NIAGARA MOHAWK

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May 11, 1995

John Spellman, P.E.
Project Manager
New York State Department of
Environmental Conservation
Central Field Services Section
Bureau of Construction Services
Div. of Hazardous Waste Remediation
50 Wolf Road
Albany, New York 12233-7010

Re: North Albany Former MGP Site
Preliminary Site Assessment and
Interim Remedial Measures Study

Dear Mr. Spellman:

Pursuant to the Order On Consent, Index #DO-0001-9210, Niagara Mohawk Power Corporation (NMPC) hereby submits the Preliminary Site Assessment/Interim Remedial Measures Study (PSA) for the North Albany Former MGP Site. Six (6) copies have been provided for your distribution. One (1) copy is being forwarded to Mr. Eric Hamilton at the New York State Department of Environmental Conservation (NYSDEC) Region 4 Headquarters and one (1) copy is being forwarded to Dr. G. Anders Carlson of the New York State Department of Health (DOH).

If you have any questions or need additional copies of the PSA Report, please contact me at (315) 428-3101.

Sincerely yours,

James F. Morgan

James F. Morgan
Environmental Analyst IV

/jfm
enclosure
cc: Mr. David H. King, P.E., NMPC (w/o enclosure)
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Preliminary Site Assessment
&
Interim Remedial Measures Study

for the

North Albany Former MGP Site
North Albany, New York

Prepared for

Niagara Mohawk Power Corporation

May 1995

Prepared by

FOSTER WHEELER ENVIRONMENTAL CORPORATION

NORTH ALBANY FORMER MGP SITE
PRELIMINARY SITE ASSESSMENT/INTERIM REMEDIAL MEASURES STUDY

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1.2.4 Subsurface Soil Investigation Results

MGP and non-MGP (petroleum) residues were detected in subsurface soils above the NYSDEC recommended soil clean-up levels. Volatile organics (primarily BTEX [benzene, toluene, ethyl benzene and xylene]) were detected above the NYSDEC recommended soil clean-up values in subsurface soil samples collected from soil boring, monitoring well, and test pit locations SB-10 through SB-12, SB-14 through SB-16, SB-18, SB-19, SB-23, MW-2, MW-4 through MW-6, MW-8, MW-10, MW-13 and MW-14, TP-1, TP-2, and TP-5 through TP-8, at depths ranging from 2 to 26 feet below the ground surface. These locations are, in general, on the northern and eastern sides of the site. Semivolatile organics, primarily PAHs were also present above the NYSDEC recommended soil clean-up values at 2 to 26 feet below ground surface. Only one pesticide (endrin) was detected above the NYSDEC recommended clean-up value, at sampling location TP-1.

Detection of elevated concentrations of inorganics may indicate high inorganic background concentrations due to historical industrial operations and/or naturally occurring inorganic materials in the soil.

MGP-related contaminant constituents were detected above the NYSDEC soil clean-up levels in SWMU L-1 in the northern section of the site, which corresponds to the location of historical MGP operations. These constituents were also detected in SB-5 along the western boundary of the site.

Commingled MGP and non-MGP (petroleum) chemical constituents were detected above the recommended NYSDEC soil clean-up levels in the vicinity of MW-6 (SWMUs T-2 and T-9), north and east of Building No. 2 (SWMUs T-1, T-3 through T-7, T-10, T-11, DW-1), and in the area surrounding MW-8.

Non-MGP (petroleum) constituents were detected above NYSDEC recommended soil clean-up levels in the area of the TSD facility. This location also contains SWMUs S-2 through S-4, S-6, S-7 and B-2.

An additional new potential area of concern (AOC) was identified in the vicinity of MW-10, where non-MGP constituents (petroleum) were detected above the NYSDEC recommended soil clean-up levels.

At SWMUs T-5, T-8, S-1 and S-2, no chemical constituents were detected above the NYSDEC recommended soil clean-up levels.

1.2.5 Groundwater Investigation Results

Based on the two rounds of groundwater samples collected, volatile organics (BTEX, 1,1-dichloroethane, tetrachloroethene, 1,1,2,2-tetrachloroethane and methylene chloride) were detected above the NYSDEC groundwater standard values. Semivolatiles (phenolics, phthalates, dibenzofuran and carbazole) were also detected above the NYSDEC groundwater standard values during both groundwater sampling rounds. However, no pesticides or PCB compounds were present in the groundwater samples. Metals (antimony, barium, chromium, iron, lead, magnesium, manganese and sodium) were present in the groundwater above the NYSDEC groundwater standard values. Cyanide was also detected in the groundwater samples.

1.2.6 Air Investigation Results

Air samples were collected during the test pit investigation performed at the site. BTEX and PAH compounds detected were below the threshold limit value.

1.2.7 Preliminary Qualitative Risk Assessment

A Fish and Wildlife Impact Analysis was performed at the North Albany Former MGP Site pursuant to the requirements of the PSA Study for former MGP sites and following guidance provided by the NYSDEC in *Fish and Wildlife Impact Analysis for Inactive Hazardous Waste Sites* (1991). This guidance document outlines a phased approach for the evaluation of fish and wildlife concerns associated with the remediation of inactive hazardous waste sites. It centers on the assessment of habitats and their contingent fish and wildlife resources.

1.2.8 Preliminary Qualitative Habitat-Based Assessment

A qualitative assessment of vegetation cover types and habitats was performed for the North Albany Former MGP Site and the area within a 0.5-mile radius of the site perimeter, collectively designated as the study area. This assessment included documentation of vegetation communities present and wildlife observed during field investigation. Pursuant to NYSDEC guidance for the Step I - Site Description, documented fish and wildlife resources within a 2-mile radius of the site were also identified.

Vegetation cover types within the area were characterized and a total of six sample stations were recorded during the investigation. Due to the structures and impervious surfaces at the site, the majority of the 25-acre site does not provide habitat for wildlife species. Approximately 60 percent of the 0.5-mile radius study area is currently in industrial use. This area contains very little vegetation and provides minimal wildlife habitat.

A total of four bird species were observed within the 0.5-mile radius area of the North Albany Former MGP Site during the site investigation. The species observed within the study area were the Black Duck, House Sparrow, American Goldfinch and Rock Dove (Domestic Pigeon).

Mammal species were not observed during the site investigation. Several species could, however, reside within the riparian and edge habitats along the Hudson River including the muskrat, raccoon, striped skunk, opossum, woodchuck, eastern gray squirrel, eastern cottontail and various species of mice.

Within the 2-mile radius study area, aquatic habitats are limited to the Hudson River, several unnamed tributaries to the Hudson River, two reservoirs, and Tivoli Lake and Littles Lake.

The Hudson River in the vicinity of the North Albany Former MGP Site supports a warm water fishery including species such as largemouth and smallmouth bass, rock bass, various sunfish species, carp, and other cyprinids, walleye, northern pike, tiger muskellunge, channel catfish and brown bullhead.

Wetlands within a 0.5-mile radius were restricted to the riparian habitat along the Hudson River.

Because of the absence of potential surface soil exposure, due to the on-site cover and the lack of vegetation, the surface soil is not being considered as a potential pathway for contaminant exposure. Streams or waterways are not present in the vicinity of the site; therefore, potential contaminants from the site cannot be discharged into the Hudson River from a surface water source. Overland flow would be impeded by the railroad tracks, industrial facilities, and Route 787, all of which are located between the site and the Hudson River.

1.3 RECOMMENDATIONS

Based on the data generated, the following recommendations for additional investigation at the North Albany Former MGP Site are made.

A followup Remedial Investigation/Feasibility Study is needed to delineate the presence and extent of MGP residues in the vicinity of SB-5, SB-14, TP-4/5, MW-2, SB-18 and SB-19/19A. Further investigation to address commingled material detected in the subsurface is proposed in the vicinity of MW-8, north and east of Building No. 2, and MW-6. In addition, off-site surface samples are needed to establish background levels. A storm sewer system study is recommended based on the results of sediment/debris samples obtained at locations SD-1 and SD-2 and additional rounds of water level measurements, separate phase measurements and groundwater samples are recommended.

1.2.1 Objectives

As indicated in the NYSDEC's Order on Consent, the purpose and objectives of the PSA/IRM Study is to collect sufficient data such that initial evaluations can be made regarding the following:

- The nature and presence of hazardous substances, including MGP by-products on-site and off-site, if necessary
- The potential threat to public health or the environment
- The necessity for additional remedial investigations
- The appropriate IRMs or corrective actions to address the nature and extent of MGP residues and other contaminants possible associated with identified SWMUs identified as part of the Part 373 permit, RCRA corrective action located in Module III.

1.2.2 Hydrogeological Investigation Results

Results of the subsurface soil and test pit investigations show four distinct geologic deposits present beneath the site. The unconsolidated deposits consist primarily of fill, glacial-fluvial sediments, and till. Beneath these deposits lies the Snake Hill Shale (bedrock). Water level measurements indicate the water table occurs between 5 and 16 feet below the ground surface, generally flowing east-southeast toward the Hudson River.

1.2.3 Surface Soil and Storm Drain Results

No volatiles, pesticides or polychlorinated biphenyls (PCB) constituents were detected in the surface soils above the NYSDEC recommended soil clean-up levels. Polycylic aromatic hydrocarbons (PAHs) (benzo(a)pyrene and dibenzo(a,h)anthacene) however, were present in the surface soils above the NYSDEC recommended soil clean-up levels. Metals (beryllium, chromium, iron, mercury, nickel and zinc) and cyanide were also detected in the surface soils above the NYSDEC recommended soil clean-up levels.

Surface soil - only PAHs + metals

One volatile organic compound (VOC) (ethyl benzene) and low concentrations of PAHs were detected in the two sediment/debris samples collected. Pesticides and PCBs detected in the sediment/debris included dieldrin, gamma-chlordane, Aroclor-1254 and Aroclor-1260. Cyanide was not detected in these samples.

1.0 EXECUTIVE SUMMARY

This Preliminary Site Assessment/Interim Remedial Measures (PSA/IRM) Study was prepared by the Foster Wheeler Environmental Corporation, on behalf of the Niagara Mohawk Power Corporation (NMPC), to present, evaluate and interpret the data generated from the various tasks performed during the PSA/IRM Study at the North Albany Former Manufactured Gas Plant (MGP) Site.

The PSA/IRM Study is based on the activities outlined in the Work Plan for Preliminary Site Assessment/Interim Remedial Measures Study for the North Albany Former MGP Site in Albany, New York (May 1994) as approved by the New York State Department of Environmental Conservation (NYSDEC) in a letter to NMPC dated June 8, 1994.

The PSA/IRM Work Plan for the site addressed MGP and non-MGP issues raised by the NYSDEC. The MGP investigation is being performed pursuant to the requirements of the NYSDEC Order on Consent dated November 1992. The non-MGP concerns were investigated to fulfill part of NMPC's 6 NYCRR Part 373 Hazardous Waste Permit requirements under the NYS Environmental Conservation Law (ECL) for a Treatment, Storage and Disposal (TSD) facility at the North Albany complex which became effective January 6, 1995. By agreement with NYSDEC, several solid waste management units (SWMUs) have been identified in the Part 373 permit and are discussed in this Study.

1.1 SITE BACKGROUND

The North Albany Former MGP Site is located on Broadway in the City of Albany, Albany County, New York. The North Albany facility occupies approximately 25 acres and comprises numerous buildings, parking lots and storage areas. The site, which is currently used as an NMPC Service Center, is surrounded by urban/industrial land use including several small factories, businesses, and a small railyard. Approximately one acre in the central portion of the site is occupied by the NMPC eastern regional TSD facility.

1.2 SITE ASSESSMENT

The PSA/IRM Field Investigation consisted of drilling soil borings (37), installation of monitoring wells (14), excavation of test pits (8), a qualitative risk and habitat-based assessment, and the sampling of various media (surface soil (2), sediment/debris (2), subsurface soil (120), groundwater (25) and air (16)). The field activities commenced in June and were completed in December 1994.

Further investigation of Solid Waste Management Units is proposed, particularly in the area of SWMUs identified as S-3, S-4, S-7 and B-2, where chemical constituents were detected above the NYSDEC recommended soil clean-up levels. Additional investigation in the area of MW-10 is also recommended to address the vertical and areal extent of petroleum constituents and to address potential off-site migration, if any. This location is a potential new area of concern.

1.4 ORGANIZATION OF THIS STUDY

The remaining sections of this Study present and discuss the field activities associated with the PSA/IRM Study, data generated, and conclusions and recommendations. Section 2.0 outlines the purpose and objectives of the PSA/IRM Study and provides information on the site's location and history. In addition, the regional geology and hydrology is described. In Section 3.0, the scope of work is discussed. Section 4.0 provides the results of the Preliminary Site Assessment, including the site geology, hydrogeology, and analytical testing results. In Section 5.0, the qualitative risk and habitat-based assessment of the fish and wildlife in the vicinity of the site are discussed. Finally, in Section 6.0, the conclusions and recommendations based upon the completion of the PSA/IRM Study are provided.

2.0 INTRODUCTION

This Preliminary Site Assessment/Interim Remedial Measures (PSA/IRM) Study was prepared by the Foster Wheeler Environmental Corporation, on behalf of the Niagara Mohawk Power Corporation (NMPC), to present, evaluate and interpret the data generated from the various tasks performed during the PSA/IRM Study at the North Albany Former Manufactured Gas Plant (MGP) Site.

The PSA/IRM Study is based on the activities outlined in the Work Plan for Preliminary Site Assessment/Interim Remedial Measures Study for the North Albany Former MGP Site in Albany, New York (May 1994). That Work Plan prepared by O'Brien & Gere Engineers, Incorporated was approved by the New York State Department of Environmental Conservation (NYSDEC) in a letter to NMPC dated June 8, 1994.

The PSA/IRM Work Plan for the site addressed MGP and non-MGP issues raised by the NYSDEC. The MGP concerns are related to the past MGP operations at the facility. The MGP investigation is being performed pursuant to the requirements of the NYSDEC Order on Consent dated November 1992. The non-MGP concerns were investigated to fulfill part of NMPC's Part 373 Hazardous Waste Permit requirements under the NYS Environmental Conservation Law (ECL) for a Treatment, Storage and Disposal (TSD) facility at the North Albany complex. By agreement to with NYSDEC, several solid waste management units (SWMUs) (Appendix A) have been identified in the Part 373 permit which became effective January 6, 1995. Both the MGP and non-MGP concerns are discussed within this Study.

2.1 PURPOSE AND OBJECTIVES OF INVESTIGATION

As indicated in the NYSDEC's Order on Consent, the purpose and objectives of the PSA/IRM Study is to collect sufficient data such that initial evaluations can be made regarding the following:

- The nature and presence of hazardous substances, including MGP by-products on-site and off-site, if necessary
- The potential threat to public health or the environment
- The necessity for additional remedial investigations

- The appropriate IRMs or corrective actions to address the nature and extent of MGP residues and other contaminants possibly associated with SWMUs identified as part of the Part 373 permit, RCRA corrective action located in Module III.

2.2 SITE LOCATION

The North Albany Former MGP Site is located on Broadway in the City of Albany, Albany County, New York. Figure 2-1 shows the site location (USGS - Troy South Quadrangle). The North Albany facility occupies approximately 25 acres and comprises numerous buildings, parking lots and storage areas (Figure 2-2). The site, which is currently used as an NMPC Service Center, is surrounded by urban/industrial land use including several small factories and businesses and a small railyard to the east. Interstate 1-787 and the Hudson River are located beyond the railyard to the east.

A majority of the site is paved and covered by buildings. Several of the storage areas in the southern part of the site are covered with gravel and crushed stone. Approximately one acre in the central portion of the site is occupied by the NMPC eastern regional Treatment, Storage and Disposal (TSD) facility. Buildings No. 3 and 4 (see Figure 2-2) on the site were remnants from the former gas plant facilities and were demolished during the summer of 1994.

2.3 SITE HISTORY

Prior to the construction of the coal gas plant, the site was part of the Stephen Van Rensselaer estate, which was primarily farmland and residential. In 1872, the People's Gas Light Company constructed the first plant at the site. The facility consisted of a coal shed, horizontal purifier house, a gasometer and an office. The plant was bordered on the north by a depot and stables owned by the Troy and Albany Railway; to the east by an ice house and an unidentified building labelled "Colby and Kelly"; to the west by Broadway; and to the south by a lumber company.

