

# FINAL SUPPLEMENTAL ENVIRONMENTAL IMPACT STATEMENT FOR THE CROTON WATER TREATMENT PLANT AT THE MOSHOLU SITE

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## **6.13. HAZARDOUS MATERIALS**

### **6.13.1. Introduction**

This section evaluates whether the construction and operation of the proposed Croton Water Treatment Plant (Croton project) at the Mosholu Site could lead to increased exposure of people or the environment to hazardous materials. This section identifies and assesses the potential presence of hazardous materials on the Mosholu Site or those used off-site at neighboring facilities, which could migrate and ultimately affect the water treatment plant site. The methodology used to prepare this analysis is presented in Section 4.13, Data Collection and Impact Methodologies, Hazardous Materials.

### **6.13.2. Baseline Conditions**

#### ***6.13.2.1. Existing Conditions***

Possible hazardous material issues relating to the water treatment plant site and a one-mile study area have been addressed in this section. They include activities that may have occurred at the water treatment plant site and caused the release of hazardous materials or wastes to the environment thereby creating residues that may be exposed during the construction of the proposed project. The analysis also include activities that may have occurred on properties near the water treatment plant site and potentially caused the release of hazardous materials or wastes to the environment, which could have subsequently migrated towards the water treatment plant site creating residues (e.g., groundwater) that may be exposed. Petroleum-related materials that are introduced to facilities during the construction phase (e.g., fuels, lubricants) are also included as well as hazardous materials introduced during the operation of the proposed project (e.g., water treatment processing chemicals).

Hazardous materials and chemicals in the vicinity of the water treatment plant site were identified using five methods described in the Section 4.13, Data Collection and Impact Methodologies, Hazardous Materials. First, the property history of the water treatment plant site and surrounding area (one mile from the property line) were reviewed using available historical mapping material. Second, a records search was conducted with Federal, State and Local agencies to identify hazardous materials issues over a broad study area that included the water treatment plant site and properties within at least one mile of the water treatment plant site. Third, the water treatment plant site was visually inspected. Fourth, sampling and analysis was undertaken to characterize soil and groundwater quality at the Mosholu Site. Fifth, all of this data was compiled along with information relevant to the proposed construction (e.g., groundwater dewatering) to determine the potential for soil and/or groundwater contamination being disturbed during the construction or operation of the proposed plant and assist in the compilation of the Construction Contamination Management Plan.

##### ***6.13.2.1.1. Property History***

***Sanborn Maps.*** To assess existing conditions on and near the water treatment plant site, Sanborn maps were obtained from Sanborn Mapping and Geological Information Service. The Sanborn maps are used by the insurance industry to list properties for emergency or claims

purposes. As a result, the maps identify properties (e.g., company name, generic title such as filling station, etc.), but generally do not provide detail on the nature of operations that were performed at that location. Nonetheless, since these maps go back as far as the early 1900s for older, more established communities, they were useful for identifying potential hazardous material sites, particularly prior to the era of current environmental regulations (i.e., pre-1970).

Sanborn maps dated 1900, 1914, 1950, and 1978 were reviewed to identify potential hazardous materials sources that could impact the water treatment plant site. As depicted on the Sanborn maps, the water treatment plant site is located in Van Cortlandt Park (Park). Similar to current conditions (see Section 6.2, Land Use, Zoning, and Public Policy, for a detailed description of the existing conditions of the water treatment plant site and study area), the maps show the park is very large (1,146 acres), extends to the west and north of the water treatment plant site, and shows no signs of commercial or industrial development during the past one hundred years. The Woodlawn Cemetery, to the north and east of the water treatment plant site, has also been present on the Sanborn maps since 1900. Combined, the park and the cemetery make up nearly half of the one-mile area surrounding the water treatment plant site. Because activities in the Park or the cemetery could potentially have involved the significant use or storage of hazardous materials (such as formaldehyde, selenium, arsenic, and pesticides), both would be considered possible sources of environmental contaminants that could impact the water treatment plant site. The only structures in the park noted on the series of Sanborn maps reviewed included the New and Old Croton Aqueducts (1900) and the club and stables for the Squadron 7, 1<sup>st</sup> Cavalry, NGNY (1914).

During the 1900s, Van Cortlandt Park and Woodlawn Cemetery remained virtually unchanged from the profile seen on the 1900 Sanborn map although neighborhoods within one-mile of the water treatment plant site probably became more densely populated. The area to the south of the study area was densely developed, including numerous residential structures (single and multi-family dwellings), some institutional facilities (e.g., hospitals, nursing homes), commercial buildings, and related utilities (e.g., subway, reservoir, pumping station). Several transportation related changes occurred after the 1950 Sanborn map when several local streets north (Mosholu Avenue) and west (Gun Hill Road) of the water treatment plant site were partially terminated and removed presumably to accommodate the newly constructed Major Deegan Expressway (Expressway) (I-87). At its closest point, the Major Deegan Expressway is approximately 2,000 ft. west of the center of the proposed water treatment plant site and hydrogeologically upgradient. Contaminants disturbed during the construction of the highway could have potentially migrated toward the site but since the expressway was constructed nearly 50 years ago, it is likely that the concentration levels of any contaminants would have naturally attenuated (e.g., degraded, dispersed, diluted) over this length of time.

The Mosholu Golf Course, which is in Van Cortlandt Park and was built in 1914, also contains an adjacent driving range, which is the site of the proposed water treatment plant. It is likely that the original site topography was modified by excavation, grading, and backfill to contour and landscape the golf course. Earth moving and grading activities to construct the golf course may have also created a small wetland area adjacent to the northwest edge of the site and another wetland located to the northeast. It is unlikely that the construction to build the golf course caused the release or disturbance of hazardous materials in the area, given that before the golf course was built the site was a park.

From 1900 to 1950, the Sanborn maps depict a small stream that presumably flowed westward from the water treatment plant site to the southern end of Van Cortlandt Lake. After 1950, the eastern half of the stream was filled in apparently to accommodate construction of the Mosholu Parkway extension. Like the Major Deegan Expressway, the former stream in Van Cortlandt Park is hydrogeologically upgradient of the site. It is very possible that this earthwork occurred in the mid-1950s at the time the Major Deegan Expressway was built and because of the time since the stream was filled in along with its distance to the site (> 2,000 ft.), it is likely that any waterborne contaminants, if present have naturally attenuated and probably did not affect the presence or migration of hazardous materials that could impact the water treatment plant site.

Based on available reference sources (e.g., Sanborn maps, environmentally regulated sites), there is no evidence to suggest that pesticides were extensively used in the area and have impacted the soil and groundwater at the site. Practically speaking, chemicals such as pesticides, herbicides, fungicides, and fertilizers have been commonly used on golf courses. Since the banning of DDT (mid-1960s), many chemicals used on golf courses degrade very rapidly (e.g., organophosphorus pesticides). In addition, realizing the park is (and has been) a very popular recreational area, it is highly unlikely that there would have been a massive release of a chemical (e.g., pesticide spill) without a significant response action. Based on the land use characteristics, there is no evidence to suggest that the site would contain significant pesticide levels. Finally, the groundwater samples collected in December 1999 were tested for pesticides (Method EPA 608). No pesticides were present above the method detection limits in the four groundwater samples tested. As a result, it is unlikely that the overlying soil is contaminated with pesticides.

Otherwise, there are no significant historic land uses either on or near the water treatment plant site that are likely to have resulted in the release of hazardous materials to the environment that could now affect the water treatment plant site. Notwithstanding events on or near the water treatment plant site noted above such as the construction of the Mosholu Golf Course and the transportation related projects, all of the neighborhoods adjacent to the water treatment plant site (i.e., primarily to the south) have been occupied for many years. As such, it is reasonable to assume that random incidents of hazardous materials releases (e.g., petroleum hydrocarbon fuels from leaking tanks, spills) have occurred and have affected the local environment.

**Zoning.** The water treatment plant site is entirely within a public park owned by New York City and under the jurisdiction of the New York City Department of Parks and Recreation (NYCDPR), and thereby not governed by the New York City Zoning Resolution. The remainder of the one-mile radius study area (i.e., non-parkland) contains two types of residential zones, one manufacturing zone, three types of commercial zones, and a special district. The hazardous materials characteristics described herein are consistent these zoning restrictions.

#### ***6.13.2.1.2. Records Search***

The records search focused on an area radiating one-mile from the water treatment plant site, and involved contacting the United States Environmental Protection Agency (USEPA), the New York State Department of Environmental Conservation (NYSDEC), and the Emergency Response Unit of the NYCDEP in both 1998 and 2003. These searches were conducted to

evaluate past and present activities involving hazardous materials on the site and its environs, as described in Section 4.13, Data Collection and Impact Methodologies, Hazardous Materials.

The purpose of the environmental database review was to identify incident locations or facilities where hazardous materials may be present and are either known to have been released to the environment (e.g., spills, tank leaks) or may be sources of future releases. Although the water treatment plant site is located in a relatively urban setting, the search of environmental databases was expanded to one-mile from the center of the water treatment plant site to account for the large amount of parkland and cemetery surrounding the water treatment plant site.

Over 850 environmentally regulated sites were identified within one-mile of the water treatment plant site. A majority of these sites are located in areas, which are south of the water treatment plant site particularly along the Jerome Avenue corridor. The groundwater gradient at the water treatment plant site mimics the topography and generally runs west to east; therefore, a majority of the environmentally regulated sites are side gradient to the groundwater flow at the water treatment plant site. A point immediately north or south of the plant site would be side gradient. As contaminants are transported by groundwater flow, the highest concentration gradient would be in the center of the contaminant plume but some chemicals, particularly those that are highly soluble in water may disperse laterally (i.e. side gradient) but would be diluted. Therefore, hazardous material releases from regulated sites to the south of the water treatment plant site would not be anticipated to migrate to the north and cause potentially significant impacts to current or future activities at the water treatment plant site.

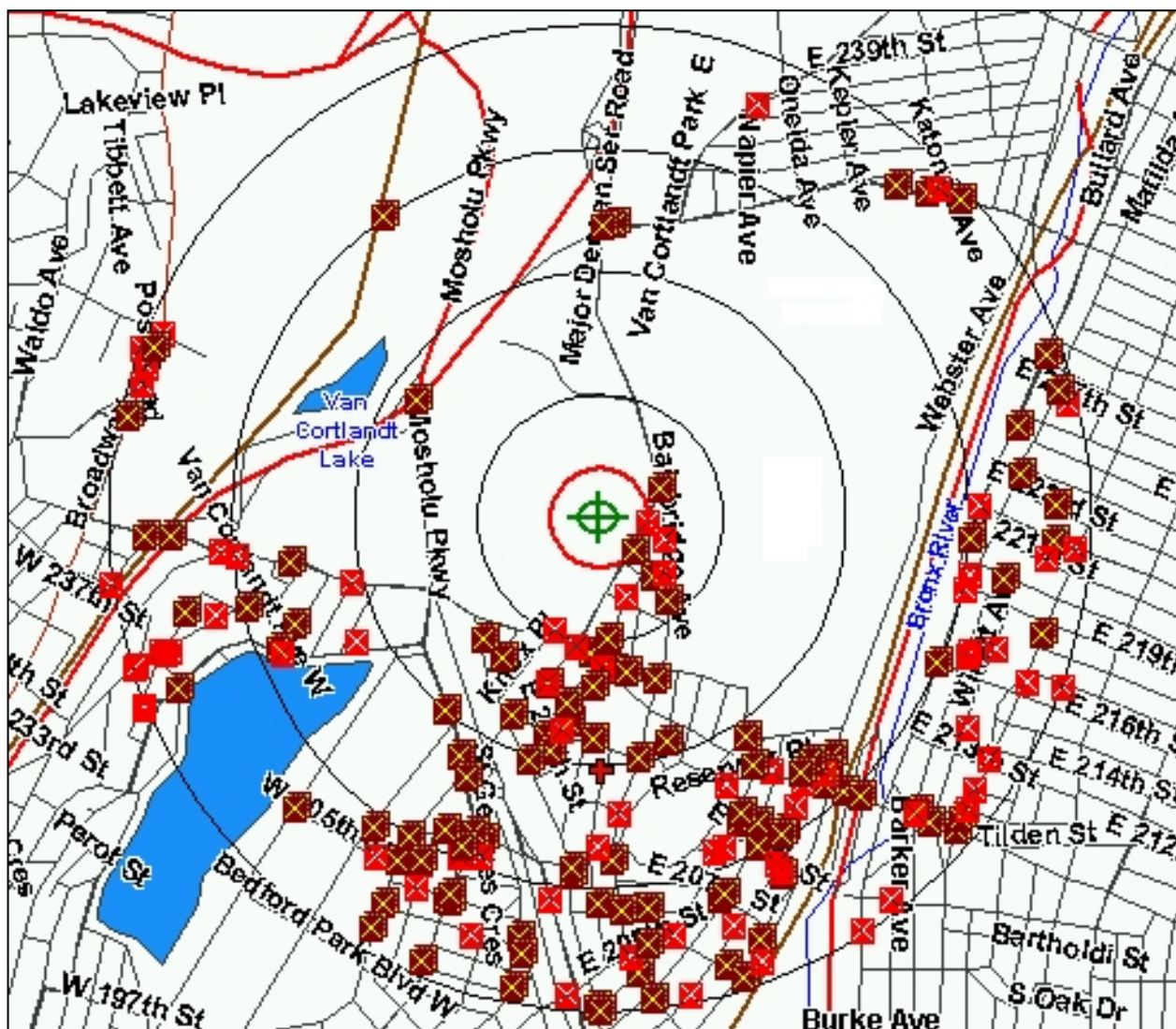
Some hazardous materials sites, particularly those impacted by spills or tank leaks to the west of the water treatment plant site (partially upgradient), may contain hazardous materials that could migrate vertically through the soil to the groundwater and be transported toward the water treatment plant site. Most of these spill sites have been remediated and the regulatory documentation files have been closed accordingly. For the sites that are still active or for sites where residues of past releases remain in the environment, construction activities involving groundwater pumping (i.e., dewatering) may create hydraulic gradients essentially drawing residual contaminants toward the water treatment plant site.

A summary of the number of sites identified from the review by regulatory program (i.e., database type) is presented in Table 6.13-1. The results are divided into two groups: (1) sites where hazardous material releases are known or suspected to have occurred, and (2) sites where hazardous materials or wastes were handled and could potentially have been released to the environment. The number of environmentally regulated sites is sorted by distance and direction from the water treatment plant site. Sites that had incomplete or incorrect addresses and whose locations could not be specifically plotted (i.e., geocoded) are listed in the unknown distance column.

**TABLE 6.13-1. SUMMARY OF THE NUMBER OF ENVIRONMENTALLY REGULATED SITES WITHIN ONE MILE OF THE MOSHOLU SITE**

Database	Distance from the Water Treatment Plant Site (mile)						TOTAL
	Onsite	<1/8	1/8-1/4	1/4-1/2	>1/2	Unknown	
Sites Where Known or Suspected Releases to the Environment Have Occurred							
NPL (Superfund) Sites	0	0	0	0	0	0	0
Spills (from leaking tanks)							
- After 1990	0(0)	2(1)	13(0)	24(3)	196 (18)	35(0)	270(22)
- 1980 through 1989	0(0)	0(0)	0(0)	4(1)	16 (10)	0	23(11)
RCRA Corrective Action Sites	0	0	0	0	0	0	1
NYSDEC Sites (hazardous waste)	0	0	0	0	0	0	0
Emergency Response Sites (ERNS)	0	0	0	3	5	2	10
Toxic Release Inventory Sites (TRIS)	0	0	0	0	0	0	0
Release Sites (air/water)	0	0	0	3	7	3	13
Sites Where Hazardous Materials or Wastes Have Been Stored (i.e., Potential Environmental Release Sites)							
RCRA: TSD & Generators	0	0	0	6	28	2	36
No Longer Regulated	0	0	0	6	20	1	27
Regulated USTs & ASTs	0	1	19	89	342	2	453
NYSDEC Sites	0	0	0	0	0	0	0
CERCLIS Sites	0	0	0	0	0	0	0
Solid Waste Landfills and Transfer Stations	0	0	0	0	0	5	5
FINDS Sites	0	0	0	2	4	2	8
Nuclear Permits	0	0	0	0	0	0	0

Figures 6.13-1 and 6.13-2 illustrate the distribution of sites where hazardous material releases (e.g., spills, leaks) are known or suspected to have occurred within one mile and one-half mile of the water treatment plant site, respectively. Figures 6.13-3 and 6.13-4 depict other environmentally regulated sites within one-mile and one-half mile, respectively, where hazardous materials are reported to have been used or stored but for which there are no records of known or suspected releases.

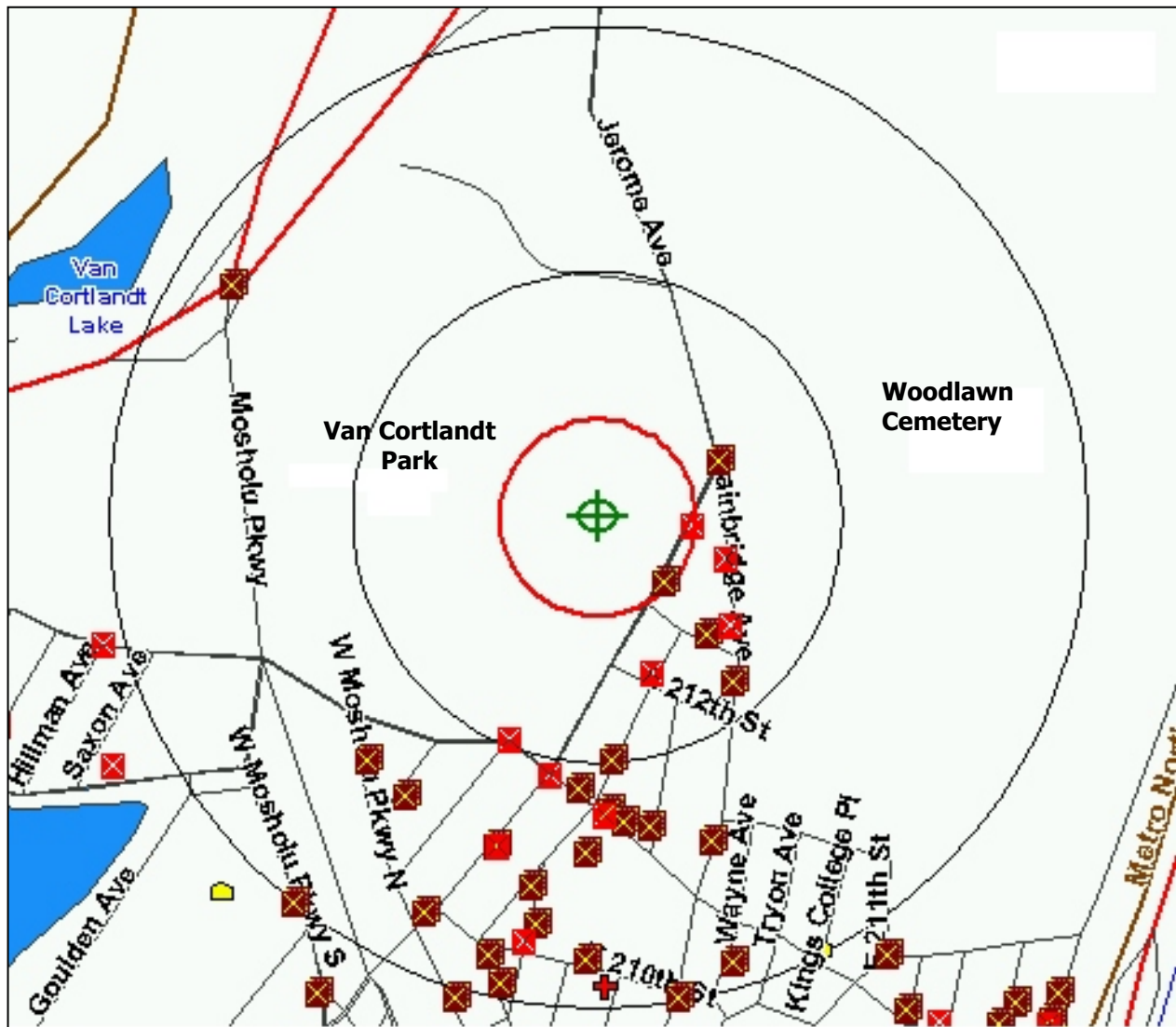


Not To Scale



Note: Does not include 48 sites which were not geo-coded because of incomplete address

## Sites of Known or Suspected Hazardous Material Releases One Mile Radius Mosholu Site

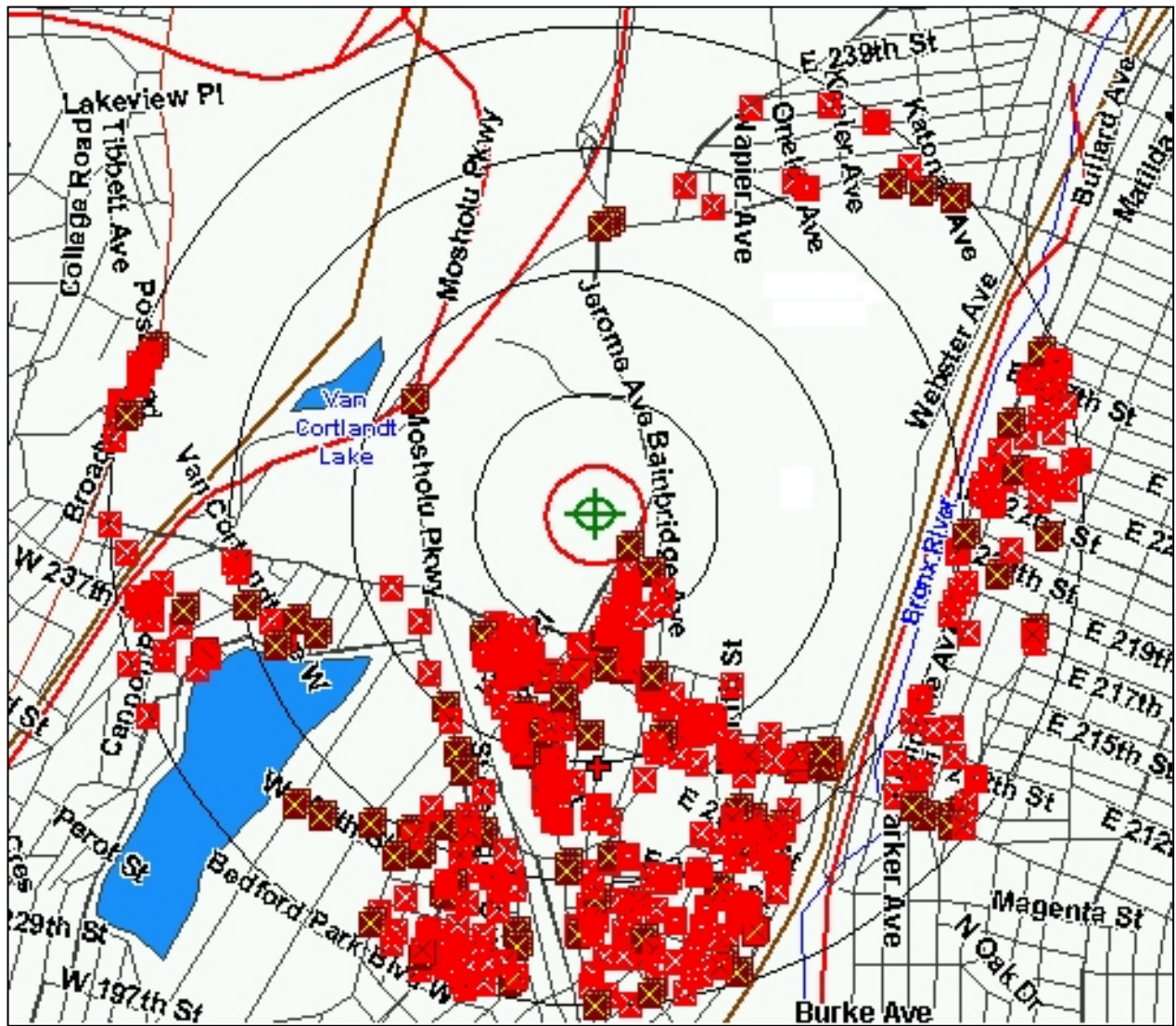


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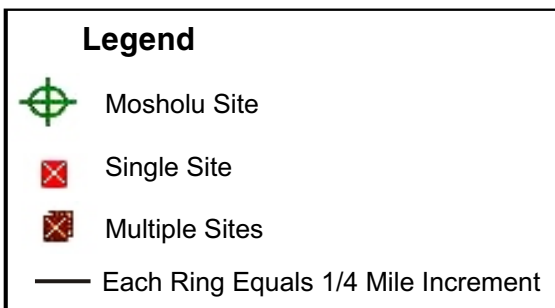


## Sites of Known or Suspected Hazardous Material Releases One-Half Mile Radius Mosholu Site





Not To Scale

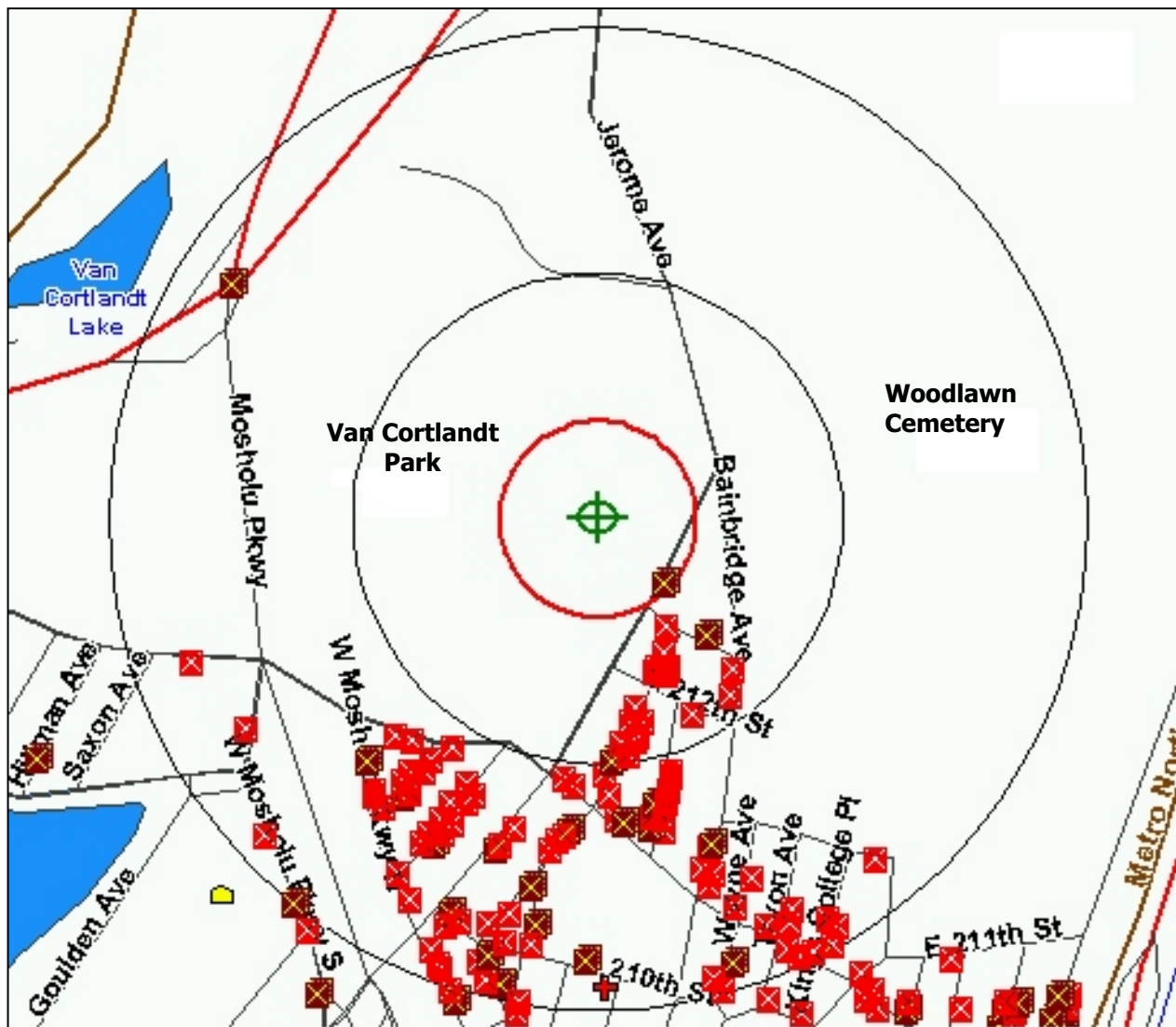


Note: Does not include 11 sites which were not geo-coded because of incomplete address

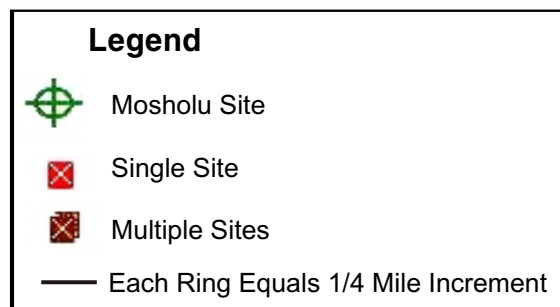
## Environmentally Regulated Sites One Mile Radius Mosholu Site

Croton Water Treatment Plant

Figure 6.13-3



Not To Scale



## Environmentally Regulated Sites One-Half Mile Radius Mosholu Site

The information contained in these databases originates from a wide variety of sources such as permits, inspections, and incident reports. As a result, if a site is listed in multiple databases there may be variations in the site's name or address. The data presented represents the information as it was derived from the original database sources without significant alteration or correction. Slight modifications have been performed to the addresses for sites that are listed on multiple databases so that the resulting geo-coding would derive consistent distances from the water treatment plant site.