By the 1880s demand had exceeded expectations, and it was necessary to consolidate separately-owned operations to develop larger, more efficient production units. Between 1885 and 1888, the Municipal Gas Company of Albany purchased the properties of the three gas light companies in the area, including the North Albany site, and integrated their manufacturing plants and distribution systems. In 1892, the Municipal Gas Company added three small gas holders, a lime/oxide house, and a machine shop/storage building on the eastern portion of the property. Also, in 1892, the retort house was converted to water gas with the replacement of Williamson sets. To the north, United Traction, a company specializing in generation of electricity for the trolley service, was located where the Troy and Albany Passenger Railway once operated. To

the south, adjacent to Bridge Street, was the Hart and Fleet Planning Mill and the Hudson Valley Ice Company.

In 1907, the Municipal Gas Company expanded on the south side of the property with the addition of a 2 million cubic foot gas holder to increase storage capacity and a multipurpose building (carriage house/meter storage, repair shop). In 1924, a new 3 million cubic foot gas holder was installed at the Municipal Gas Plant, increasing the total storage capacity to 5 million cubic feet.

In 1927, New York Power and Light (NYP&L) acquired the Municipal Gas Company site and made additional expansions and renovations. By 1931, the property had expanded to the south through various deed acquisitions. Also, between 1930 to 1940, the 250,000 cubic foot gas holder and retort house were demolished, an educational building and an 80-car service building were constructed, and two more purifiers were added on the south end of the purifying house.

Also in the 1930s, the NYP&L purchased several properties from Albany Lumber and Planning Company, Hudson Valley Ice Company, D&H Railroad, Paradise Oil Company and Beacon Oil Company. One property along Broadway was used by Standard Oil as a gas station.

In the 1950s, NYP&L became part of NMPC, which continued to operate the site as a regional service center for gas and electric operations. Several new buildings were added to the northeast and southwest parts of the site. A hazardous waste storage facility was located at Building No. 1. Regulations promulgated pursuant to the Toxic Substances Control Act (TSCA) required permitting of the storage facility.

In the 1980s, the regional NMPC hazardous waste treatment, storage and disposal (TSD) facility was added to the North Albany Former MGP Site.

2.4 REGIONAL SETTING

2.4.1 Regional Geology

The site is located in the Hudson-Champlain Lowland (Fisher,1984). The bedrock encountered beneath the site is the Black Snake Hill Shale which is exposed in road cuts west of the site (Ruedeman, 1930). The depth to bedrock generally varies between 16 and 24 feet in the western/northwestern part of the Site, and generally greater than 25 feet deep in the east/southeastern part of the site. The bedrock is overlain by fill, glacial-fluvial deposits and till with the following thicknesses:

- Fill (i.e., sand, cinders, brick, concrete, gravel, slag, foundry sand, wood, coal, silt, ash) -- not detected (ND) to 14 feet thick

- Glacial-Fluvial (clay, silt with layer of sand and gravel) -- 4 to 31 feet thick

- Till (dense clayey silt or silty sand with some gravel or shale) -- 1 foot to 9 feet thick

2.4.2 Regional Hydrology

The top of the water table aquifer is located near the bottom of the fill layer, ranging from 5 to 16 feet below the ground surface. Regional groundwater flow direction is toward the Hudson River, which is located east-southeast of the site. The bedrock beneath the site, the Snake Hill Shale, has a low hydrologic yield (Cushman, 1950).

2.4.3 Groundwater Usage in Site Vicinity

The groundwater and surface water in the vicinity of the site are not used as drinking water sources. The residents of North Albany receive their drinking water supply from the Alcove Reservoir, located approximately 12 miles south of the City of Albany, New York.

2.4.4 Soils

The site soil is predominantly fill with widely varying soil characteristics. Surface soils at the site are classified as urban soil by the U.S. Department of Agriculture Soil Conservation Service (SCS, 1983). For much of the site, the soils have been disturbed and consist of fill or have been subject to excavation and regrading activities.

3.0 SCOPE OF WORK

3.1 INTRODUCTION

This section describes the tasks performed as part of the PSA/IRM Study between June 30 and December 1, 1994. A detailed description of the scope of work approved by the NYSDEC is presented in the Work Plan for Preliminary Site Assessment and Interim Remedial Measures Study for the North Albany Former MGP Site in Albany, New York (May 1994) prepared by O'Brien & Gere Engineers Incorporated. The PSA/IRM field activities discussed below were performed at the site. All work being performed at the site was in accordance with the Sampling and Analysis Plan (Appendix A of the NYSDEC approved Work Plan).

3.2 FIELD INVESTIGATION

3.2.1 Site Reconnaissance

Prior to the commencement of field activities, the Underground Facilities Protective Organization (UFPO) was contacted to mark out underground utilities at the site. In addition, NMPC gas and electric personnel marked out subsurface utilities in the vicinity of the sampling locations.

On June 30 and July 1, 1994 the site reconnaissance task was performed including the identification and marking of all soil boring, monitoring well, and sampling locations. Each location was evaluated with respect to overhead and underground obstructions. A metal detector was utilized to screen sampling locations for the presence of metallic objects (i.e., tanks, pipes, etc.). No metallic objects were detected at the sampling locations by utilizing the metal detector. Also during the reconnaissance, a staging area for equipment and materials, office space, and a sampling equipment storage area was identified.

3.2.2 Subsurface Soil Investigation

Prior to the start of the subsurface soil investigation, mobilization for the subsurface soil investigation commenced on August 31, 1994. At this time, the drilling subcontractor, SJB Services, Inc. mobilized their equipment and supplies to the site. In addition, a decontamination pad was constructed and all drilling equipment and tools were decontaminated, in preparation for field work.

Thirty-seven soil borings were drilled at on-site locations (as illustrated in Figure 3-1) between September 6 and October 18, 1994. Two soil borings, SB-21 and SB-22, were not drilled at

the site as planned; these locations in Building No. 5 were eliminated from the PSA/IRM Work Plan with the concurrence of the NYSDEC. Investigation of the underground structures of interest at Building No. 5 was deferred for future evaluations, as specified in the RCRA permit Special Condition No. 7. The underground structures are an oil/water separator and skimmed oil collection tank identified as solid waste management units T-1 and T-4, respectively.

The soil borings were advanced using hollow stem augers until unweathered (competent) bedrock was encountered. At that time, the soil borings were abandoned in accordance with the Sampling and Analysis Plan. The soil boring logs provided in Appendix B, include soil descriptions, analytical sampling intervals, field instrumentation readings and observations of contamination. The data summarized on the soil boring logs were utilized to construct several geologic cross sections of the site. These geologic cross sections, the analytical testing program and analytical data from the subsurface soil investigation are exhibited and discussed in Section 4.0.

3.2.3 Test Pit Investigation

In accordance with the Sampling and Analysis Plan, eight test pits (TP-1 through TP-8) were excavated between October 3 and 4, 1994 at on-site locations, as illustrated on Figure 3-1. The test pit excavations were used to document and delineate historic MGP structures, and to evaluate the nature of MGP residues or by-product material associated with the former MGP operations at the site. As per the procedures in the Sampling and Analysis Plan, the test pits were to be excavated to a maximum depth of 10 feet below the ground surface or to the top of the water table. Based on site conditions (high water table), the depth of the excavations were limited to 2 to 7 feet below the ground surface. Soil samples were collected for chemical analysis (Target Compound List (TCL) and Target Analyte List (TAL) parameters) from each test pit excavation. Based on instrumentation screening and visual/olfactory inspection, a soil sample was collected from each distinct suspected MGP-related by-product or other residue type encountered in the test pit. Each soil sample was collected from the backhoe bucket after gathering a representative sample from the wall of the excavation. The analytical data associated with these samples are discussed in Section 4.0 and the test pit investigation records are provided in Appendix C.

3.2.4 Surface Soil Investigation

Two surface soil samples (SS-1 and SS-2) as shown in Figure 3-1 were collected at the site in accordance with the Sampling and Analysis Plan (Appendix A of the NYSDEC approved Work Plan). These samples were collected to evaluate the nature of potential metals contamination in the vicinity of the former mercury storage area. The analytical testing results are discussed in Section 4.0.

3.2.5 Storm Drain Investigation

Two sediment/debris samples (SD-1 and SD-2) were collected from storm drains at the North Albany Former MGP Site as shown on Figure 3-1 in accordance with the Sampling and Analysis Plan (Appendix A of the NYSDEC approved Work Plan). These samples were used to evaluate the nature of potential MGP residue in the storm drains at the site. The analytical test data are discussed in Section 4.0.

3.2.6 Hydrogeologic Investigation

Fourteen monitoring wells (MW-1 through MW-14) were installed in the water table aquifer at on-site locations as illustrated in Figure 3-1. The wells were installed between September 7 and October 3, 1994 in accordance with the Sampling and Analysis Plan (Appendix A of the NYSDEC approved Work Plan). The wells were screened across the water table surface (with the exception of MW-14, which was screened at the base of the water table aquifer). The wells were installed to provide a point for collection of groundwater samples and to provide hydrologic measurements and to evaluate the nature of MGP residue sources, as well as to contribute to site-specific geologic characterization. The monitoring well construction diagrams are provided in Appendix D.

The wells were developed between October 10 and 19, 1994 prior to the collection of a groundwater sample using the pump and surge method, then pumped at a low flow rate with a submersible pump until the turbidity measurements reached 50 NTUs or less. This modified development procedure was accepted by the NYSDEC in a letter to NMPC dated October 18, 1994. Monitoring wells which were observed to contain separate phase tar-like, oily material were developed by manual bailing. The development water was containerized on site, sampled, tested and disposed of in accordance with NYSDEC guidelines.

Using an oil/water interface probe, two rounds of water level and separate phase liquid measurements were collected from the on-site monitoring wells (Figure 3-1). Table 3-1 summarizes the water table elevations relative to mean sea level (MSL) from the fourteen monitoring wells. In addition, estimated thickness of separate phase liquid, if observed, is shown on Table 3-1. This water level data was utilized to construct the water table contour maps presented in Section 4.0.

TABLE 3-1

WATER LEVEL AND SEPARATE PHASE MEASUREMENTS

Location	Reference Point (FT-MSL)	Water Level Elevation - FT-MSL (Separate Phase Thickness-Feet) October 20, 1994	Water Level Elevation - FT-MSL (Separate Phase Thickness-Feet) November 29, 1994
MW-1	22.93	14.75	14.55
MW-2	26.51	19.80	18.76
MW-3	21.77	14.87	14.83
MW-4	19.52	13.23 (0.01 ft)*	12.84 (0.15 ft)*
MW-5	20.25	15.29 (0.10 ft)*	15.04 **
MW-6	~16.63	~8.90	Paved over
MW-7	17.84	13.06 **	14.19 **
MW-8	19.22	10.80	10.24
MW-9	21.24	9.42	9.63
MW-10	17.45	6.36	5.36 (0.47 ft)*
MW-11	20.97	4.94	4.22
MW-12	20.27	6.49	6.14
MW-13	21.98	8.28	7.48 **
MW-14	17.63	6.70	6.42

FT-MSL = Feet - Mean Sea Level.
* = Measured thickness of non-aqueous phase liquid.
** = Separate phase not measurable however, screen/riser was observed to be coated with tar.

Any separate MW 10 in Oct 94?

3.2.7 Groundwater Investigation

Two rounds of groundwater samples were collected from 13 monitoring wells on November 1 and 3, 1994 (Round I) and November 29 and December 1, 1994 (Round II). These samples were collected to characterize groundwater beneath the site and to assess potential off-site migration, if any, of MGP-related contaminants. Ten of the groundwater monitoring wells were purged with a peristaltic pump prior to sampling as accepted by the NYSDEC, and is summarized in a letter to the NYSDEC dated October 26, 1994. Due to the presence of separate phase liquids floating on the water table surface, monitoring wells MW-4,-5 and-7 were purged manually with a bailer. A Round II groundwater sample was not collected from MW-6 because this location had been paved over and could not be located. All groundwater samples were collected with dedicated disposable bailers and polypropylene line. The analytical groundwater data is discussed in Section 4.0.

3.2.8 Air Investigation

During the PSA/IRM Investigation, the Health and Safety Officer (HSO) monitored the sampling locations during subsurface activities using a flame ionization detector, organic vapor analyzer (OVA), and a combustible gas indicator (CGI). Instrumentation readings were collected approximately every ten minutes during drilling activities, except when odors or high readings were observed, subsequent readings were collected more frequently. In addition, readings were collected from each split-spoon sampler and during test pitting to identify locations for the collection of soil samples for chemical analysis. Instrument readings are documented on the soil boring logs (Appendix B) and test pit investigation records (Appendix C). During each day of the test pit investigations, one upwind and two downwind air sampling stations were set up to collect air samples. Based on the analytical data generated from the air sampling investigation, the potential for off-site release resulting from these operations could be evaluated. Results of the air analytical samples collected during the test pit investigation task are discussed in Section 4.0.

3.2.9 Surveying Task

Following the completion of the field activities at the site, NMPC's surveyors located the sampling points (i.e., monitoring wells, soil borings, test pit excavations, surface soil and sediment/drain samples) and provided the elevation above mean sea level (ground surface) for each. For the monitoring well locations, the surveyors also determined the elevation of the top of the inner PVC riser. The survey elevations are provided in Appendix F.

4.0 SITE ASSESSMENT

This section presents the results of the PSA Investigation (geology, groundwater hydrogeology, and analytical testing program) completed at the North Albany Former MGP Site. The results discussed in this section are based on data generated from the field investigation described in Section 3.0.

4.1 SITE HYDROGEOLOGY

4.1.1 Geology

The results of the subsurface soil and test pit investigations are illustrated in the soil boring logs (Appendix B) and test pit investigation records (Appendix C). The geologic data generated from the investigation show four distinct geologic deposits present beneath the site. These geologic deposits are illustrated on the six geologic cross sections prepared along the transects shown on Figure 4-1. Of the six cross sections, three are aligned northeast to southwest (Sections A-A', B-B', and C-C') and three are aligned northwest to southeast (Sections D-D', E-E' and F-F') are provided as Figures 4-2, 4-3, 4-4, 4-5, 4-6, and 4-7, respectively.

The four geologic deposits in descending order from the surface are: fill, glacial-fluvial sediments, till and bedrock, each of which is discussed below. The fill material consisted primarily of sand and gravel, but also included brick, cinders, slag, wood, coal, and ash. The thickness of the fill varied from 0 (MW-1) to 14 feet (SB-18), but generally ranged between 4 feet and 8 feet in thickness.

Beneath the fill layer was glacial-fluvial material, consisting of sands, silts, and gravels with occasional lenses of silty clays and organics (peat). The glacial-fluvial layer ranged in thickness from 4 feet (MW-3) to 31 feet (MW-11).

Till deposits located beneath the glacial-fluvial material consisted of dense clayey silts with shale fragments and occasional sand and gravel inclusions. Till thicknesses ranged from approximately 1 foot (SB-20) to 9 feet (MW-2).

The bedrock unit, the Snake Hill Shale was encountered beneath the site. The competent grey shale was frequently overlain by a small (0.25 - 1 foot) weathered shale interval. Depth to bedrock varied between 13.5 feet and 38 feet below grade (MW-3 and MW-11, respectively). Depth to bedrock was observed to be greater in the eastern and southern portions of the site and shallower along the northern site boundary.

4.1.2 Groundwater Hydrogeology

The fourteen monitoring wells included in the PSA Investigation, were installed to straddle the water table, with the exception of MW-14, which was installed at the base of the water table aquifer sitting atop the till layer. Two rounds of water level measurements were collected, one on October 20, 1994 and the second on November 29, 1994. Product thickness, if any, was measured and recorded at this time. The results of the two rounds of measurements tabulated in Table 3-1, were used to construct two water table piezometric surface contour maps of the site as illustrated in Figures 4-8 and 4-9. Based on this data, the groundwater flow direction in the water table aquifer is to the east-southeast towards the Hudson River, approximately 2,400 feet east of the site.

The water table gradients in the northern corner of the site and in the middle portion of the site were calculated to be approximately 0.035 feet/foot. In the southern half of the site the water table gradient was lower, approximately 0.004 feet/foot.

As illustrated on Figures 4-8 and 4-9, a groundwater mound was observed in the subsurface at MW-5 located adjacent to the west corner of Building No.5. Considering the available data for this part of the site, the water table surface was approximately 3 feet higher in elevation than anticipated. Facility drawings show a water line in the vicinity of this monitoring well location which may be contributing to this mounding in the water table aquifer.

4.2 PSA INVESTIGATION - CONTAMINATION ASSESSMENT

Part of the PSA Investigation conducted at the North Albany Former MGP Site was a multimedia environmental sampling and analysis program. This program included the collection and analysis of surface soil, storm drain sediment/debris, and subsurface soil samples from across the site to determine the presence and nature of hazardous substances, including MGP by-products, in the soils. Groundwater samples were also collected (during two separate rounds of sampling) to test for potential groundwater contamination; and air samples were collected to assess potential impacts to ambient air quality during the excavation of the test pits.

All soil, groundwater, sediment/debris and air samples were submitted to Nytest Environmental, Inc. (NEI) for laboratory analysis for various chemical parameters. All data generated by the laboratory was validated by an environmental chemist familiar with the analyses and certified by USEPA Region II to perform organic and inorganic data validation. The laboratory program included the following analyses:

- NYSDEC-ASP Target Compound List (TCL) Volatile Organics (VOCs)
- NYSDEC-ASP TCL Semi-Volatile Organics (SVOCs)
- NYSDEC-ASP TCL Pesticides and Polychlorinated Biphenyls (PCBs)
- Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX)
- Polycyclic Aromatic Hydrocarbons (PAHs)
- NYSDEC-ASP Target Analyte List (TAL) Metals and Cyanide
- Toxicity Characteristic Leaching Procedure (TCLP) Testing
- Petroleum Product Fingerprinting

The tabulated results of the sampling investigation are summarized by environmental medium in Appendix E.

The selection of chemical analyses to be performed focused on those constituents characteristic of MGP residues. The majority of the subsurface soil samples were analyzed for monocyclic aromatic hydrocarbons (BTEX compounds), polycyclic aromatic hydrocarbons (PAH compounds) and/or cyanide. Full NYSDEC-ASP TCL/TAL analyses were performed on approximately 25 percent of the subsurface soil samples to identify non-MGP-related contaminants. All of the groundwater samples were analyzed for full NYSDEC-ASP TCL/TAL parameters.

Laboratory TCLP testing for metals (including mercury) was performed on two surface soil samples and three subsurface soil samples to help evaluate potential metals contamination. Petroleum fingerprint analysis was conducted in two test pit samples to test for possible petroleum product contamination.

Twenty soil samples were analyzed for various geotechnical parameters (such as grain size, moisture content and total organic carbon) to help characterize the geologic units beneath the site. Hardness, total dissolved solids, chloride, and other conventional water quality parameters were analyzed during both rounds of groundwater sampling. Air samples collected during the test pit investigation were analyzed for BTEX and PAHs.

The analytical results were compared to NYSDEC recommended guidance values for soil and groundwater, provided in Table E-2 of Appendix E. Site surface and subsurface soil concentrations, discussed in Sections 4.2.2 and 4.2.3, were reviewed against the soil clean-up objectives recommended in the NYSDEC Division Technical and Administrative Guidance Memorandum, Determination of Soil Clean-up Objectives and Clean-up Levels (January 1994, revised from November 1992). Groundwater analytical results, discussed in Section 4.2.4, were compared with levels specified in NYSDEC Ambient Water Quality Standards and Guidance Values (October 1993). Class GA groundwater values were applied, as Class GA waters are

defined as fresh groundwaters which are used as a source of potable water supply (NYSDEC Water Quality Regulations, Title 6, Chapter X, Part 703.5, March 1986). To assist in the comparison of results, compound concentrations on the data tables in Appendix E that are above the NYSDEC recommended guidance values are highlighted with shading.

In Sections 4.2.2 through 4.2.4, where the site analytical data are compared with the NYSDEC recommended guidance values for soil and groundwater, the sampling locations in the vicinity of the present solid waste management units (SWMUs) are identified and discussed. The SWMUs (MGP and non-MGP) at the site have been defined in NMPC's Part 373 Hazardous Waste Permit. The analytical data for locations where MGP residues and non-MGP constituents are commingled are considered MGP-related since they contain MGP residuals. Also, a new potential area of concern associated with non-MGP (petroleum) operations is identified.

4.2.1 Quality Control Results

Quality control samples consisting of field blanks (FBs), trip blanks (TBs), and field duplicates were collected during the site investigation to assess the accuracy and precision of the field sampling. The analytical results for the quality control samples can be found in the associated sample matrix tables in Appendix E. Field and trip blank results will be discussed below; while the field duplicates will be discussed along with their associated samples in Sections 4.2.2 through 4.2.4.

One volatile organic compound (methylene chloride) and two semi-volatile organic compounds (phenol and diethylphthalate) were detected in at least one of the field blank samples. Because the concentrations are low and potentially the results of intralaboratory contamination, the detected compounds are not considered to be indicative of sample cross-contamination from inadequate decontamination of sampling equipment. No pesticide/PCB or metal constituents were detected in the field blanks.

A trip blank sample was included in each shipment of aqueous volatile organic samples, to assess the possibility of cross-contamination during shipment. Methylene chloride was detected in six trip blanks, and acetone was detected in three trip blanks, all at concentrations below 11 ppb. Acetone and methylene chloride are relatively common laboratory contaminants, and there was only one detection of methylene chloride (100 ppb) and none of acetone within the actual groundwater sample results. These trip blank concentrations do not indicate sample cross-contamination and do not impact the sampling results.

4.2.2 Surface Soil and Storm Drain Results

Two surface soil samples (i.e., soils less than 2 feet in depth) were collected in an area south of the main building (see Figure 3-1 for sampling locations). These sampling locations (SS-1 and SS-2) near the former mercury storage area and the current Treatment, Storage or Disposal (TSD) facility area were selected to evaluate the potential for area contamination, especially for metals. The two surface soil samples were analyzed for full NYSDEC ASP-TCL/TAL parameters (see Appendix E, Tables E-3 through E-7), and the resulting concentrations were compared to the NYSDEC Soil Clean-up Objective Levels (Table E-2). Also, the silty deposit in the bottom of two storm drain outfall pipes was collected and analyzed for NYSDEC ASP-TCL/TAL constituents (Tables E-8 through E-12). As shown in Figure 3-1, the two storm drain sediment/ debris sampling locations are on the northern half of the site property, one to the east (SD-1) and one to the west (SD-2) of the approximate middle of the former MGP site. As these samples are neither sediment samples from aquatic ecosystems (in which criteria are related to potential toxicity and bioaccumulation in benthic organisms) nor surface or subsurface soil samples, there are no appropriate criteria to use for comparison. Total BTEX, total PAH and cyanide concentrations for the surface soil and the storm drain samples are shown on Figure 4-10.

No volatile constituents were detected in the surface soil samples above their respective NYSDEC recommended soil clean-up guidance values (see Table E-3). Total BTEX concentrations were 0.003 ppm for SS-1 and 0.004 ppm for SS-2 (as shown on Figure 4-10). Volatile organics were detected in the storm drain sediment/debris samples; ethylbenzene, at 37 ppm, was the individual VOC found at the highest concentration (see Table E-8). Total BTEX results for these two locations (as shown on Figure 4-1) were 64.8 ppm (SD-1) and 0.01 ppm (SD-2).

The individual PAHs detected in SS-2 at concentrations above NYSDEC recommended guidance values for soil clean-up were limited to benzo(a)pyrene, which was detected at 0.12 ppm, and dibenzo(a,h)anthracene, at 0.042 ppm. The total for all PAH compound concentrations present at location SS-2 was 2.23 ppm (see Figure 4-10). There were 21 semi-volatile compounds detected during the semi-volatile organic analysis of the storm drain sediment samples (see Appendix E, Table E-9), although most were at very low concentrations. Total PAHs summed to 154 ppm (SD-1) and 18.6 ppm (SD-2) for the storm drain sediment/debris (Figure 4-10).

No pesticide or PCB constituents were present in the surface soils (SS-1 and SS-2) above NYSDEC recommended guidance values for soil clean-up levels. The pesticides/PCBs detected in the storm drain sediment/debris samples were limited to dieldrin (0.21 ppm in SD-1 and 0.035 ppm in SD-2), gamma-chlordane (0.14 ppm in SD-2), Aroclor-1254 (0.55 ppm in SD-2), and Aroclor-1260 (4.6 ppm in SD-1).

Six metals (i.e., beryllium, chromium, iron, mercury, nickel, and zinc) were present within the surface soils at concentrations above their respective NYSDEC recommended soil clean-up guidance values. Cyanide was not detected within the two surface soil samples. In surface soil sample SS-1, beryllium was detected at 0.45 ppm, iron at 5,830 ppm, mercury at 0.31 ppm, and zinc at 24.8 ppm. Concentrations of 0.45 ppm (beryllium), 18,800 ppm (iron), 0.11 ppm (mercury), and 71.5 ppm (zinc) were found in surface soil sample SS-2. Chromium and nickel were also detected at location SS-2, with concentrations of 11.5 ppm (chromium) and 15.6 ppm (nickel). The detected concentrations of mercury may have originated from site practices, as the surface soil samples were located near the former mercury storage area. In general, the concentrations of the metals detected within the storm drain sediment/debris samples were of comparable magnitude to the surface soil samples (see Appendix E, Tables E-6 and E-11). No cyanide was detected in the storm drain/debris samples.

The two surface soil samples were analyzed for metals (including mercury) by TCLP testing. No metal analytes were detected at concentrations above the TCLP regulatory levels determined by USEPA and conformed to by NYSDEC (see Appendix E, Table E-23). Mercury, for which there is no TCLP limit, was not detected.

4.2.3 Subsurface Soil Results

As shown in Figure 3-1, subsurface soil samples were collected from various locations and depths at the North Albany Former MGP Site, from soil boring (SB) and monitoring well boring (MW) locations and from test pit excavations (TP). There were approximately 120 subsurface soil samples from 43 separate borings/test pits submitted for laboratory analysis; approximately 75 percent of them were also submitted for BTEX, PAH and cyanide analyses, and 25 percent for full NYSDEC ASP-TCL/TAL analyses. In addition, three subsurface soil samples were analyzed for metals by TCLP testing procedures. The subsurface soil results are tabulated in Appendix E, Tables E-13 through E-25. Total BTEX, total PAH, and cyanide concentrations for the subsurface soil samples are presented in Figure 4-11.

During the soil boring, monitoring well, and test pit investigations, MGP residues and non-MGP petroleum constituents were detected in the subsurface soils beneath the site. Soil contamination was observed in various forms (i.e., separate phase, tar, staining, strong odors, etc.), as illustrated in the soil boring logs (in Appendix B) and on the geologic cross sections (Figures 4-2 through 4-7 presented in Section 4.1.1). The cross sections represent visually-identified contamination encountered during drilling operations. The analytical subsurface soil results for total BTEX and total PAHs are also presented on these figures.

The majority of the visible MGP residues were observed in the soil borings/monitoring wells/test pits to the north/northeast of Building No. 2 (the main office building). The north/northeast portion of the site was where the historical MGP operations were based. Petroleum/fuel-like contamination was observed to the north, to the northeast and to the southeast of Building No. 2. Strong petroleum odors were often accompanied by yellowish brown to black separate phase liquids and/or a sheen on soil and water surfaces.

The TCL volatile organic data are presented in Appendix E, Table E-13, while Table E-19 contains the subsurface soil results for just the BTEX analysis (i.e., benzene, toluene, ethylbenzene and xylenes only). For the BTEX constituents, at least one of the four compounds was detected at levels above NYSDEC recommended guidance values for soil clean-up levels, within 24 of the 43 soil boring, monitoring well, and test pit sampling locations. Individual BTEX concentrations above recommended levels were detected from 0.09 ppm (benzene, SB-23 at 20 to 22 feet) to 2,300 ppm (toluene, SB-18 at 18 to 20 feet); see Appendix E, Tables E-13 and E-19.

Elevated total BTEX concentrations are distributed generally within the soils located 2 to 26 feet below grade at soil borings SB-10 through SB-12, SB-14 through SB-16, SB-18, SB-19, and SB-23; monitoring well borings MW-2, MW-4 through MW-6, MW-8, MW-10, MW-13, and MW-14; and test pit excavations TP-1, TP-2, and TP-5 through TP-8. In Figure 4-11, the locations with elevated total BTEX concentrations are generally located on the northern and eastern sides of the North Albany Former MGP Site property. The northern and eastern portions of the property were historically the main areas of MGP operations on-site.

Other volatile organics (i.e., five non-BTEX constituents) were detected in the subsurface soils at lower concentrations (i.e., less than 17 ppm). Methylene chloride (at 17 ppm in MW-4, 2-4 ft.) and acetone (at 0.42 ppm in MW-10, 10-12 ft.) were present at concentrations above their respective NYSDEC recommended soil clean-up values.

The TCL semi-volatile organic (SVOC) and the polycyclic aromatic hydrocarbon (PAH) analyses indicated the presence of one or more PAHs in many of the subsurface soil samples. In approximately one-third of the subsurface soil samples, either no individual PAHs were detected or individual PAHs were detected at low concentrations (i.e., in the 1 ppm magnitude range or less). Two-thirds of the subsurface soil samples contained numerous individual PAHs at concentrations greater than 1 ppm. Individual PAH compounds were present at concentrations

above NYSDEC recommended soil clean-up values in 15 soil borings, 9 monitoring wells, and 7 test pits (i.e., 31 separate locations). Individual PAH concentrations for the locations which are above recommended soil values ranged from 0.043 ppm (for dibenzo(a,h)anthracene) to 71,000 ppm (for naphthalene). Soil depths with PAH concentrations above recommended soil values ranged from 2 feet to 26 feet in depth, although the most elevated results are generally 6 to 10 feet below grade. Total PAHs were present at concentrations equal to or greater than 500 ppm in 18 soil locations (i.e., 8 borings, 6 monitoring wells and 4 test pits), at various depths ranging from 2 to 22 feet (see Figure 4-2). As shown in Figure 4-2, the soils from the northern and eastern sides of the North Albany Former MGP Site contained elevated total concentrations of PAH and BTEX compounds. As stated previously, historical records have shown that these portions of the site contained MGP-related and petroleum-related facility operations.

Four other semi-volatile organics were detected during the subsurface soil investigation at levels above the NYSDEC recommended guidance values. Dibenzofuran was detected at concentrations which were above its NYSDEC recommended guidance value for soil clean-up within eight samples. These concentrations of dibenzofuran were 170 ppm (SB-11, 8 to 10 ft.), 8.2 ppm (SB-15, 12 to 14 ft.), 15 ppm (TP-1, 3 ft.), 26 ppm (TP-1, 4 ft.), 14 ppm (TP-6, 3.3 ft.), 21 ppm (TP-6, 5 ft.), 31 ppm (TP-7, 7 ft.), and 130 ppm (MW-14, 8 to 10 ft.). Concentrations of carbazole (82 ppm in SB-11 and 77 ppm in MW-14); nitrobenzene (26 ppm in MW-14); and bis(2-ethylhexyl)phthalate (160 ppm in MW-10) were also found to be above NYSDEC recommended subsurface soil guidance values (see Table E-14 of Appendix E).

One pesticide, endrin, was found at a concentration equal to its NYSDEC recommended soil clean-up guidance level. Endrin was detected within the soils of test pit TP-1 (4 ft.) at a concentration of 0.1 ppm which equals its NYSDEC recommended guidance value for soil clean-up. The eleven other pesticides detected were present below NYSDEC recommended soil clean-up values. No known source area, historical documentation of presence or distinct occurrence pattern for any of the detected pesticides was identified during the investigation, and therefore, the low levels of these constituents are most likely from small-scale pest control efforts.

Eleven inorganics detected were present at concentrations which were above their respective NYSDEC guidance values for soil clean-up levels in at least one of the North Albany subsurface soil samples. In general, these elevated concentrations are scattered among the sampled soil depths and across the site property (see Table E-16 in Appendix E), and even occur in MW-1, which can be approximated as background (i.e., it was drilled in an area relatively distanced from the MGP and non-MGP site operations areas). The number of soil samples which showed elevated metal concentrations that were independent of sampling location indicates that the high metal concentrations may be background levels based on the industrial nature of the area or that they are naturally occurring in the soil.

between SB-5 and MGP operations

Cyanide was present at six subsurface soil sampling locations, with concentrations ranging from 0.58 ppm (MW-8, 6 to 8 ft.) to 24 ppm (SB-18, 12 to 14 ft.). As shown in Figure 4-11, locations and depths at which cyanide was detected varied across the site. No NYSDEC recommended soil clean-up objective exists for cyanide.

Three subsurface soil samples were analyzed by TCLP testing for metals. Although five metals (i.e., arsenic, barium, cadmium, chromium, and lead) were detected, as shown in Table E-23 of Appendix E, none of the detected metals were at concentrations which were above their respective TCLP regulatory limits.