The following identifies individual sites in proximity to the water treatment plant site by the applicable environmental regulatory programs (e.g., spills, tanks, Resource Conservation and Recovery Act (RCRA) hazardous waste). The site/incident reports that were reviewed to identify the listed sites are provided in Appendix E. The site/incident identification number (ID#) listed in the following corresponds to the site detail report search identification numbers in the Appendix.

### ***Sites Where Known or Suspected Releases to the Environment Have Occurred.***

National Priority List (Superfund) Sites. A search was conducted of the National Priority List (NPL), also known as the Superfund list, to identify uncontrolled or abandoned hazardous waste sites in areas that are targeted for possible long-term action under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). The water treatment plant site does not appear on the current NPL, also known as the USEPA Superfund list of controlled hazardous waste sites. There are no Superfund sites within one-mile of the water treatment plant site.

Hazardous Materials Spill Sites. The database of spills identifies incidents that have resulted in the release of hazardous materials. The database includes both tank test failures (i.e., tanks that failed tightness testing) and known tank failures (i.e., leaking tanks in the ground or tanks noted to be leaking upon removal). The list of tank test failures includes tanks that are located only below ground (underground storage tanks), whereas the list of tank failures includes both tanks that are either below or above ground. The database also lists spills that have occurred during the transportation of chemicals. The spill statistics are grouped by incidents that occurred after 1990 and spills that occurred between 1980 and 1989. There have been 293 reported hazardous materials spills within one mile of the water treatment plant site during the past 20 years.

Table 6.13-2 identifies environmentally regulated sites within one-mile of the water treatment plant site where hazardous material spills or releases and leaks from storage tanks are known or suspected to have occurred. A majority of the spills reported in the 1990s (73 percent) occurred beyond one-half mile from the water treatment plant site. Based on an evaluation of the 293 reported spill incidents, Table 6.13-3 summarizes the characteristics of selected significant spills or releases that could have potentially affected the environment (e.g., soil, groundwater) surrounding each spill site.

**TABLE 6.13-2. HAZARDOUS MATERIALS SPILL SITES (REPORTED SPILLS INCLUDING LEAKING STORAGE TANKS)**

ID #	Site	Address		Distance (miles)	Regulatory ID/ Status	Leaking Tank ID #
Spills Occurring in 1990 and After						
135	3660 Jerome Ave	3660 Jerome Ave	Bronx NY 10467	0.10 SE	9502008/Closed	N/A
188	Fegs Incorporated	3600 Jerome Ave	Bronx NY 10467	0.10 SE	9709782/Closed	796
166	An Excavation Site	Jerome Ave & Bainbridge Ave	Bronx NY 10467	0.14 NE	9908566/Active	N/A
207	Manhole 139	Jerome Ave/Bainbridge Ave	Bronx NY 10467	0.14 NE	9908129/Active	N/A
212	Manhole 141	Jerome Ave/Bainbridge Ave	Bronx NY 10467	0.14 NE	9910971/Active	N/A
217	Manhole 139	Bainbridge Ave & Jerome	Bronx NY 10467	0.14 NE	9910207/Active	N/A
836	Manhole 138	Bainbridge Ave 510 Ft N	Bronx NY 10467	0.14 SE	9905027/Active	N/A
78	1925 East 213th Street	1925 East 213th Street	Bronx NY 10467	0.16 SE	9610638/Closed	N/A
127	3567-69 Dekalb Ave	3567-69 Dekalb Ave	Bronx NY 10467	0.17 SE	9711891/Closed	N/A
216	Manhole 137	3605 Bainbridge Ave	Bronx NY 10467	0.18 SE	9909220/Active	N/A
124	35-95 Bainbridge Ave	35-95 Bainbridge Ave	Bronx NY 10467	0.22 SE	9402178/Closed	N/A
128	3595 Bainbridge Ave	3595 Bainbridge Ave	Bronx NY 10467	0.22 SE	9112611/Closed	N/A
129	3595 Bainbridge Ave.	3595 Bainbridge Ave.	Bronx NY 10467	0.22 SE	9206868/Closed	N/A
225	Manhole 265	Knox Pl & Gun Hill Rd	Bronx NY 10467	0.24 SW	0101490/Closed	N/A
173	Apt. Building	3521 Dekalb Avenue	Bronx NY 10467	0.25 SE	9412603/Closed	N/A
214	Manhole #Tm1440	Gun Hill Rd/Jerome Ave	Bronx NY 10467	0.27 SW	9904164/Active	N/A
84	25 East Gun Hill Rd	25 East Gun Hill Rd	Bronx NY 10467	0.28 SW	9314258/Active	N/A
85	25 Gun Hill Assoc	25 East Gun Hill Rd	Bronx NY 10467	0.28 SW	9808852/Active	N/A
224	Manhole 23990	Steuben Ave/Gun Hill Rd	Bronx NY 10467	0.30 SE	0008268/Active	N/A
222	Manhole 15384	Ifo 65 East Gun Hill Rd	Bronx NY 10467	0.31 SE	0005160/Active	N/A
289		3505 Vanrochambeau Ave	Bronx NY 10467	0.32 SE	0102262/Active	N/A
163	75 W. Mosholu Pkwy.	75 W. Mosholu Pkwy.	Bronx NY 10467	0.34 SW	9211065/Active	N/A
293		3540 Dekalb Ave	Bronx NY 10467	0.34 SW	9811803/Closed	808
215	Manhole 135	Inf/o 3563 Bainbridge Ave	Bronx NY 10467	0.35 SE	9911013/Active	N/A
115	3418 Gates Place	3418 Gates Place	Bronx NY 10467	0.35 SW	9507304/Closed	N/A
267	Tm-2378	Inf/o 3450 Jerome Ave	Bronx NY 10467	0.35 SW	0102422/Active	N/A
296		3448 Jerome Ave	Bronx NY 10467	0.35 SW	9714210/Closed	N/A

**TABLE 6.13-2. HAZARDOUS MATERIALS SPILL SITES (REPORTED SPILLS INCLUDING LEAKING STORAGE TANKS)**

<b>ID #</b>	<b>Site</b>	<b>Address</b>		<b>Distance (miles)</b>	<b>Regulatory ID/ Status</b>	<b>Leaking Tank ID #</b>
241	Mosholu Montefiore Ctr	3450 Dekalb Ave	Bronx NY 10467	0.38 SW	9703759/Active	<b>803</b>
116	3424 Kossuth Ave	3424 Kossuth Ave	Bronx NY 10467	0.42 SW	9212821/Closed	N/A
200	Light Pole	3485 Jerome Ave	Bronx NY 10467	0.44 SW	0107687/Closed	N/A
122	35 East 208th St/Bx	35 East 208th Street	Bronx NY 10467	0.46 SW	9008345/Closed	N/A
119	3450 Wayne Ave	3450 Wayne Ave	Bronx NY 10467	0.47 SE	8910854/Active	<b>789</b>
157	55 East 208th Street	55 East 208th St	Bronx NY 10467	0.49 SW	9413296/Active	N/A
210	Manhole 132	Bainbridge Ave & E 210th St	Bronx NY 10467	0.50 SE	9908070/Active	N/A
259	Roadway 210th St	Intersection Bainbridge	Bronx NY 10467	0.50 SE	9903122/Active	N/A
266	Tm 276	E 210th/Brainbridge Ave	Bronx NY 10467	0.50 SE	9914813/Closed	N/A
151	40 W Mosholu Pkwy/Bx	40 West Mosholu Parkway	Bronx NY 10467	0.50 SW	9005899/Active	N/A
152	40 West Mosholu Pkwy	40 West Mosholu Pkwy	Bronx NY 10467	0.50 SW	9207685/Closed	N/A
270	Tracy Towers	40 West Mosholu Pkwy South	Bronx NY 10468	0.50 SW	9805355/Active	N/A
283		55 East Mosholu St	Bronx NY 10467	0.51 SW	9811488/Closed	N/A
280		Hillman Av/Van Cortlandt	Bronx NY 10463	0.52 SW	0100203/Closed	N/A
250	Putnam St	East 211 St	Bronx NY 10467	0.54 SE	0001898/Active	N/A
172	Apt House	20-40 W Mosholu Pkwy	Bronx NY 10468	0.56 SW	9805344/Active	N/A
228	Manhole 29103	Sedgwick Ave/Saxon Ave	Bronx NY 10463	0.56 SW	0105690/Closed	N/A
81	233 Major Deegan Expwy	233 Major Deegan Expwy	Bronx NY 10471	0.59 NE	9409277/Active	N/A
82	233rd St/Major Deegan/Bx	233rd St/Major Deegan	Bronx NY 10471	0.59 NE	9003475/Closed	N/A
202	Major Deegan Expwy/Mobile	Major Deegan Expwy/Nthbd	Bronx NY 10471	0.59 NE	9008538/Closed	<b>797</b>
203	Major Deegan Expwy	E233 St/Major Deegan Exp	Bronx NY 10471	0.59 NE	9812977/Active	N/A
205	Major Deegan/Bx/Mobil	Major Deegan/Bx	Bronx NY 10471	0.59 NE	9007676/Closed	N/A
211	Manhole 134	Jerome Ave & 233rd St	Bronx NY 10471	0.59 NE	9908141/Active	N/A
213	Manhole 148	E 233th St & Major Deegan	Bronx NY 10471	0.59 NE	9908199/Active	N/A
218	Manhole 144	Jerome Ave/E 233 St	Bronx NY 10471	0.59 NE	9809630/Active	N/A
219	Manhole 146	Jerome Ave/E 233 St	Bronx NY 10471	0.59 NE	9908177/Active	N/A
220	Manhole 146	E 233 St & Jerome Av	Bronx NY 10471	0.59 NE	9910226/Active	N/A
221	Manhole 148	Major Deegan & E 233rd St	Bronx NY 10471	0.59 NE	9908784/Active	N/A
238	Mobil Station	70 Major Deegan Expressway	Bronx NY 10471	0.59 NE	9701161/Active	N/A
240	Mobil/70 Major Deegan No	70 Major Deegan No.	Bronx NY 10471	0.59 NE	8909669/Active	<b>802</b>

**TABLE 6.13-2. HAZARDOUS MATERIALS SPILL SITES (REPORTED SPILLS INCLUDING LEAKING STORAGE TANKS)**

ID #	Site	Address		Distance (miles)	Regulatory ID/ Status	Leaking Tank ID #
857	Deegan Expwy N.B. Mobile	Deegan Expwy N.B. Mobile	Bronx NY 10468	0.59 NE	9112371/Closed	N/A
287		3505 Perry Av	Bronx NY 10467	0.59 SE	0012828/Active	806
164	Amoco Station 169	3276 Jerome Av	Bronx NY 10468	0.59 SW	9805217/Active	N/A
165	Amoco Station 169	3276 Jerome Ave	Bronx NY 10468	0.59 SW	0103668/Active	N/A
75	1 East 233rd St/Bx	1 East 233rd St	Bronx NY 10470	0.60 NE	9012022/Closed	N/A
86	280 Reservoir Place	280 Reservoir Pl	Bronx NY 10467	0.60 SE	9502963/Closed	N/A
206	Manhole 131	Bainbridge Ave/208th St	Bronx NY 10467	0.60 SE	9908170/Active	N/A
101	323 E Gun Hill Rd	323 E Gun Hill Rd	Bronx NY 10467	0.62 SE	9112421/Active	N/A
281		107 Van Cortlandt Park	Bronx NY 10471	0.64 SW	9809530/Active	809
285		3540 Decatur Av	Bronx NY 10467	0.65 SE	9904715/Active	N/A
149	3971 Gouvernour Ave	3971 Gouvernour Ave	Bronx NY 10463	0.65 SW	9702031/Closed	N/A
256	Residence	3971 Gouvenour Ave	Bronx NY 10463	0.65 SW	9802811/Closed	N/A
286		3505 Decatur Ave	Bronx NY 10467	0.66 SE	0107076/Closed	N/A
243	Mosholu Nursing Home	3356 Perry Ave	Bronx NY 10467	0.67 SE	8800357/Closed	804
292		271 Van Cortlandt Ave	Bronx NY 10467	0.67 SW	9808459/Active	N/A
107	3318 Perry Ave.	3318 Perry Ave.	Bronx NY 10467	0.68 SE	9214119/Closed	N/A
123	35-47 Webster Ave	35-47 Webster Ave	Bronx NY 10467	0.68 SE	9315518/Closed	N/A
268	Tm264	Decatur Ave/Gun Hill Rd	Bronx NY 10467	0.68 SE	9904577/Active	N/A
125	3515 Webster Ave.	3515 Webster Ave.	Bronx NY 10467	0.69 SE	9111591/Closed	N/A
126	Exxon	3515 Webster Ave	Bronx NY 10467	0.69 SE	9003015/Closed	N/A
186	Exxon Service Station	3515 Webster Ave	Bronx NY 10467	0.69 SE	9416500/Closed	N/A
258	Roadway	3509 Webster Ave	Bronx NY 10467	0.69 SE	9707382/Closed	N/A
97	3224 Grand Concourse	3224 Grand Concourse	Bronx NY 10458	0.69 SW	9512270/Active	N/A
98	3224 Grand Concourse	3224 Grand Concourse	Bronx NY 10458	0.69 SW	9701850/Active	N/A
99	3225 Bainbridge Ave	3225 Bainbridge Ave	Bronx NY 10467	0.70 SE	9706917/Closed	N/A
110	3349 Hull Ave	3349 Hull Ave	Bronx NY 10467	0.70 SE	9800973/Active	N/A
282		Sendrick Ave/Van Cortlandt	Bronx NY 10463	0.70 SW	9809641/Active	N/A
112	3380 Decatur Ave	3380 Decatur Ave	Bronx NY 10467	0.71 SE	9416806/Active	N/A
189	Former Exxon Station	Webster Ave/Gun Hill Rd	Bronx NY 10467	0.71 SE	9702008/Active	N/A
246	On The Road	3286 Perry Ave	Bronx NY 10467	0.71 SE	9603612/Closed	N/A

**TABLE 6.13-2. HAZARDOUS MATERIALS SPILL SITES (REPORTED SPILLS INCLUDING LEAKING STORAGE TANKS)**

ID #	Site	Address		Distance (miles)	Regulatory ID/ Status	Leaking Tank ID #
155	50 Van Corlandt Ave	50 Van Corlandt Ave	Bronx NY 10463	0.71 SW	9212556/Active	791
300		19 East Van Cortlandt Ave	Bronx NY 10468	0.71 SW	9910311/Active	N/A
103	3277 Perry Ave	3277 Perry Ave	Bronx NY 10467	0.72 SE	9604879/Active	N/A
105	3312 Holl Ave/Bx	3312 Holl Ave	Bronx NY 10467	0.72 SE	9010782/Closed	N/A
106	3312 Hull Ave	3312 Hull Ave	Bronx NY 10467	0.72 SE	9106931/Closed	N/A
294		149 E Mosholu Parkway	Bronx NY 10467	0.72 SW	9808896/Active	N/A
76	1315 Merrian Ave Corp	155-165 E Mosholu Parkway	Bronx NY 10467	0.73 SW	9812036/Closed	N/A
94	Grand Concourse Ave	3201 Grand Concourse Ave	Bronx NY 10468	0.73 SW	9611012/Closed	N/A
271	Transformer Vault 660	St.Georges Crescent	Bronx NY 10458	0.73 SW	9914697/Active	N/A
297		3205 Grand Concourse	Bronx NY 10468	0.73 SW	9802762/Closed	N/A
298		3201 Grand Concourse	Bronx NY 10468	0.73 SW	0106482/Active	807
108	333-335	East 209 Street	Bronx NY 10467	0.74 SE	0010541/Active	N/A
111	3371 Decater Ave	3371 Decater Ave	Bronx NY 10467	0.74 SE	9416802/Active	N/A
244	Nidus Realty Apt.	3355 Decatur Ave	Bronx NY 10467	0.74 SE	8911290/Closed	805
146	3915 Oilott Ave/Bx	3915 Oilott Ave	Bronx NY 10463	0.74 SW	9004330/Closed	N/A
245	NYC Dept Of Parks	Van Corlandt Park	Bronx NY 10471	0.75 NW	9609235/Active	N/A
276	Van Cortlandt Park/Bx	Van Cortlandt Park	Bronx NY 10471	0.75 NW	8912161/Closed	N/A
156	525 East Gun Hill Rd/Bx	525 East Gun Hill Road	Bronx NY 10467	0.75 SE	9009664/Active	792
227	Manhole 27320	E 216th St/Bronx Blvd	Bronx NY 10467	0.75 SE	9906482/Closed	N/A
231	Manhole 7320	Bronx Blvd & 216th St	Bronx NY 10467	0.75 SE	9905022/Active	N/A
234	Manhole 27320	Bronx Blvd/E 216 St	Bronx NY 10467	0.75 SE	0010901/Closed	N/A
178	Concourse Yard	Concourse & Jerome Ave	Bronx NY 10468	0.75 SW	9912396/Closed	N/A
198		Jerome Ave/Van Cortland Park	Bronx NY 10468	0.75 SW	9510224/Closed	N/A
253	Residence	3191 Grand Concourse	Bronx NY 10468	0.75 SW	9710456/Closed	N/A
140	3780 Bronx Blvd.	3780 Bronx Blvd.	Bronx NY 10467	0.76 SE	9401873/Closed	N/A
170	Apt Complex	3856 Bronx Blvd	Bronx NY 10467	0.76 SE	9601416/Closed	N/A
247	Parkside Development	3856 Bronx Blvd	Bronx NY 10467	0.76 SE	9601419/Closed	N/A
226	Manhole 27319	Bronx Blvd & E 222 St	Bronx NY 10467	0.77 NE	9906476/Closed	N/A
195	In Roadway	Ifo 3845 Carpenter Ave	Bronx NY 10467	0.77 SE	0013551/Closed	N/A
277		Van Cordlandt Park/240th St	Bronx NY 10463	0.77 SW	9103129/Closed	N/A



**TABLE 6.13-2. HAZARDOUS MATERIALS SPILL SITES (REPORTED SPILLS INCLUDING LEAKING STORAGE TANKS)**

<b>ID #</b>	<b>Site</b>	<b>Address</b>		<b>Distance (miles)</b>	<b>Regulatory ID/ Status</b>	<b>Leaking Tank ID #</b>
177	Bronx River Pkwy	Bronx River Pkwy-Gun Hill	Bronx NY 10467	0.78 SE	9410243/Active	N/A
193	Gunn Hill Road And	Bronx River Pkwy North	Bronx NY 10467	0.78 SE	9807456/Closed	N/A
113	3400 Paul Ave.	3400 Paul Ave.	Bronx NY 10468	0.78 SW	9208818/Closed	<b>788</b>
242	Mosholu Parkway &	206th St	Bronx NY 10458	0.78 SW	0009145/Closed	N/A
299		3175-3177 Villa Ave	Bronx NY 10468	0.78 SW	0009340/Active	N/A
182	Decatur Ave	East 209th St	Bronx NY 10467	0.79 SE	9704877/Closed	N/A
93	3171 Villa Ave	3171 Villa Ave	Bronx NY 10468	0.79 SW	9600860/Closed	N/A
251	Realty Group	3182 Rochambeau Ave	Bronx NY 10467	0.79 SW	9603625/Closed	N/A
91	315 East 206th St/Bx	315 East 206th St	Bronx NY 10467	0.80 SE	9008108/Closed	N/A
92	315 East 206th St	315 East 206th St	Bronx NY 10467	0.80 SE	9309531/Closed	N/A
137	3708 Olinuile Ave	3708 Olinuile Ave	Bronx NY 10467	0.80 SE	9408784/Closed	N/A
260	Rose Smith Residence	3720 Olinville Ave	Bronx NY 10467	0.80 SE	9801172/Active	N/A
290		206 Th St/Bainbridge Ave	Bronx NY 10467	0.80 SE	0105141/Active	N/A
145	3883 Cannon Place	3883 Cannon Pl	Bronx NY 10463	0.80 SW	9509614/Closed	N/A
96	3217 Hull Ave	3217 Hull Ave	Bronx NY 10467	0.81 SE	9403072/Closed	N/A
102	3235 Hull Ave	3235 Hull Ave	Bronx NY 10467	0.81 SE	0107749/Closed	N/A
136	369 E 209th St	369 E 209th St	Bronx NY 10467	0.81 SE	9106333/Closed	N/A
95	3201 Jerome Ave	3201 Jerome Ave	Bronx NY 10468	0.81 SW	9605089/Active	N/A
197	Jerome Ave Pipeyard	3201 Jerome Ave	Bronx NY 10468	0.81 SW	9602395/Active	N/A
199	Jerome Pumping Station	3201 Jerome Ave	Bronx NY 10468	0.81 SW	0006086/Closed	N/A
133	364 East 209 St	364 East 209 St	Bronx NY 10467	0.82 SE	9512481/Closed	N/A
134	364 East 209th Street	364 East 209th St	Bronx NY 10467	0.82 SE	9315216/Active	N/A
180	Concourse Yard	W 205 St/Jerome & Paul Ave	Bronx NY 10468	0.82 SW	9514239/Active	N/A
269	Track C-1	205th St - D-Line	Bronx NY 10468	0.82 SW	0003880/Active	N/A
158	624 E. 220th St	624 E. 220th St	Bronx NY 10467	0.83 SE	9402809/Closed	N/A
167	Apartment At	3130 Grand Concourse	Bronx NY 10458	0.84 SW	9803436/Active	N/A
138	3740 Willet Ave	3740 Willet Ave	Bronx NY 10467	0.85 SE	9601417/Closed	N/A
147	3940 Reality	3940 Carpenter Ave	Bronx NY 10466	0.86 NE	0104637/Closed	N/A
148	3940 Reality	3940 Carpenter Ave	Bronx NY 10466	0.86 NE	0106040/Active	N/A
130	36-32 Willett Ave/Bx	36-32 Willett Ave	Bronx NY 10467	0.86 SE	9001355/Closed	N/A



**TABLE 6.13-2. HAZARDOUS MATERIALS SPILL SITES (REPORTED SPILLS INCLUDING LEAKING STORAGE TANKS)**

ID #	Site	Address		Distance (miles)	Regulatory ID/ Status	Leaking Tank ID #
288		3188 Perry Ave	Bronx NY 10467	0.86 SE	0101576/Active	N/A
143	3855 Orloff Ave	3855 Orloff Ave	Bronx NY 10463	0.86 SW	9708103/Closed	N/A
184	East 205 St & Gulden St	East 205 St & Gulden St	Bronx NY 10468	0.86 SW	9410995/Closed	N/A
191	Golden Ave \$ E 205th St	Golden Ave & E 205th St	Bronx NY 10468	0.86 SW	9708284/Closed	N/A
279	Vault 0318	Gulden Ave/205th St	Bronx NY 10468	0.86 SW	9909879/Active	N/A
150	3990 Bronx Blvd	3990 Bronx Blvd	Bronx NY 10466	0.87 NE	9602940/Closed	N/A
169	Apt Building	3990 Bronx Blvd	Bronx NY 10466	0.87 NE	9904138/Active	N/A
301		3990 Bronx Blvd	Bronx NY 10466	0.87 NE	9911320/Closed	N/A
255	Residence	3209 Decatur Ave	Bronx NY 10467	0.87 SE	9912506/Closed	N/A
77	190 E. Mosholu Pkwy S.	190 East Mosholu Pkwy. S.	Bronx NY 10458	0.87 SW	9416012/Closed	N/A
161	71 Mjr Deegan Expwy N/Bx	71 Major Deegan Expwy N	Bronx NY 10463	0.87 SW	9103104/Closed	794
168	Apt Building	190 Mosholu Parkway S.	Bronx NY 10458	0.87 SW	9811959/Closed	N/A
201	Maj Deegan Expressway	N. Bound Van Cortland Pk	Bronx NY 10463	0.87 SW	9413210/Closed	N/A
204	Maj Deegan So/Van Cortlandt	Major Deegan S/Van Cortlandt	Bronx NY 10463	0.87 SW	9008081/Closed	798
159	641 East Gun Hill Rd	641 East Gun Hill Rd	Bronx NY 10467	0.88 SE	9305154/Closed	N/A
185	Exxon 37863	641 East Gun Hill Rd	Bronx NY 10467	0.88 SE	9511031/Active	795
264	Tm 1858	Gun Hill Rd / Olinville Ave	Bronx NY 10467	0.88 SE	9906440/Active	N/A
87	281 E 204th St	281 E 204th St	Bronx NY 10467	0.89 SE	9514225/Closed	N/A
83	234 East 204th St	234 East 204th St	Bronx NY 10458	0.89 SW	9403216/Closed	N/A
154	4320 Van Cortlandt Pk E	4320 Van Cortlandt Pk E	NY, NY 10470	0.90 NE	9102198/Closed	N/A
79	204th St & Jerome/NYCTA	204th St / Jerome	Bronx NY 10468	0.90 SW	9105811/Active	780
263	Terry S Auto Service	235 East 233rd St	Bronx NY 10470	0.91 NE	9811514/Active	N/A
239	Mobil Station	688 E.Gun Hill Rd	Bronx NY 10467	0.91 SE	9708707/Active	N/A
144	3878 Cannon Pl	3878 Cannon Pl	Bronx NY 10463	0.91 SW	9314458/Closed	N/A
100	3225 Park Side Pl	3225 Park Side Pl	Bronx NY 10467	0.92 SE	9412919/Closed	N/A
131	3605 Sedgwick Ave.	3605 Sedgwick Ave.	Bronx NY 10463	0.92 SW	9208029/Closed	N/A
142	3848 Cannon Place	3848 Cannon Place	Bronx NY 10463	0.92 SW	9410713/Closed	N/A
175	Bld 3	3605 Sedgwick Ave	Bronx NY 10463	0.92 SW	9703202/Active	N/A
252	Resi: Ortiz	3605 Sedgwick Av	Bronx NY 10463	0.92 SW	9703817/Closed	N/A
160	667 East 223rd St.	Unknown	Bronx NY 10466	0.93 NE	9201255/Closed	N/A