The subsurface soils from the northern and eastern sides of the North Albany Former MGP Site contained elevated total concentrations of BTEX and PAH compounds. Historically, these portions of the property were the major areas of MGP and non-MGP (petroleum) operations. Solid waste management units (SWMUs) as illustrated in Appendix A have been identified in this portion of the site (NMPC Part 373 Hazardous Waste Permit).

The elevated concentrations present in the northern-most corner of the site, including subsurface soil sampling locations SB-14, SB-18, SB-19, TP-5, TP-8, and MW-2, are related to the former MGP operations at the site. Coal tar-like residues from the former MGP area have been identified as corrective action SWMU L-1. Non-MGP (petroleum) operations have not occurred in the northern corner of the site, and constituents detected in this area appear to be related to MGP residues.

In comparison, the sample locations to the east-southeast of Building No. 2 (e.g., SB-8 and SB-17) can be related to non-MGP practices. SWMU designations have been identified in the vicinity of these sampling locations. Soil borings SB-8 and SB-17 are located near SWMUs designated S-3 (mercury storage area), S-4 (transformer shop storage area), tank 360-1 (waste oil tank), tank 360-2 (waste oil tank), tank 373-1 (PCB-contaminated waste oil tank), T-6200 (waste oil tank), and T-6300 (PCB-contaminated waste oil tank).

The other subsurface soil locations on the northern/eastern portion of the site have MGP residues and non-MGP (petroleum-related constituents) which are commingled. Locations where commingling was observed include SB-23 and MW-13, located to the east of Building No. 5. These two sampling locations are within SWMU L-1 (the approximate limits of the former MGP operation area) and are near six other SWMUs: DW-1 (dry well), T-1 (oil/water separator), T-3 (waste oil tank), T-4 (oil collection tank), T-10 (waste oil tank), and T-11 (waste oil tank). At this time, a distinction between MGP-related and non-MGP-related constituents cannot be determined for the constituents detected in subsurface borings SB-23 and MW-13. Other sampling location regions without a definitive distinction between MGP residues and non-MGP

(petroleum-related constituents) include the area around SB-10, SB-12, and MW-14 and SB-11, TP-2, SB-16, TP-6, and SB-15 (in the vicinity of and/or downgradient of SWMU T-5, underground gasoline tank) and MW-4 (in the vicinity of SWMU T-6 and T-7, underground gasoline tanks).

NOT DEFINITIVE

A new potential area of concern (AOC) associated with petroleum operations, has been identified. Monitoring well location MW-10 contained chemical constituents in the soil which appear to be indicative of non-MGP petroleum operations. This location is an AOC because it could not be determined from available data if the presence of chemical constituents was a result of routine and systematic releases of wastes or hazardous constituents from wastes.

4.2.4 Groundwater Results

The groundwater underneath the North Albany Former MGP Site generally flows in an easterly-southeasterly direction. Samples were collected from on-site groundwater monitoring wells in two separate sampling rounds, Round 1 (November 1-3, 1994) and Round II (November 29-December 1, 1994). Thirteen monitoring wells were sampled during the Round 1 investigation (along with a duplicate sample MW-39), while only twelve groundwater samples (along with duplicate MW-38) were analyzed from Round II. Monitoring well locations are shown on Figure 3-1. The groundwater samples were analyzed for TCL organics, TAL metals and cyanide. Sample results are summarized in Appendix E, Tables E-26 through E-31 (Round I) and Tables E-32 through E-37 (Round II), and are discussed in the subsections below by sampling round. Total BTEX, total PAH and cyanide concentrations are presented on Figure 4-12 for both Rounds I and II.

well 6 was paved over

During both rounds of the groundwater investigation, separate phase liquids were observed in some of the monitoring wells, as indicated on Table 3-1. Separate phase liquids were identified in the three wells, MW-4, MW-5 and MW-7, during the first round of groundwater level measurements (October 20, 1944). The second round of groundwater measurements (November 29, 1994) found separate phase liquids in the following wells: MW-4, MW-5, MW-7, MW-10 and MW-13. The approximate thickness of the observed separate phases was measured during the actual groundwater sampling (November 1-3, 1994 and November 29-December 1, 1994), and the thickness of the phases is presented in Table 3-1. Viscous black tar was identified in MW-5, MW-7 and MW-13 during both rounds of groundwater sampling.

4.2.4.1 November 1994 Groundwater Results (Round I)

Nine volatile organics were detected during the Round I groundwater sampling. Carbon disulfide (87 ppb); 1,1-dichloroethane (6 ppb and 5 ppb); tetrachloroethene (5 ppb); and 1,1,2,2-

tetrachloroethane (10 ppb) were present at concentrations equal to or above their respective NYSDEC groundwater standard values. BTEX compounds (benzene, toluene, ethylbenzene, styrene, and xylenes) were present in eight of the Round 1 monitoring wells (see Table E-26 of Appendix E). Concentrations of the individual BTEX compounds which were above NYSDEC recommended groundwater values ranged from 34 ppb to 8,700 ppb for benzene, from 12 ppb to 7,400 ppb for toluene, from 50 ppb to 4,400 ppb for ethylbenzene, from 11 ppb to 280 ppb for styrene, and from 6 ppb to 5,300 ppb for xylenes. The maximum total BTEX concentration detected in Round 1 was 26,080 ppb. As shown on Figure 4-12, this maximum concentration was present in monitoring well MW-2, which is located in the northern corner of the North Albany Former MGP Site. As stated above in Section 4.2.3, monitoring well MW-2 also was found to contain elevated concentrations of BTEX compounds during the subsurface soils investigation.

In the Round I analysis for semi-volatiles, three phenolics, two phthalates, dibenzofuran and carbazole were detected. The NYSDEC groundwater standard value for total phenolics is 1 ppb, and the sum of the three phenolic compounds (phenol, 4-methylphenol and 2,4-dimenthylphenol) was above this value at MW-2 (129 ppb), MW-5 (55 ppb), MW-6 (26 ppb) and MW-7 (37 ppb). Bis(2-ethylhexyl)phthalate was detected at concentrations above its NYSDEC groundwater standard of 50 ppb. It was present at 740 ppb in MW-4 and 900 ppb in MW-10. Sixteen PAH compounds were detected in the Round I groundwater samples, and at least one individual PAH constituent was above its respective NYSDEC recommended groundwater standard value in eight of the monitoring wells. Exceedance concentrations for the PAHs, as shown in Table E-27 of Appendix E, ranged from 1 ppb (for indeno(1,2,3-cd)pyrene) to 25,000 ppb (for naphthalene). The highest total PAH concentrations were found in MW-4 (27,624 ppb), MW-5 (17,832 ppb) and MW-7 (15,199 ppb), which are located in the northeastern section of the North Albany Former MGP Site (see Figure 4-12), corresponding to the locations of the monitoring wells where elevated concentrations of BTEX compounds were present (see Figure 4-12) and elevated PAH concentrations were detected in the subsurface soils (see Section 4.2.3 and Figure 4-11).

There were no pesticides or PCBs detected in the groundwater during the Round I sampling investigation.

Nineteen metals were detected during the Round I groundwater investigation, and nine metals were present at concentrations which were above NYSDEC recommended groundwater standard values (see Table E-29). The Round I groundwater samples contained elevated concentrations of antimony, barium, chromium, iron, lead, magnesium, manganese and sodium. Antimony was present in sample MW-4 at 49.4 ppb. Barium, chromium, and lead were present at concentrations which were above their respective NYSDEC groundwater standard values in five, three, and six samples (including the duplicate), respectively. Concentration ranges were 2,070-2,880 ppb for barium, 52.2-65.8 ppb for chromium, and 30.1-85.9 ppb for lead. Numerous

elevated concentrations of iron, magnesium, manganese and sodium were also found (see Table E-29).

Cyanide was present in the groundwater sampled from monitoring wells MW-2, MW-4 through MW-8, MW-12 and MW-13 during Round I (see Appendix E, Table E-30). With the exception of MW-12 (which is to the southwest), these groundwater locations are generally on the northern and eastern sides of the North Albany Site property. Cyanide concentrations ranged up to 2,530 ppb, with concentrations above the NYSDEC groundwater standard for cyanide detected in MW-4 (2,530 ppb), MW-5 (1,630 ppb), MW-7 (170 ppb), MW-8 (157 ppb) and MW-13 (370 ppb) (see Figure 4-12).

4.2.4.2 December 1994 Groundwater Results (Round II)

The twelve Round II groundwater samples contained nine volatile organics (see Table E-32). The concentrations of methylene chloride and 1,1-dichloroethane (1,1-DCA) were above their respective NYSDEC groundwater standard values. Methylene chloride, though, was also present in the laboratory method blank associated with the samples, possibly showing intralaboratory contamination. BTEX compounds were detected in the following seven monitoring well locations: MW-2, MW-4, MW-5, MW-7, MW-8, MW-10, and MW-13. Individual BTEX compounds were detected at concentrations ranging from 1 ppb (toluene in MW-38, the duplicate of MW-8) to 14,000 ppb (benzene in MW-5), and were generally present at concentrations above NYSDEC groundwater standard values. Total BTEX concentrations summed to a maximum of 20,840 ppb (MW-5) for the Round II groundwater sampling (see Figure 4-12).

Three phenolics and three phthalates were detected in the Round II groundwater, along with carbazole, dibenzofuran and 16 PAH compounds. When summed, the three phenolic concentrations were above the total phenolic NYSDEC groundwater standard (1 ppb) in six monitoring wells, at concentrations ranging from 2 ppb to 117 ppb (as shown in Appendix E, Table E-33). Bis(2-ethylhexyl)phthalate was present above NYSDEC recommended standard levels in monitoring wells MW-4 and MW-10, at concentrations of 230 ppb and 580 ppb, respectively. Individual PAH concentrations were detected up to 12,000 ppb during the Round II groundwater investigation (Table E-33). Individual PAHs were present above NYSDEC recommended groundwater standard levels in the following seven monitoring wells: MW-2, MW-4, MW-5, MW-7, MW-8, MW-10 and MW-13, which also had contained elevated amounts of BTEX constituents (see previous paragraph). As shown on Figure 4-12, total PAH concentrations ranged from 108 ppb (MW-8) to 13,693 ppb (MW-2).

There were no pesticides or PCB compounds present in the groundwater samples collected during the Round II investigation.

Seven metals were detected at concentrations which were above their respective NYSDEC groundwater standard levels, and these metals are as follows: antimony, barium, iron, lead, magnesium, manganese and sodium. Antimony was present at concentrations above its NYSDEC groundwater standard of 3 ppb. These elevated concentrations were 40.2 ppb (MW-1), 45.9 ppb (MW-3), 51.6 ppb (MW-8), and 60.7 ppb (MW-12). Barium and lead were found at concentrations above NYSDEC groundwater standards in samples from the following locations: barium at MW-2 (2,540 ppb), MW-9 (1,190 ppb) and MW-10 (3,320 ppb); and lead at MW-8 (82.8 ppb) and MW-13 (43.1 ppb). Iron, magnesium, manganese, and sodium were detected above their respective NYSDEC recommended groundwater standards in numerous samples, as presented in Table E-35 of Appendix E.

In Round II, cyanide was detected in the same nine monitoring wells as Round I, and concentrations above NYSDEC groundwater standards were detected in the same five monitoring wells: MW-4, MW-5, MW-7, MW-8, and MW-13. Cyanide concentrations which were above NYSDEC groundwater standards ranged from a minimum of 102 ppb in MW-8 to a maximum of 3,210 ppb in MW-4 (see Figure 4-12).

4.2.5 Air Sample Results

Air samples were collected by a low-flow sampling pump through adsorbent tubes during the site test pit investigation to assess potential impacts to ambient air quality. Sixteen samples were submitted for analysis for BTEX compounds (benzene, toluene, ethylbenzene, meta- and para-xylenes, and ortho-xylene), while four air samples were submitted for PAH analysis (see Appendix E, Tables E-38 and E-39 for the BTEX and PAH compound results, respectively). No PAHs were present in the air samples, and toluene was the only BTEX detected. The toluene concentration (0.006 ppm in DW-3F) is significantly less than the threshold limit value (TLV) for toluene of 50 ppm (TLV obtained from 1994-1995 Threshold Limit Values for Chemical Substances and Physical Agents, American Conference of Governmental Industrial Hygienists).

5.0 QUALITATIVE RISK AND HABITAT-BASED ASSESSMENTS

5.1 PRELIMINARY QUALITATIVE RISK ASSESSMENT

A Fish and Wildlife Impact Analysis was performed at the North Albany Former MGP Site following guidance provided by the NYSDEC in *Fish and Wildlife Impact Analysis for Inactive Hazardous Waste Sites* (NYSDEC, 1991). This guidance document outlines a phased approach for the evaluation of fish and wildlife concerns associated with the remediation of inactive hazardous waste sites. It centers on the assessment of habitats and their contingent fish and wildlife resources. The first step of this phased approach, Step I - Site Description, constitutes the initial stage of an environmental risk assessment.

5.2 HABITAT-BASED ASSESSMENT

A qualitative assessment of vegetation cover types and habitats was performed for the North Albany Former MGP Site and the area within a 0.5-mile radius of the site perimeter, collectively designated as the study area. This assessment included documentation of vegetation communities present and wildlife observed during the field investigation. Potential resources associated with these habitats were identified based on the vegetation communities present, fish and wildlife habitats. The potential value of identified habitats to both wildlife resources, and to humans is also addressed in this analysis, as are applicable fish and wildlife regulatory criteria, i.e., standards, criteria, and guidance (SCGs).

Pursuant to NYSDEC guidance for the Step I - Site Description, documented fish and wildlife resources were identified for an area within a 2-mile radius of the site. Fish and wildlife resources include, but are not limited to NYSDEC Significant Habitats, habitats supporting endangered, threatened, or rare species, species of concern, regulated wetlands, wild and scenic rivers, significant coastal zone areas, streams, lakes, and other major resources.

5.2.1 Objectives

The objectives of the Step I - Site Description are to 1) identify fish and wildlife resources that may potentially be affected by site-related contaminants, and 2) if resources are or were present, provide the appropriate information for designing a remedial investigation of these resources (NYSDEC, 1991). To achieve these objectives, information regarding fish and wildlife resources is provided in the form of maps, habitat descriptions, and an assessment of the value of resources present. This information provides a basis for the identification of potential pathways and targets of contaminant migration.

5.2.2 Habitat Characterization

Field investigations were conducted on August 10 and 11, 1994 at the North Albany Former MGP Site and within 0.5-mile area from the perimeter of the site. Vegetation cover types within the area were characterized and a total of six sample stations were recorded during the investigation. Sample stations chosen were representative of vegetation throughout the study area. Vegetation was identified and observations of wildlife were noted at each station. Five sample stations, SS1 through SS4 and SS6, were recorded along the banks of the Hudson River, and one sample station, SS5 was recorded along the channelized stream.

The North Albany Former MGP Site is approximately 2,000 feet west of the Hudson River (Figure 5-1). It is bordered to the west by a roadway known as the Boulevard, to the north by Interstate I-90, to the east by a Conrail right-of-way, and to the south by Bridge Street. The North Albany Site occupies approximately 25 acres which is currently in industrial use (i.e., buildings, parking lots, and storage areas). Vegetation accounts for a small portion (less than 5 percent) of cover on the North Albany Site occurring near structures and property boundary. Approximately 70 percent of the site is covered by impervious structures and surfaces, and the remaining 25 percent is covered by gravel and crushed stone.

Land use within 0.5-mile of the site is 90 percent urban/industrial. Several major highways intersect this area. Topography within this area ranges in elevation from less than 10 feet above mean sea level to over 200 feet above mean sea level, and drains westward towards the Hudson River. Vegetation cover types, which comprise approximately 10 percent of the study area, are limited to forested and herbaceous areas along the Hudson River corridor, a small channelized stream located within the southwest portion of the 0.5-mile radius, and lawn areas associated with the residential housing located in the northern and western portions of the study area. The locations of these areas are presented in Figure 5-2, the vegetation cover type map.

5.2.2.1 Terrestrial Habitats within 0.5 Miles of the Site

Due to the structures and impervious surfaces at the North Albany Former MGP Site, the majority of the 25-acre site does not provide habitat for wildlife species. Approximately 60 percent of the 0.5-mile radius study area is currently in industrial use with little vegetation and minimal wildlife habitat. Approximately 30 percent of the study area is residential and consists of single and multi-family dwellings. Mowed lawn areas and ornamental trees and shrubbery are scattered throughout the residential areas providing limited wildlife habitat for urban/suburban species. The Hudson River corridor accounts for approximately 10 percent of the study area. Riparian habitat along the western bank of the Hudson River is a successional northern hardwood woodland consisting of a thin strip 15 to 25 feet wide of broad-leaved deciduous species.