**TABLE 6.13-2. HAZARDOUS MATERIALS SPILL SITES (REPORTED SPILLS INCLUDING LEAKING STORAGE TANKS)**

<b>ID #</b>	<b>Site</b>	<b>Address</b>		<b>Distance (miles)</b>	<b>Regulatory ID/ Status</b>	<b>Leaking Tank ID #</b>
80	204th St And Perry Av	204th St	Bronx NY 10467	0.93 SE	9515006/Closed	N/A
132	3629 White Plains Rd	3629 White Plains Rd	Bronx NY 10467	0.93 SE	9411533/Closed	N/A
139	3757 White Plains Road	3757 White Plains Rd	Bronx NY 10467	0.93 SE	9414289/Closed	N/A
183	East 204th St/Perry Ave	East 204th St/Perry Ave	Bronx NY 10467	0.93 SE	9515000/Closed	N/A
273	V2601	204th St & Perry Ave	Bronx NY 10467	0.93 SE	9809739/Active	N/A
302		684 E 222nd St	Bronx NY 10467	0.93 SE	9913365/Closed	N/A
305		684 East 222nd St	Bronx NY 10467	0.93 SE	9912174/Active	N/A
306		3714 White Plains Rd	Bronx NY 10467	0.93 SE	0011888/Closed	N/A
141	3807 Cannon Place	3807 Cannon Pl	Bronx NY 10463	0.93 SW	9415792/Closed	N/A
88	285 E 233rd St/Bx/Merit	285 East 233rd St	Bronx NY 10470	0.94 NE	9100922/Closed	<b>782</b>
89	285 East 233 St	285 East 233rd St	Bronx NY 10470	0.94 NE	9207541/Active	<b>783</b>
232	Merit Service Station	285 East 233rd St	Bronx NY 10467	0.94 NE	0003119/Active	<b>799</b>
223	Manhole 23273	White Planes Rd/East 212st	Bronx NY 10467	0.94 SE	0001452/Active	N/A
179	Concourse Yard	3119 Jerome Ave	Bronx NY 10468	0.95 SW	0012447/Active	N/A
153	4217 Katona Ave	4217 Katona Ave	Bronx NY 10470	0.96 NE	9607201/Closed	N/A
229	Manhole 429	Broadway/West 244th St	Bronx NY 10471	0.96 NW	0105501/Active	N/A
192	Gun Hill Rd/White Plains	Gun Hill Rd/White Plains Rd	Bronx NY 10467	0.96 SE	0109459/Active	N/A
196	Intersection Of	Gun Hill/White Plains Rd	Bronx NY 10467	0.96 SE	0101429/Active	N/A
208	Manhole 10684	Ifo 3204 Webster Ave	Bronx NY 10467	0.96 SE	9905752/Closed	N/A
209	Manhole 11155	E Gun Hill Rd/White Plains Rd	Bronx NY 10467	0.96 SE	9814681/Closed	N/A
248	Patrick&Son Auto Repair	3525 White Plains Rd	Bronx NY 10467	0.96 SE	9709435/Active	N/A
257	Roadway	White Plains Rd/211th St	Bronx NY 10467	0.96 SE	0100408/Active	N/A
171	Apt Complex	4064 Bronx Blvd	Bronx NY 10466	0.97 NE	9512008/Closed	N/A
304		4026 Carpenter Ave	Bronx NY 10466	0.97 NE	9810551/Active	N/A
190	Fusco Residence	6083 Broadway/W 251st St	NY 10471	0.97 NW	9703625/Closed	N/A
235	Mobil	17-Kt1 6161 Broadway	Bronx NY 10471	0.97 NW	9910039/Active	N/A
236	Mobil S/S	6161 Broadway	Bronx NY 10471	0.97 NW	9009444/Active	<b>800</b>
237	Mobil S/S	6161 Broadway	Bronx NY 10471	0.97 NW	9510681/Closed	N/A
278	Vault #4113 Boston Rd At	Manhattan College Rd	Bronx NY 10471	0.97 NW	9814475/Closed	N/A
303		White Plains Rd & 220 2nd	Bronx NY 10467	0.97 SE	9814804/Active	N/A

**TABLE 6.13-2. HAZARDOUS MATERIALS SPILL SITES (REPORTED SPILLS INCLUDING LEAKING STORAGE TANKS)**

<b>ID #</b>	<b>Site</b>	<b>Address</b>		<b>Distance (miles)</b>	<b>Regulatory ID/ Status</b>	<b>Leaking Tank ID #</b>
90	3021 Briggs Ave	3021 Briggs Ave	Bronx NY 10458	0.97 SW	9416600/Active	N/A
261	St Phillip Of Neri	3025 Grand Concourse	Bronx NY 10458	0.97 SW	9512800/Closed	N/A
262	St. Philip Of Neri	3025 Grand Concourse	Bronx NY 10468	0.97 SW	9810449/Active	N/A
272	Unknown Church	3025 Grand Concourse	Bronx NY 10468	0.97 SW	0011034/Active	N/A
295		Bainbridge Av & Mosholu	Bronx NY 10458	0.97 SW	9809623/Active	N/A
114	341 East 233rd St	341 East 233rd St	Bronx NY 10470	0.98 NE	9612437/Closed	N/A
174	Bawkins Pri Rev	638 E 227th St	Bronx NY 10466	0.98 NE	9300187/Closed	N/A
176	Broadway & W 242nd St	Broadway & W 242nd St	Bronx NY 10471	0.98 NW	9608868/Closed	N/A
181	Corner Of Broadway And	242nd St	Bronx NY 10463	0.98 NW	0109167/Active	N/A
187	Feeder 99032	Broadway & 242nd St	Bronx NY 10471	0.98 NW	9710109/Active	N/A
230	Manhole 435	Broadway/242nd St	Bronx NY 10471	0.98 NW	9911780/Active	N/A
274	Van Cortlandt Park Lake	W 242 St/Broadway	Bronx NY 10471	0.98 NW	9902900/Closed	N/A
275	Van Cortlandt Park Lake	W 242 St/Broadway	Bronx NY 10471	0.98 NW	9902902/Closed	N/A
104	Ifo 330 E204th St	330 East 204th St	Bronx NY 10467	0.98 SE	9512428/Closed	N/A
194	Ifo 330 E204th St	On The Sidewalk	Bronx NY 10467	0.98 SE	9808892/Active	N/A
284		Magenta Av & Barker Av	Bronx NY 10467	0.98 SE	9903866/Active	N/A
254	Residence	3148 Decatur Ave	Bronx NY 10467	0.99 SE	9710537/Closed	N/A
120	3490 Ft Independence Ave	3490 Ft Independence Ave	Bronx NY 10463	0.99 SW	9411647/Closed	N/A
121	3498 Ft Independence Ave	3496 Ft Independence Ave	Bronx NY 10463	0.99 SW	9511630/Closed	N/A
249	Perry Ave/E Mosholu Pky	Perry Ave	Bronx NY 10467	0.99 SW	9109902/Closed	N/A
265	Tm 249	Perry Ave/Mosholu Prky	Bronx NY 10467	0.99 SW	0103077/Active	N/A
109	3330 Bronx Blvd	3330 Bronx Blvd	Bronx NY 10467	1.00 SE	9511828/Closed	N/A
162	748 East 217th St	748 East 217th St	Bronx NY 10467	1.00 SE	9508106/Closed	N/A
291		323 East Mosholu Pkwy	Bronx NY 10467	1.00 SE	9912201/Closed	N/A
117	3442 Cannon Pl	3442 Cannon Pl	Bronx NY 10463	1.00 SW	9511504/Closed	N/A
118	3444 Cannon Pl	3444 Cannon Pl	Bronx NY 10463	1.00 SW	9509942/Closed	N/A
233	Manhole 9069	West 238th St & Putnam Ave	Bronx NY 10463	1.00 SW	9809729/Active	N/A
846	Manhole 23050	Hole Ave/Mosholu Pkwy	Bronx NY 10458	1.07 SW	9903522/Closed	N/A
826	1 Mile Section	Nhole 428 And 424	Bronx NY	NON GC	9906040/Active	N/A
827	1161 St & Lawrence Ave	1161 St & Lawrence Ave.	Bronx NY	NON GC	9308862/Closed	N/A

**TABLE 6.13-2. HAZARDOUS MATERIALS SPILL SITES (REPORTED SPILLS INCLUDING LEAKING STORAGE TANKS)**

ID #	Site	Address		Distance (miles)	Regulatory ID/ Status	Leaking Tank ID #
828	1227 Pinton Ave	1227 Pinton Ave	Bronx NY	NON GC	9515857/Closed	N/A
829	2417 Baltic Ave	2417 Baltic Avenue	Bronx NY	NON GC	9502949/Closed	N/A
830	3520 Adlevall Ave	3520 Adlevall Ave	Bronx NY	NON GC	9210522/Closed	N/A
831	710 Pinton Ave	710 Pinton Ave	Bronx NY	NON GC	9814333/Closed	N/A
832	Bayside Fuel	1975 Frederick Ave	Bronx NY	NON GC	9711348/Closed	N/A
833	East Broadway	East Broadway	Bronx NY	NON GC	9512302/Active	N/A
834	In Manhole 434 To 441	Broadway	Bronx NY	NON GC	9605281/Active	N/A
835	Manhole 11128	White Plains Rd/Moran Pl	Bronx NY	NON GC	0004801/Active	N/A
837	Manhole 28991	Bronx Blvd East	Bronx NY	NON GC	9605537/Closed	N/A
838	Manhole 434	Broadway Opp Center Road	Bronx NY	NON GC	9808465/Active	N/A
839	Manhole 440x	East Side Of Broadway	Bronx NY 10471	NON GC	9904705/Active	N/A
840	Manhole Tm1251	East 225th St	Bronx NY	NON GC	9700114/Closed	N/A
841	Manholes	Broadway	Bronx NY	NON GC	9605282/Active	N/A
842	Mcguiness Ave & 233rd St	Mcguiness Ave & 233rd St	Bronx NY	NON GC	9414947/Closed	N/A
843	Service Box 5550	Elmont	Bronx NY	NON GC	9812912/Active	N/A
844		3199 Main Bridge Av	Bronx NY	NON GC	0008309/Active	N/A
845		3243 Chall Ave	Bronx NY	NON GC	9811600/Closed	N/A
847	I-87 Major Deegan Expwy	1-87 Major Deegan-Broadway	Bronx NY 10463	NON GC	9416098/Closed	N/A
848	Manhole 19989	West 239th St	Bronx NY 10463	NON GC	9905062/Active	N/A
849	Van Cortland Park/Pkwy	Van Cortlandt Park/Pkwy	Bronx NY 10463	NON GC	9307941/Closed	N/A
850	Pole 11922	White Plains Rd	Bronx NY 10466	NON GC	9703852/Active	N/A
851	209th St	209th St	Bronx NY 10467	NON GC	9304637/Closed	N/A
852	Bet. 212th St & 211 St.	212th St / 211 St	Bronx NY 10467	NON GC	9308832/Active	N/A
853	Fm 233rd St South To	149th St Along RR Tracks	Bronx NY 10467	NON GC	9913861/Active	N/A
854	Ifo Residence	207 East 214th Street	Bronx NY 10467	NON GC	9516561/Closed	N/A
855	Manhole #145	Jerome Ave	Bronx NY 10467	NON GC	9908149/Active	N/A
856		Gun Hill Rd & Bussing Ave	Bronx NY 10467	NON GC	9905504/Closed	N/A
858	Manhole 23021	Paul Ave	Bronx NY 10468	NON GC	9903212/Closed	N/A
859	Manhole 8888	Jerome Ave	Bronx NY 10468	NON GC	9908545/Active	N/A
860	Service Box 16884	West Side Of Jerome Ave	Bronx NY 10468	NON GC	9903032/Closed	N/A

**TABLE 6.13-2. HAZARDOUS MATERIALS SPILL SITES (REPORTED SPILLS INCLUDING LEAKING STORAGE TANKS)**

ID #	Site	Address		Distance (miles)	Regulatory ID/ Status	Leaking Tank ID #
861	1023 Hazen & Neyer Ave	1023 Hazen & Neyer Ave	Bronx NY 10470	NON GC	9411395/Closed	N/A
862	Poli 13396	Oneida Ave	Bronx NY 10470	NON GC	9903909/Closed	N/A
863	Webster Cooling Plant	5250 Webster Ave	Bronx NY 10470	NON GC	9712982/Closed	N/A
Spills Occurring 1980 Through 1990						
317	3424 Kossuth Av/North	3424 Kossuth Ave	Bronx NY 10467	0.42 SW	8801016/Closed	N/A
321	I-87 S @ Mosholu	87 South @ Mosholu Pkwy	Bronx NY 10471	0.44 NW	8804154/Closed	N/A
323	Montefiore Hospital	111 East 210th St	Bronx NY 10467	0.45 SW	8709711/Closed	N/A
316	34-50 Wayne Avenue / Bx	34-50 Wayne Ave	NY, NY 10467	0.47 SE	8702062/Closed	787
311	211th St & Putnam Pl/Bx	211th St & Putnam Pl	Bronx NY 10467	0.54 SE	8907088/Closed	N/A
309	20 Mosholu Parkway S	20 Mosholu Parkway South	Bronx NY 10468	0.56 SW	8704186/Closed	N/A
322	Mobil S/S / Bx	Major Deegan Exwy @ 233st	Bronx NY 10471	0.59 NE	8909375/Closed	801
315	Mosholu Nursing Home	3356 Perry Ave	NY, NY 10467	0.67 SE	8708004/Closed	786
324	Mosholu Nursing Home	3356 Perry Ave	NY, NY 10467	0.67 SE	8800357/Closed	804
307	141 Van Cortlandt Ave	141 Van Cortlandt Ave W	Bronx NY 10463	0.74 SW	8909089/Active	N/A
326	Van Cortlandt Golf Course	Van Cortlandt Golf Course	Bronx NY 10471	0.75 NW	8605897/Active	N/A
314	333 East 206th St./St. Br	333 East 206th St.	Bronx NY 10467	0.80 SE	8705619/Closed	785
319	641 East Gun Hill Rd	641 East Gun Hill Rd.	Bronx NY 10467	0.88 SE	8707047/Closed	793
310	200 Mosholu Pkwy	200 Mosholu Parkway	NY, NY 10458	0.90 SW	8707406/Closed	779
312	235 East 233rd Street	235 East 233rd Street	Bronx NY 10470	0.91 NE	8701712/Closed	781
320	688 Gun Hill Rd/Mobil	688 Gun Hill Road	Bronx NY 10467	0.91 SE	8807470/Active	N/A
308	160 Van Cortlandt Pk. So.	160 Van Cortlandt Pk. So.	NY, NY 10463	0.92 SW	8705520/Closed	778
318	3757 White Plains Rd/Bx	3757 White Plains Road	Bronx NY 10467	0.93 SE	8806294/Active	790
325	Perry Ave Bronx/#2 Fuel O	Perry Ave & 204 Street	Bronx NY 10467	0.93 SE	8606019/Closed	N/A
313	3025 Grand Concourse/Bx	3025 Grand Concourse	Bronx NY 10468	0.97 SW	8710409/Active	784
864	Maj Deegan/Northbound	Major Deegan/Northbound	Bronx NY	NON GC	8904199/Closed	N/A
865	E Gun Hill Rd&233rd St/Bx	E Gun Hill Rd& E 233rd St	Bronx NY 10467	NON GC	8809547/Closed	N/A
866	Gun Hill Rd & E 233rd St	Gun Hill Rd & E 233rd St	Bronx NY 10467	NON GC	8801502/Closed	N/A

**TABLE 6.13-3. SUMMARY OF SIGNIFICANT SPILL INCIDENTS**

<b>Site ID#</b>	<b>Site Name</b>	<b>Distance/ Direction</b>	<b>Material Spilled</b>	<b>Cause Of Spill</b>	<b>Comments</b>
135	3660 Jerome Ave	0.10 SE	Gasoline	Tank leak	Service station for over 50 years; low levels of benzene and MTBE detected in groundwater (1995)
188	FEGS Inc, 3600 Jerome Ave	0.10 SE	Unknown	Tank test failure	Unknown if product was released to the environment (1997)
84	84 East Gun Hill Rd	0.28 SW	Fuel oil	Fuel line leak	Weathered petroleum hydrocarbons found in soil (1994)
119,316	3450 Wayne Ave	0.47 SE	Fuel oil	Equipment failure	Oil seepage into basement (1990); 400 gals of fuel oil released (1987)
164-165	Amoco #169, 3276 Jerome Ave	0.59 SW	Gasoline	Tank leak	Contaminated soil removed (1998)
86	280 Reservoir Place	0.60 SE	Fuel oil	Spill	Unknown quantity of oil hosed-off to surrounding area (1995)
125, 126, 186	3515 Webster Ave/Exxon	0.69 SE	Gasoline	Equipment Failure	Tank and contaminated soil removed (1995); gas dispenser leak (1992); tank and contaminated soil removed (1990)
100	3349 Hull Ave	0.70 SE	Fuel oil	Fuel line leak	2,500 gals released (1998)
189	Former Exxon, Webster Ave & Gun Hill Rd	0.71 SE	Gasoline	Tank Removal	5 tanks and contaminated soil removed (1997)
178, 200	Concourse Yard, Concourse & Jerome Ave	0.75 – 0.82 SW	Fuel oil	Fire	Fire caused the release of an unknown quantity of oil (2000); semi-volatile organics found in soil (1996)
245	Van Cortlandt Park, Broadway and Mosholu	0.75 NW	Fuel oil or diesel	Unknown	Contaminated soil detected during drilling (1996)

**TABLE 6.13-3. SUMMARY OF SIGNIFICANT SPILL INCIDENTS**

<b>Site ID#</b>	<b>Site Name</b>	<b>Distance/ Direction</b>	<b>Material Spilled</b>	<b>Cause Of Spill</b>	<b>Comments</b>
326	Van Cortlandt Park Lake	0.75 NW	Diesel	Spill	Approximately 55 gals of diesel spilled from a truck and may have entered the lake (1986)
134	364 East 209 <sup>th</sup> St	0.82 SE	Fuel oil	Unknown	Oil in backyard; migrating from nearby property, 3278 Decatur Ave (1994)
269	Track C-1, 205 <sup>th</sup> St D-line	0.82 SW	Oil	Unknown	Oil seeping into track bed (2000)
167	3130 Grand Concourse	0.84 SW	Fuel oil	Unknown	Oil affecting subway tunnel wall; NYCTA has been managing site for 14 years (1998)
185	641 East Gun Hill Rd, Exxon 37863	0.88 SE	Gasoline	Spill	Removed 10 yd3 of contaminated soil (1995)
154	4320 Van Cortlandt Park East	0.90 NE	Fuel oil	Fuel line leak	Contaminated soil leaking fuel line found during excavation (1991)
263	Terry Auto Service, 235 East 233 <sup>rd</sup> St	0.91 NE	Gasoline	Tank Removal	Removed 8 tanks and contaminated soil (1998)
320	688 Gun Hill Rd, Mobil	0.91 SE	Gasoline	Unknown	Sheen detected on water table (1998)
160	667 East 223 <sup>rd</sup> St	0.93 NE	Oil	Deliberate	Oil dumped in vacant lot (1992)
88, 89	285 East 233 <sup>rd</sup> St., Merit Gas Station	0.94 NE	Gasoline	Tank failure	Tanks failed leak test; excavated and removed tanks and contaminated soil (1992, 1991)
248	Patrick & Son, 3525 White Plains Rd	0.96 SE	Gasoline or diesel	Tank failure	3 gasoline and 3 diesel tanks removed with contaminated soil (1997)

**TABLE 6.13-3. SUMMARY OF SIGNIFICANT SPILL INCIDENTS**

Site ID#	Site Name	Distance/ Direction	Material Spilled	Cause Of Spill	Comments
262	St Phillip of Neri, 3025 Grand Concourse	0.97 SW	Fuel oil	Tank failure	1 tank and contaminated soil removed (1998)
274, 275	Van Cortlandt Park Lake	0.98 NW	Unknown	Unknown	Milky white substance detected on the lake; may be soap (1999)

RCRA Corrective Action Sites. System that tracks specific RCRA events that have occurred at a facility (e.g., facility assessment, stabilization), as well as corrective action program priority (high/medium/low). There are no RCRA Corrective Action sites within one-mile of the water treatment plant site.

NYSDEC Inactive Hazardous Waste Disposal Sites. Includes NYSDEC's list of hazardous waste sites that have had known environmental releases. According to the NYSDEC, there are no inactive hazardous waste disposal sites within a one-mile radius of the water treatment plant site.

Emergency Response Notification System Sites (ERNS). This is EPA's spills database showing all EPA response action to emergency spill incidents. The ERNS sites are presented by impacted media (i.e., land, water, air).

There have been 10 emergency response incidents in proximity to the proposed water treatment plant site that have involved the release of hazardous materials to the environment (Table 6.13-4). Eight of the incidents occurred within one-mile of the water treatment plant site; the other two incidents occurred at locations that could not be specifically located, but may be in proximity to the water treatment plant site.

Toxic Release Inventory Sites (TRIS). The Toxics Release Inventory was established for Emergency Planning and Community Right-to-Know Act, Section 313 submissions. TRIS contains information reported to USEPA and/or NYSDEC by a variety of industries on their annual estimated releases of certain chemicals to the environment. Data include the maximum amount stored on-site; the estimated quantity emitted into the air, discharged into bodies of water, injected underground, or released onto land; methods used in waste treatment and their efficiency; and the transfer of chemicals off-site. There are no toxic release inventory data reporting sites within one-mile of the water treatment plant site.

Accidental and Permitted Release Sites. There have been 13 reported incidents of accidental or permitted releases of substances to the environment within one-mile of the water treatment plant site (Table 6.13-4). The accidental incidents generally involved the release of oil or diesel fuel and were remediated shortly after detection.



**TABLE 6.13-4. EMERGENCY RESPONSE NOTIFICATION SYSTEM AND ENVIRONMENTAL RELEASE SITES**

ID #	Site	Address		Distance (miles)	Regulatory Id/ Status
Emergency Response Notification System (Erns) Sites					
67	45 East Glenhill Rd/Dekalb		Bronx NY 10467	0.30 SE	340242/Unknown
63	Con Edison	3448 Jerome Ave	Bronx NY 10467	0.35 SW	572795/Unknown
68	Con Edison	3485 Jerome Ave	Bronx NY 10467	0.44 SW	NRC-584442/Fixed
65		3605 Sedgwick Ave	Bronx NY 10463	0.92 SW	288080/Unknown (NRC)
66			Bronx NY 10466	0.93 NE	291468/Fixed Facility
61	Apartment Bldg (76 Apts.)	375 East 205 St	Bronx NY 10467	0.95 SE	NRC-593652/Storage Tank
64	NY City Transit Auth	Broadway And 242nd St	NY, NY 10471	0.98 NW	511271/Highway Related
62	Con Edison	Vault No. 4113 Post Rd	Bronx NY 10471	0.99 NW	612174/Fixed Facility
822	Mile Post 10	Harlem RR Line Track 2	Bronx NY 10458	NON GC	NRC-553769/Fixed
823	Spilled 233 St To 149 St		Bronx NY 10467	NON GC	NRC-522338/Railroad
Accidental And Permitted Hazardous Material Release Sites					
816	45 E Glenhill Road/Dekalb		Bronx NY 10467	0.30 SE	340242/Fixed Facility
810	Con Edison	3448 Jerome Ave	Bronx NY 10467	0.35 SW	572795/Fixed Facility
878	Vault 2780 / 23425 Kossuth A		Bronx NY 10467	0.44 SW	NRC-627714/Fixed
811	East Gun Hill/ Webster Rd		Bronx NY 10467	0.71 SE	NRC-616511/Fixed
814	Residential Area	206th St and Bainbridge	Bronx NY 10467	0.80 SE	NRC-589894/Fixed
813	Villa Ave and 205		Bronx NY 10468	0.84 SW	NRC-595447/Fixed
815		281 E. 205th St. Apt 4-F	Bronx NY 10467	0.87 SE	NRC-573390/Fixed
817		679 East 221St	Bronx NY 10467	0.91 SE	654374/Fixed Facility
812	NYC Transit Authority	240 2nd St And Broadway	NY, NY 10463	0.98 NW	511269/Highway Related
818		West 242 St & Broadway	Bronx NY 10463	0.98 NW	626694/Unknown (NRC)
875	Reservoir Shaft 18		Bronx NY	NON GC	NRC-548877/Fixed
876		Bronx River Mm	Bronx NY	NON GC	636208/Unknown (NRC)
877	Two Blocks, East Gun Hill		Bronx NY 10467	NON GC	NRC-616504/Fixed

### ***Sites Where Hazardous Materials or Wastes Have Been Used or Stored.***

RCRA Regulated Sites. Includes the USEPA's list of all registered hazardous waste generators. They are classified as treatment, storage, disposal (TSD), large quantity (LGN), small quantity (SGN), very small quantity (VGN), and no longer regulated (NLR) generator facilities. Compliance Monitoring and Enforcement List (CMEL) and RCRA Administrative Action Tracking System (RAATS) information are also included.

There are no RCRA regulated TSD facilities within one mile of the proposed water treatment plant site but there are 36 RCRA hazardous waste generators including two sites which could not be geocoded (Table 6.13-5). In addition, there are 27 sites (including one non-geocoded) within one-mile of the water treatment plant site that are no longer RCRA regulated (NLR). Unless identified in other databases, these TSD, hazardous waste generators, and NLR facilities represent sites where hazardous wastes are (or have been) handled but there is no indication that these substances have been released to the environment.

Solid Waste Landfills. This database includes a listing of landfills, incinerators, transfer stations, recycling centers, and other sites that manage solid waste. There are five solid waste (i.e., municipal) facilities, probably transfer stations within one-mile of the water treatment plant site (all non-geocoded).

USEPA Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) List. In addition to the NPL, the USEPA maintains a list of known or suspected uncontrolled or abandoned hazardous waste sites that have either been investigated, or are under investigation for potential releases of hazardous substances. The subject properties do not appear on the CERCLIS list of properties that is either currently under investigation or planned for future investigation, according to current available USEPA information. There are no CERCLIS sites within one-mile of the water treatment plant site.

NYSDEC Sites. The Resource Conservation and Recovery Act (RCRA) information system tracks large-quantity hazardous waste generators, small-quantity generators, and facilities that treat, store, or dispose of hazardous wastes. There are no NYSDEC hazardous material or waste disposal sites within one-mile of the water treatment plant site.

Regulated Underground and Aboveground Storage Tanks. This is NYSDEC's list of registered underground and above ground bulk (i.e., >1,100 gallons) storage tanks that includes petroleum and chemical bulk storage tanks but excludes unregistered fuel oil tanks such as those used in residential applications (<1,100 gallons).

There are 453 petroleum bulk storage (PBS) tanks within one-mile of the water treatment plant site (Table 6.13-6). All of the tanks (88 percent) reportedly contain petroleum related products such as fuel oil, diesel fuel, and gasoline. There are no chemical bulk storage tanks in the area. Unless identified in databases pertaining to spills or releases, these regulated tanks represent sites where hazardous materials are (or have been) handled but there is no indication that these substances have been released to the environment.

**TABLE 6.13-5. CURRENT AND FORMER RCRA REGULATED SITES, SOLID WASTE FACILITIES, AND FINDS  
DATABASE SITES**

<b>ID #</b>	<b>Site</b>	<b>Address</b>	<b>Distance (miles)</b>	<b>Regulatory ID/ Status</b>
<b>RCRA Permitted Facilities (Generators)</b>				
4	C & J Gun Hill Rd Cleaners	1 E Gun Hill Rd	Bronx NY 10467	0.26 SW NYD982740250/VGN
22	NYCDEP - Shaft 2	Van Cortlandt Park S	Bronx NY 10471	0.41 SW NYR000092239/VGN
12	Leos Cleaners	5 E 208th St Off Jerome Ave	Bronx NY 10467	0.43 SW NYD981185499/SGN
13	Montefiore Medical Center	111 E 210th St	Bronx NY 10467	0.45 SW NYD041581026/LGN
18	NY Power/N Central Bronx Hosp	210th St & Kossuth Ave	Bronx NY 10467	0.45 SW NYR000089888/VGN
23	NYCDEP - Shaft 3	Sedgewick & Goulden Ave	Bronx NY 10468	0.49 SW NYR000092247/VGN
24	NYCDEP - Shaft 3b	Jerome Ave S Of 233rd St	Bronx NY 10471	0.59 NE NYR000092262/VGN
2	Billvers Service Station Inc	3276 Jerome Ave	Bronx NY 10468	0.59 SW NYD986990687/SGN
19	NYC Bd of Ed - Public School 95	3961 Hillman Ave	Bronx NY 10463	0.62 SW NYR000010652/VGN
30	Speedy Cleaners	332 E Gun Hill Rd	Bronx NY 10467	0.64 SE NYD981139090/SGN
9	Hughes Oliver	3515 Webster Ave	Bronx NY 10467	0.69 SE NYD986896868/SGN
11	Lasorsa Buick Pontiac Chevrolet	3510 Webster Ave	Bronx NY 10467	0.70 SE NYD986897353/VGN
16	MTA NYCT	Van Cortlandt Ave & Mosholu Parkway	Bronx NY 10458	0.70 SW NYR000077719/LGN
8	Hue Pham Cleaners	56 Van Corlandt Ave W	Bronx NY 10463	0.71 SW NYD981877954/VGN
17	Ninos Cleaners	4207 Oneida Ave	Bronx NY 10470	0.78 NE NYD987020880/VGN
1	Bainbridge Cleaners	3197 Bainbridge	Bronx NY 10467	0.78 SE NYD122512197/SGN
21	NYCDEP - Jerome Pump Station	Jerome Ave & 205th St	Bronx NY 10468	0.81 SW NYR000092668/VGN
15	MTA NYCT	Grand Concourse C & D Li Grand Concourse 205th St	Bronx NY 10453	0.82 SW NYR000051854/VGN
26	NYCDOT Bin 2241940	W 205th St Bridge Over Nyct	Bronx NY 10468	0.82 SW NYR000052431/SGN
27	NYCDOT Bridge Bin 224194	W 205th St Near Jerome	Bronx NY 10468	0.82 SW NYR000019349/TR
6	Ducal Cleaners	3131 Grand Concourse	Bronx NY 10468	0.83 SW NYD068123645/SGN
25	NYCDEP Jerome Park Reservoir	205th St & Goulden Ave	Bronx NY 10468	0.86 SW NYR000105171/LGN

**TABLE 6.13-5. CURRENT AND FORMER RCRA REGULATED SITES, SOLID WASTE FACILITIES, AND FINDS  
DATABASE SITES**

<b>ID #</b>	<b>Site</b>	<b>Address</b>		<b>Distance (miles)</b>	<b>Regulatory ID/ Status</b>
33	Tosco #34793	641 E Gun Hill Rd	Bronx NY 10467	0.88 SE	NYD982797771/VGN
3	Brother Cleaners	231 E 204th St	Bronx NY 10470	0.88 SW	NY0001016633/VGN
32	Terrys Auto Service	235 E 233rd St	Bronx NY 10470	0.91 NE	NYR000065516/SGN
14	MTA NYCT - 219th St Station	219th St/White Plains Rd	Bronx NY 10467	0.94 SE	NYR000099028/SGN
10	J & R Cleaners	128 W 238th St	Bronx NY 10463	0.94 SW	NYD982534513/SGN
5	Creative Cleaners	308 E 204th St	Bronx NY 10467	0.95 SE	NYD130207509/SGN
29	NYCT - Williams Bridge Square	Corner Of White Plains Rd	Bronx NY 10467	0.96 SE	NYR000098483/VGN
31	Synthetic Cleaners	3860 White Plains Rd	Bronx NY 10467	0.97 SE	NYD093674232/SGN
34	Woodlawn Cemetery The	329 E 233rd St/Webster Ave	Bronx NY 10470	0.98 NE	NY0002194421/SGN
20	NYC Pks & Rec - Reg Mgmt & Consul	Broadway & W 242nd St	Bronx NY 10471	0.98 NW	NYR000098871/SGN
7	Green Castle D-C	345 E 204th St	Bronx NY 10467	1.00 SE	NYD982790982/VGN
28	NYCHA - Gun Hill Houses	3444 White Plains Rd	Bronx NY 10467	1.00 SE	NYR000098558/SGN
819	NYCDOT Bridge Bin 2241259	E 204th St Ped Brg Over	Bronx NY 10458	NON GC	NYR000100107/LGN
820	MTA NYCT - Jerome Ave Elevated Line Jerome Ave between 190th St &		Bronx NY 10468	NON GC	NYR000081950/LGN
<b>Former RCRA Permitted Facilities (No Longer Regulated)</b>					
42	Double D Cleaners	55 E Gun Hill Rd	Bronx NY 10467	0.31 SE	NYD981087497/NLR
43	Exacto 1 Hour Cleaners	3470 Jerome Ave	Bronx NY 10467	0.33 SW	NYD981562036/NLR
45	Fuji Photo Film Usa Inc	3448 Jerome Ave	Bronx NY 10467	0.35 SW	NY0000970483/NLR
58	So Young Leos Cleaner	5 E 208th St	Bronx NY 10467	0.43 SW	NYD981082522/NLR
57	NYS DOT - Contract D252807	Mosholu Pkwy S & Deegan N	Bronx NY 10471	0.44 NW	NYD986926871/NLR
41	Dewitt Clinton High School	100 W Mosholu Pkwy S	Bronx NY 10468	0.47 SW	NYD982727257/NLR
50	Mobil Oil Corp Ss K5k	Major Deegan Expwy S/233 St	Bronx NY 10471	0.59 NE	NYD986955466/NLR
51	Mobil Oil Corp Ss K7e	Major Deegan Expwy N/233 St	Bronx NY 10471	0.59 NE	NYD986955474/NLR

**TABLE 6.13-5. CURRENT AND FORMER RCRA REGULATED SITES, SOLID WASTE FACILITIES, AND FINDS  
DATABASE SITES**

<b>ID #</b>	<b>Site</b>	<b>Address</b>		<b>Distance (miles)</b>	<b>Regulatory ID/ Status</b>
35	A C A Amoco 596	1 E 233rd St	Westside Of Bronx NY 10470	0.60 NE	NYD986989812/NLR
40	Cat Auto Tech Corp	1 E 233rd St	Bronx NY 10470	0.60 NE	NYD986962389/NLR
37	Argo Buick Inc	3510 Webster Ave	Bronx NY 10467	0.70 SE	NYD011903556/NLR
53	Nessen Lamps Inc	3200 Jerome Ave	Bronx NY 10468	0.73 SW	NYD001486752/NLR
56	NYCTA Jerome Avenue Yard	Jerome Ave/Van Cortlandt	Bronx NY 10468	0.75 SW	NYD980648679/NLR
54	NYC Bronx High School Of Science	75 W 205th St	Bronx NY 10468	0.83 SW	NY0000380006/NLR
46	Golden Touch Cleaners	240 E 204th St	Bronx NY 10458	0.89 SW	NYD065984072/NLR
36	A Y G Service Station Inc	688 Gun Hill Rd	Bronx NY 10467	0.91 SE	NYD986955557/NLR
39	Bedford Park Motors Ltd	3112 Jerome Ave	Bronx NY 10468	0.92 SW	NYD986951721/NLR
49	Merit Oil Corp	285 E 233rd St	Bronx NY 10470	0.94 NE	NYD982185688/NLR
44	Faithful Cleaners	3750 White Plains Rd	Bronx NY 10467	0.94 SE	NYD071041461/NLR
48	Lean Brite Cleaners	3584 White Plains Rd	Bronx NY 10467	0.95 SE	NYD986878528/NLR
55	NYCTA Concourse Yard	3119 Jerome Ave	Bronx NY 10468	0.95 SW	NYD980648653/NLR
38	Arnow Service & Diagnostic	3525 White Plains Rd	Bronx NY 10467	0.96 SE	NYD064953052/NLR
59	Sunlite Cleaners	3532 White Plains Rd	Bronx NY 10467	0.96 SE	NYD986895035/NLR
52	Mobil Oil Corp Ss Kt1	6161 Broadway	Bronx NY 10471	0.97 NW	NYD986955607/NLR
47	Gun Hill Cleaners Inc	3506 White Plains Rd	Bronx NY 10467	0.97 SE	NYD980778633/NLR
60	Webster Operating Corp	3210 Webster Ave	Bronx NY 10467	0.98 SE	NYU005001284/NLR
821	NYSDOT Contract D257548	Major Deegan Expwy So.	Bronx NY 10458	NON GC	NYR000055160/NLR
<b>Solid Waste Facilities</b>					
867	Afc Carting		Bronx NY	NON GC	2-03T43/INACTIVE
868	As Recycling		Bronx NY	NON GC	2-03W41/ACTIVE
869	Felix Recycling Fill Mate		Bronx NY	NON GC	2-03W78/ACTIVE
870	Lee-Bin T.S.		Bronx NY	NON GC	2-03T06/INACTIVE
871	Universal Demo Recycling		Bronx NY	NON GC	2-03T35/INACTIVE

**TABLE 6.13-5. CURRENT AND FORMER RCRA REGULATED SITES, SOLID WASTE FACILITIES, AND FINDS  
DATABASE SITES**

<b>ID #</b>	<b>Site</b>	<b>Address</b>	<b>Distance (miles)</b>	<b>Regulatory ID/ Status</b>
<b>Finds Database Sites</b>				
73	N Central Bronx Hospital	3424 Kossath Ave	Bronx NY 10467	0.42 SW NYD980524193
74	Tracey Towers	40 W Mosholu Pkwy	Bronx NY 10467	0.50 SW NY0002306652
72	Management	20-40 W Mosholu Pkwy	Bronx NY 10467	0.56 SW NY0002194405
70	Getty	150 Van Cortlandt	Bronx NY 10458	0.69 SW NY0001493147
71	Grand Concourse Clnr	31-31 Grand Concourse	Bronx NY 10458	0.83 SW NY0001493188
69	City Gas	3210 Webster Ave	Bronx NY 10467	0.98 SE NY0001493519
824	NYS UDC Cogeneration	Mott Haven Rof Proc	Bronx NY	NON GC NYD986920866
825	NYSDOT Contract D257548	Sb Major Deegan Expwy	Bronx NY 10458	NON GC NY0002410983

**TABLE 6.13-6. UNDERGROUND AND ABOVEGROUND STORAGE TANKS**

<b>ID #</b>	<b>Site</b>	<b>Address</b>		<b>Distance (miles)</b>	<b>Regulatory ID/ Status</b>
616	Harry & Jeanette Weinberg	3600 Jerome Ave	Bronx NY 10467	0.10 SE	PBS2-601836/Active PBS
332	12 East 213th St	12 East 213th St	Bronx NY 10467	0.13 SE	PBS2-363197/Active PBS
495	3585 Dekalb Ave	3585 De Kalb Ave	Bronx NY 10467	0.15 SE	PBS2-258652/Active PBS
347	19-25 East 213th St	19-25 East 213th St	Bronx NY 10467	0.16 SE	PBS2-363200/Active PBS
492	3573 Dekalb Ave	3573 Dekalb Ave	Bronx NY 10467	0.16 SE	PBS2-082953/Active PBS
490	3572-78 Dekalb Property	3572 Dekalb Ave	Bronx NY 10467	0.17 SE	PBS2-257540/Active PBS
491	3572-78 Dekalb Property	3576 Dekalb Ave.	Bronx NY 10467	0.17 SE	PBS2-604249/Active PBS
493	3578 Dekalb Ave	3578 Dekalb Ave	Bronx NY 10467	0.17 SE	PBS2-250589/Active PBS
714	Quest Property Mgnt V	3569 Dekalb Ave	Bronx NY 10467	0.17 SE	PBS2-257850/Active PBS
488	3561 Dekalb Ave	3561 Dekalb Ave	Bronx NY 10467	0.20 SE	PBS2-602044/Active PBS
485	3551 Realty Co.	3551 Dekalb Ave	Bronx NY 10467	0.21 SE	PBS2-209996/Active PBS
497	3595 Bainbridge	3595 Bainbridge Ave	Bronx NY 10467	0.21 SE	PBS2-362883/Active PBS
728	Rosaron Realty Corp	3554 Dekalb Ave	Bronx NY 10467	0.21 SE	PBS2-235202/Active PBS
533	50 East 212th St	50 East 212th St	Bronx NY 10467	0.22 SE	PBS2-363227/Active PBS
660	Kolcaj Realty Corp	3544 Dekalb Ave	Bronx NY 10467	0.22 SE	PBS2-199478/Active PBS
484	3540 Dekalb Ave	3540 Dekalb Ave	Bronx NY 10467	0.23 SE	PBS2-236187/Active PBS
496	3591 Bainbridge	3591 Bainbridge Ave	Bronx NY 10467	0.23 SE	PBS2-362891/Active PBS
598	Dekalb Ave Realty Assoc	3535 Dekalb Ave	Bronx NY 10467	0.23 SE	PBS2-070629/Active PBS
600	Dekalb Realty Co	3530 Dekalb Ave	Bronx NY 10467	0.24 SE	PBS2-323403/Active PBS
476	3521 Dekalb Ave	3521 Dekalb Ave	Bronx NY 10467	0.25 SE	PBS2-153052/Active PBS
367	25 Gun Hill Assoc. L.L.C.	3511 Dekalb Ave	Bronx NY 10467	0.26 SE	PBS2-283398/Active PBS
620	G.P.C. Realty Corporation	3554 Rochambeau Ave	Bronx NY 10467	0.27 SE	PBS2-605874/Active PBS
725	Rochambeau Assoc	3556-60 Rochambeau Av	Bronx NY 10467	0.27 SE	PBS2-359858/Active PBS
346	19 East Gun Hill Rd.	19 East Gun Hill Rd.	Bronx NY 10467	0.27 SW	PBS2-601589/Active PBS
622	Gjelaj & Sons Inc.	7 East Gun Hill Road	Bronx NY 10467	0.27 SW	PBS2-601577/Active PBS
466	3500 Dekalb Ave	3500 Dekalb Ave	Bronx NY 10467	0.28 SE	PBS2-310719/Active PBS
561	Apt House	36-38 W Gun Hill Rd	Bronx NY 10467	0.28 SW	PBS2-370436/Active PBS
603	Drima Assets, Inc	3540 Rochambeau Ave	Bronx NY 10467	0.29 SE	PBS2-234176/Active PBS
570	Bilotta Et Al	50 West Gun Hill Road	Bronx NY 10467	0.29 SW	PBS2-482552/Active PBS
481	3525 Rochambeau Ave	3525 Rochambeau Ave	Bronx NY 10467	0.30 SE	PBS2-469033/Admin Closed
483	3530 Rochambeau Ave.	3530 Rochambeau Ave.	Bronx NY 10467	0.30 SE	PBS2-603963/Active PBS

**TABLE 6.13-6. UNDERGROUND AND ABOVEGROUND STORAGE TANKS**

<b>ID #</b>	<b>Site</b>	<b>Address</b>		<b>Distance (miles)</b>	<b>Regulatory ID/ Status</b>
709	Pomp-Skyline Li Ltd.	3525 Rochambeau Ave	Bronx NY 10467	0.30 SE	PBS2-603110/Active PBS
463	3450 Gates Pl	3450 Gates Pl	Bronx NY 10467	0.30 SW	PBS2-160431/Active PBS
465	3475-77 Knox Pl	3475-77 Knox Pl	Bronx NY 10467	0.30 SW	PBS2-319201/Active PBS
542	66 West Gun Hill Road	66 West Gun Hill Road	Bronx NY 10467	0.30 SW	PBS2-481629/Active PBS
474	3515 Rochambeau Ave	3515 Rochambeau Ave	Bronx NY 10467	0.31 SE	PBS2-235792/Active PBS
540	65 East Gun Hill Road	65 East Gun Hill Road	Bronx NY 10467	0.31 SE	PBS2-197661/Active PBS
586	Club Mgmt Co	3514 Rochambeau Ave	NY, NY 10467	0.31 SE	PBS2-153311/Active PBS
460	3440 Holding L.L.C	3440 Gates Pl	Bronx NY 10467	0.31 SW	PBS2-215791/Active PBS
656	Joseph A. Coco	3472 Knox Pl	Bronx NY 10467	0.31 SW	PBS2-333913/Active PBS
471	3505 Rochambeau Ave.	3505 Rochambeau Ave.	Bronx NY 10467	0.32 SE	PBS2-604012/Active PBS
618	First Venture Housing	3505 Rochambeau Ave	Bronx NY 10467	0.32 SE	PBS2-234389/Admin Closed
464	3467 Dekalb Ave	3467 Dekalb Ave	Bronx NY 10467	0.32 SW	PBS2-601478/Active PBS
623	Gjerovica Associates	3464 Knox Place	Bronx NY 10467	0.32 SW	PBS2-601209/Active PBS
651	Jireh Realty Co	3459 Dekalb Ave	Bronx NY 10467	0.32 SW	PBS2-191892/Active PBS
729	Rutho 5746 Corp	3467 Dekalb Ave	Bronx NY 10467	0.32 SW	PBS2-363049/Admin Closed
767	Webster Affiliates Inc	3433 Gates Place	Bronx NY 10467	0.32 SW	PBS2-338508/Active PBS
468	3504 Rochambeau Ave	3504 Rochambeau Ave	Bronx NY 10467	0.33 SE	PBS2-363243/Active PBS
456	3425 Gates Associates	3425 Gates Place	Bronx NY 10467	0.33 SW	PBS2-603579/Active PBS
462	3447 Dekalb Ave	3447 Dekalb Ave	Bronx NY 10467	0.33 SW	PBS2-363235/Active PBS
694	P. Sofia Realty Corp.	3455 Knox Place	Bronx NY 10467	0.33 SW	PBS2-605411/Unregulated
457	3433 Dekalb Ave	3433 Dekalb Ave	Bronx NY 10467	0.34 SW	PBS2-094617/Active PBS
461	3444 Knox Realty Corp.	3444 Knox Place	Bronx NY 10467	0.34 SW	PBS2-605441/Active PBS
636	Hunter Hall, L.L.C.	75 West Mosholu Pkwy	Bronx NY 10467	0.34 SW	PBS2-602890/Active PBS
702	Pat-Mar Management Co	3424 Gates Place	Bronx NY 10467	0.34 SW	PBS2-200530/Active PBS
486	3555 Bainbridge L.L.C.	3555 Bainbridge Ave	Bronx NY 10467	0.35 SE	PBS2-061352/Active PBS
489	3563 Realty L.L.C.	3563 Bainbridge Ave	Bronx NY 10467	0.35 SE	PBS2-605250/Active PBS
453	3418 Pat-Mar Mgmt. Co. Inc.	3418 Gates Place	Bronx NY 10467	0.35 SW	PBS2-280259/Active PBS
458	3439 Knox Place	3439 Knox Place	Bronx NY 10467	0.35 SW	PBS2-373346/Active PBS
647	Jermome Ave Assoc	3452 Jerome Ave	Bronx NY 10467	0.35 SW	PBS2-205265/Active PBS
560	Apartment House	55 West Mosholu Pkwy	Bronx NY 10467	0.36 SW	PBS2-294578/Active PBS
564	Aytem Realty Corp	3425 Knox Pl	NY, NY 10467	0.36 SW	PBS2-256528/Active PBS



**TABLE 6.13-6. UNDERGROUND AND ABOVEGROUND STORAGE TANKS**

<b>ID #</b>	<b>Site</b>	<b>Address</b>		<b>Distance (miles)</b>	<b>Regulatory ID/ Status</b>
568	Beltway Company, L.L.C.	3434 Knox Place	NY, NY 10467	0.36 SW	PBS2-201391/Active PBS
655	Jorif Associates	51 West Mosholu Pkwy	Bronx NY 10467	0.36 SW	PBS2-239666/Active PBS
478	3525 Bainbridge Ave.	3525 Bainbridge Ave.	Bronx NY 10467	0.37 SE	PBS2-604008/Active PBS
454	3422 Knox Place	3422 Knox Place	Bronx NY 10467	0.37 SW	PBS2-340863/Active PBS
556	AnthrIn Realty	3422 Knox Place	Bronx NY 10467	0.37 SW	PBS2-317004/Active PBS
643	Jak Milicaj Gates Pl Rlty	3405 Gates Pl	Bronx NY 10467	0.37 SW	PBS2-360325/Active PBS
383	305 Realty Co	3530 Bainbridge Ave	Bronx NY 10467	0.38 SE	PBS2-400483/Active PBS
567	Bcr Associates	3415 Knox Place	Bronx NY 10467	0.38 SW	PBS2-363251/Active PBS
680	Mosholu-Montefiore Community Center	3450 Dekalb Ave	Bronx NY 10467	0.38 SW	PBS2-603087/Active PBS
472	3510 Bainbridge Ave	3510 Bainbridge Ave	Bronx NY 10467	0.39 SE	PBS2-070645/Active PBS
637	Ide Realty Co. L.L.C.	3544 Wayne Av	NY, NY 10467	0.40 SE	PBS2-316458/Active PBS
353	21 W Mosholu Pkwy N	21 W Mosholu Pkwy N	Bronx NY 10467	0.41 SW	PBS2-356786/Active PBS
455	3424 Dekalb Ave	3424 Dekalb Ave	Bronx NY 10467	0.41 SW	PBS2-601599/Active PBS
559	Apartment House	3505 Wayne Ave	Bronx NY 10467	0.42 SE	PBS2-193224/Active PBS
334	134 E Mosholu Pkwy S	134 W Mosholu Pkwy S	Bronx NY 10463	0.42 SW	PBS2-406163/Admin Closed
684	N Central Bronx Hospital	3424 Kossuth Ave	Bronx NY 10467	0.42 SW	PBS2-401277/Active PBS
339	15 East 208th St Realty	15 East 208th St	Bronx NY 10467	0.43 SW	PBS2-236640/Active PBS
591	Cpr Management Ix Corp	15-17 Mosholu Pkwy N	Bronx NY 10467	0.43 SW	PBS2-602908/Active PBS
599	Dekalb L.L.C.	3407-09 Dekalb Ave	Bronx NY 10467	0.43 SW	PBS2-605264/Active PBS
336	14-16 E 208th St Realty Co	14-16 East 208th St	Bronx NY 10467	0.44 SW	PBS2-253480/Active PBS
452	3405 Kossuth Ave	3405 Kossuth Ave	Bronx NY 10467	0.44 SW	PBS2-605355/Active PBS
683	Neilson Assoc	55 E 210th St	Bronx NY 10467	0.44 SW	PBS2-214477/Active PBS
731	Saint Patricks Home	66 Van Cortlandt Pkwy	Bronx NY 10463	0.44 SW	PBS2-239518/Active PBS
373	264/266 East 211 St	264 East 211st St	Bronx NY 10467	0.45 SE	PBS2-292591/Active PBS
475	3520 Tryon Ave Owners	3520 Tryon Ave	Bronx NY 10467	0.45 SE	PBS2-210633/Active PBS
628	Gun Hill Road Partners	215 East Gun Hill Rd	Bronx NY 10467	0.45 SE	PBS2-603758/Active PBS
676	Montefiore Medical Ctr	111 East 210th St	Bronx NY 10467	0.45 SW	PBS2-601987/Active PBS
755	Tryon Ave Properties, L.L.C	3500 Tryon Ave	Bronx NY 10467	0.46 SE	PBS2-292729/Active PBS
613	Estate of Louis Sachs	35 E 208th St	Bronx NY 10467	0.46 SW	PBS2-152439/Active PBS
587	College Gardens Coop	3535-55 Kings Coll Pl	Bronx NY 10467	0.47 SE	PBS2-275255/Active PBS

**TABLE 6.13-6. UNDERGROUND AND ABOVEGROUND STORAGE TANKS**

<b>ID #</b>	<b>Site</b>	<b>Address</b>		<b>Distance (miles)</b>	<b>Regulatory ID/ Status</b>
673	Montefiore Hosp Hsng Sec	3450 Wayne Ave	Bronx NY 10467	0.47 SE	PBS2-117374/Active PBS
340	15 East Mosholu Pkwy	15 E Mosholu Pkwy N	Bronx NY 10467	0.47 SW	PBS2-457477/Active PBS
372	26 Realty Co	30 East 208th St	Bronx NY 10467	0.47 SW	PBS2-295876/Active PBS
360	234-6 East Gun Hill Rd	234-6 East Gun Hill Rd	Bronx NY 10467	0.48 SE	PBS2-600238/Active PBS
674	Montefiore Hospital Housing Co.	3411 Wayne Ave	Bronx NY 10467	0.48 SE	PBS2-288683/Active PBS
712	Public School 94	3530 Kings College Pl	Bronx NY 10467	0.48 SE	PBS2-605771/Active PBS
531	44 208 Property Corp	44 E 208 St	Bronx NY 10467	0.48 SW	PBS2-327700/Active PBS
640	Innkeepers Co., Inc.	25 E Mosholu Pkwy N	Bronx NY 10467	0.48 SW	PBS2-314420/Active PBS
368	250 East Gun Hill Rd	250 E Gun Hill Rd	Bronx NY 10467	0.49 SE	PBS2-160210/Active PBS
662	Leewood Mngmnt Co	245 E Gun Hill Rd	Bronx NY 10467	0.49 SE	PBS2-454419/Active PBS
388	311 Realty Co	55 E 208th St	Bronx NY 10467	0.49 SW	PBS2-277479/Active PBS
577	Bukolla Properties, Inc.	29 E Mosholu Pkwy N	Bronx NY 10467	0.49 SW	PBS2-201979/Active PBS
593	D.J. Management Co.	3508 Kings College Pl	Bronx NY 10467	0.50 SE	PBS2-603511/Active PBS
675	Montefiore Hosp Med Ctr	3400 Wayne Ave	Bronx NY 10467	0.50 SE	PBS2-276863/Active PBS
442	3320 Holding, L.L.C.	3320 Kossuth Ave	Bronx NY 10467	0.50 SW	PBS2-310557/Active PBS
722	Rettner Realty Co	45 E Mosholu Pkwy N	Bronx NY 10467	0.50 SW	PBS2-255041/Active PBS
751	Tracey Towers Associates	40 W Mosholu Pkwy S	Bronx NY 10467	0.50 SW	PBS2-269042/Active PBS
439	3310 Kossuth Ave	3310 Kossuth Ave	Bronx NY 10467	0.51 SW	PBS2-605510/Active PBS
534	55 E Mosholu Pkwy North	55 E Mosholu Pkwy N	Bronx NY 10467	0.51 SW	PBS2-363189/Active PBS
774	X-440 De Witt Clinton H.S	Mosh Pkwy/Paul Ave	Bronx NY 10468	0.51 SW	PBS2-352616/Active PBS
451	3400 Tryon Assoc	3400 Tryon Ave	Bronx NY 10467	0.52 SE	PBS2-214671/Active PBS
416	3202 Kossuth	3202 Kossuth Ave	Bronx NY 10467	0.53 SW	PBS2-255491/Active PBS
421	3216 Kossuth Ave	3216 Kossuth Ave	Bronx NY 10467	0.53 SW	PBS2-346756/Active PBS
594	D.J. Management Co.	3511 Putnam Place	Bronx NY 10467	0.54 SE	PBS2-603512/Active PBS
666	Made Realty Corp.	3395 Reservoir Oval W	Bronx NY 10467	0.55 SE	PBS2-603126/Active PBS
721	Residential Building	3341 Reservoir Oval W	Bronx NY 10467	0.55 SE	PBS2-284912/Active PBS
566	Bajram Sinanovic	3318 Steuben Ave	Bronx NY 10467	0.55 SW	PBS2-278203/Active PBS
720	Residential Apt Building	91 East 208 St	Bronx NY 10467	0.55 SW	PBS2-294306/Active PBS
604	Durco Realty Co	275 East Gun Hill Rd	Bronx NY 10467	0.56 SE	PBS2-249912/Active PBS
609	Egidio-Gun Hill Corp.	272 East Gun Hill Rd	Bronx NY 10467	0.56 SE	PBS2-603584/Active PBS
585	Clearwater Properties	92 East 208th St	Bronx NY 10467	0.56 SW	PBS2-481092/Active PBS