To the northwest of the riparian habitat, herbaceous vegetation is dominant and extends west to Interstate Route 787. Herbaceous vegetation is limited to the area between the Hudson River and Route 787. This area ranges from roughly 300 to 800 feet in width. A biking/walking path parallels the west bank of the Hudson River. The path extends approximately four miles along the Hudson River, beginning near the NYSDEC boat ramps and ending approximately 0.75 mile north of State Route 378. Banks along the western shoreline are steep and lined with boulders.

The successional northern hardwood woodland habitat along the west bank of the river is dominated by box elder (*Acer negundo*) and quaking aspen (*Populus tremula*). Norway maple (*Acer platanoides*), black willow (*Salix nigra*), and black cherry (*Prunus serotina*) are also present, but not dominant, within the tree layer. The understory within the treeline varies from sparse to moderately dense. The shrub layer includes slippery elm (*Ulmus rubra*), box elder, and tree of heaven (*Ailanthus altissima*) saplings, and gray dogwood (*Cornus foemina*). The herbaceous layer is dominated by goldenrods (*Solidago spp.*), primarily rough-stemmed goldenrod (*S. rugosa*). Purple loosestrife (*Lythrum salicaria*) is also present within low-lying areas along the river. A sparse vine layer dominated by riverbank grape (*Vitis riparia*) is also present within the treeline. The herbaceous habitat along the west bank of the Hudson River comprises mowed lawn areas, successional fields (unmowed areas), and emergent wetland areas.

Mowed lawn areas are located within the Route 787 easement and the Corning Fitness trail, both of which are located west of the biking/walking path. Herbaceous upland areas, or successional fields, are located throughout the study area, and are dominated by goldenrods, and bull thistle (*Cirsium vulgare*) . Two emergent wetland areas (Figure 5-2) not identified on NYSDEC state freshwater wetland maps are present along the western bank of the Hudson River in the southeastern portion of the study area. The area to the west of Route 787 is highly developed, consisting of industrial and office complexes. Extending west beyond the industrial and office complexes is a residential area with a mix of single family and multi-family residential units. Present within the residential areas are mowed lawn habitats with occasional shade trees.

The east bank of the Hudson River is similar in habitat to the west bank of the river. However, the eastern bank slopes more gradually to the river, and the bank crest is at a higher elevation than the west bank. Within the 0.5-mile radius, the vegetated area along this side of the Hudson River ranges from 0 to 400 feet in width and is bordered to the east by an industrial/warehouse complex and railroad tracks. The area is vegetated by broad-leaved deciduous species similar to the species on the west bank of the river. The tree layer is dominated by quaking aspen, box elder, and black cherry. Young slippery elm, black cherry, and gray dogwood compose the shrub layer, while goldenrod, common tansy and grass species dominate the sparse herbaceous layer.

Fauna

A total of four bird species were observed within the 0.5-mile radius of the North Albany Former MGP Site during the August 10 and 11, 1994 site investigation. The species observed within the study area were:

Black Duck	*Anas rubripes*
House Sparrow	*Passer domesticus*
American Goldfinch	*Carduelis tristis*
Rock Dove (Domestic Pigeon)	*Columba livia*

Two black ducks were observed resting and feeding within a shallow backwater area of the Hudson River approximately 2,100 feet from the site. A small group of house sparrows and approximately ten American goldfinches were also observed feeding in the herbaceous vegetation habitats along the Hudson River. Several rock doves were observed in the industrial and residential areas located within the western portion of the 0.5-mile radius study area.

Black ducks inhabit marshes, bays, estuaries, ponds, rivers, and lakes throughout northeastern North America. They are surface feeders, primarily herbivores with the bulk of their diets consisting of aquatic vegetation, and a limited amount of mollusks, insects, and small fish. Additional duck species, such as the mallard (*Anas platyrhynchos*), with similar habitat and feeding requirements as the black duck, would also be able to utilize the riparian habitat and Hudson River throughout the year.

American goldfinches inhabit edge habitats and open woods, feeding primarily on thistle, dandelions and other seed stock. Other species with similar habitat requirements might inhabit the edge habitat area along the Hudson River. This area is composed of a treeline along the river and adjacent herbaceous fields. The presence of open water makes the location even more suitable for edge habitat species, which include the blue jay (*Cyanocitta cristata*), northern cardinal (*Cardinalis cardinalis*), northern mockingbird (*Mimus polyglottos*), and various warblers and sparrows.

The house sparrow and rock dove are cosmopolitan species, that is, they thrive in developed areas, such as cities, suburbs and farmland areas. These species have varied diets depending on available food sources. Additional cosmopolitan species, which reside in highly populated and developed areas include the house finch (*Carpodacus mexicanus*), and European starling (*Sturnus vulgaris*). These species most likely reside within the residential areas in the 0.5-mile radius study area provided adequate food sources are available.

Mammal species were not observed during the site investigation. Several species could, however, reside within the riparian and edge habitats along the Hudson River including the muskrat (*Ondatra zibethica*), raccoon (*Procyan lotor*), striped skunk (*Mephitis mephitis*), opossum (*Didelphis marsupialis*), woodchuck (*Marmota monax*), eastern gray squirrel (*Sciurus carolinensis*), eastern cottontail (*Sylvilagus floridanus*), and various species of mice. The habitat along the Hudson River is ideal for muskrats, which reside in marshes and along open water. They are chiefly aquatic and feed on aquatic vegetation, and occasionally clams, frogs and fish. There were no signs of muskrat in the Hudson River area during the site investigation. The treelines along both sides of the river, but more so on the west bank, provide habitat conditions suitable for the eastern gray squirrel. Eastern gray squirrels are primarily arboreal, rarely venturing far from trees. They typically feed on nuts, seeds, fungi, and fruits.

The combination of the open fields and treeline along the river, would provide suitable habitat for the raccoon, skunk, opossum, woodchuck, eastern cottontail, and mice species. The overlapping of the two habitats, commonly referred to as an edge habitat, allows for increased species diversity by enabling species to utilize features from both habitats. These species would all utilize the open fields for feeding, while using the treeline for shelter, nesting, and to a lesser extent, feeding.

Herpetofauna species were not encountered during the site investigation. The habitat along the Hudson River would provide necessary requirements for several species common throughout the Northeast, including the bullfrog (*Rana catesbeiana*), green frog (*Rana clamitans*), snapping turtle (*Chelydra serpentina*), Eastern box turtle (*Terrepene carolina*), and the common garter snake (*Thamnophis sirtalis*). These herpetofauna species feed on a variety of food sources, from insects and small mammals and fish, to mushrooms and berries.

Biota within the 0.5-mile radius was investigated for signs of stress potentially related to site contaminants. Vegetation and wildlife within the 0.5-mile radius study area did not show signs of stress. Existence of biota is limited within the study area, due to the presence of considerable urban development.

Documented Fish and Wildlife Resources Within 2 Miles of the Site

Pursuant to NYSDEC guidance, five fish and wildlife resources were documented within a 2-mile radius of the site for Step I - Site Description (Figure 5-1). Three of these are State regulated wetlands areas, which are described in Section 5.2.2.3. The fourth documented resource is the Hudson River, which is classified as a Significant Habitat. A description of the Hudson River is presented in Section 5.2.2.2. The fifth documented resource is Tivoli Lakes Urban Wildlife Park, a NYSDEC designated Significant Habitat, located to the northwest and upgradient of the

North Albany Former MGP Site (Figure 5-1). The park, approximately 80 acres in size, comprises a lake, wetlands, ponds, fields, and upland habitats. Urban/suburban bird species, chipmunks, gray squirrels, opossum and skunks reside in the wildlife park.

The NYSDEC Natural Heritage Program has documented occurrences of one New York State threatened plant species and two State unprotected sensitive plant species within the 2-mile radius study area. The documented State threatened species, tick-trefoil (*Desmodium ciliare*), inhabits dry woodlands. Virginia ground-cherry (*Physalis virginiana*), a rare species, inhabits dry or moist fields and upland woods. Woodland bluegrass (*Poa sylvestris*), also a rare species, inhabits rich, moist soil, or rocky woods. Due to the urban characteristic of the 0.5-mile radius study area, the habitat requirements of these species were not identified within that area.

Significant wildlife game species were not identified within the 2-mile study area. Correspondence with the NYSDEC also revealed that transient bald eagles and ospreys may travel along the Hudson River corridor. The 2-mile study area along the Hudson River does not appear to provide nesting habitat for these two bird species. Feeding and resting habitat, however, is present along the river corridor.

The US Fish and Wildlife Service has determined that no Federally listed or proposed endangered or threatened species occur within the 2-mile radius of the site, except for an occasional transient individual, and the shortnose sturgeon, which is under the jurisdiction of the National Marine Fisheries Service. The shortnose sturgeon (a Federal and State endangered species), and several species of anadromous or Trust fish species, may spawn in the Hudson River within the 2-mile study area.

5.2.2.2 Aquatic Habitats

Within the 2-mile study area, aquatic habitats are limited to the Hudson River, several unnamed tributaries to the Hudson River, two reservoirs, Tivoli Lake and Littles Lake. The main channel of the Hudson River represents the largest continuous aquatic habitat within the 2-mile radius of the North Albany Former MGP Site. The remaining waterbodies are located upgradient of the site, or on the eastern side of the Hudson River. The Hudson River, in vicinity of the North Albany, New York area is designated tidal freshwater with a mean tidal range of 1.45 m (NOAA 1991). Although the river is freshwater, it is still considered part of the lower Hudson estuary because of the daily tidal inundation. The direction of flow below the Federal Lock/Dam located in Troy, New York changes four times daily, except during high flows in spring, which overpower the tidal influence (Stedfast 1982). The freshwater flow, as measured at the Green Island gaging station near Troy, New York, approximately 5 miles north of the North Albany Former MGP site generally ranges from 3,000 to 30,000 cfs (Stedfast 1982).

River basin morphology within the Troy-Albany reach has been described as narrow, straight sided and deep (Stedfast 1982). The total width of the river as determined from the Troy South, and Albany, NY USGS quadrangle maps was determined to be approximately 359 m. The US Army Corps of Engineers maintains a navigation channel 400 feet wide and approximately 14-32 feet in depth from the south of Port Albany to Troy (Stedfast, 1982).

During the field investigation, benthic substrates in the shallow areas of the river (areas subject to tidal inundation) were qualitatively characterized as pebble and gravel, with a lesser degree of silt present. The upper tidal zone and banks along the shoreline were characterized as rock and gravel. Boulders are intermittently dispersed on the banks. The highly commercial and industrial nature of the land use along the river bank greatly restricts riparian habitats in this section of the river. Field parameters measured in the Hudson River in the vicinity of the site included water temperature, dissolved oxygen, specific conductivity, salinity and pH with results as follows:

Water Temperature (°C):	25.0
Dissolved Oxygen (mgO_2/l):	6.9
Specific Conductivity (umhos/cm):	225.0
Salinity (o/oo):	0.0
pH (su)	7.0

Using an oxygen saturation nonogram (Wetzel and Likens 1991), the corresponding percent saturation of oxygen at the measured temperature was 92 %. Submerged aquatic vegetation was limited to floating fronds of water celery (*Vallisneria americana*) in the shallows of the river. This was the only submergent macrophyte observed during the survey. Emergent aquatic vegetation along the extreme shallow areas of the river shoreline included smartweeds (*Polygonum sp.*) and purple loosestrife.

Previous investigators have described the aquatic biota found in the Troy-North Albany reaches. Simpson *et al.* (1986) described 167 species of benthic macroinvertebrates within the Troy-North Albany reach of the Hudson River. Simpson *et al.* (1986) described the North Albany section of their survey as supporting the least-well-balanced benthic communities of the study area. Their sample stations within this reach displayed higher densities, lowest benthic species richness (20 species), and lowest species diversity of the entire Troy-Albany reaches sampled. The dominant taxa found in the benthic communities was aquatic worms. Simpson *et al.* noted that the western side of the river, at several stations, displayed higher density and lower diversity than the eastern shoreline of the river.

The Hudson River in the vicinity of the North Albany Eormer MGP Site supports a warm water fishery including species such as largemouth and smallmouth bass (*Micropterus salmoides* and *M. dolomieu*), rock bass (*Ambloplites rupestris*), various sunfish species (*Lepomis spp.*), carp (*Cyprinus carpio*) and other cyprinids, walleye (*Stizostedion vitreum*), northern pike (*Esox lucius*), tiger muskellunge (*Esox masquinongy* (hybird)), channel catfish (*Ictalurus punctatus*) and brown bullhead (*Ameriurus nebulosus*) (DEC 1987). In addition to this warm water fishery, seasonal migrations of anadromous species including blueback herring (*Alosa aestivalis*), alewife (*Alosa pseudoharengus*), American shad (*Alosa americana*), striped bass and shortnose sturgeon (*Acipenser brevirostrum*) move up into the lower Hudson estuary to spawn (Muessig et al. 1988). During the site investigation, juvenile longear sunfish (*Lepomis megalotis*), striped bass (*Morone saxatilis*), and white bass (*Morone chrysops*) were seen being caught by anglers on the eastern river bank. Approximately ten fish were observed, all of which were juveniles and appeared healthy, showing no signs of stress.

As part of a statewide monitoring program, NYSDEC monitors contaminants in fish tissues in the vicinity of Albany, New York, on the Hudson River. Results indicate that both resident species and migrant species have detectable concentrations of PCBs in their tissues. The highest PCB tissue concentrations were associated with walleye in the Troy/Albany area (DEC 1987).

Aquatic biota in the portion of the Hudson River within the 2-mile study area were investigated for signs of stress potentially related to site contaminants. Observed aquatic vegetation present in the river appeared to be growing normally and did not show signs of stress. The ten juvenile fish seen during the site investigation all appeared healthy, showing no signs of stress. Correspondence with NYSDEC has determined that since the early 1990s, several fish kills have occurred within the 2-mile radius of the North Albany Eormer MGP Site. However, these fish kills were related to sewerage discharges from the cities of Albany and Rennselaer, New York, or were of natural disease origin. No fish kills were linked to contamination from the North Albany Former MGP Site.

A channelized stream located in the southwest portion of the 0.5-mile radius extends for approximately 2,000 feet from its headwaters, at which point it is piped under the City of Albany and eventually discharged into the Hudson River. The stream has a rocky bed and banks, with an approximately 5-ft strip of vegetation on either side of the stream. The vegetation was dominated by broad-leaved deciduous species consisting of black willow, tree of heaven and quaking aspen. The understory is sparse and predominantly vegetated by riverbank grape. The stream channel was approximately 3 to 4 feet in width, with an estimated stream flow velocity of 1.4 feet/second at the area investigated. The stream flows through a heavily industrialized area. Red paint or dye was observed on several rocks along a portion of the stream on the southern bank. Eish and wildlife species were not observed during the field investigation.

5.2.2.3 Wetlands

Wetlands within a 0.5-mile radius were restricted to the riparian habitat along the Hudson River. Two emergent wetland areas are present along the west bank of the Hudson River in the southeastern portion of the study area. The first area is located east of the bike path, and is dominated by purple loosestrife, common tansy (*Tanacetum vulgare*), and goldenrod (Figure 5-2). The wetland appears to be seasonally flooded, but was dry at the surface during the site investigation. Depth to surface water and soil chromas were not examined during the site investigation. A second wetland area approximately 0.25 acre in size is also located to the east of the bike path and north of the first wetland area. This area appears to be a wetland mitigation or study site (Figure 5-2). The area has been excavated approximately 1 to 2 feet below surrounding surface elevations, and is covered with plastic mesh netting. The netting was installed presumably to keep vegetation and seed heads from being devoured by wildlife. Vegetation within the area appears to be dominated by sedges (*Carex sp.*) and rushes (*Juncus sp.*). Neither wetland area is identified on the NYSDEC State Freshwater Wetlands maps.

A review of NYSDEC State Freshwater Wetlands maps, Troy South, and Albany, NY USGS topographic quadrangles, revealed that three State regulated wetland areas are located within the 2-mile study area. All three wetland areas are located within the floodplain of the Hudson River and are referenced on Figure 5-1 as TS-7, TS-9 and TS-105. Wetland TS-7, located approximately 1 mile northeast of the North Albany Former MGP Site, is a 28.7 acre wetland area comprising an open water area, emergent marsh, and wet meadow. Wetland TS-9, also located to the northeast slightly under 2 miles from the site, is a 59.0 acre wetland area composed of an open water area, with areas of flooded shrubs and deciduous tree species. Wetland TS-105, located approximately 1 mile northwest of the site, is an approximately 42-acre wetland complex composed of an open water area vegetated by emergent and submergent vegetation, a wet meadow, and a flooded shrub area.

5.2.3 Habitat-Based Value Assessment

As part of a Fish and Wildlife Impact Analysis, Step I - Site Description, habitat value for both wildlife and humans is assessed. Assessment of wildlife habitat within the 0.5-mile study area is based on availability of food, seasonal cover, water, and shelter. The habitat value for humans within the 0.5-mile study area is assessed based on the current and potential use of fish and wildlife resources. Human resources may include hunting, fishing, observation of wildlife, scientific studies, agriculture, forestry, and other recreational and economic activities.

5.2.3.1 Value of Resources to Wildlife

The Hudson River corridor provides the only valuable wildlife habitat within the 0.5-mile radius study area. The river corridor potentially provides habitat for numerous fish and wildlife species. The river is a significant habitat for short-nosed sturgeon (Federal and State Endangered Species), and several additional anadromous fish species, including blueback herring, alewife, American shad, and striped bass. Transient bald eagle and osprey may also utilize this portion of the river for feeding and resting habitat. The Hudson River corridor could also potentially provide habitat requirements for a number of wildlife species which are relatively abundant throughout the State.

The Hudson River in the vicinity of the North Albany Former MGP Site is classified by NYSDEC as Class C waters subject to Class C New York water quality standards. Correspondence with the New York Natural Heritage Program of the NYSDEC Wildlife Resource Center in Latham, NY, and the National Marine Fishery Section of the National Oceanic and Atmospheric Administration in Milford, CT, revealed that the Hudson River in the City of Albany has been identified as a significant habitat for anadromous fisheries.

The channelized stream located in the southwest portion of the 0.5-mile radius provides little habitat for wildlife. Transient bird species or wildlife may stop to rest or feed in the area, however, it is not likely that species would reside or breed in the area due to lack of food sources and available breeding habitat. Since the stream is culverted for an approximately 2,800 foot distance, fish species are not anticipated to be present within the stream. The piped portion would hamper access to the stream for fish from the Hudson River. Due to a lack of predators within the stream, the area could provide a safe environment for the young of several herpetofauna species. However, due to the lack of viable habitat surrounding the stream, their presence within the stream is not expected.

Tivoli Lake Urban Wildlife Park is located to the northwest of the Site within the two mile radius. The area is designated by the NYSDEC as a significant habitat. It was the first urban wildlife park in New York State, established on 80 acres of city-owned land in the late 1970s. The park includes a lake, wetlands, ponds, fields, and upland areas which provide habitat for urban/suburban bird species, chipmunks, gray squirrels, opossum, and skunks.

5.2.3.2 Value of Resources to Humans

Within both the 0.5-mile and 2-mile radius, the Hudson River provides various recreational resources to the people of the Albany area. A biking/walking path along the west bank of the river provides both an exercise and recreation source, allowing visitors a scenic view while they exercise, and recreational anglers easy access to the river. The Corning Fitness Trail is also

located along the path at the southern end of the biking/walking path. In addition a New York State owned boat ramp and several floating docks are located along the path. The boat ramp and docks allow the general public access to the river for boating and fishing. Within the 2-mile radius, the Tivoli Lakes Urban Wildlife Park was established so that the residents of Albany could observe and experience nature and wildlife habitats.

5.2.4 Pathway Analysis

In a preliminary pathway analysis, surface soil and surface water were considered to be potential pathways by which ecological receptors would risk exposure to contaminants. Approximately 70 percent of the site is covered by impervious surfaces, which would inhibit wildlife contact with contaminated soils. Gravel and crushed rock cover the remaining 25 percent of the site. Two surface soil samples, SS-1 and SS-2, were collected near the center of the site in an area covered by gravel and crushed rock. Slightly elevated concentrations of BTEX, semi-volatiles (including PAHs), and inorganics were detected in the samples. Wildlife is not expected to be encountered within the gravel and crushed rock portion of the site, due to the absence of habitat. The extremely limited vegetation, which covers less than 5 percent of the site, would provide little feeding and resting habitat for transient wildlife species, so soil samples were not collected in the vegetated areas. Because of the lack of potential surface soil exposure due to the on-site cover, and the meager vegetation, the surface soil is not being considered as a potential pathway for contaminant exposure.

Surface water is not present on the North Albany Former MGP Site. In the 0.5-mile study area, the Hudson River is the only downgradient surface water body. The remainder of surface water within the study area and the 2-mile radius is located upgradient of the North Albany Former MGP Site, and would therefore be unaffected by contamination from the site. The North Albany Site is approximately 2,000 feet west of the Hudson River. Streams or waterways are not present in the vicinity of the site; therefore, potential contamination from the site cannot be discharged into the Hudson River from a surface water source. Overland flow would be impeded by the railroad tracks, industrial facilities, and Route 787, which are all located between the site and the Hudson River.

However, several stormwater drains are located on site, and of these, two were sampled. The two storm drains sampled are located in a paved portion of the Site. These storm drains were chosen for sampling because of strong chemical odors being emitted from the drains at the time of sampling. BTEX and PAHs were detected in the storm drain sediment/debris. Subsurface soil sampling in the vicinity of the storm drains detected elevated levels of MGP residues and petroleum constituents. Since the drains are located in an impervious portion of the site, the contaminants may have potentially been deposited by groundwater infiltration into the storm

drains. Contamination in the storm drains could potentially enter the Hudson River; however, the storm water outlet for these drains has not been located to date, and the drains may be part of the inactive storm water collection system located onsite. Since the site is located within a highly industrialized portion of Albany, storm water entering the Hudson River from this area is potentially infused with non-point-source contaminants from other sources. Consequently, it is believed that such sediment/debris samples from the Hudson River would be ineffective in interpreting potential contamination released from the North Albany Former MGP Site.

5.2.5 Identification of Ecological SCGs

Soil and groundwater samples were collected at the North Albany Former MGP Site. Regulatory criteria for soil samples was not reviewed, because the site lacks wildlife habitat. Over 95 percent of the site is covered with structures and impervious surfaces, or gravel and crushed stone. Surface water bodies are not present on or in the vicinity of the site. Therefore surface water and sediment samples were not collected and SCG's not reviewed. Surface water and sediment samples were not collected from the Hudson River, because off-site sampling was not a part of the PSA Work Plan.

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6.0 CONCLUSIONS AND RECOMMENDATIONS

This section presents the conclusions reached following completion of the PSA Investigation at the North Albany Former MGP Site and interpretation of the findings. Based on those conclusions, recommendations are proposed for further studies associated with the former MGP operations at the site and further investigation of SWMUs identified in NMPC's Part 373 Hazardous Waste Permit for the facility. The level of additional investigation, however, will be presented in the Remedial Investigation/Feasibility Study Work to be prepared for the site. During this study, MGP residues and petroleum constituents are frequently mentioned and are defined as follows. MGP residues are those compounds associated with the former MGP operations at the site. Petroleum constituents are those compounds associated with the storage and use of petroleum products such as gasoline, diesel, fuel oil, etc.

6.1 CONCLUSIONS

Based on the data generated during the PSA Investigation, the following conclusions are presented for the North Albany Former MGP Site.

General Conclusions

- Results of the subsurface soil and test pit investigations demonstrate that four geologic deposits are present beneath the site. In descending order from the ground surface (with their range of measured thickness on site), they are: fill (0 to 14 feet), glacial-fluvial sediments (4 to 31 feet), till (1 to 9 feet), and bedrock (Snake Hill Shale).

- Groundwater flow direction in the water table aquifer is to the east-southeast towards the Hudson River.

- Water table gradients on-site ranged from 0.004 to 0.035 feet/foot.

- Subsurface contamination consisting of MGP residues and/or petroleum (non-MGP) constituents was encountered in the subsurface soil, test pit and storm drain investigations.

- Petroleum constituents were observed/detected in the subsurface soil investigations at sampling locations SB-17, MW-4, MW-8 and MW-10.

- MGP residues and petroleum constituents were commingled in the subsurface soils at sampling locations SB-12, SB-15, SB-16, SB-23, MW-6, MW-13 and MW-14.

SWMU Conclusions

- In the vicinity of SWMU S-1 (PCB storage shed) no chemical residues/constituents of concern were detected above the NYSDEC recommended soil clean-up levels.

- Visible MGP residues (i.e., separate phase, staining, strong odors) were primarily observed/detected north of Building No. 2 in the area which contained the former MGP operations, identified as SWMU L-1.

- At SWMU S-3 (mercury storage area), mercury was detected above the NYSDEC recommended soil clean-up level (0.1 ppm) at both sampling locations SS-1 (0.31 ppm) and SS-2 (0.11 ppm).

- Downgradient of SWMU S-4 (transformer shop hazardous waste storage area and SWMU B-2 (soil beneath Building No. 2), benzene (0.065 ppm) was detected above the NYSDEC recommended soil clean-up level (0.06 ppm) in SB-17. fuel oil in boring log

- In the vicinity of SWMU S-5 (yard storage area), no MGP residues or non-MGP (petroleum-related) chemical constituents were detected in SB-2 above the NYSDEC recommended soil clean-up levels.

- At SWMU S-6 (flammable storage cabinet) and SWMU S-7 (corrosives storage cabinet), no chemical residues/constituents were present above the NYSDEC recommended soil clean-up levels. O.K.

- In the vicinity of and/or downgradient of SWMUs T-1 (oil/water separator), T-3 (1,000 gallon waste oil tank), T-4 (skimmed oil collection tank), T-10 and T-11 (waste oil tanks), and DW-1 (a dry well which has been removed), MGP residues and petroleum constituents were commingled in the subsurface soils at levels above the NYSDEC recommended soil clean-up levels (the chemical constituents with concentrations above recommended levels are presented in Section 4.2.3).

- Downgradient of SWMUs T-2 (8,000 gallon underground diesel tank) and T-9 (8,000 gallon underground gasoline tank-removed), chemical constituents indicative of MGP residues and petroleum constituents were detected in the subsurface soils at MW-6 above the NYSDEC recommended soil clean-up levels (see Section 4.2.3 for the

specific chemical constituents present at concentrations above recommendced soil clean-up levels).

- Downgradient of SWMU T-5 (8,000 gallon underground gasoline tank), chemical constituents indicative of MGP residues and petroleum constituents were detected in the subsurface soils at SB-10, SB-12, MW-14 and TP-1 above the NYSDEC recommended soil clean-up levels (these constituents are presented in Section 4.2.3).

- Downgradient of SWMUs T-6 (5,000 gallon underground gas tank-removed) and T-7 (2,000 gallon underground gas tank-removed), chemical constituents indicative of MGP residues and petroleum were present in the subsurface soils at MW-4 above the NYSDEC recommended soil clean-up levels (the chemical constituents detected above recommended levels are presented in Section 4.2.3).

- Downgradient of SWMU T-8 (10,000 gallon aboveground diesel tank-removed), no chemical constituents above the NYSDEC recommended soil clean-up levels were present in the soils at sampling location SB-3.

- Within SWMU L-1 (approximate limits of former manufactured gas plant), commingled MGP residues and non-MGP (petroleum) constituents were present and areas of separate MGP residues were detected above the NYSDEC recommended soil clean-up guidance levels. The commingled MGP residues and non-MGP petroleum-related constituents were present at sampling locations MW-4, MW-5, MW-8, MW-13, MW-14, SB-11, SB-12, SB-15, SB-16, SB-23, TP-1, TP-2, TP-3, TP-6 and TP-7. SB-10 which is downgradient and adjacent to SWMU L-1 also contained commingled residues/constituents above the NYSDEC recommended clean-up levels (0.1 ppm). MGP residues indicative of past site operations were detected in sampling locations MW-2, SB-14, SB-18 SB-19, SB-19A, TP-4, TP-5 and TP-8 above the recommended NYSDEC soil clean-up levels (the specific chemical constituents detected above recommended levels are presented in Section 4.2.3).

- Groundwater analytical results (Rounds I and II) from MW-10 (new potential AOC) indicate chemical constituents were detected above the NYSDEC groundwater standard values (these constituents are discussed in Section 4.2.4). These chemicals were indicative of petroleum constituents.

- Groundwater analytical results (Rounds I and II) generated from MW-6 (SWMUs T-2 and T-9) indicate that commingled MGP residues and non-MGP (petroleum) chemical

constituents were detected above the NYSDEC groundwater standard values (these constituents are presented in Section 4.2.4).

- Groundwater analytical results (Rounds I and II) from monitoring wells (MW-4, MW-5, MW-7, MW-8 and MW-13) located within the eastern section of SWMU L-1 (former MGP operations) indicate that commingled MGP residues and non-MGP (petroleum) chemical constituents were detected above the NYSDEC groundwater standard values (the specific chemical constituents detected at concentrations above groundwater standard values are found in Section 4.2.4). Groundwater analytical results from MW-3 located in this SWMU along the northern site boundary, did not contain MGP residues or non-MGP (petroleum) chemical constituents above the NYSDEC groundwater standard values.

Other Conclusions

- Analytical results from sediment/debris samples SD-1 and SD-2 collected from the storm drains on-site, indicate the presence of MGP residues and petroleum constituents.

- A new potential area of concern (AOC) has been identified in the area surrounding MW-10. Chemical compounds detected in the soil indicative of petroleum constituents were present above the NYSDEC recommended soil clean-up levels (see Section 4.2.3 for specific constituents).

- MGP residues were present in the soil at sampling location SB-5 above the NYSDEC recommended soil clean-up levels (the constituents detected are presented in Section 4.2.3). The chemical constituents present were representative of MGP operations; however, this location is not in the vicinity of the former MGP operations.

- The groundwater analytical results from Rounds I and II indicate that the groundwater in the monitoring wells located on the southern half of the site (MW-1, MW-9, MW-11 and MW-12) have not been impacted by MGP residues or non-MGP petroleum-related chemical constituents.

- Groundwater analytical results (Rounds I and II) from monitoring well MW-2 in the northern corner of the site indicated that residues related to the former MGP operations were detected above the NYSDEC groundwater standard values (these constituents are presented in Section 4.2.4).

6.2 RECOMMENDATIONS

Based on the data generated and the conclusions presented above, the following recommendations for additional investigation at the North Albany Former MGP Site are made. The areas in need of additional investigation are shown on Figure 6-1. The level of additional investigation will be presented in the Remedial Investigation/Feasibility Study Work Plan.

Remedial Investigation/Feasibility Study Recommendations

- Additional soil borings are needed in the vicinity of SB-5 to delineate the extent and to identify a source of the MGP residues detected.

- Additional soil borings are needed surrounding SB-14 and TP-4 and TP-5 to delineate the extent of MGP residues detected at these locations.

- One additional monitoring well and additional soil borings are needed in the vicinity of MW-2, SB-18, SB-19 and SB-19A to determine the vertical and aerial extent of MGP residues detected in the subsurface soils.

- One additional monitoring well is needed downgradient of MW-8 to determine the potential for off-site migration, if any; and additional soil borings are needed in this area to determine the source and vertical/areal extent of commingled residues/constituents.

- In the area northeast of Building No. 2 and in the vicinity of Building No. 5 (SWMU L-1), additional soil borings are needed to determine the vertical and areal extent of MGP residues and petroleum constituents. These locations will also be used to determine the source. Installation of three off-site monitoring wells in the water table aquifer downgradient of this area is also recommended to address any potential off-site migration.

- A replacement well is recommended for MW-6 in the RI/FS Work Plan because it was paved over. In addition, two downgradient wells are recommended to determine if any chemical constituents/residues detected have migrated to off-site properties, as well as to determine the vertical and areal extent of these commingled residues/constituents.

- Three off-site surface soil samples are recommended to establish background levels in the vicinity of the site.

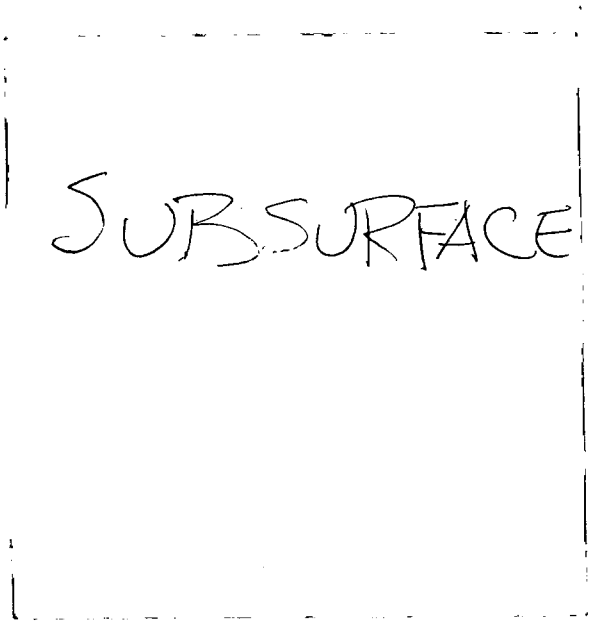
- An investigation of the storm sewer system is recommended based on the detection of chemical constituents/residues potentially indicative of a site source in the sediment/debris samples.