**TABLE 6.13-6. UNDERGROUND AND ABOVEGROUND STORAGE TANKS**

<b>ID #</b>	<b>Site</b>	<b>Address</b>		<b>Distance (miles)</b>	<b>Regulatory ID/ Status</b>
549	96 East 208th St	96 E 208th St	Bronx NY 10467	0.57 SW	PBS2-187305/Active PBS
354	211 St Realty Corp.	316 E. 211th St	Bronx NY 10467	0.58 SE	PBS2-605601/Active PBS
375	282 E Gun Hill Rd	282 E Gun Hill Rd	Bronx NY 10467	0.58 SE	PBS2-328367/Active PBS
678	Mosholu Enterprises Inc	85 Mosholu Pkwy	Bronx NY 10467	0.58 SW	PBS2-107107/Active PBS
672	Mobil S/S # 17-K5k	71 Maj Deegan Expwy/233rd	Bronx NY 10471	0.59 NE	PBS2-601331/Active PBS
470	3505 Perry Ave	3505 Perry Ave	Bronx NY 10467	0.59 SE	PBS2-605816/Active PBS
602	Don-Lou Realty	144 East 208 St	Bronx NY 10467	0.59 SE	PBS2-246921/Active PBS
634	Howard Schneider	136 E 208 St	Bronx NY 10467	0.59 SE	PBS2-116947/Active PBS
761	Viscam Realty Corp.	3525 Perry Ave	Bronx NY 10467	0.59 SE	PBS2-205974/Active PBS
554	Amoco Service Station #169	3276 Jerome Ave	Bronx NY 10468	0.59 SW	PBS2-337544/Active PBS
555	Amoco Service Station	1 E 233rd St	Bronx NY 10470	0.60 NE	PBS2-017310/Active PBS
653	John Dillon	95 E Mosholu Pkwy N	Bronx NY 10467	0.60 SW	PBS2-276936/Active PBS
719	Reservoir Pl Realty Corp	300 Reservoir Place	Bronx NY 10467	0.61 SE	PBS2-107093/Active PBS
724	Risse St Triangle	2 East Mosholu Pkwy S	Bronx NY 10458	0.61 SW	PBS2-601860/Unregulated
467	3502 Hull Ave	3502 Hull Ave	Bronx NY 10467	0.62 SE	PBS2-042978/Active PBS
477	Hull Ave Apartment Bldg	3524 Hull Ave	Bronx NY 10467	0.62 SE	PBS2-193704/Active PBS
329	111 E Moshow Corp	111 Mosholu Pkwy	Bronx NY 10467	0.62 SW	PBS2-362689/Active PBS
435	3280 Realty Corp.	3280 Rochambeau Ave.	Bronx NY 10467	0.62 SW	PBS2-605894/Active PBS
713	Public School 95	3961 Hillman Ave.	Bronx NY 10463	0.62 SW	PBS2-604203/Active PBS
601	Del Realty Co	3265 Bainbridge Ave	Bronx NY 10467	0.63 SE	PBS2-281069/Active PBS
330	115 E. Mosholu Pkwy N	115 E. Mosholu Pkwy N	Bronx NY 10467	0.63 SW	PBS2-605509/Active PBS
423	3220 Steuben Ave	3220 Steuben Ave	Bronx NY 10467	0.63 SW	PBS2-095958/Active PBS
426	3230 Steuben Ave	3230 Steuben Ave	NY, NY 10467	0.63 SW	PBS2-203017/Active PBS
595	Decatur	3539 Decatur Ave	Bronx NY 10467	0.64 SE	PBS2-092312/Active PBS
479	3525 Decatur Ave	3525 Decatur Ave	Bronx NY 10467	0.65 SE	PBS2-219355/Active PBS
480	3525 Decatur Ave	3525 Decatur Ave	Bronx NY 10467	0.65 SE	PBS2-603962/Active PBS
571	Bob-Al Management Corp	3540 Decatur Ave	Bronx NY 10467	0.65 SE	PBS2-247804/Active PBS
519	Gouverneur House Apt House	3971 Gouverneur Ave	Bronx NY 10463	0.65 SW	PBS2-291285/Active PBS
469	3505 Decatur Realty Corp	3505 Decatur Ave	Bronx NY 10467	0.66 SE	PBS2-046914/Active PBS
482	3530 Decatur Ave	3530 Decatur Ave	Bronx NY 10467	0.66 SE	PBS2-319198/Active PBS
445	3336 Perry Ave	3336 Perry Ave	Bronx NY 10467	0.67 SE	PBS2-405639/Active PBS

**TABLE 6.13-6. UNDERGROUND AND ABOVEGROUND STORAGE TANKS**

<b>ID #</b>	<b>Site</b>	<b>Address</b>		<b>Distance (miles)</b>	<b>Regulatory ID/ Status</b>
473	3510 Decatur	3510 Decatur Ave	Bronx NY 10467	0.67 SE	PBS2-362905/Active PBS
679	Mosholu Pkwy Nursing Home	3356 Perry Ave	Bronx NY 10467	0.67 SE	PBS2-256803/Unregulated
723	Rexh Xhakli	3235 Grand Concourse	Bronx NY 10468	0.67 SW	PBS2-219525/Active PBS
746	The Herkimer Exec House	4200 Herkimer Place	Bronx NY 10470	0.68 NE	PBS2-130664/Active PBS
441	3318 Perry Ave	3318 Perry Ave	Bronx NY 10467	0.68 SE	PBS2-359432/Active PBS
733	Sead Realty, Corp.	3312 Perry Ave	Bronx NY 10467	0.68 SE	PBS2-196207/Active PBS
768	Webster Hill Realty Corp	3547 Webster Ave	Bronx NY 10467	0.68 SE	PBS2-293466/Active PBS
518	3951 Gouvernour Ave	3951 Gouvernour Ave	Bronx NY 10463	0.68 SW	PBS2-210625/Active PBS
552	Alret Realty Co. Lp	3320 Reservoir Oval E	Bronx NY 10467	0.69 SE	PBS2-259322/Active PBS
562	Armand Coli/Joan Coli	3522 Webster Ave	Bronx NY 10467	0.69 SE	PBS2-602370/Unregulated
617	Ferney & Hughes 7823	3515 Webster Ave	Bronx NY 10467	0.69 SE	PBS2-188980/Unregulated
764	Walts Auto Repair	3530 Webster Ave	Bronx NY 10467	0.69 SE	PBS2-216429/Active PBS
344	187 Concourse Assoc	3224 Grand Concourse	Bronx NY 10458	0.69 SW	PBS2-206466/Active PBS
687	Norwood Auto Center	150 Van Cortlandt Ave	Bronx NY 10458	0.69 SW	PBS2-603314/Unregulated
752	Tri Star Garage Serv Corp	3230 Jerome Av	Bronx NY 10468	0.69 SW	PBS2-350338/Unregulated
529	Van Cortlandt Park East	4250 Van Cortlandt Pk	Bronx NY 10470	0.70 NE	PBS2-116343/Active PBS
424	3225 Bainbridge Ave	3225 Bainbridge Ave	Bronx NY 10467	0.70 SE	PBS2-600705/Active PBS
448	3349-51 Hull Ave	3349-51 Hull Ave	Bronx NY 10467	0.70 SE	PBS2-160687/Active PBS
635	Hull Equiteis L.L.C.	3339 Hull Ave	NY, NY 10467	0.70 SE	PBS2-325686/Active PBS
661	Lasorsa Buick/Pontiac/Chevy	3510 Webster Ave	Bronx NY 10467	0.70 SE	PBS2-267961/Active PBS
677	Morina Mgt Corp	3288 Reservoir Oval E	Bronx NY 10467	0.70 SE	PBS2-093211/Active PBS
690	Oil Tank	3280 Reservoir Oval E	Bronx NY 10467	0.70 SE	PBS2-205397/Active PBS
548	Van Cortlandt Ave	91 Van Cortlandt W	Bronx NY 10463	0.70 SW	PBS2-253189/Active PBS
693	Oscar Royal	3220 Grand Ave	Bronx NY 10458	0.70 SW	PBS2-151173/Unregulated
419	3215 Bainbridge Ave	3215 Bainbridge Ave	Bronx NY 10467	0.71 SE	PBS2-234869/Active PBS
436	3288-96 Perry Ave	3288-96 Perry Ave	Bronx NY 10467	0.71 SE	PBS2-160679/Active PBS
447	3346-48 Hull L.L.C.	3346 Hull Av	Bronx NY 10467	0.71 SE	PBS2-236683/Active PBS
558	Apartment Building	3307 Hull Ave	Bronx NY 10467	0.71 SE	PBS2-362271/Active PBS
686	Norwest Realty Corp	315 East 209th St	Bronx NY 10467	0.71 SE	PBS2-209023/Active PBS
327	100 Mosholu Pkwy Assoc	100 E Mosholu Pkwy S	Bronx NY 10458	0.71 SW	PBS2-213691/Active PBS
345	19 E. Van Cortlandt Assoc	19 Van Cortlandt E	Bronx NY 10468	0.71 SW	PBS2-243337/Active PBS

**TABLE 6.13-6. UNDERGROUND AND ABOVEGROUND STORAGE TANKS**

<b>ID #</b>	<b>Site</b>	<b>Address</b>		<b>Distance (miles)</b>	<b>Regulatory ID/ Status</b>
550	A.H. Consumers Society Inc	50 Van Cortlandt W	Bronx NY 10463	0.71 SW	PBS2-268224/Active PBS
440	3310/12 Hull Ave	3310/12 Hull Ave	Bronx NY 10467	0.72 SE	PBS2-153702/Active PBS
597	Decatur Ave Co	3366 Decatur Ave	Bronx NY 10467	0.72 SE	PBS2-154857/Active PBS
711	Public School 80/280	149 E Mosholu Pkwy	Bronx NY 10467	0.72 SW	PBS2-604060/Active PBS
412	3191 Rochambeau Assoc	3191 Rochambeau Ave	Bronx NY 10467	0.73 SW	PBS2-062898/Active PBS
414	3201 Grand Concourse	3201 Grand Concourse	Bronx NY 10468	0.73 SW	PBS2-245399/Active PBS
417	3205 Concourse Realty Inc.	3205 Grand Concourse	Bronx NY 10468	0.73 SW	PBS2-600164/Active PBS
553	Amalgamated Hsg Corp	135 Van Cortlandt W	Bronx NY 10463	0.73 SW	PBS2-081078/Active PBS
757	Van Cortlandt Assets	155-165 E Mosholu Pkwy	Bronx NY 10467	0.73 SW	PBS2-602454/Active PBS
758	Van Cortlandt Assets	155-165 E Mosholu Pkwy	Bronx NY 10467	0.73 SW	PBS2-602029/Active PBS
365	245 E 207th St. Operating	245 E 207 St	Bronx NY 10467	0.74 SE	PBS2-297119/Active PBS
443	East 209th St. H.D.F.C.	333-335 East 209th St	Bronx NY 10467	0.74 SE	PBS2-155373/Active PBS
671	Mickey Associates	3371-73 Decatur Ave	Bronx NY 10467	0.74 SE	PBS2-295043/Active PBS
718	Remora Realty Inc	3340 Decatur Ave	Bronx NY 10467	0.74 SE	PBS2-210765/Active PBS
698	Park Reservoir Housing	3915 Orloff Ave	Bronx NY 10463	0.74 SW	PBS2-107336/Active PBS
747	The Park Regency	130 Van Cortland W	Bronx NY 10463	0.74 SW	PBS2-603568/Active PBS
374	277 East 207th St	277 East 207th St	Bronx NY 10467	0.75 SE	PBS2-187054/Active PBS
437	3291 Hull Ave	3291 Hull Ave	Bronx NY 10467	0.75 SE	PBS2-197327/Active PBS
444	3335 Decatur Ave. Corp.	3335 Decatur Ave	Bronx NY 10467	0.75 SE	PBS2-605444/Active PBS
446	3343 Decatur Ave	3343 Decatur Ave	Bronx NY 10467	0.75 SE	PBS2-212008/Active PBS
505	3820-24 Bronx Blvd	3820-24 Bronx Blvd	Bronx NY 10467	0.75 SE	PBS2-160709/Active PBS
506	3830 Bronx Blvd	3830 Bronx Blvd	Bronx NY 10467	0.75 SE	PBS2-160423/Active PBS
596	Decatur Associates	3336 Decatur Ave	Bronx NY 10467	0.75 SE	PBS2-603763/Active PBS
688	Norwood Community Hgs	3347 Decatur Ave	Bronx NY 10467	0.75 SE	PBS2-605550/Active PBS
331	116 E Mosholu Pkwy	116 E Mosholu Pkwy S	Bronx NY 10458	0.75 SW	PBS2-303836/Active PBS
337	Van Cortlandt Ave West	140 Van Cortlandt	Bronx NY 10463	0.75 SW	PBS2-374199/Active PBS
619	Fran Jack Realty Corp	10 Van Cortlandt Av E	Bronx NY 10468	0.75 SW	PBS2-306045/Active PBS
631	Harrison Crescent Owners	3184 Grand Concourse	Bronx NY 10458	0.75 SW	PBS2-405078/Active PBS
650	Jerome Yard	Jerome/Cortlandt Ave	Bronx NY 10468	0.75 SW	PBS2-190217/Active PBS
430	3241 Perry Ave	3241 Perry Ave	Bronx NY 10467	0.76 SE	PBS2-600336/Active PBS
431	3245 Perry Ave. Owners, Inc	3245 Perry Ave	Bronx NY 10467	0.76 SE	PBS2-362492/Active PBS

**TABLE 6.13-6. UNDERGROUND AND ABOVEGROUND STORAGE TANKS**

ID #	Site	Address		Distance (miles)	Regulatory ID/ Status
434	3279-3281 Hull Ave, H.D.F.C.	3279-3281 Hull Ave	Bronx NY 10467	0.76 SE	PBS2-603272/Active PBS
502	3764 Bronx Blvd Assoc	3764 Bronx Boulevard	Bronx NY 10467	0.76 SE	PBS2-247766/Active PBS
503	3780 Bronx Boulevard	3780 Bronx Boulevard	Bronx NY 10467	0.76 SE	PBS2-234877/Active PBS
574	Bronx Blvd Apts	3650 Bronx Blvd	Bronx NY 10467	0.76 SE	PBS2-297976/Active PBS
605	Durco Realty Co	3750 Bronx Blvd	Bronx NY 10467	0.76 SE	PBS2-249947/Active PBS
669	Martin Deda Realty	345 East 209th St	Bronx NY 10467	0.76 SE	PBS2-603210/Active PBS
699	Parkside Devel Inc	3856 Bronx Blvd	Bronx NY 10467	0.76 SE	PBS2-333093/Active PBS
735	St Brendans Convent	260 East 207 St	Bronx NY 10467	0.76 SE	PBS2-346632/Unregulated
740	St. Brendan S School	268 E. 207th St	Bronx NY 10467	0.76 SE	PBS2-605883/Active PBS
343	185 East 206th St	185 E 206th St	Bronx NY 10458	0.76 SW	PBS2-275581/Active PBS
645	Jamil Corp.	3200-04 Rochambeau Av	NY, NY 10467	0.76 SW	PBS2-153974/Active PBS
498	3640 Bronx Blvd	3640 Bronx Blvd	Bronx NY 10467	0.77 SE	PBS2-233811/Active PBS
504	3800 Carpenter Ave.	3800 Carpenter Ave	Bronx NY 10467	0.77 SE	PBS2-605221/Active PBS
589	Copley Apartments	3250 Perry Ave	Bronx NY 10467	0.77 SE	PBS2-234540/Active PBS
670	Mehbro Realty Corp.	3604 Bronx Boulevard	Bronx NY 10467	0.77 SE	PBS2-363081/Active PBS
351	206th Realty	161 East 206th St	Bronx NY 10458	0.77 SW	PBS2-294128/Active PBS
551	Ahmet Celaj	181 East 206th St	Bronx NY 10458	0.77 SW	PBS2-603555/Active PBS
459	344 East 209th St	344 East 209th St	Bronx NY 10467	0.78 SE	PBS2-161519/Active PBS
405	3175 Villa Ave	3175 Villa Ave	Bronx NY 10468	0.78 SW	PBS2-469483/Active PBS
406	3175-77 Villa Ave	3177 Villa Ave	Bronx NY 10468	0.78 SW	PBS2-151068/Active PBS
407	3175-77 Villa Ave Hdfe	3175 Villa Ave #3b	Bronx NY 10468	0.78 SW	PBS2-151203/Active PBS
409	3177 Villa Ave	3177 Villa Ave	Bronx NY 10468	0.78 SW	PBS2-469475/Active PBS
612	Esksbn Corp.	134 E Mosholu Pkwy S	Bronx NY 10458	0.78 SW	PBS2-601602/Active PBS
644	Jamer Realty Co.	190 East 206th St	Bronx NY 10458	0.78 SW	PBS2-265713/Active PBS
732	Scott Tower Housing Co.	3400 Paul Ave	Bronx NY 10468	0.78 SW	PBS2-199109/Active PBS
513	3908 Bronx Blvd.	3908 Bronx Blvd	Bronx NY 10466	0.79 NE	PBS2-235784/Active PBS
401	3162 Realty L.L.C.	3162-66 Bainbridge Ave	Bronx NY 10467	0.79 SE	PBS2-191914/Active PBS
403	3165-71 Rochambeau Ave	3165-71 Rochambeau Av	Bronx NY 10467	0.79 SW	PBS2-600239/Active PBS
410	3182 Rochambeau Ave	3182 Rochambeau Ave	Bronx NY 10467	0.79 SW	PBS2-160644/Active PBS
333	125 East 233rd St	125 East 233rd St	Bronx NY 10470	0.80 NE	PBS2-068829/Active PBS
514	3920 Realty Associates L.L.C.	3920 Bronx Blvd	Bronx NY 10466	0.80 NE	PBS2-265144/Active PBS

**TABLE 6.13-6. UNDERGROUND AND ABOVEGROUND STORAGE TANKS**

<b>ID #</b>	<b>Site</b>	<b>Address</b>		<b>Distance (miles)</b>	<b>Regulatory ID/ Status</b>
528	4216 Oneida Ave	4216 Oneida Ave	Bronx NY 10470	0.80 NE	PBS2-208353/Active PBS
629	Hakija Realty Co	119 East 233rd St	Bronx NY 10470	0.80 NE	PBS2-215953/Active PBS
350	206 Realty Mgt Corp	315 East 206th St	Bronx NY 10467	0.80 SE	PBS2-401412/Active PBS
432	325-327 East 206 St	325-327 East 206 St	Bronx NY 10467	0.80 SE	PBS2-094609/Active PBS
499	365 East 209th St, Hdfe	365 East 209th St	Bronx NY 10467	0.80 SE	PBS2-340847/Active PBS
501	3750 Olinville Ave	3750 Olinville Ave	Bronx NY 10467	0.80 SE	PBS2-605571/Active PBS
576	Bronx Hills Mgmt. Corp.	3534 Bronx Blvd	Bronx NY 10467	0.80 SE	PBS2-235237/Active PBS
376	286 Realty Co	284 E 206th St	Bronx NY 10467	0.81 SE	PBS2-400440/Active PBS
420	3215-17 Hull Ave	3215-17 Hull Ave	Bronx NY 10467	0.81 SE	PBS2-255505/Active PBS
428	3235 Hull Ave	3235 Hull Ave	Bronx NY 10467	0.81 SE	PBS2-605258/Active PBS
500	375 East 209th St	375 East 209th St	Bronx NY 10467	0.81 SE	PBS2-336181/Active PBS
341	165 East 205th St L.L.C.	165 East 205th St	Bronx NY 10458	0.81 SW	PBS2-605266/Active PBS
399	3154-64 Grand Concourse	3154-64 Grand Concourse	Bronx NY 10468	0.81 SW	PBS2-600103/Admin Closed
404	3175 Grand Concourse	3175 Grand Concourse	Bronx NY 10468	0.81 SW	PBS2-116718/Active PBS
626	Grand Realty Corp	3154 Grand Concourse	Bronx NY 10468	0.81 SW	PBS2-238546/Active PBS
649	Jerome Pipe Yard (BWS)	3201 Jerome Ave	Bronx NY 10468	0.81 SW	PBS2-456144/Active PBS
572	Boulevard Arms Apts	3940 Bronx Blvd	Bronx NY 10466	0.82 NE	PBS2-305839/Active PBS
580	Carpenter Realty Co.	3905 Carpenter Ave	Bronx NY 10466	0.82 NE	PBS2-605501/Active PBS
581	Carpenter Realty Co.	3915 Carpenter Ave	Bronx NY 10466	0.82 NE	PBS2-605502/Active PBS
391	312 East 206th St	312 E 206th St	Bronx NY 10467	0.82 SE	PBS2-362735/Active PBS
427	3232 Hull Ave	3232 Hull Ave	Bronx NY 10467	0.82 SE	PBS2-056014/Active PBS
633	Howard Schneider	374 E 209th St	Bronx NY 10467	0.82 SE	PBS2-116939/Active PBS
710	Public School 56	341 East 207th St	Bronx NY 10467	0.82 SE	PBS2-604200/Active PBS
773	Wiltshire Realty Corp	3604 Olinville Ave	Bronx NY 10467	0.82 SE	PBS2-268739/Active PBS
400	3155 Grand Concourse	3155 Grand Concourse	Bronx NY 10468	0.82 SW	PBS2-107891/Active PBS
726	Rochambeau Investors Co	3155 Rochambeau Ave	Bronx NY 10467	0.82 SW	PBS2-362514/Active PBS
398	3150 Rochambeau Ave	3150 Rochambeau Ave	Bronx NY 10467	0.83 SE	PBS2-405205/Active PBS
606	East 220th St Realty Co.	624 E 220 St	Bronx NY 10467	0.83 SE	PBS2-198293/Active PBS
701	Pashko Prekelezaj	3207 Hull Ave	Bronx NY 10467	0.83 SE	PBS2-334707/Unregulated
342	166 East 205th St	166 East 205th St	Bronx NY 10458	0.83 SW	PBS2-322741/Active PBS
395	3131 Grand Concourse Owners	3131 Grand Concourse	Bronx NY 10468	0.83 SW	PBS2-602796/Unregulated

**TABLE 6.13-6. UNDERGROUND AND ABOVEGROUND STORAGE TANKS**

<b>ID #</b>	<b>Site</b>	<b>Address</b>		<b>Distance (miles)</b>	<b>Regulatory ID/ Status</b>
575	Bronx Hs Of Science - X445	75 West 205th St	Bronx NY 10468	0.83 SW	PBS2-352624/Active PBS
700	Pashko Dedaj	178 East 205th St	Bronx NY 10458	0.83 SW	PBS2-187291/Active PBS
754	Triangle Realty- Vilmar	200 East 205 St	Bronx NY 10458	0.83 SW	PBS2-239690/Active PBS
517	3950 Bronx Blvd	3950 Bronx Boulevard	Bronx NY 10466	0.84 NE	PBS2-201235/Active PBS
415	3201-3203 Hull Ave	3201-3203 Hull Ave	Bronx NY 10467	0.84 SE	PBS2-605360/Active PBS
422	3220 Parc, Inc.	3220 Perry Ave	Bronx NY 10467	0.84 SE	PBS2-098582/Active PBS
538	631 East 220th St	631 East 220th St	Bronx NY 10467	0.84 SE	PBS2-328324/Active PBS
708	Polmar Realty Co	635 East 211th St	Bronx NY 10467	0.84 SE	PBS2-198803/Active PBS
356	225-27 E Mosholu Pkwy N	225-27 E Mosholu Pkwy	Bronx NY 10467	0.84 SW	PBS2-362832/Active PBS
394	3130 Gr Concourse Assoc	3130 Grand Concourse	Bronx NY 10458	0.84 SW	PBS2-096962/Active PBS
512	3890 Sedgwick Ave.	3890 Sedgwick Ave	Bronx NY 10463	0.84 SW	PBS2-605589/Active PBS
583	Ceo Realty Co	3145 Rochambeau Ave	Bronx NY 10467	0.84 SW	PBS2-201588/Active PBS
515	3929 Carpenter Ave	3929 Carpenter Ave	Bronx NY 10466	0.85 NE	PBS2-216801/Active PBS
392	3120 Bainbridge Ave	3120 Bainbridge Ave	Bronx NY 10467	0.85 SE	PBS2-602255/Active PBS
433	3264 Decater Ave	3264 Decater Ave	Bronx NY 10467	0.85 SE	PBS2-606028/Active PBS
450	340 E 207th Operating Corp	340 E 207th St	Bronx NY 10467	0.85 SE	PBS2-149764/Active PBS
487	3560 Olinville Ave	3560 Olinville Ave	Bronx NY 10467	0.85 SE	PBS2-318302/Active PBS
654	Joremi Enterprises Inc	3273 Parkside Place	Bronx NY 10467	0.85 SE	PBS2-362824/Active PBS
664	Lindville Housing Co	3555 Olinville Ave	Bronx NY 10467	0.85 SE	PBS2-117609/Active PBS
706	Perry Ave Associates	3210 Perry Ave	Bronx NY 10467	0.85 SE	PBS2-257389/Active PBS
770	Willett Realty Corp.	3617 Willett Ave	Bronx NY 10467	0.85 SE	PBS2-605670/Active PBS
771	Willett Realty Corp.	3619 Willett Ave	Bronx NY 10467	0.85 SE	PBS2-605669/Active PBS
396	3133 Rochambeau Ave	3133 Rochambeau Ave	NY, NY 10467	0.85 SW	PBS2-083917/Active PBS
508	3871 Sedgwick Ave	3871 Sedgwick Ave	Bronx NY 10463	0.85 SW	PBS2-256854/Admin Closed
509	3871 Village Court Assoc	3871 Sedgwick Ave	Bronx NY 10463	0.85 SW	PBS2-600747/Active PBS
510	3873 Orloff Ave	3873 Orloff Ave	Bronx NY 10463	0.85 SW	PBS2-064440/Active PBS
511	3881 Associates L.L.C.	3881 Sedgwick Ave	NY, NY 10463	0.85 SW	PBS2-325554/Active PBS
516	3940 Carpenter Ave	3940 Carpenter Ave	Bronx NY 10466	0.86 NE	PBS2-601475/Active PBS
582	Casablanca Realty Corp	3940 Carpenter Ave	Bronx NY 10466	0.86 NE	PBS2-319627/Active PBS
390	3110 Bainbridge Realty	3110 Bainbridge Ave	Bronx NY 10467	0.86 SE	PBS2-065242/Active PBS
611	Ernest Endrich	630 East 221st St	Bronx NY 10467	0.86 SE	PBS2-328863/Active PBS