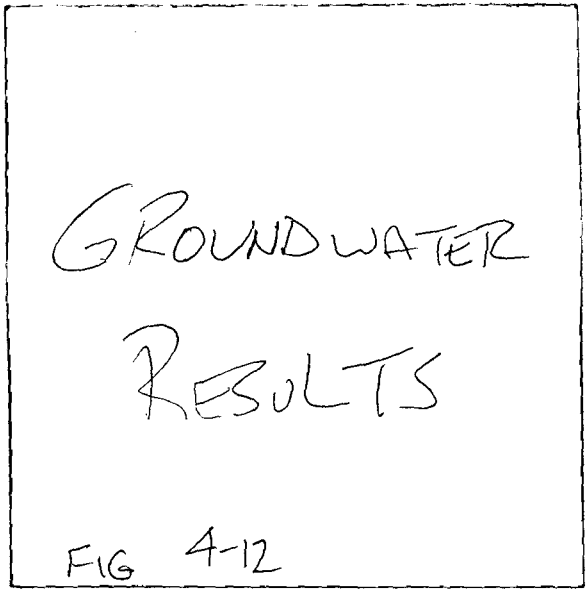
- Two additional rounds of water level measurements, separate phase measurements and groundwater samples are recommended. These measurements are recommended to document whether changes from the initial measurements collected during the PSA have taken place over time. Additional groundwater samples are recommended because the installation of new monitoring wells has been proposed.

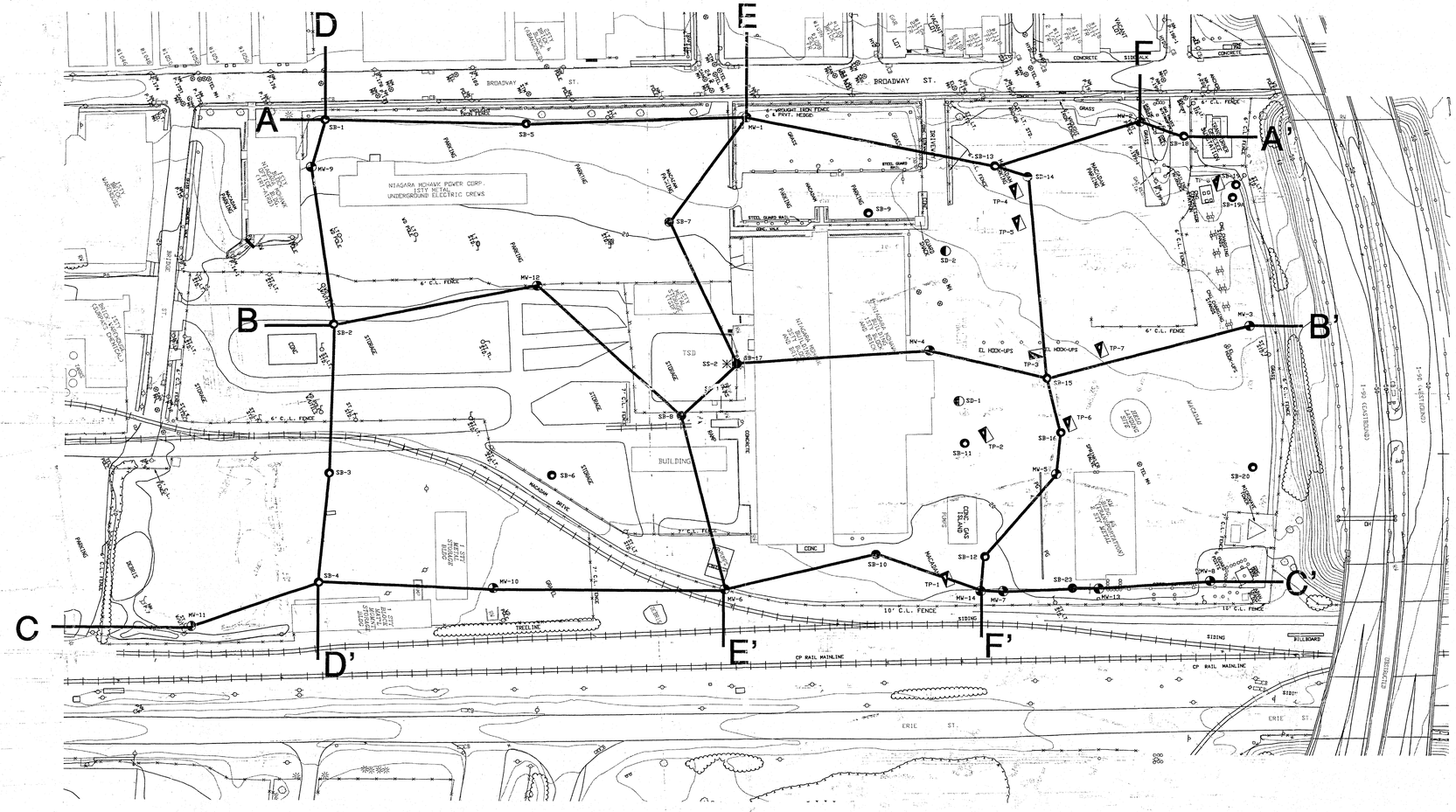
SWMU Recommendations

- Additional surface soil surface samples and soil borings in the vicinity of SWMUs S-3, S-4, S-6, S-7 and B-2 are recommended to determine the vertical and areal extent of chemical constituents detected and to identify the sources.

- Further investigation of the new potential area of concern in the vicinity of MW-10 is recommended. An additional monitoring well downgradient of MW-10 and additional soil borings in the vicinity of this sampling location are recommended to address any potential off-site migration, and to determine the vertical and areal extent of these chemical constituents.


SUBSURFACE


GROUNDWATER
RESULTS
FIG 4-12



LEGEND

- MONITORING WELL
- SOIL BORING
- SURFACE SOIL SAMPLE
- TEST PIT EXCAVATION
- STORM DRAIN SAMPLE

NO.	DATE	REVISION	BY	CH	APPROVED

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NIAGARA MOHAWK POWER CORPORATION

NORTH ALBANY FORMER MGP SITE

FIGURE 4-1

LOCATION OF GEOLOGIC CROSS SECTION TRANSECTS

FOSTER WHEELER ENVIRONMENTAL CORPORATION

SCALE:	APPROVED	DATE
DIV. 940		
DR. HS		
CH.		

CAD FILE NAME: NMPC3-1.DWG DATE: 4/1/95
PLOT SCALE: 1=50 TIME: 2:40 PM

ADDITIONAL INVESTIGATION NEEDED OF MGP RESIDUES

ADDITIONAL INVESTIGATION NEEDED OF PETROLEUM RESIDUES

ADDITIONAL INVESTIGATION NEEDED OF COMMINGLED MGP/ PETROLEUM RESIDUES

NO FURTHER INVESTIGATION NEEDED

0 50 100 150 200

SCALE IN FEET

LEGEND

- MONITORING WELL
- SOIL BORING
- SURFACE SOIL SAMPLE
- TEST PIT EXCAVATION
- STORM DRAIN SAMPLE

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FIGURE 6-1

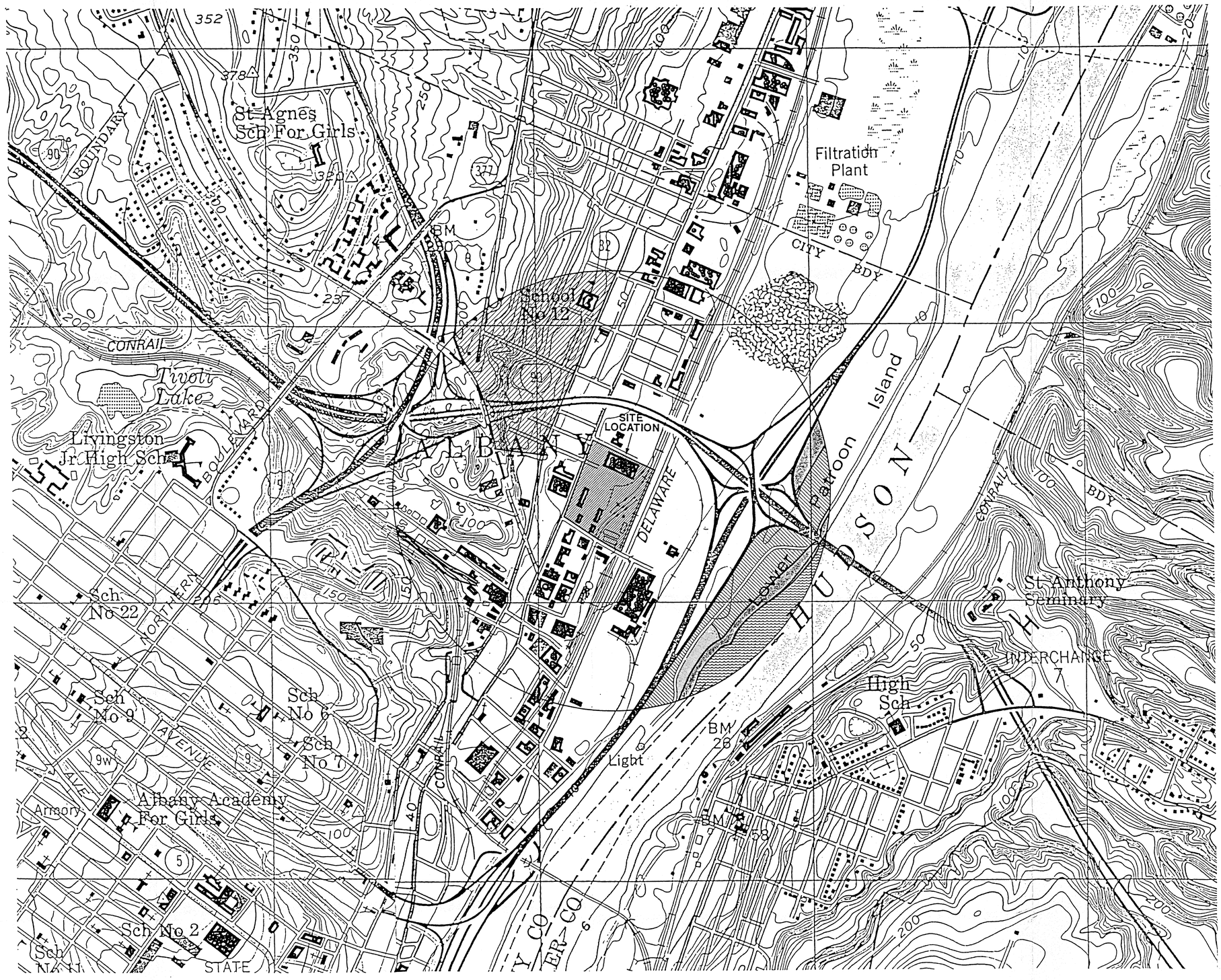
APPROXIMATE AREAS OF ADDITIONAL INVESTIGATION

FOSTER WHEELER ENVIRONMENTAL CORPORATION

SCALE:	APPROVED	DATE
DIV. 940		
DR. HB		
CH.		

NO.	DATE	REVISION	BY/CH	CH	APPROVED

CAD FILE NAME: NMPC2-6A.DWG DATE: 4/17/95
PLOT SCALE: 1=50 TIME: 3:25 PM



NEW YORK

QUADRANGLE LOCATION

KEY:

- BROAD-LEAVED DECIDUOUS WOODLAND
- MOWED LAWN AREA
- SUCCESSIONAL MEADOW
- OPEN WATER
- INDUSTRIAL
- RESIDENTIAL
- STREAM CHANNEL

SCALE 1:24 000

1 0 1/2 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929

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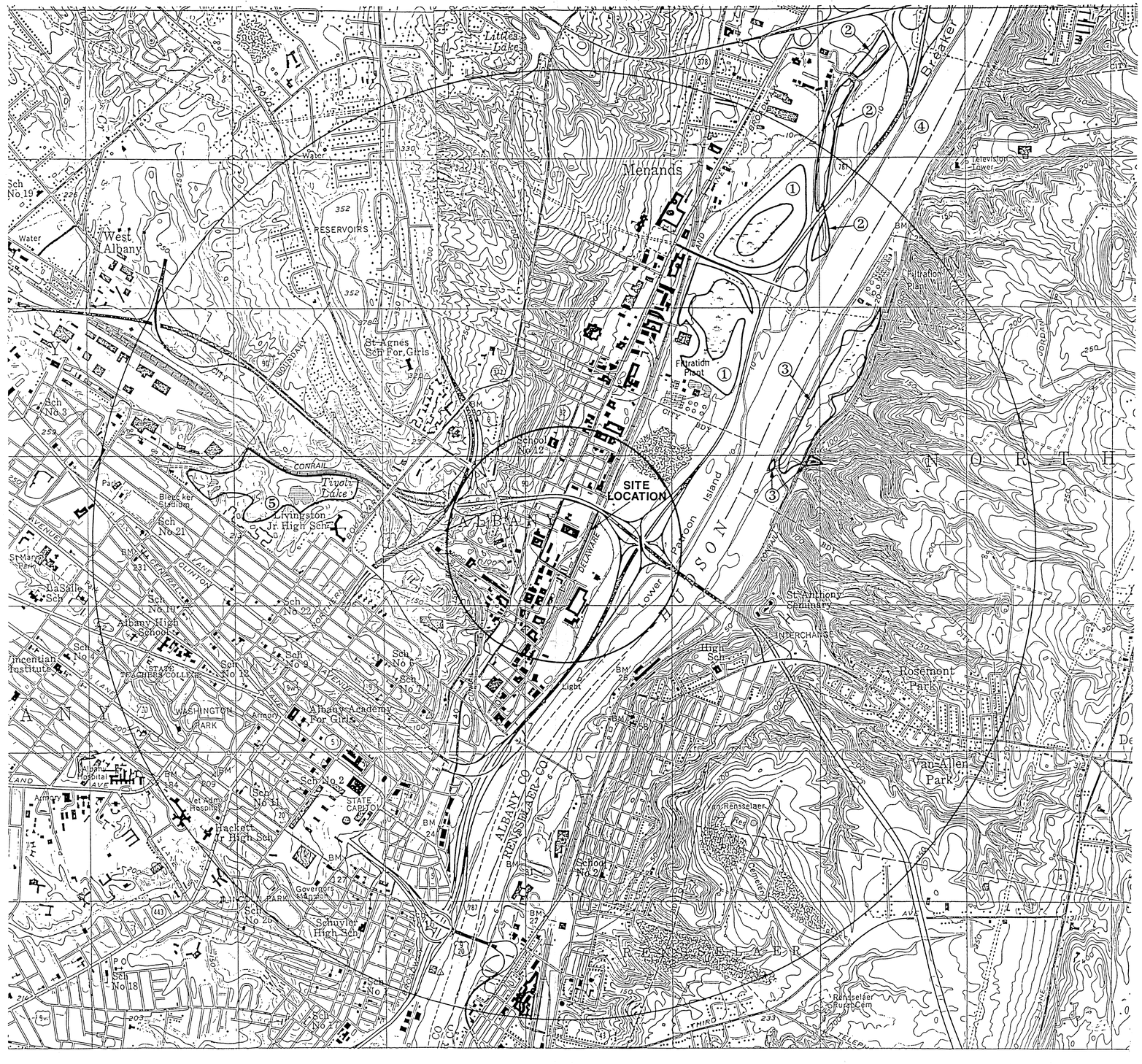
NORTH ALBANY (BROADWAY) FORMER MGP SITE

FIGURE 5-2
COVER TYPE MAP
TROY SOUTH, NY AND ALBANY, NY
7.5 MINUTE USGS TOPOGRAPHIC QUADRANGLES

EBASCO SERVICES INCORPORATED

NO.	DATE	REVISION	BY	CH	APPROVED

SCALE: APPROVED DATE
DV.
DR.
CH.



KEY:

① NYS REGULATED WETLAND (TS-9).

② NYS REGULATED WETLANDS (TS-7).