**TABLE 6.13-6. UNDERGROUND AND ABOVEGROUND STORAGE TANKS**

ID #	Site	Address		Distance (miles)	Regulatory ID/ Status
657	K & J Management	3242 Decatur Ave	Bronx NY 10467	0.86 SE	PBS2-403393/Active PBS
776	Zef Palushaj	350 E 207th St	Bronx NY 10467	0.86 SE	PBS2-269212/Active PBS
362	239 East Mosholu Pkwy	239 E Mosholu Pkwy N	Bronx NY 10467	0.86 SW	PBS2-187518/Active PBS
363	241 E M P U Assoc	241 E Mosholu Pkwy N	Bronx NY 10467	0.86 SW	PBS2-363286/Admin Closed
364	241 E. Mosholu Pkwy.	241 E. Mosholu Pkwy.	Bronx NY 10467	0.86 SW	PBS2-603965/Active PBS
639	Independence Apts Co	3855 Orloff Ave	NY, NY 10463	0.86 SW	PBS2-212571/Active PBS
648	Jerome Park Reservoir	205 St/ Goulden Ave	Bronx NY 10468	0.86 SW	CBS2-000259/Active
696	Park Circle Apts	3990 Bronx Blvd	Bronx NY 10466	0.87 NE	PBS2-322261/Active PBS
411	3190 Hull Av	3190 Hull Av	Bronx NY 10467	0.87 SE	PBS2-046663/Active PBS
413	3195 Hull L.L.C.	3195 Hull Ave	Bronx NY 10467	0.87 SE	PBS2-605265/Active PBS
569	Besmar Realty	281 East 205 St	Bronx NY 10469	0.87 SE	PBS2-321311/Active PBS
630	Hameed Quraishi & Nayeem	3520 Olinville Ave	Bronx NY 10467	0.87 SE	PBS2-155500/Active PBS
766	Wanda Gee Ombres	373 East 207 St	Bronx NY 10467	0.87 SE	PBS2-403865/Unregulated
348	190 Mosholu Pkwy South	190 W Mosholu Pkwy	Bronx NY 10458	0.87 SW	PBS2-274313/Active PBS
397	3133 Villa Ave	3133 Villa Ave	Bronx NY 10468	0.87 SW	PBS2-600016/Active PBS
681	Mutual Housing	3850 Sedgwick Ave	Bronx NY 10463	0.87 SW	PBS2-605617/Active PBS
418	3212 Decator Ave	3212 Decatur Ave	Bronx NY 10467	0.88 SE	PBS2-089915/Active PBS
750	Tosco # 2634793	641 East Gun Hill Rd	Bronx NY 10467	0.88 SE	PBS2-188433/Active PBS
507	3840 Orloff Ave Realty	3840 Orloff Ave	Bronx NY 10463	0.88 SW	PBS2-602087/Active PBS
527	412 Realty Co	3149-53 Perry Ave	Bronx NY 10467	0.89 SE	PBS2-400467/Active PBS
741	Stanburt Realty Co	664 E 213th St	Bronx NY 10467	0.89 SE	PBS2-279714/Active PBS
355	220 East 204th St	220 East 204th St	Bronx NY 10458	0.89 SW	PBS2-600618/Active PBS
520	3975 Carpenter Ave	3975 Carpenter Ave	Bronx NY 10466	0.90 NE	PBS2-605203/Active PBS
530	4320 Van Cortlandt Park Owners	4320 Van Cortlandt Park E	Bronx NY 10470	0.90 NE	PBS2-249130/Active PBS
449	335 East 205th St	335 East 205th St	Bronx NY 10467	0.90 SE	PBS2-056553/Active PBS
563	Avni Realty. L.L.C	3200 Decatur Ave	Bronx NY 10467	0.90 SE	PBS2-046221/Active PBS
663	Leo Realty Management	3156-58 Perry Ave	Bronx NY 10467	0.90 SE	PBS2-195839/Active PBS
716	Rec Realty Corporation	346 East 205th St	Bronx NY 10467	0.90 SE	PBS2-219282/Active PBS
727	Rolin Realty Co.	3195 Decatur Ave	Bronx NY 10467	0.90 SE	PBS2-288861/Active PBS
744	Church Of Holy Nativity	3061 Bainbridge Ave	Bronx NY 10467	0.90 SE	PBS2-606937/Active PBS
349	200 E Mosholu Pkwy S	200 E Mosholu Pkwy S	Bronx NY 10458	0.90 SW	PBS2-063150/Active PBS

**TABLE 6.13-6. UNDERGROUND AND ABOVEGROUND STORAGE TANKS**

<b>ID #</b>	<b>Site</b>	<b>Address</b>		<b>Distance (miles)</b>	<b>Regulatory ID/ Status</b>
692	Orloff Towers Inc	3900 Bailey Ave	Bronx NY 10463	0.90 SW	PBS2-233498/Active PBS
539	636 East 224th St	636 East 224th St	Bronx NY 10466	0.91 NE	PBS2-457183/Active PBS
607	East 223 Realty Co. L.L.C.	655 E 223 St	Bronx NY 10466	0.91 NE	PBS2-198315/Active PBS
743	Terry S Auto Service	235 East 233rd St	Bronx NY 10470	0.91 NE	PBS2-600802/Unregulated
775	Z & K Holding, Inc.	633 East 224 St	Bronx NY 10466	0.91 NE	PBS2-602929/Active PBS
389	311 Realty Co	3136 Perry Ave	Bronx NY 10467	0.91 SE	PBS2-215945/Active PBS
429	3235 Realty L.L.C.	3235 Parkside Place	Bronx NY 10467	0.91 SE	PBS2-605401/Active PBS
614	Exxon Mobil S/S #17-K4y	688 E Gun Hill Rd	Bronx NY 10467	0.91 SE	PBS2-156264/Active PBS
385	3065 Concourse Associates	3065 Grand Concourse	Bronx NY 10468	0.91 SW	PBS2-329622/Active PBS
641	J. Realty Corporation	3044 Valentine Ave	Bronx NY 10458	0.91 SW	PBS2-605352/Active PBS
425	3225 Parkside Place	3225 Parkside Place	Bronx NY 10467	0.92 SE	PBS2-063460/Active PBS
665	M. B. Kings Realty Corp.	334 E. 205th St	Bronx NY 10467	0.92 SE	PBS2-602869/Active PBS
358	227 East 203 St	227 East 203 St	Bronx NY 10458	0.92 SW	PBS2-346128/Active PBS
382	3045 Grand Concourse	3045 Grand Concourse	Bronx NY 10468	0.92 SW	PBS2-211737/Active PBS
384	3050 Grand Concourse	3050 Grand Concourse	NY, NY 10458	0.92 SW	PBS2-317306/Active PBS
697	Park Reservoir Housing	3840 Cannon Pl	Bronx NY 10463	0.92 SW	PBS2-107328/Active PBS
777	Zepa Realty Co.	3836 Bailey Ave	Bronx NY 10463	0.92 SW	PBS2-605162/Active PBS
522	4030 Bronx Blvd	4030 Bronx Blvd	Bronx NY 10466	0.93 NE	PBS2-160717/Active PBS
717	Regina Properties	654 E 224th St	Bronx NY 10466	0.93 NE	PBS2-274259/Active PBS
545	684 East 222nd Realty Co.	684 East 222nd St	Bronx NY 10467	0.93 SE	PBS2-603258/Active PBS
592	Crawford Memorial United Methodist Church	3757 White Plains Rd	Bronx NY 10467	0.93 SE	PBS2-145440/Active PBS
668	Maria Vasilakis	3152 Hull Ave	Bronx NY 10467	0.93 SE	PBS2-605325/Active PBS
734	Sparrow Construction	3743 White Plains Rd	Bronx NY 10467	0.93 SE	PBS2-064602/Unregulated
335	135 W. 238th St	135 West 238th St	Bronx NY 10463	0.93 SW	PBS2-604206/Active PBS
377	2910 Realty Co	3810-20 Bailey Ave	Bronx NY 10463	0.93 SW	PBS2-216070/Active PBS
547	75 West 238th St Owners	75 West 238th St	Bronx NY 10463	0.93 SW	PBS2-208272/Active PBS
565	Bailav Realty Corp.	3822-34 Bailey Ave	Bronx NY 10463	0.93 SW	PBS2-605195/Active PBS
646	Jar Auto Rental, Inc.	3410 Bailey Ave	Bronx NY 10463	0.93 SW	PBS2-356816/Unregulated
658	Karen E Demarest C/O Jh Taylor	279 East 203rd St	Bronx NY 10458	0.93 SW	PBS2-249394/Active PBS
689	Oil Tank	3050-52 Bainbridge Ave	Bronx NY 10467	0.93 SW	PBS2-093947/Active PBS

**TABLE 6.13-6. UNDERGROUND AND ABOVEGROUND STORAGE TANKS**

<b>ID #</b>	<b>Site</b>	<b>Address</b>		<b>Distance (miles)</b>	<b>Regulatory ID/ Status</b>
523	4040 Bronx Boulevard	4040 Bronx Blvd	Bronx NY 10467	0.94 NE	PBS2-605430/Active PBS
632	Hess 32519	285 E 233rd St	Bronx NY 10470	0.94 NE	PBS2-297488/Active PBS
703	Paum Sales Corp	4002 Carpenter Ave	Bronx NY 10466	0.94 NE	PBS2-316792/Active PBS
371	254 E 203 St	254 E 203 St	Bronx NY 10458	0.94 SW	PBS2-198498/Active PBS
667	Manoma Realty Mgmt Co	216 East 203rd St	Bronx NY 10458	0.94 SW	PBS2-159875/Active PBS
682	Naret Realty Company	226 East 203rd St	Bronx NY 10458	0.94 SW	PBS2-097845/Active PBS
742	Sunflower Property Corp	3804 Bailey Ave #E1	Bronx NY 10463	0.94 SW	PBS2-245925/Active PBS
760	Villa Associates	3081 Villa Ave	Bronx NY 10468	0.94 SW	PBS2-070041/Active PBS
543	666 Holding L.L.C.	666 E 224 St	Bronx NY 10466	0.95 NE	PBS2-291838/Active PBS
705	Paum Sales Corp	4016 Carpenter Ave	Bronx NY 10466	0.95 NE	PBS2-148830/Active PBS
494	3578 White Plains Rd	3578 White Plains Rd	Bronx NY 10467	0.95 SE	PBS2-062316/Active PBS
579	C R & S Construction Co Inc	375 E 205 St	Bronx NY 10467	0.95 SE	PBS2-091944/Active PBS
361	238th St Associates L.L.C.	114 West 238th St	Bronx NY 10463	0.95 SW	PBS2-605901/Active PBS
380	3030 Associates	3030 Valentine Ave	Bronx NY 10458	0.95 SW	PBS2-214663/Active PBS
381	3034 Grand Concourse	3034 Grand Concourse	Bronx NY 10458	0.95 SW	PBS2-605309/Active PBS
588	Concourse Yard	3119 Jerome Ave	Bronx NY 10468	0.95 SW	PBS2-190330/Active PBS
652	Jms Realty Mgmt. L.L.C	181-83 West 238th St	Bronx NY 10463	0.95 SW	PBS2-242284/Active PBS
715	R&R Decatur/Briggs, L.L.C	3029 Briggs Ave	Bronx NY 10458	0.95 SW	PBS2-331732/Active PBS
557	Apartment Bldg	283 East 234 St	Bronx NY 10470	0.96 NE	PBS2-161136/Active PBS
642	J.J.A. Holding Corp.	4313 Kepler Ave	Bronx NY 10470	0.96 NE	PBS2-404101/Active PBS
736	St Mary S Church	650 East 226 St	Bronx NY 10466	0.96 NE	PBS2-402273/Active PBS
393	3120 Hull Realty Corp.	3120 Hull Ave	Bronx NY 10467	0.96 SE	PBS2-359386/Active PBS
402	3165 Decatur Ave	3165 Decatur Ave	Bronx NY 10467	0.96 SE	PBS2-083909/Active PBS
408	3176 Decatur Owners Corp.	3176 Decatur Ave	Bronx NY 10467	0.96 SE	PBS2-362565/Active PBS
627	Gun Hill Comfort Station	E Gun Hill/White Plains Rd	Bronx NY 10467	0.96 SE	PBS2-604967/Active PBS
730	S. V. C. Contracting Corp	376 East 205 St	Bronx NY 10467	0.96 SE	PBS2-602278/Active PBS
769	White Plains Holding Corp.	3525 White Plains Rd	Bronx NY 10467	0.96 SE	PBS2-248770/Subpart 360-14
338	140 West 238 St	140 West 238th St	Bronx NY 10463	0.96 SW	PBS2-235083/Active PBS
387	309 E Mosholu Pkwy N	309 E Mosholu Pkwy N	Bronx NY 10467	0.96 SW	PBS2-346098/Active PBS
738	St Philip Neri School	3031 Grand Concourse	Bronx NY 10468	0.96 SW	PBS2-063258/Active PBS
762	Visitation (R.C.) School	171 West 239th St	Bronx NY 10463	0.96 SW	PBS2-454885/Active PBS

**TABLE 6.13-6. UNDERGROUND AND ABOVEGROUND STORAGE TANKS**

<b>ID #</b>	<b>Site</b>	<b>Address</b>		<b>Distance (miles)</b>	<b>Regulatory ID/ Status</b>
521	4026 Carpenter Ave	4026 Carpenter Ave	Bronx NY 10466	0.97 NE	PBS2-206202/Active PBS
526	4064 Realty Co	4064 Bronx Blvd	Bronx NY 10466	0.97 NE	PBS2-215694/Active PBS
608	East 224th St Realty Co.	680 East 224 St	Bronx NY 10466	0.97 NE	PBS2-266639/Active PBS
535	6063-65 Broadway Corp	6063-65 Broadway	Bronx NY 10471	0.97 NW	PBS2-130745/Active PBS
536	6125 Broadway Corp	6125 Broadway	Bronx NY 10471	0.97 NW	PBS2-276987/Active PBS
537	6141 Broadway	6141 Broadway	Bronx NY 10471	0.97 NW	PBS2-374016/Active PBS
578	Burger King	6007 Broadway	Bronx NY 10463	0.97 NW	PBS2-604596/Active PBS
615	Exxon Mobil S/S 17-Kt1	6161 Broadway	Bronx NY 10471	0.97 NW	PBS2-156442/Active PBS
745	The Fieldston	6035 Broadway	Bronx NY 10471	0.97 NW	PBS2-345377/Active PBS
765	Wan Soo Kim	6025-29 Broadway	Bronx NY 10471	0.97 NW	PBS2-209589/Active PBS
352	207 East 202nd St	207 East 202nd St	Bronx NY 10458	0.97 SW	PBS2-198021/Active PBS
379	3021 Briggs Ave	3021 Briggs Ave	Bronx NY 10458	0.97 SW	PBS2-605255/Active PBS
590	Cornelius Courtney	235 East 202 St	Bronx NY 10458	0.97 SW	PBS2-235180/Active PBS
685	North West L.L.C.	225 East 202nd St	Bronx NY 10458	0.97 SW	PBS2-205664/Active PBS
737	St Philip Neri Rectory	3025 Grand Concourse	Bronx NY 10468	0.97 SW	PBS2-063266/Active PBS
739	St Philip Nevi Church	3025 Grand Concourse	Bronx NY 10468	0.97 SW	PBS2-063274/Active PBS
753	Triangle Realty - Vilcorn	3043-45 Villa Ave	Bronx NY 10468	0.97 SW	PBS2-239682/Active PBS
328	104 Realty, L.L.C	4038-4044 Carpenter Av	Bronx NY 10466	0.98 NE	PBS2-601707/Active PBS
544	674-78 East 225th St	674-78 East 225th St	Bronx NY 10466	0.98 NE	PBS2-279218/Active PBS
659	King Boar Firestone	341 East 233rd St	Bronx NY 10470	0.98 NE	PBS2-603373/Subpart 360-14
748	Woodlawn Cem Service	329 East 233rd St	Bronx NY 10470	0.98 NE	PBS2-109797/Admin Closed
584	Christian Brothers Center	4415 Post Road	Bronx NY 10471	0.98 NW	PBS2-606432/Unregulated
756	Van Cortlandt Pool	242 St. & Broadway	Bronx NY 10471	0.98 NW	CBS2-000143/Active
438	330 East 204th St	330 East 204th St	Bronx NY 10467	0.98 SE	PBS2-116254/Active PBS
625	GP Gas Station	3210 Webster Ave.	Bronx NY 10467	0.98 SE	PBS2-600811/Active PBS
707	Philip Minoff	3050 Perry Av	NY, NY 10467	0.98 SE	PBS2-316199/Active PBS
370	254 E 202 St	254 E 202 St	Bronx NY 10458	0.98 SW	PBS2-198501/Active PBS
366	245 East 236th St	245 East 236th St	Bronx NY 10470	0.99 NE	PBS2-605929/Active PBS
369	251 East 236th St	251 East 236th St	Bronx NY 10470	0.99 NE	PBS2-318078/Active PBS
524	4040 Carpenter Ave Assoc	4044 Carpenter Ave	Bronx NY 10466	0.99 NE	PBS2-363294/Active PBS
541	654 East 227th St	654 East 227th St	Bronx NY 10466	0.99 NE	PBS2-047600/Active PBS

**TABLE 6.13-6. UNDERGROUND AND ABOVEGROUND STORAGE TANKS**

<b>ID #</b>	<b>Site</b>	<b>Address</b>		<b>Distance (miles)</b>	<b>Regulatory ID/ Status</b>
704	Paum Sales Corp	4055 Carpenter Ave	Bronx NY 10466	0.99 NE	PBS2-328081/Active PBS
532	4445 Post Owners Ltd	4445 Post Rd	Ny 10471	0.99 NW	PBS2-272833/Active PBS
573	Broadway Gulf Inc.	5959 Broadway	Bronx NY 10463	0.99 NW	PBS2-097225/Active PBS
359	234 Realty Co	3144 Decatur Ave	Bronx NY 10467	0.99 SE	PBS2-319449/Active PBS
772	Williams Bridge Post Off	711 East Gun Hill Rd	Bronx NY 10467	0.99 SE	PBS2-476102/Admin Closed
378	3013 Realty Co	3013 Valentine Ave	Bronx NY 10458	0.99 SW	PBS2-323381/Active PBS
695	Parc Grand Realty Co.	3010 Grand Concourse	Bronx NY 10458	0.99 SW	PBS2-259810/Active PBS
759	Vancort Realty Co	180 Van Cortlandt Pkwy	Bronx NY 10463	0.99 SW	PBS2-202460/Active PBS
525	4054 Carpenter Ave	4054 Carpenter Ave	Bronx NY 10466	1.00 NE	PBS2-601392/Active PBS
546	685 East 225 St	685 East 225 St	Bronx NY 10466	1.00 NE	PBS2-215228/Active PBS
763	Wakefield Court Corp	4065 Carpenter Ave	Bronx NY 10466	1.00 NE	PBS2-057584/Active PBS
357	226 West 242 St.	226 West 242 St	Bronx NY 10463	1.00 NW	PBS2-603613/Active PBS
624	Gotham Investors	215 W. 242nd St	NY 10471	1.00 NW	PBS2-150274/Active PBS
691	Olinbark Realty Co. Inc.	4660 Manhattan Coll Pkwy	Bronx NY 10471	1.00 NW	PBS2-403970/Active PBS
386	3080 Hull Ave	3080 Hull Ave	Bronx NY 10467	1.00 SE	PBS2-213187/Active PBS
749	Three Mosholu Realty Co	323 Mosholu Pkwy	Bronx NY 10467	1.00 SE	PBS2-322253/Active PBS
610	Elstan Associates	3010 Valentine Ave	Bronx NY 10458	1.00 SW	PBS2-212474/Active PBS
621	Giles Place Co	3435 Giles Place	Bronx NY 10463	1.00 SW	PBS2-108170/Active PBS
638	Independence Apts Co	3489 Ft Independence	Bronx NY 10463	1.00 SW	PBS2-279625/Active PBS
872	3091 Realty Corp	3091 Realty Corp	Bronx NY 10467	NON GC	PBS2-321834/Active PBS
873	US Postal Service	711 Gun Hill Rd	Bronx NY 10467	NON GC	PBS2-604658/Active PBS

NYSDEC Inactive Hazardous Waste Disposal Sites. There are no NYSDEC hazardous material or waste disposal sites within one-mile of the water treatment plant site.

EPA's Facility Index System (FINDS) Database Sites. This is the USEPA database of all programs (e.g., air, water, hazardous waste) and identification numbers for a given facility. The FINDS database includes the National Compliance Data Base System (NCDB) that tracks regional compliance and enforcement activity and the Permit Compliance System (PCS) that is a computerized database of water discharge permits.

The review of environmentally regulated sites identified eight sites tracked by the FINDS database system within one-mile of the water treatment plant site. All eight of these sites have been previously listed in one or more of the environmental regulatory programs described above.

Nuclear Permitted Sites. These are facilities that are permitted to handle radioactive materials. There are no facilities permitted to handle nuclear materials within one-mile of the water treatment plant site.

#### ***6.13.2.1.3. On-Site Reconnaissance***

***Visual.*** The water treatment plant site is located in Van Cortlandt Park and generally consists of grass, trees, paths, roadways, and structures associated with the golf course and the adjacent parkland. Additional detail pertaining to Natural Resources in the area is presented in Section 6.14, Natural Resources. Based on visual observations, there was no indication (e.g., staining, distressed vegetation, waste debris) that hazardous materials have impacted surficial soils or vegetation on the water treatment plant site.

Extensive residential, commercial, and institutional development borders the water treatment plant site particularly to the south and east. Although there were no visual indication of severe environmental contamination problems (e.g., site closure or remediation due to hazardous materials) near the water treatment plant site, land use practices in the area involved the use and storage of hazardous materials which may have resulted in accidental releases to the environment.

#### ***Environmental Quality.***

Soil. To properly evaluate the subsurface strata for the design of the proposed water treatment plant at the Mosholu Site, a subsurface investigation program was initiated in January 1999. The investigation program consisted of 51 test borings, 35 air-track borings, and 10 test pits. The results of the investigation have been evaluated and are contained in a Geotechnical Design Report with appendices that include Test Boring Logs, Air-Track Boring Logs, Test Pit Logs, Oriented Core Measurements, Piezometer and Monitoring Well Logs and Well Level Readings, Falling Head Test Data, Packer Test Data, Slug Test Data, Laboratory Soil and Rock Test Results, and Groundwater Quality Analysis Results. Although the 1999 geotechnical investigation was designed to gather specific geological data for construction design applications, observations noted during the progress of the work did not suggest the potential presence (e.g., odor, color, debris) of contaminants in the soil and groundwater.

In February 2004, an investigation was performed to further evaluate the quality of the soil in the area to be excavated for the proposed water treatment plant. Near the four corners and the center of the proposed site, a total of five soil borings were advanced to bedrock, which was from 5 to 28 feet below the surface. Soil samples were collected and analyzed for target analyte list metals, volatile and semi-volatile organic compounds, gasoline and diesel range total petroleum hydrocarbons (TPH), pesticides, and PCBs. The results are summarized in Table 6.13-7. For a map showing sampling locations refer to Appendix E.

**TABLE 6.13-7. TESTING DATA FOR SOIL WITHIN THE FOOTPRINT OF THE PROPOSED WATER TREATMENT PLANT**

Parameter	Soil Sample					TAGM Cleanup Objective	Eastern USA Background
	S-1 (056)	S-2 (057)	S-3 (058)	S-4 (059)	S-5 (060)		
Target Analyte List Metals (mg/Kg)							
Aluminum	10300	14400	6510	9560	7720	SB	33000
Antimony	<0.48	<0.48	<0.48	<0.49	<0.46	SB	NA
Arsenic	4.5	3.8	3.0	3.4	4.2	7.5 or SB	3-12
Barium	66.9	115	45.2	93.8	81.3	300 or SB	15-600
Beryllium	0.30	0.35	0.19	0.30	0.24	0.16 or SB	0-1.75
Cadmium	<0.07	<0.07	<0.07	<0.07	<0.07	1 or SB	0.1-1
Calcium	1010	989	4730	1500	4190	SB	130-35000
Chromium	25.5	46.2	18.3	43.0	23.0	10 or SB	1.5-40
Cobalt	7.7	10.7	6.4	8.3	7.8	30 or SB	2.5-60
Copper	20.0	23.0	16.7	17.5	16.8	25 or SB	1-50
Iron	14500	19700	10200	18600	12600	2000 or SB	2000-550k
Lead	17.8	12.7	12.0	14.6	21.4	SB	NA
Magnesium	3580	5170	3990	4880	3160	SB	100-5000
Manganese	295	366	240	222	266	SB	50-5000
Mercury	0.03	0.03	<0.01	0.05	0.03	0.1	0.001-0.2
Nickel	18.3	22.8	14.3	32.2	16.4	13 or SB	0.5-25
Potassium	1530	2670	1100	2150	1290	SB	8500-43k
Selenium	<0.44	<0.45	<0.44	<0.46	<0.44	2 or SB	0.1-3.9
Silver	<0.10	<0.10	<0.10	<0.10	<0.10	SB	NA
Sodium	<38.3	<38.6	72.2	64.0	51.7	SB	6000-8000
Thallium	<0.91	<0.92	<0.91	<0.94	<0.89	SB	NA
Vanadium	31.7	54.3	21.6	39.0	26.6	150 or SB	1-300
Zinc	46.2	65.9	27.8	46.6	42.0	20 or SB	9-50
Volatile Organics (µg/Kg)							
Acetone	ND	ND	ND	31	ND	200	NA
Ethylbenzene	ND	ND	ND	25	ND	5500	NA
Styrene	ND	ND	ND	170	ND	NA	NA
Semi-volatile Organics (µg/Kg)							
Fluoranthene	<33	<33	<33	<34	43	50000	NA
Pyrene	<33	<33	<33	<34	42	50000	NA
bis(2-Ethylhexyl) phthalate	140	55	57	<34	49	50000	NA
Pesticides & PCBs	ND	ND	ND	ND	ND	NA	NA

**TABLE 6.13-7. TESTING DATA FOR SOIL WITHIN THE FOOTPRINT OF THE  
PROPOSED WATER TREATMENT PLANT**

Parameter	Soil Sample					TAGM Cleanup Objective	Eastern USA Background
	S-1 (056)	S-2 (057)	S-3 (058)	S-4 (059)	S-5 (060)		
(µg/Kg)							
<b>Diesel TPH (mg/Kg)</b>	ND	ND	ND	ND	ND	NA	NA
<b>Gasoline TPH (µg/Kg)</b>	ND	ND	ND	ND	ND	NA	NA

**Notes:** TAGM = NYSDEC Technical and Administrative Guidance Memorandum #4046; SB = site background, NA = Not Applicable, ND = not detected, **BOLD** = exceeds TAGM criteria

The testing results indicate that the soil in the area to be excavated for the proposed water treatment plant may have been slightly impacted by naturally occurring sources and contaminants from anthropogenic origins. The concentrations of several metals in the soil, including beryllium, chromium, iron, nickel, and zinc exceed recommended soil cleanup objectives as described in NYSDEC Technical and Administrative Guidance Memorandum #4046. Based on the relatively uniform distribution of these metals in the soil and the background levels typical for the Eastern United States, it is likely that the levels are attributable to elevated local or site background conditions rather than inputs from industrial waste or metals-bearing residues such as coal ash.

The trace levels of volatile and semi-volatile organic compounds detected at the site were not widespread and were only found at two locations (S-4, S-5). It is likely that these organics are not naturally occurring. The polynuclear aromatic hydrocarbons such as, fluoranthene, pyrene, and ethylbenzene may be related to residues from the spillage of petroleum fuels (e.g., diesel) or the deposition of tar-related wastes (e.g., coal tar, roofing tar, roadway paving materials). Styrene and bis(2-ethylhexyl)phthalate may be present in the soil from residues associated with the use or disposal of plastic products. A plastic resin or solvent-like odor was observed at the location (S-4) where the soil sample containing styrene was collected. Alternatively, bis(2-ethylhexyl)phthalate is a relatively common cross-contaminant that may have been inadvertently introduced during sample collection or analytical processes. Acetone was detected in one soil sample (S-4) and was probably due to a laboratory contaminant.

Based upon these data, it is not expected that the metals and organics present in the soil in the area to be excavated for the water treatment plant are sufficiently concentrated to warrant concern for construction workers, the general public, or the disposal of excavated materials.

In March 2004, surficial soil samples were collected in the vicinity of the existing maintenance sheds at the Mosholu Golf Course to characterize potential impacts associated with the release of hazardous materials from the use and storage golf course maintenance equipment and chemicals. The maintenance sheds are located northwest of the area that would be excavated for the water treatment plant and may be disturbed for use as a supply or equipment storage area. Five surficial (0 – 2 feet) soil samples were collected around the outside of the two sheds and analyzed for target analyte list metals, volatile and semi-volatile organic compounds, gasoline and diesel range total petroleum hydrocarbons (TPH), pesticides, and PCBs. Table 6.13-8



provides a summary of the testing results for the soil in the vicinity of the existing maintenance sheds.

**TABLE 6.13-8. SUMMARY OF TESTING DATA FOR SURFICIAL SOIL NEAR THE EXISTING GOLF COURSE MAINTENANCE SHEDS**

Parameter	Soil Sample					TAGM Cleanup Objective	Eastern USA Background
	S-6 (061)	S-7 (062)	S-8 (063)	S-9 (064)	S-10 (065)		
Target Analyte List Metals (mg/Kg)							
Aluminum	11800	5870	12500	11000	8390	SB	33000
Antimony	0.88	0.8	0.43	0.97	0.59	SB	NA
Arsenic	14.4	12.1	11.3	34.4	12.4	7.5 or SB	3-12
Barium	109	115	107	144	77.3	300 or SB	15-600
Beryllium	0.5	0.27	0.59	0.49	0.38	0.16 or SB	0-1.75
Cadmium	1.7	1.2	0.77	1.5	0.84	1 or SB	0.1-1
Calcium	2490	19900	2000	3440	2820	SB	130-35k
Chromium	33.9	22.7	27.8	34.2	20.8	10 or SB	1.5-40
Cobalt	6.3	5.1	6.4	6.8	5.5	30 or SB	2.5-60
Copper	24.8	45.4	32.5	33.2	17.8	25 or SB	1-50
Iron	13800	14000	13300	14400	12900	2000 or SB	2000-550k
Lead	84	147	188	265	128	SB	NA
Magnesium	2500	8220	2390	2500	2540	SB	100-5000
Manganese	424	294	688	439	319	SB	50-5000
Mercury	0.85	0.27	1.4	2.6	0.51	0.1	0.001-0.2
Nickel	15	14.6	15.3	15.9	13.6	13 or SB	0.5-25
Potassium	621	1200	776	605	545	SB	8500-43k
Selenium	0.41	0.37	1.1	0.65	0.11	2 or SB	0.1-3.9
Silver	0.32	<0.03	0.54	<0.03	<0.02	SB	NA
Sodium	<9.1	199	110	135	54	SB	6000-8000
Thallium	0.54	<0.27	<0.23	<0.23	0.22	SB	NA
Vanadium	25.4	20.2	41.8	28.2	20.1	150 or SB	1-300
Zinc	74.7	164	111	208	77.4	20 or SB	9-50
Volatile Organics (µg/Kg)	ND	ND	ND	ND	ND	NA	NA
Semi-volatile Organics (µg/Kg)							
Acenaphthylene	<48	<120	<51	580	<46	41000	NA
Diethylphthalate	43	<97	160	<170	130	7100	NA
Phenanthrene	55	550	45	820	53	50000	NA
Anthracene	<53	170	<56	300	<50	50000	NA
Fluoranthene	100	980	110	3400	160	50000	NA
Pyrene	110	900	120	4200	170	50000	NA
Benzo(a)anthracene	59	500	54	2800	88	224	NA
Chrysene	67	520	81	2800	110	400	NA
bis(2-Ethylhexyl)phthalate	<41	<97	80	470	58	50000	NA
Benzo(b)fluoranthene	74	600	80	2700	120	1100	NA
Benzo(k)fluoranthene	<110	300	110	920	<100	1100	NA
Benzo(a)pyrene	<61	460	<65	2400	86	61 or MDL	NA

**TABLE 6.13-8. SUMMARY OF TESTING DATA FOR SURFICIAL SOIL NEAR THE EXISTING GOLF COURSE MAINTENANCE SHEDS**

Parameter	Soil Sample					TAGM Cleanup Objective	Eastern USA Background
	S-6 (061)	S-7 (062)	S-8 (063)	S-9 (064)	S-10 (065)		
Indeno(1,2,3-cd)pyrene	<65	220	<69	1100	<62	3200	NA
<b>Pesticides (µg/Kg)</b>							
Dieldrin	<0.12	9.2	<0.13	<0.13	<0.12	44	NA
4,4'-DDE	8.1	6.1	2.9	<0.26	<0.24	2100	NA
4,4'-DDD	7.5	8.6	<0.26	<0.26	<0.24	2900	NA
4,4'-DDT	17	8.9	6.4	5.7	<0.24	2100	NA
alpha-Chlordane	3.3	9.1	<0.39	3.5	<0.35	540	NA
gamma-Chlordane	<0.36	4.8	<0.39	<0.38	<0.35	540	NA
<b>PCBs (µg/Kg)</b>							
Aroclor 1254	<13	150	<14	<13	<13	1000 surface 10000 subsurface	NA
<b>Diesel TPH (mg/Kg)</b>	<4.1	11.1	<4.3	15.8	<4.0	NA	NA
<b>Gasoline TPH (µg/Kg)</b>	ND	ND	ND	ND	ND	NA	NA

**Notes:** TAGM = NYSDEC Technical and Administrative Guidance Memorandum #4046; SB = site background; NA = Not Applicable; ND = not detected; **BOLD** = exceeds TAGM criteria

As shown in Table 6.13-8, the soils in the vicinity of the two maintenance sheds have been impacted by various hazardous materials presumably used to maintain the golf course grounds and the equipment and perhaps affected by some imported fill materials. Arsenic, beryllium, chromium, iron, mercury, nickel, and zinc levels in the soil exceeded TAGM criteria. Analogous to the trends observed in the soil samples from the area which would be excavated for the water treatment plant (Table 6.13-7), beryllium, chromium, iron, and nickel are probably elevated due to natural site background conditions. These metals could also be present in the sand and gravel urban fill materials that have been used to improve the vehicle pathways near the sheds. On the other hand, the concentrations of arsenic, mercury, and zinc in the soil were likely influenced by the release of hazardous materials from golf course groundskeeping operations involving the use of pesticides, herbicides, and petroleum hydrocarbons fuels.

No volatile organic compounds were detected in the soil but thirteen semi-volatile organic compounds were found. At least eleven of the semi-volatile compounds are typically associated with complex organic materials such as diesel fuel or fuel oil, tar-related materials (e.g., roofing tar, roadway paving), or combustion residues. The presence of these semi-volatile compounds is consistent with the diesel range total petroleum hydrocarbon (TPH) levels that were detected in two (S-7, S-9) of the five soil samples. Diesel range TPH is a measurement of the cumulative presence of a wide range of high boiling point organic compounds. The two phthalate compounds detected in the soil are probably associated with residues from discarded plastics.

Six pesticide compounds were found in the soil near the maintenance sheds. DDT, DDD, and DDE are chemically related and although DDT's use as an insecticide was banned in 1972, it is persistent in the environment because it degrades very slowly. Two chlordane isomers, alpha

and gamma, were also found in the soil. Until 1983, chlordane was used as a pesticide on crops, home lawns, and gardens, and was used to eliminate termites. In 1988, all uses of chlordane were banned. Chlordane also breaks down very slowly in the environment. Dieldrin was detected in one soil sample from the maintenance shed area. Dieldrin may either be present from its use as a pesticide or as a degradation product of a similar pesticide, aldrin. All uses of dieldrin and aldrin were banned in 1987, yet like the other chlorinated pesticides, these compounds degrade slowly and are very persistent in the environment.

Polychlorinated biphenyls (PCBs) represent a class of compounds widely used in a variety of applications from approximately 1930 through 1975. One of the common PCB congeners, Aroclor 1254 (54 percent chlorine), was detected at a relatively low concentration in one soil sample (S-7). Although the production of PCBs ceased in 1977, many products containing PCBs could still be in use even after the ban took effect. Aroclor 1254 was used in electrical capacitors and transformers, hydraulic fluids, as ingredients to make plastics flexible (i.e., plasticizers), and mixed with pesticides as extenders. Similar to the fate and transport properties of chlorinated pesticides, PCBs break down slowly in the environment and residual amounts may remain for very long periods of time.

The presence of various hazardous materials in the soil near the maintenance sheds is not unexpected realizing the routine activities which were probably performed for many years in the area to prepare equipment and chemicals for golf course groundskeeping duties. Based on the levels of contaminants present in the soil, there is a possibility that the soil, if excavated, could fail TCLP testing thereby requiring it to be classified as a RCRA hazardous waste for disposal purposes. If the soil near the maintenance sheds remains in-place, the wide variety of metals and organic compounds present near the surface suggest that specific management of the material is warranted to minimize potential human health and environmental exposure concerns.

Groundwater. Groundwater samples were collected from four wells on-site in December 1999 and January 2000 to characterize shallow (soil) and deep (bedrock) groundwater quality.<sup>1</sup> The results are summarized in Table 6.13-9. Three of the sampled wells (Nos. 1, 2, 4) were fitted with porous points positioned to intercept and sample groundwater in the bedrock zone; the remaining well (No. 3) was sampled to access groundwater in the overburden soil. The apparent absence of contaminants at significant concentration levels in the groundwater suggests the overlying soil is relatively clean and is probably not a source of leachable or nonaqueous phase contaminants. Two organic compounds (toluene and n-nitrosodiphenylamine) detected at trace levels may be attributed to contaminants migrating toward the site from off-site sources. Well No.3, which exhibited the presence of toluene, a constituent often associated with petroleum hydrocarbon fuels, may be more susceptible to contaminants from off-site sources since it intercepts groundwater in the soil layer above the bedrock.

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<sup>1</sup> Groundwater samples collected on the site were analyzed by Accutest Laboratories (see Appendix E for analytical methods used in its Dewatering Approval/Wastewater Quality Control Application).

**TABLE 6.13-9. GROUNDWATER TESTING RESULTS (1999, 2000)**

Parameter	Units	Well No. 1 (B29)	Well No. 2 (B45)	Well No. 3 (B36S)	Well No. 4 (B2S)
<b>Groundwater Sampling Horizon</b>					
Depth Below Ground Surface	feet	53-55 (bedrock)	51-53 (bedrock)	14-16 (soil)	82-84 (bedrock)
<b>General Chemistry</b>					
Alkalinity, as CaCO <sub>3</sub>	mg/l	72.3	80.2	29.5	68.6
Biological Oxygen Demand (BOD <sub>5</sub> ) (ND=4.7)	mg/l	ND	ND	ND	ND
Chem. Oxygen Demand (ND=20)	mg/l	ND	ND	ND	ND
Chloride (ND=10)	mg/l Cl	ND	ND	ND	ND
Bacteria, Fecal Coliform (ND=5)	No./100ml	ND	ND	NT	ND
Bacteria, Total Coliform (ND=5)	No./100ml	42	5	NT	ND
Cyanide (ND=0.010)	mg/l CN	ND	ND	ND	ND
Cyanide, Amenable (ND=0.020)	mg/l CN	ND	ND	ND	ND
Oil and Grease	mg/l	9.9	8.3	7.6	10.4
Hardness, as CaCO <sub>3</sub>	mg/l	160	110	59.8	114
Nitrogen, Ammonia (ND=0.10)	mg/l N	0.22	0.38	0.26	ND
Nitrogen, Nitrate (ND=0.11)	mg/l N	ND	5.7	3.9	ND
Nitrogen, Nitrite (ND=0.010)	mg/l N	ND	0.083	0.020	ND
Nitrogen, TKN (ND=0.40)	mg/l N	ND	ND	ND	ND
Phosphorus, Total (ND=0.10)	mg/l P	0.14	ND	ND	ND
Solids, Settable (ND=0.50)	mg/l	ND	ND	ND	ND
Solids, Total Dissolved (TDS)	mg/l	197	214	120	150
Solids, Total Suspended (ND=4.0)	mg/l	12.0	ND	ND	ND
Carbon, Total Org. (ND=1.0)	mg/l C	3.6	1.3	2.0	ND
Turbidity (ND=0.5)	NTU	7.4	ND	ND	33.9
<b>Trace Constituents</b>					
Metals (ND variable)	µg/l	Fe 10200 Mn 126 Other ND	Fe 1170 Mn 627 Other ND	Fe 1320 Mn 84.9 Zn 20.5 Other ND	Fe 3170 Mn 540 Other ND
Volatile Organics, Halogenated (ND=0.50)	µg/l	ND	ND	ND	ND
Purgeable Aromatics (benzene, toluene, ethylbenzene, xylenes) (ND=0.50)	µg/l	ND	ND	Toluene 3.7 Other ND	ND
Semivolatile Organics (ND variable)	µg/l	NDPA 2.6 Other ND	ND	ND	ND
Pesticides & PCBs (ND variable)	µg/l	ND	ND	ND	ND

**Notes:** ND = not detected (method detection limit in parenthesis or variable for multiple constituents); NT = not tested; NDPA = n-nitrosodiphenylamine

In February 2004, two of the five soil borings located within the area of the site to be excavated for the proposed water treatment plant were completed as groundwater monitoring

wells. Following development of these wells, groundwater was sampled from the two new wells and an existing well located north of the proposed plant site and adjacent to the access road leading to the golf course parking lot. The groundwater samples were analyzed for target analyte list metals, volatile and semi-volatile organic compounds, pesticides, PCBs, and general water quality indicator parameters. The results are summarized in Table 6.13-10. For a map showing sampling locations refer to Appendix E.

**TABLE 6.13-10. GROUNDWATER TESTING RESULTS (2004)**

Parameter	Well No. 5 (MW-51)	Well No. 6 (MW-56)	Well No. 7 (MW-58)	WQ Criteria
<b>Target Analyte List Metals (µg/L)</b>				
Aluminum	2730	21300	14400	NA
Antimony	<4.6	<4.6	<4.6	3
Arsenic	<3.8	4.4	<3.8	25
Barium	334	264	187	NA
Beryllium	0.13	0.69	0.59	3
Cadmium	<0.62	<0.62	<0.62	5
Calcium	63700	17600	51800	NA
Chromium	17.7	<b>91.0</b>	<b>57.5</b>	50
Cobalt	9.6	21.3	17.8	NA
Copper	15.7	54.2	52.1	200
Iron	6220	42700	26400	NA
Lead	<2.8	11.1	17.8	25
Magnesium	36200	14000	28000	NA
Manganese	702	781	954	NA
Mercury	<0.03	<0.03	<0.03	0.7
Nickel	21.6	66.5	37.8	100
Potassium	15000	8160	9750	NA
Selenium	<3.1	<3.1	<3.1	10
Silver	<0.93	<0.93	<0.93	50
Sodium	124000	3420	7360	NA
Thallium	<9.8	<9.8	<9.8	0.5
Vanadium	10.8	98.3	47.5	NA
Zinc	40.7	129	196	2000
<b>Volatile Organics (µg/L)</b>				
Carbon Disulfide	ND	ND	2.6	NA
<b>Semi-volatile Organics (µg/L)</b>				
bis(2-Ethylhexyl)phthalate	ND	2.8	ND	5
<b>Pesticides &amp; PCBs (µg/L)</b>				
	ND	ND	ND	NA
<b>Water Quality Parameters (mg/L)</b>				
Alkalinity	290	11	77	NA
Cyanide	<0.01	0.014	<0.01	0.2
Nitrogen-Ammonia	<0.2	<b>11</b>	<b>2.24</b>	2
Nitrogen-Nitrate	<0.5	6.4	11	10
Nitrogen-Nitrite	<0.05	0.523	<0.05	10
Phenolics	<0.025	<0.025	<0.025	0.001
Phosphorus-Ortho	<0.01	<0.01	<0.01	NA

**TABLE 6.13-10. GROUNDWATER TESTING RESULTS (2004)**

Parameter	Well No. 5 (MW-51)	Well No. 6 (MW-56)	Well No. 7 (MW-58)	WQ Criteria
Phosphorus-Total	<b>0.12</b>	<b>0.44</b>	<b>0.7</b>	0.02
Sulfide	<1	<1	<1	0.05

**Notes:** WQ Criteria = Water quality criteria from 6 NYCRR 703.5 (standards) and NYSDEC Technical and Operational Guidance Series (1.1.1); NA = Not Applicable; ND = not detected; **BOLD** = exceeds water quality criteria

The groundwater samples collected and analyzed in February 2004 exhibited chromium, ammonia nitrogen, and total phosphorus concentration levels which exceeded groundwater quality criteria. The elevated chromium levels were found in groundwater from the two wells located on the golf course driving range and may be related to the relatively high chromium levels present in the overlying soil (see Table 6.13-7). The elevated levels of ammonia-nitrogen and phosphorus also occurred in groundwater from the driving range area and may be attributable to fertilizers or related chemicals applied to the golf course. Alternatively, a potential source of nitrogen and phosphorus in groundwater could be a leaking sanitary sewer but there is no indication that there are any sewer lines near the affected area.

Surface Water. There are no surface water bodies on the water treatment plant site. In the vicinity of the project site, historical Sanborn maps from 1900 to 1950 depict a small stream originating to the west of the water treatment plant site and flowing northwest to a lake in Van Cortlandt Park. The Sanborn maps after 1950 depict a shorter stream suggesting the streambed may have been filled-in to the east of the Mosholu Parkway in the mid 1950's when the Parkway and the Major Deegan Expressway were constructed. In addition, three wetland areas northeast and two northwest of the water treatment plant site may have been formed during the construction of the golf course in 1914. There is no indication that the water quality in any of these water bodies would impact or be affected by the proposed project.

Structures. Five structures were inspected to assess the potential presence of hazardous material building components (e.g., asbestos, lead-based paint, PCB-containing or mercury containing devices). The inspected structures included the Mosholu Golf Course Clubhouse (Rudin Building), a plywood structure covering a tee box on the driving range, a concrete structure used to store and dispense driving range golf balls to customers, and two equipment maintenance sheds. During site preparation activities for the construction of the water treatment plant, all of these structures would be demolished and replaced at other locations.

The simulated cedar siding on one of the maintenance sheds, and the flashing tar and parapet caulking on the roof of the Clubhouse were determined to be asbestos containing materials (ACM). The tar paper/felt underneath the slate roofing on the Clubhouse was confirmed to be non-ACM. No other structural-related hazardous materials were found in the five buildings that would be affected by the construction of the water treatment plant.

Overall Environmental Quality. The environmental testing data described above indicates that the Mosholu Site is not severely contaminated but there are several hazardous materials issues that would have to be addressed in preparation for and during construction of the

water treatment plant. The soil that would be excavated for the construction of the water treatment plant contains several metals which exceed cleanup objectives. The concentration levels of these metals and the trace levels of several organic compounds in this area are relatively typical for developed and industrial sites in the City. It is not expected that these soils when excavated would fail TCLP testing and would need to be classified as a RCRA hazardous waste. As a result, it is anticipated that the management and disposition of these soils would be prompted by local markets available at the time the soil is excavated and could involve disposal either as a general solid waste or as a special or industrial waste. A Construction Contamination Management Plan (CCMP) would be prepared describing how known contaminants would be handled and would provide procedures to characterize and manage hazardous materials discovered during construction activities.

The soil in the vicinity of the maintenance sheds would not be excavated for the construction of the water treatment plant but may be disturbed when used as an equipment or materials storage area. The soil at the maintenance sheds appears to have been impacted by various chemicals associated with the maintenance of the golf course and equipment and possibly imported urban fill materials. Although the soil in this area does not pose an imminent health or environmental hazard, the soil should be managed to prevent uncontrolled exposures and minimize the potential for the material to be spread to other parts of the site. Depending upon the specific manner in which the area would be used during and after construction, it may either be appropriate to isolate and manage the contaminated soils onsite (e.g., capping) or excavate and dispose the material offsite. Although the leachability characteristics of the soil cannot be reliably predicted before the material is excavated, the levels of some metal and organic constituents are sufficiently elevated to suggest that if the material is excavated, it may be classified as RCRA regulated hazardous waste.

Groundwater in the area of the proposed water treatment plant does not appear to be severely impaired nor would it pose a human health or environmental exposure risk. The groundwater does exhibit a relatively low level of contamination caused by a heavy metal, several trace organics, and nutrients (ammonia and phosphorus). If groundwater must be extracted to dewater the site, it is anticipated that the pumped groundwater would be suitable for discharge to a local sanitary sewer and subsequent processing in a water pollution control plant (WPCP). It is likely that the pumped groundwater would not be suitable for direct discharge to local surface water bodies.

Several of the structures onsite which would be demolished in preparation for the construction of the water treatment plant, would require the management of building-related hazardous materials. The clubhouse and one of the two maintenance sheds contain asbestos which would be abated prior to the demolition of the structures. The CCMP would describe the procedures used to abate the asbestos as well as methods used to monitor and protect air quality.

#### ***6.13.2.1.4. Off-Site Reconnaissance***

The water treatment plant site is located within the 1,146-acre Van Cortlandt Park and is categorized as a park and recreational land use area. The water treatment plant site is in the Mosholu Golf Course Driving Range area of Van Cortlandt Park. A separate park area, which

includes a playground, is located approximately 300 feet south of the water treatment plant site abutting West Gun Hill Road, and separates the golf course from Van Cortlandt Park South.

Transportation corridors border the water treatment plant site to the east (Jerome Avenue) and to the west (the Major Deegan Expressway and Mosholu Parkway), and Van Cortlandt Park borders the site to the north. Other areas that are classified as park and recreation (or open space) include the land along the Mosholu Parkway and the Williamsbridge Oval Park. The residential area located to the southeast of the proposed water treatment plant site contains a mix of residential uses interspersed with institutional and commercial uses. The residential uses include mid-rise apartment buildings; the commercial land uses are mostly neighborhood businesses. A portion of the Amalgamated Houses complex is located to the southwest of the water treatment plant site. The residential land uses in the vicinity of the water treatment plant site are high-density. Consistent with the results derived from the review of environmentally regulated sites, numerous facilities to the south and east of the water treatment plant site store and use hazardous materials (principally petroleum hydrocarbon fuels). Based on visual inspection, there is no evidence that hazardous materials releases potentially from these areas have impacted the environment and the water treatment plant site.

Governmental and institutional land uses include the Woodlawn Cemetery, which is located across Jerome Avenue and east of the water treatment plant site; a work activity center for handicapped people on Jerome Avenue; Montefiore Medical Center; and a parking lot at the Shandler Recreation Area for commuters, park visitors and Montefiore Medical Center employees. Schools in proximity to the water treatment plant site include DeWitt Clinton High School, PS 94, and PS 95. The Jerome Pumping Station is also located near and to the south of the water treatment plant site.

Corridors related to the transportation, communication, and utility land uses include the New Croton Aqueduct (NCA), Old Croton Aqueduct, the abandoned Putnam railroad, the elevated subway line over Jerome Avenue, the Henry Hudson Parkway, the Mosholu Parkway, and the Major Deegan Expressway. In general, these types of infrastructure facilities do not involve the storage or use of hazardous materials although random incidents of transportation-related spills or releases (e.g., traffic accidents) have occurred on some of these corridors.

#### **6.13.2.2. *Future Without the Project***

The Future Without the Project conditions were developed for the anticipated peak year of construction (2010) and the anticipated year of operation (2011) for the proposed plant. The anticipated peak year of construction is based on the peak number of workers.

In the future without the proposed project, the water treatment plant site would remain largely unchanged through the year 2011. The property would remain a golf course and driving range, as noted in Section 6.2, Land Use, Zoning, and Public Policy.



### **6.13.3. Potential Impacts**

#### ***6.13.3.1. Project Impacts***

The anticipated year of completion of the proposed project is 2011. Therefore, the following potential project impacts have been assessed by comparing the conditions for the Future With the Project against the conditions for the Future Without the Project for the year 2011.

The proposed project would be constructed entirely below grade with the exception of the Arrival & Receiving Building, Chemical Fill Building, Guard House, and NYCDEP/Visitors Parking Lot (see Figure 6.13-5). Overall, the building would contain 350,280 square feet of space, consisting of the following three levels and the roof: Foundation Level (elev. 121 ft.), Lower Level (elev. 143 ft.), and Operating Level (elev. 170 ft.). Hazardous materials (i.e., process chemicals) used in the water treatment process would enter the facility through secure portals (see Figure 6.13-6). The proposed plant would have a staff of 53 personnel, with a maximum of 41 on duty at a time. The nearest structure unrelated to the proposed plant or the golf course is 280 feet away (i.e. the buildings and elevated train along Jerome Avenue). Water treatment process residual solids would be conveyed by force main sewer pipelines to NYCDEP Hunts Point Water Pollution Control Plant (WPCP) for disposition.

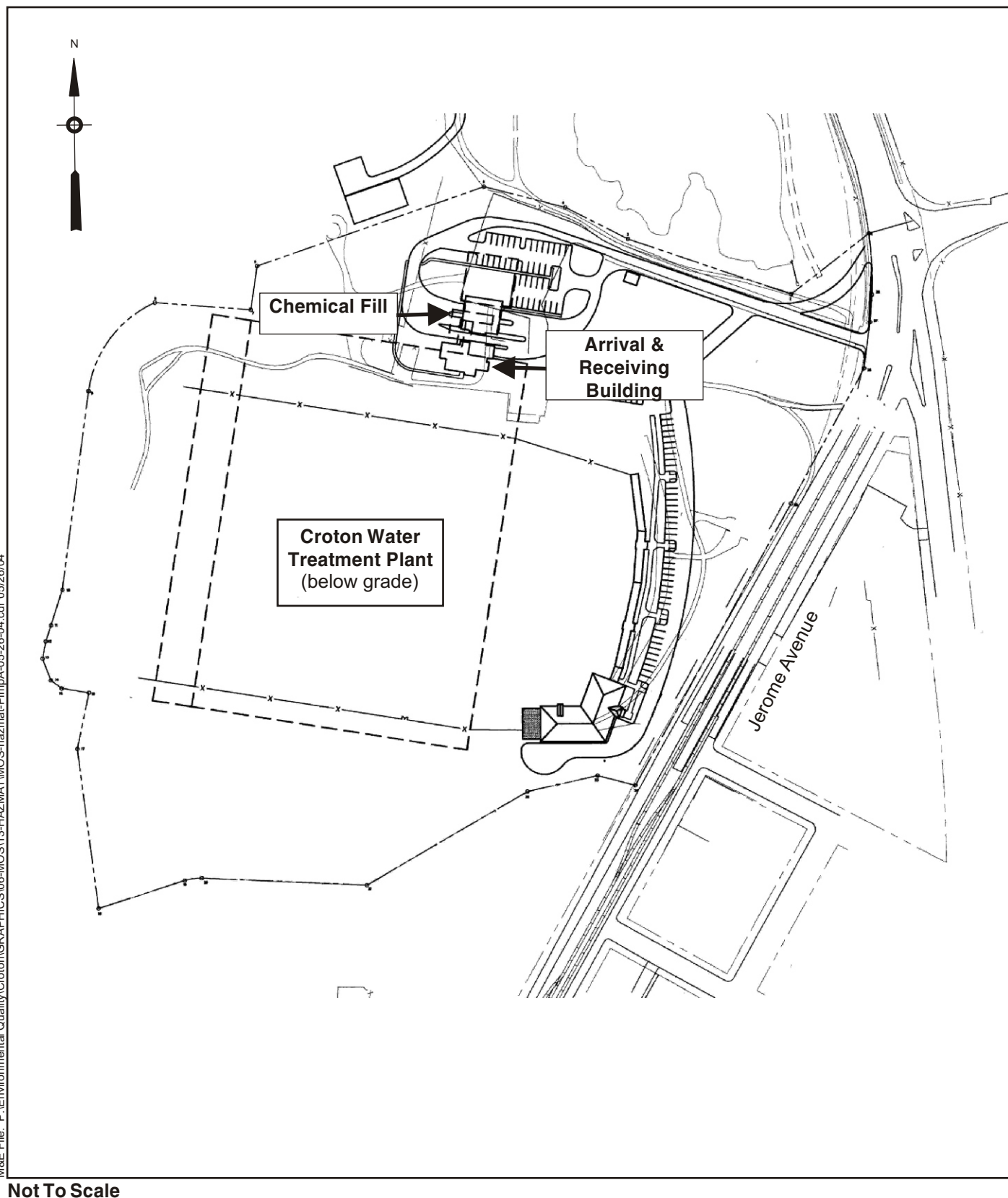
##### ***6.13.3.1.1. Water Treatment Chemicals***

Chemical facilities would be provided to store and feed the chemicals required to enhance filtration, control corrosion, prevent dental decay, and provide secondary disinfection. The facilities would be designed in accordance with New York State Department of Health (NYSDOH) and New York State Department of Environmental Conservation (NYSDEC) requirements at average flow/average dose. Regulatory requirements encompass chemical storage capacity, redundant transfer and feed pumps, and secondary containment of chemicals to protect against potential spills. Currently, transfer pumps and tanks (including day tanks for some chemicals) are proposed for the chemical systems, to reduce space requirements in the bulk storage tank area; this would be further analyzed during preliminary design (see Section 6.1, Introduction and Project Description). Each chemical system would be divided into two sub-systems, each serving one half of the treatment plant.

The bulk quantities of water treatment chemicals to be stored and used at the proposed plant are summarized in Table 6.13-11. The function of each chemical is briefly described below. Polymers would also be used in the residuals facilities. Potassium permanganate would be introduced at Gate House No. 5 in the Jerome Park Reservoir, as discussed in Section 8.

- Sulfuric Acid – For pH correction prior to coagulation; fed at first-stage rapid mixer.
- Coagulant – Alum (Aluminum Sulfate) / PACl (Polyaluminum Chloride) – For coagulation; fed at first-stage rapid mixer.
- Coagulant Aid Polymer – As coagulant; fed at second-stage rapid mixer.

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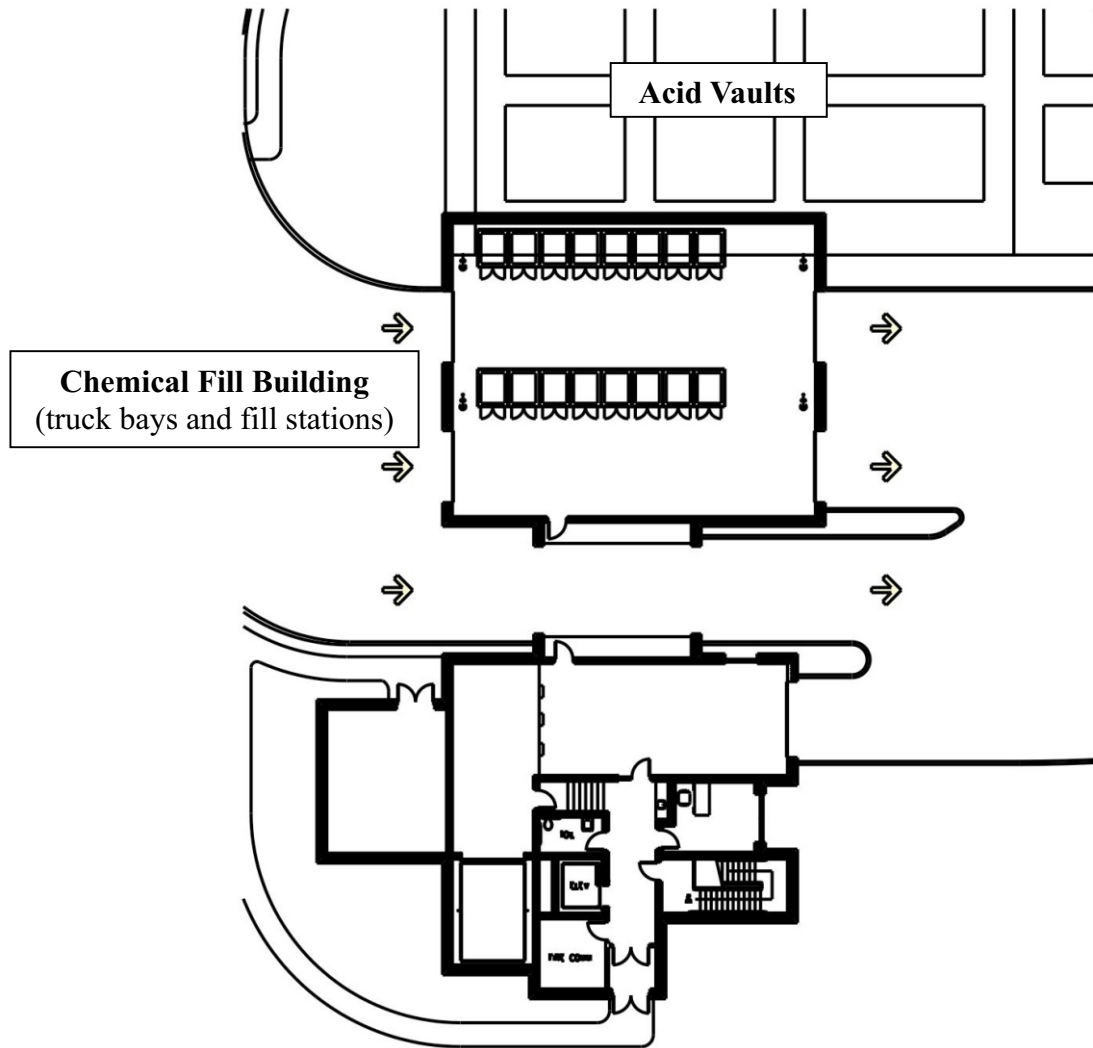


Not To Scale

## Generalized Layout of the Proposed Water Treatment Plant Mosholu Site

Croton Water Treatment Plant

Figure 6.13-5



Not To Scale

## Hazardous Materials Portals Mosholu Site

Croton Water Treatment Plant

Figure 6.13-6

- Filter Aid Polymer – As filtration aid; fed at second-stage flocculation tank.
- Sodium Hypochlorite –
- Pre-Feed: Intermittent feed at first-stage rapid mix. This feed point is optional and would only be used at plant start-up or reactivating a flow train.
- Intermediate: Pre-filtration for manganese removal; fed at the Dissolved Air Flotation baffle wall.
- Post-Feed: Secondary and virus disinfection; fed at treated water discharge from the UV chambers.
- Hydrofluorosilicic Acid – To prevent dental decay; fed at treated water discharge from the Ultra-Violet Light (UV) Disinfection chambers.
- Sodium Hydroxide – For pH adjustment; fed at treated water discharge from the UV reactors.
- Corrosion Inhibitor (Orthophosphate or Phosphoric Acid) – For corrosion control; fed at treated water discharge from the UV chambers.

**TABLE 6.13-11. BULK STORAGE NEEDS**

Chemical	Active Ingredient (lb/gal)	Dose (mg/l)		Design Usage (Avg. Usage/Avg. Flow)		Storage Tanks (based on avg. dose/avg. flow)	
		Avg.	Max.	(lb/day-active ingredient)	(gal/day-active ingredient)	No. of Tanks	Volume (gal-each)
Coagulant							
Alum	5.32	17	30	21,280	3,996	8	19,000
PACl	3.30	13	17	16,272	4,928		
Sulfuric Acid	11.08	2.5	6.5	3,130	282	2	6,000
Coagulant Aid Polymer	4.38	1.25	1.75	1,564	358	4	7,000
Filter Aid Polymer	4.17	0.05	0.2	62.6	15	Totes or Drums	
Sodium Hypochlorite							
Pre-Feed	0.83	2.0	3.0	2,504	3,016	6	10,000
Intermediate	0.83	2.0	2.5	2,504	3,016		
Post-Feed	0.83	0.5	2.0	626	754		
Hydrofluorosilic Acid	1.84	1.0	1.0	1,252	680	2	12,000
Sodium Hydroxide	6.42	5	12.5	6,258	974	4	7,000
Orthophosphate or Phosphoric Acid	3.58	1	2	1,200	336	2	6,000
Ammonia (future)	TBD	0.3	0.5	360	16.6	4	6,000

Chemical system capacities would be based on the chemical usage data from pilot testing<sup>2</sup> and estimates of required dosages for other chemicals. The storage tank volume would be based on 30-day storage for the design usage, except sodium hypochlorite and potassium permanganate, which would be based on 15-day storage. In order to standardize the design of the chemical systems, tanks would be designed for the larger of the 30-day storage volume or 7,000 gallons, except for the filter aid polymer, which would be shipped in totes rather than in tanker trucks. The transfer tank volumes would be based on maximum flow and maximum dose conditions with a 24-hour detention time for all chemicals except the coagulant and sodium hypochlorite pre-feed/intermediate transfer tanks that would be sized for a 12-hour detention time. All chemical storage tanks would be provided with secondary containment with the capacity to hold at least 110 percent of the largest single tank volume in the containment area. Incompatible chemicals would be stored in separate areas. No potentially significant adverse impacts are anticipated to occur from the transport, storage, or usage of the water treatment plant chemicals.

Trucks carrying chemicals to the water treatment plant would have to go through a security checkpoint before arriving at the chemical fill station. The trucks would enter the unloading area, which can be sealed with rolling doors, and then unload its chemicals. There would also be a chemical containment sump that would be capable of holding a 110 percent of the volume of a truckload of chemicals. The chemicals can later be pumped out of the sump in the event of a spill during unloading. The chemicals used on-site are the same as chemicals routinely trucked throughout the city for water pollution control plants. None of these chemicals are flammable. The routine and safe transport of these chemicals is well established, and the transport of the water treatment chemicals would not be a potential significant impact.

#### **6.13.3.1.2.     *Alternative Chemicals***

Alternatives to the chemicals that were selected for the proposed water treatment process are listed in Table 6.13-12. Each alternative chemical and its issue of concern are discussed in more detail below.

***Aluminum Sulfate.*** Aluminum sulfate [ $\text{Al}_2 (\text{SO}_4)_3 (18 \text{ H}_2\text{O})$ ], a white to blue-green liquid, could be used as a primary coagulant. Under normal handling and storage conditions, this material is stable. According to the manufacturer, this material may pose a slip hazard. Symptoms of short-term exposure include mild skin and respiratory irritation. Pilot testing revealed that the selected chemical (ferric chloride) provides optimum process performance.

***Polyaluminum Chloride (i.e., Westchlor FA 900S).*** Polyaluminum chloride, a clear white to slightly yellow odorless liquid, could be used as a primary coagulant. This product is considered stable; however, this material reacts with metals including aluminum, zinc, steel, bronze and copper. Contact with caustic soda can result in a highly exothermic (heat generating) reaction. Symptoms of short-term exposure include mild skin and respiratory irritation. Pilot testing revealed that the selected chemical (ferric chloride) provides optimum process performance.

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<sup>2</sup> New York City Department of Environmental Protection. November 1997. Additional Pilot Studies for the Croton Water Treatment Plant.

**TABLE 6.13- 12. ALTERNATIVE TREATMENT PROCESS CHEMICALS**

<b>Treatment Objective</b>	<b>Selected Chemical</b>	<b>Alternative Chemical</b>	<b>Comments</b>
Disinfection	Sodium Hypochlorite	Chlorine (gas)	Selected chemical is safer for transporting, handling, and storage.
Coagulant	Ferric Chloride	Aluminum Sulfate or Polyaluminum Chloride	Pilot testing revealed that the selected chemical provides optimum process performance.
Coagulant Aid Polymer	Clarifloc C-138 or equivalent (Cationic Polymer)	Similar products by other manufacturers.	N/A
Flocculant Aid Polymer	Superfloc N-1986 or equivalent (Nonionic Polymer)	Similar products by other manufacturers.	N/A
Secondary Disinfection	Sodium Hypochlorite	Chlorine (gas)	Selected chemical is safer for transporting, handling, and storage.
Fluoridation to prevent tooth decay	Hydrofluoro-silicic Acid	Sodium Fluoride	Alternative chemical results in operational and maintenance difficulty and is supplied as a dry substance rather than a liquid. Liquid is preferred.

**Chlorine Gas.** Chlorine (Cl<sub>2</sub>) could be used for secondary disinfection. Chlorine is a greenish gas with an acrid odor. Under normal storage and handling conditions, chlorine is stable. However, contact with alkalis, reducing agents, and/or organic materials can produce hydrochloric acid, which is highly corrosive. Symptoms of exposure include respiratory allergic reactions and skin and eye irritation. Chlorine gas is more difficult to control than sodium hypochlorite, and if released, can disperse through the air and travel a considerable distance.

**Sodium Fluoride.** Sodium fluoride, clear white or blue colored crystals that are odorless, could be used for fluoridation (dental) purposes. This material is considered stable, but it reacts with acids to produce dangerous hydrogen fluoride gas. Symptoms of exposure include respiratory allergic reactions and skin and eye irritation. The use of this alternative chemical results in operational and maintenance difficulty, as it is supplied as a dry substance rather than a liquid.

No potentially significant adverse impacts are anticipated to occur from the transport, storage, or usage of the alternative chemicals.

#### **6.13.3.1.3. Mercury-Containing Ultra-Violet Light Disinfection Lamps**

The estimated total number of UV lamps to be contained in the facility is 960 lamps (48 lamps per unit x 20 units). As the useful life of a lamp diminishes, it would need to be replaced. According to the manufacturer's recommendations, the lamp life expectancy ranges between

10,000 and 12, 000 hours. According to engineering estimates, each lamp should be changed roughly every 840 days (2.3 years). Approximately 1.14 lamps per day would be changed and generated as waste at the proposed facility (960 lamps/840 days). The lamps would contain a small amount of mercury, about 0.15 grams each. The weekly quantity of mercury generated would be 0.00264 lbs/week (1.14 lamps/day x 0.15 grams Hg x 7 days/week equals 1.2 grams/week). Lamps containing mercury would be hauled off-site to a USEPA Licensed Recycle Facility. This would be done under contract between the City and the private hauler.

Cleaning of UV lamps is a significant operation and maintenance issue, and its frequency is dependent on the fouling of quartz sleeves. Fouling of sleeves is a result of water quality effects such as precipitation of iron, calcium, aluminum, and manganese salts along with other inorganic and organic constituents. Fouling is also dependent on the type of lamp used; medium pressure lamps operate at much higher temperatures and irradiance concentrations than low pressure lamps and therefore foul much more quickly. Lamp cleaning fluid would be a food-grade (non-hazardous) acid such as Phosphoric Acid (currently added to the water supply for corrosion control), which can be discharged to the sewer or hauled off-site for disposal. Approximately 200 gallons per month of phosphoric acid would be used to clean the UV disinfection units. Disposal of spent acid and related liquid waste would be intermittent and is estimated to be 16,000 gallons per month.

#### **6.13.3.1.4. Process Laboratory Chemicals**

The proposed plant would require a process laboratory for monitoring and controlling the treatment process. The laboratory would be equipped to perform process control water quality tests. The parameters to be measured and their frequency are outlined in Table 6.13-13.

**TABLE 6.13-13. PROCESS LABORATORY CHEMICAL USAGE AND WASTE DISPOSAL**

<b>Analysis</b>	<b>Method <sup>(1)</sup></b>	<b>Required Reagents</b>	<b>Quantity</b>	<b>Daily Waste Discharges Type</b>	<b>Disposal Method</b>
Turbidity	SM180. 1	None		Water	Sewer
Color	SM204	None		Water	Sewer
pH	SM424	None		Water	Neutralizing sing/sewer
Alkalinity	SM403	0.02 N Sulfuric Acid (1 L)	Approx. 100 ml per sample per day	Solution	Neutralizing sink/sewer
Particle Count	Laser Diode Technology	None		Water	Sewer

**TABLE 6.13-13. PROCESS LABORATORY CHEMICAL USAGE AND WASTE DISPOSAL**

<b>Analysis</b>	<b>Method <sup>(1)</sup></b>	<b>Required Reagents</b>	<b>Quantity</b>	<b>Daily Waste Discharges Type</b>	<b>Disposal Method</b>
Iron	SM310A	FerroVer <sup>(2)</sup>	Approx. 10 ml per sample per day	Solution	Neutralizing sink/ sewer
Manganese	USEPA LR PAN Method	PAN indicator <sup>(3)</sup> Alkaline Cyanide <sup>(4)</sup> Ascorbic Acid	1ml – PAN 0.5ml – Alkaline 1 packet – Ascorbic (each per sample/ day)	Solution	Neutralizing sink/ sewer
Chlorine Residual	SM409E	None/ DPD		Solution	Neutralizing sink/ sewer
Cleaning Reagents		Nitric Acid (4 percent) Standard Detergent (Alconox)	5 gallons per year 10 gallons per year	Solution	Neutralizing sink/ sewer

**Notes:**

1. SM – Standard method for the analysis of water and wastewater
2. FerroVer – Iron phenanthroline
3. PAN Indicator – Dimethyl formamide, Ammonium acetate, Triton X, Water
4. Alkaline cyanide – Water, Sodium cyanide, Sodium hydroxide

No potentially significant adverse impacts are anticipated to occur from the transport, storage, or usage of the process laboratory chemicals.

**6.13.3.1.5. Emergency Planning And Community Right-to-Know Act**

Under the Emergency Planning and Community Right-To-Know Act (EPCRA), established in 1986 as part of the Superfund Amendments and Reauthorization Act (SARA), there are three subtitles: Subtitle A for emergency planning; Subtitle B for specific hazardous chemical reporting requirements; and Subtitle C for how the public can gain access to information pertaining to chemical and/or hazardous materials quantities at a facility. Chemicals and/or hazardous materials that would be stored at the water treatment plant site above their Threshold Reportable Quantities (TRQ) must be reported to NYSDEC and to local and State agencies, including local fire and police departments and the State Emergency Response Commission (SERC). This allows emergency personnel to determine the location and quantities of chemicals in the event of a release. The standard that is set for the limits of TRQs is



determined by factoring in the potential risk and health factor to both human and ecological receptors. Ecological receptors include air, land, and water.

A Tier II Form must be submitted each year by March outlining and reporting quantities of hazardous materials used on site. Material Safety Data Sheets (MSDS) would be submitted for each chemical in accordance with OSHA's Hazard Communication Standard (29 CFR Part 1910.1200). All hazardous materials containers would be labeled with the chemical name clearly visible (the side or top of the container). The proposed plant would be in compliance with EPCRA.

#### ***6.13.3.1.6. Waste Disposal***

The proposed plant would not generate any RCRA-regulated hazardous wastes associated with the water treatment process. All of the chemicals discussed above would be consumed during the water treatment process. As discussed in Section 6.1, Introduction and Project Description, waste wash water and filter-to-waste would be created during the backwashing of the filters. The filter-to-waste would be collected and then returned, or recycled, to the head of the main treatment process. The floated solids from the DAF units and settled solids from the waste backwash water settling tanks would be combined and periodically discharged to two force mains and conveyed to the Hunts Point WPCP for dewatering and disposal. One of the major components of the discharge, the backwash water waste, may contain approximately 60 mg/L solids composed of 50 percent aluminum hydroxide, 41 percent organics (17 percent biodegradable), and 9 percent other inert solids (metals, inorganics). For additional detail on the disposition of wastes, see Section 6.16, Infrastructure and Energy.

#### ***6.13.3.2. Potential Construction Impacts***

##### ***6.13.3.2.1. Hazardous Materials Disturbed During Construction***

As previously indicated, the proposed plant would be constructed below grade with the exception of the Arrival and Receiving Building, Chemical Fill Building, Guard House, and NYCDEP/Visitors Parking Lot. The existing grade in the area is 175 to 205 ft. above mean sea level (MSL) with bedrock 8 to 15 ft. below the surface and groundwater ranging from 5 to 20 ft. below the surface. The proposed plant would encompass an 8.7-acre area and would contain 380,304 sq ft of space consisting of the following three levels as well as the roof: Foundation Level (elev. 121 ft.), Lower Level (elev. 143 ft.), and Operating Level (elev. 170 ft.). The elevation of the bottom of the Foundation Level slab is assumed to be 117 ft. throughout the entire footprint of the main treatment building. Excavation to construct the proposed plant would involve the removal of over 1,250,000 cyd of soil and bedrock to a depth of 117 ft. MSL. Groundwater and surface water inflows would be extracted from excavation area throughout the construction period.

The water treatment plant site has been used for recreational purposes within Van Cortlandt Park for over one hundred years and therefore has never been developed for commercial, industrial, or residential purposes. Hazardous materials or residues present on site may be the result of chemicals used for the operation and maintenance of the golf course (i.e. petroleum fuels, fertilizers, herbicides, and pesticides). There is no indication that hazardous materials or wastes

were intentionally disposed of on site or contaminated debris was imported to the site and used as fill material. As such, risks associated with the disturbance of areas severely contaminated with hazardous materials and the potential release of these substances to the environment is minimal.

The environmental investigations undertaken at the proposed water treatment plant site confirmed the presence of various hazardous materials in the soil and groundwater, generally at low concentration levels, and helped to identify potential hazardous material management issues associated with the proposed project. The types and levels of hazardous materials that are expected to be encountered during the proposed project are relatively common in an urban setting and can be effectively addressed by appropriate mitigating measures. Based on the information derived from the review of environmentally regulated sites in the area and the testing data, Table 6.13-14 identifies contaminants of concern at the water treatment plant site.

**TABLE 6.13-14. POTENTIAL ENVIRONMENTAL CONTAMINANTS OF CONCERN AT THE MOSHOLU SITE**

Media	Contaminant Class <sup>1</sup>	Potential Contaminants of Concern	
		Water Treatment Plant Excavation Area	Existing Golf Course Maintenance Shed Area
<b>Soil</b> (above the water table)	Metals	Be, Cr, Fe, Ni, Zn present above TAGM (likely due to site background conditions)	As, Be, Cd, Cr, Cu, Fe, Hg, Ni, Zn present and all above TAGM
	Volatile Organic Compounds	Acetone, Ethylbenzene, Styrene present at trace levels (acetone likely lab contaminant)	None present
	Semi-volatile Organic Compounds	Fluorene, Pyrene, bis(2-Ethylhexyl)phthalate present at trace levels	13 semi-volatile compounds detected; Benzo(a) anthracene, Chrysene, Benzo(b) fluoranthene, Benzo(a) pyrene present above TAGM
	Pesticides & PCBs	None present	Aroclor 1254 present but below TAGM
	Total Petroleum Hydrocarbons (TPH)	None present	Diesel range TPH
<b>Groundwater</b> (including soils below the water table)	Metals	Fe, Mn, Zn, Cr (Cr exceeds TOGS)	
	Volatile Organic Compounds	Toluene, Carbon Disulfide present at trace levels	
	Semi-volatile Organic Compounds	n-Nitrosodiphenylamine, bis(2-Ethylhexyl)phthalate present at trace levels	

**TABLE 6.13-14. POTENTIAL ENVIRONMENTAL CONTAMINANTS OF CONCERN  
AT THE MOSHOLU SITE**

Media	Contaminant Class <sup>1</sup>	Potential Contaminants of Concern	
		Water Treatment Plant Excavation Area	Existing Golf Course Maintenance Shed Area
	Pesticides & PCBs	None present	
	Water Quality Parameters	Ammonia-nitrogen, Nitrate-nitrogen, Total Phosphorus present and all exceed TOGS	

**Notes:**

<sup>1</sup> Includes contaminants of concern confirmed by environmental testing and contaminants suspected by review of regulatory database information.

The presence of hazardous or contaminated materials at the water treatment plant site may threaten human health or the environment only when exposure to those materials occurs. During construction of the proposed plant, excavation and disturbance of soil below the water table would be required, including the management of tunneling spoils.

A site-specific Construction Contamination Management Plan (CCMP) would be prepared for all areas where environmental contaminants may be encountered. The CCMP would identify sampling and analysis procedures to characterize type and extent of contamination and requirements for the handling, management, treatment, and disposal of contaminated materials encountered during construction.

For solid materials that would not be reused on-site, testing would be required to determine appropriate off-site disposal options. In addition, testing may also be required for reuse of solid materials on-site either to confirm that contaminants are not present or to demonstrate that selected management techniques are suitable for the contaminant concentration levels present. The testing data for either the on-site and off-site management of contaminated materials would be specifically generated for each lot of material requiring disposition.

The off-site disposal of solid wastes generated as a result of the proposed project would depend on the nature of the construction activity (e.g., quantity of material to be excavated) and the bulk chemical characteristics of the waste materials to be managed. Although large quantities of severely contaminated solid wastes (e.g., soils, rock) are not anticipated to be generated at the water treatment plant site, wastes containing contaminants at concentration levels above applicable action levels, regulatory thresholds, or risk-based limits would require specialized disposal.

A major portion of the excavation for the proposed plant would extend below the groundwater table. The contractor would be responsible for the design and implementation of the dewatering system to maintain a dry subgrade during construction. Generally, the groundwater level would be maintained approximately two feet below the final subgrade level during the entire period of excavation, foundation construction, and fill placement. A further discussion of the dewatering system is presented in Section 6.15, Water Resources.

Since a major portion of the proposed plant would be constructed below the water table, three foundation systems are currently under consideration and include:

1. The use of an underdrain system that completely drains the groundwater surrounding the foundation and pumps the collected water to the nearest combined sewer.
2. The addition of sufficient concrete to the building to increase its weight and counteract uplift due to buoyancy.
3. The use of rock anchors to physically connect the building to the bedrock and resist buoyant forces.

It is estimated that the permanent underdrain system, if used, would collect approximately 100 gpm of groundwater. If encountered, higher groundwater inflow rates may be mitigated by grouting high yielding faults in the bedrock. The actual pumping rate for the underdrain system would be based on the groundwater inflow rate and would take into consideration stormwater inflow that may occur during construction. Given the size of the excavation and the time it would take to complete it, dewatering during construction would likely be accomplished with pumps placed in sumps and trenches. Depending on the extent of the capture zone caused by dewatering activities both during construction and if the permanent underdrain system is used, groundwater contaminants from off-site sources could be drawn toward the water treatment plant site and require subsequent management.

The management of extracted (i.e., pumped) groundwater and stormwater that is contaminated would be accomplished based on the physical/chemical properties and the concentration levels of contaminants present. For example, discharge to local sanitary sewers may be possible if preliminary on-site treatment is sufficient to meet pretreatment standards for the Ward's Island Water Pollution Control Plant (WPCP). In addition, the pretreated discharge volume to the sanitary sewer may have to be controlled during specific times to ensure the WPCP can accommodate the flow. Treatment and testing would be required prior to construction to assure that NYCDEP requirements for sewer discharges or NYSDEC standards for discharges to water bodies are satisfied.

Several of the structures onsite which would be demolished in preparation for the construction of the water treatment plant, would require the management of building-related hazardous materials. The Golf Course Clubhouse and one of the two maintenance sheds contain asbestos which would be abated prior to the demolition of the structures. The CCMP would describe the procedures used to abate the asbestos as well as methods used to monitor and protect air quality. Air quality would be monitored during demolition if asbestos is found to be present in accordance with Section D, chapter 1 of the New York City Asbestos Control Program.

#### ***6.13.3.2.2. Hazardous Materials Used During Construction***

During the construction of the proposed plant, the Contractor may introduce a variety of hazardous materials to the water treatment plant site to support the construction activity. The specific types and quantities of hazardous materials stored and used on the construction site would depend on the nature and extent of activities being performed (e.g., excavation, foundation construction, tunneling). In general, various petroleum-related materials would be used to support the operation of vehicles and heavy equipment (e.g., diesel fuel, gasoline,

lubricants, glycol) as well as hazardous materials used in the construction process itself (e.g., concrete release agents, adhesives, paints and coatings). Each contractor would provide Material Safety Data Sheets (MSDS) for the construction-related hazardous materials that they would introduce to the water treatment plant site.

In summary, the proposed project would not involve construction methods, procedures, or hazardous materials handling actions that would pose a significant health and safety risk to the general public. Most construction activities would occur in areas where the general public has no access. Public access to all construction sites would be restricted.

Based on the analyses presented above, the proposed Croton project at the Mosholu Site would have no significant adverse impacts on Hazardous Materials. For comparison purposes, this is true of the Eastview and Harlem River sites as well.