③ NYS REGULATED WETLANDS (TS-105).

④ HUDSON RIVER. SEASONAL MIGRATIONS OF ANADROMOUS FISH INCLUDING SHORTNOSED STURGEON (STATE AND FEDERAL ENDANGERED SPECIES). POTENTIAL RESTING AND FEEDING HABITAT FOR TRANSIENT BALD EAGLE AND OSPREY.

⑤ TIVOLI LAKES URBAN WILDLIFE PARK. NYSDEC SIGNIFICANT HABITAT.

SCALE 1:24 000

1 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

NEW YORK

QUADRANGLE LOCATION

NO.	DATE	REVISION	BY	CH	APPROVED

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NORTH ALBANY (BROADWAY) FORMER MGP SITE

FIGURE 5-1

DOCUMENTED FISH & WILDLIFE RESOURCES
TROY SOUTH, NY AND ALBANY, NY
7.5 MINUTE USGS TOPOGRAPHIC QUADRANGLES

EBASCO SERVICES INCORPORATED

SCALE:	APPROVED	DATE
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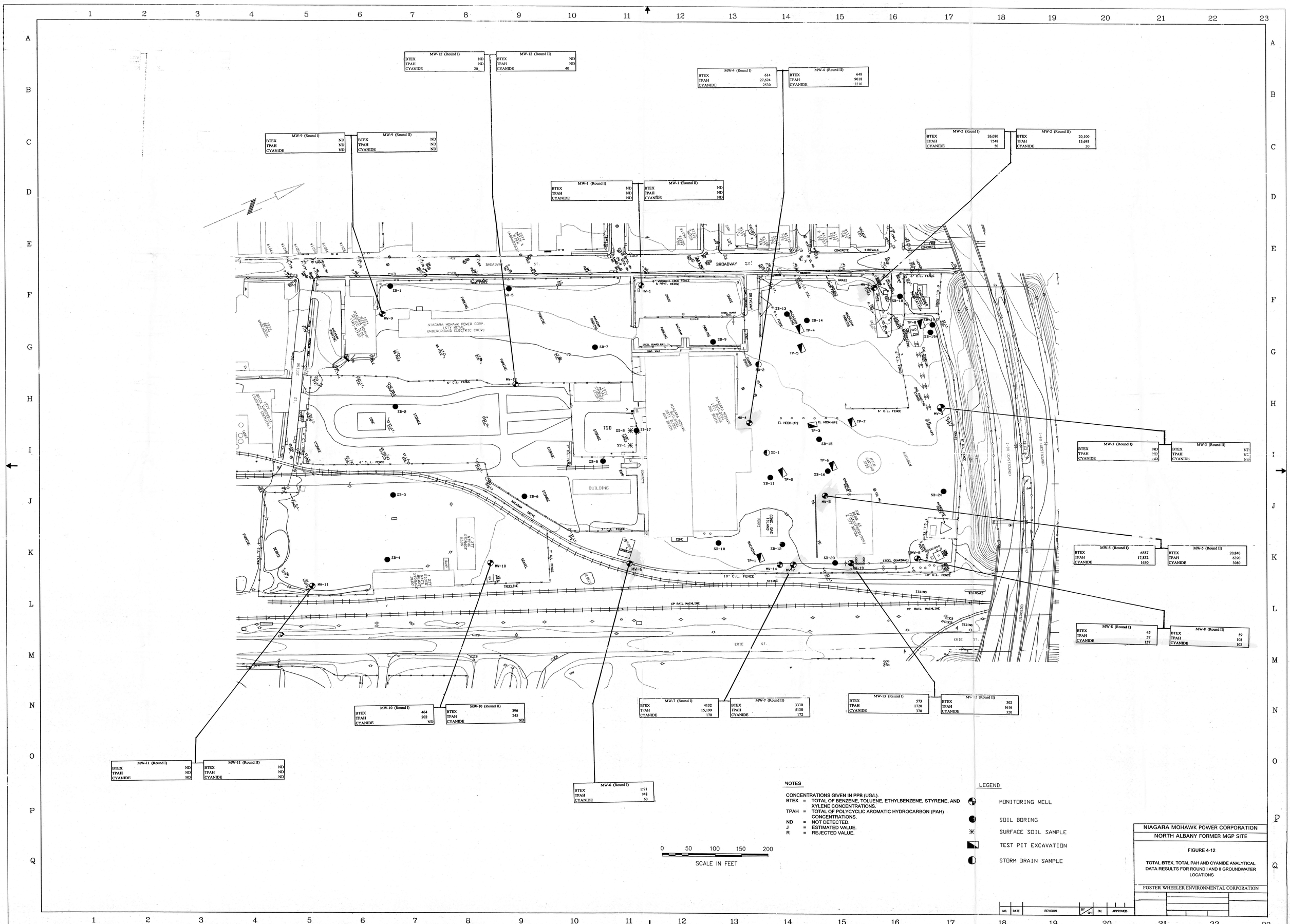
CH.		



NOTES

CONCENTRATIONS GIVEN IN PPB (UG/L).
BTEX = TOTAL OF BENZENE, TOLUENE, ETHYLBENZENE, STYRENE, AND XYLENE CONCENTRATIONS.
TPAH = TOTAL OF POLYCYCLIC AROMATIC HYDROCARBON (PAH) CONCENTRATIONS.
ND = NOT DETECTED.
J = ESTIMATED VALUE.
R = REJECTED VALUE.

LEGEND

- MONITORING WELL
- SOIL BORING
- SURFACE SOIL SAMPLE
- TEST PIT EXCAVATION
- STORM DRAIN SAMPLE

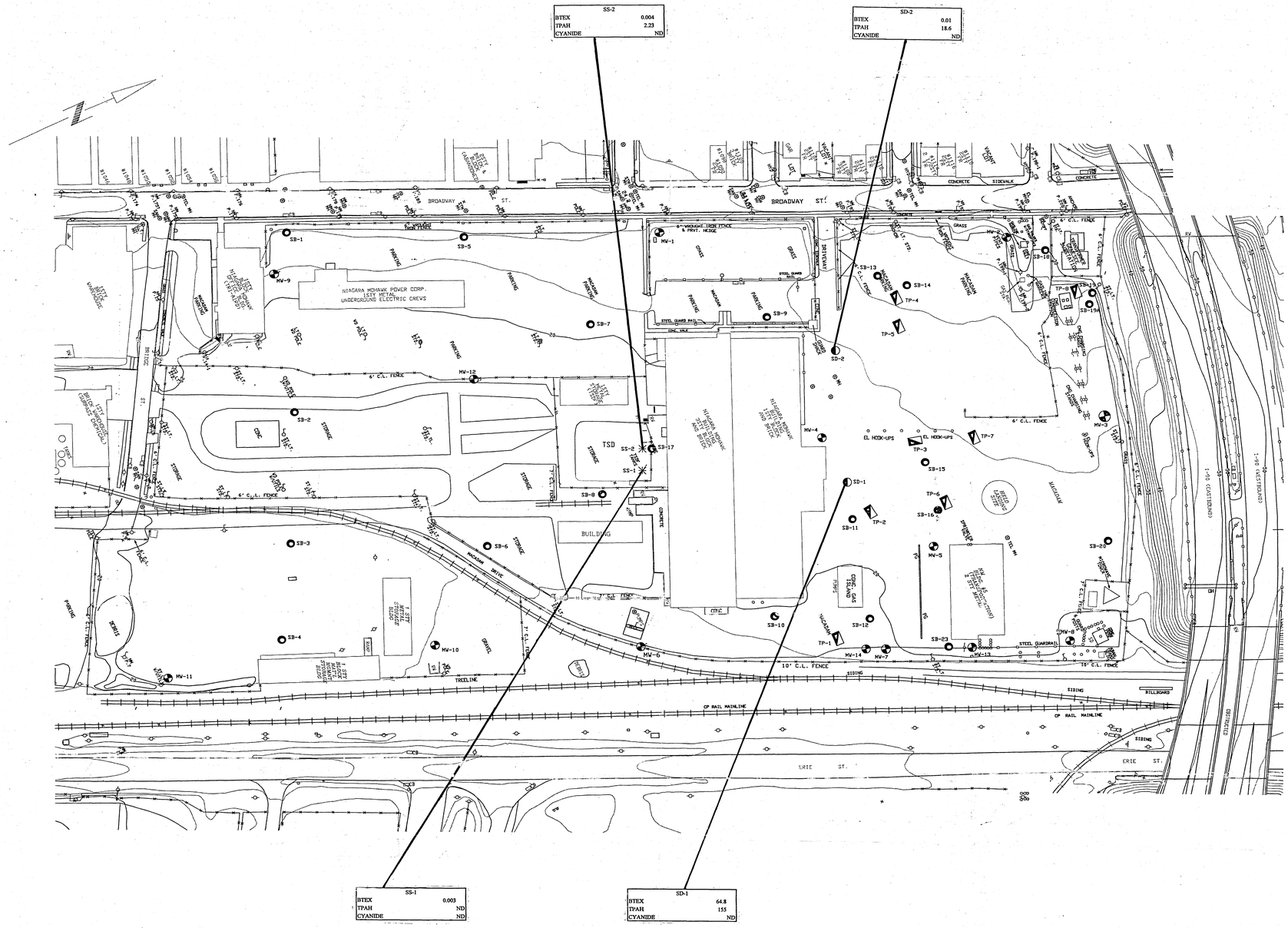
NIAGARA MOHAWK POWER CORPORATION
NORTH ALBANY FORMER MGP SITE

FIGURE 4-12

TOTAL BTEX, TOTAL PAH AND CYANIDE ANALYTICAL DATA RESULTS FOR ROUND I AND II GROUNDWATER LOCATIONS

FOSTER WHEELER ENVIRONMENTAL CORPORATION

NO.	DATE	REVISION	BY	CH	APPROVED



NOTES

CONCENTRATIONS GIVEN IN PPM (MG/KG).
BTEX = TOTAL OF BENZENE, TOLUENE, ETHYLBENZENE, STYRENE, AND XYLENE CONCENTRATIONS.
TPAH = TOTAL OF POLYCYCLIC AROMATIC HYDROCARBON (PAH) CONCENTRATIONS.
ND = NOT DETECTED.
J = ESTIMATED VALUE.
R = REJECTED VALUE.

LEGEND

- MONITORING WELL
- SOIL BORING
- SURFACE SOIL SAMPLE
- TEST PIT EXCAVATION
- STORM DRAIN SAMPLE

0 50 100 150 200
SCALE IN FEET

NIAGARA MOHAWK POWER CORPORATION
NORTH ALBANY FORMER MGP SITE

FIGURE 4-10

TOTAL BTEX, TOTAL PAH AND CYANIDE ANALYTICAL DATA RESULTS FOR SURFACE SOIL AND STORM DRAIN SEDIMENT LOCATIONS

FOSTER WHEELER ENVIRONMENTAL CORPORATION

NO.	DATE	REVISION	BY	CH	APPROVED

SB-1 (6'-8')	
BTEX	ND
TPAH	ND
CYANIDE	ND
SB-1 (10'-12')	
BTEX	0.008
TPAH	ND
CYANIDE	ND
SB-1 (14'-16')	
BTEX	0.023
TPAH	ND
CYANIDE	ND

SB-5 (4'-6')	
BTEX	ND
TPAH	0.328
CYANIDE	ND
SB-5 (12'-14')	
BTEX	ND
TPAH	1.04
CYANIDE	ND
SB-5 (20'-22')	
BTEX	0.002
TPAH	10.6
CYANIDE	ND

SB-7 (4'-8')	
BTEX	1.83
TPAH	5.8
CYANIDE	ND
SB-7 (14'-16')	
BTEX	ND
TPAH	0.046
CYANIDE	ND
SB-7 (22'-24')	
BTEX	ND
TPAH	0.15
CYANIDE	ND

MW-1 (6'-8')	
BTEX	ND
TPAH	ND
CYANIDE	ND
MW-1 (18'-20')	
BTEX	ND
TPAH	ND
CYANIDE	R
MW-1 (22'-24')	
BTEX	ND
TPAH	ND
CYANIDE	ND

SB-9 (6'-8')	
BTEX	0.011
TPAH	30.7
CYANIDE	ND
SB-9 (12'-14')	
BTEX	ND
TPAH	ND
CYANIDE	ND
SB-9 (20'-22')	
BTEX	0.038
TPAH	1.11
CYANIDE	ND

MW-4 (2'-4')	
BTEX	439
TPAH	207
CYANIDE	ND
MW-4 (4'-6')	
BTEX	6.38
TPAH	753
CYANIDE	6.84
MW-4 (12'-14')	
BTEX	18.0
TPAH	205
CYANIDE	ND
MW-4 (16'-18')	
BTEX	0.027
TPAH	4.69
CYANIDE	7.62

SB-13 (2'-4')	
BTEX	0.21
TPAH	1.8
CYANIDE	ND

SB-14 (4'-6')	
BTEX	0.007
TPAH	5.3
CYANIDE	ND
SB-14 (10'-12')	
BTEX	0.075
TPAH	2.10
CYANIDE	ND
SB-14 (18'-20')	
BTEX	265
TPAH	40.6
CYANIDE	ND

MW-2 (2'-4')	
BTEX	ND
TPAH	7.47
CYANIDE	ND
MW-2 (8'-10')	
BTEX	0.244
TPAH	242
CYANIDE	R
MW-2 (18'-20')	
BTEX	1070
TPAH	3064
CYANIDE	ND

SB-18 (4'-8')	
BTEX	3520
TPAH	17,030
CYANIDE	ND
SB-18 (12'-14')	
BTEX	4790
TPAH	12,550
CYANIDE	24
SB-18 (18'-20')	
BTEX	5920
TPAH	(estimated) 47,200
CYANIDE	ND
SB-18 (22'-24')	
BTEX	44.6
TPAH	76.4
CYANIDE	ND

SB-19 (4'-6')	
BTEX	0.063
TPAH	8.23
CYANIDE	ND
SB-19 (10'-12')	
BTEX	2130
TPAH	1785
CYANIDE	ND
SB-19 (14'-16')	
BTEX	264
TPAH	528
CYANIDE	ND

TP-8 (2.5')	
BTEX	44
TPAH	321
CYANIDE	ND

TP-4 (3')	
BTEX	0.021
TPAH	3.87
CYANIDE	ND

TP-5 (4.7')	
BTEX	203
TPAH	400
CYANIDE	ND

MW-9 (6'-8')	
BTEX	ND
TPAH	ND
CYANIDE	ND
MW-9 (10'-12')	
BTEX	ND
TPAH	ND
CYANIDE	ND
MW-9 (16'-18')	
BTEX	ND
TPAH	ND
CYANIDE	R

MW-12 (4'-6')	
BTEX	ND
TPAH	0.279
CYANIDE	ND
MW-12 (14'-16')	
BTEX	ND
TPAH	0.245
CYANIDE	ND
MW-12 (22'-24')	
BTEX	ND
TPAH	ND
CYANIDE	ND

SB-2 (4'-6')	
BTEX	ND
TPAH	0.281
CYANIDE	ND
SB-2 (14'-16')	
BTEX	ND
TPAH	ND
CYANIDE	ND
SB-2 (20'-22)	
BTEX	ND
TPAH	ND
CYANIDE	ND

TP-7 (5.5')	
BTEX	6.02
TPAH	190
CYANIDE	ND
TP-7 (7')	
BTEX	395
TPAH	5407
CYANIDE	ND

MW-3 (6.5'-8.5')	
BTEX	0.013
TPAH	ND
CYANIDE	ND
MW-3 (10.5'-12.5')	
BTEX	0.002
TPAH	ND
CYANIDE	ND

TP-3 (2')	
BTEX	51.1
TPAH	891
CYANIDE	ND

SB-15 (6'-8')	
BTEX	32.4
TPAH	1194
CYANIDE	ND
SB-15 (12'-14')	
BTEX	7.38
TPAH	275
CYANIDE	ND
SB-15 (18'-20')	
BTEX	691
TPAH	567
CYANIDE	ND

TP-6 (3.3')	
BTEX	115
TPAH	2656
CYANIDE	ND
TP-6 (5')	
BTEX	119
TPAH	3320
CYANIDE	ND

SB-16 (4'-6')	
BTEX	35.0
TPAH	1801
CYANIDE	ND
SB-16 (12'-14')	
BTEX	655
TPAH	4499
CYANIDE	ND
SB-16 (18'-20')	
BTEX	18.7
TPAH	410
CYANIDE	ND
SB-16 (20'-21')	
BTEX	104
TPAH	884
CYANIDE	ND

SB-17 (2'-4')	
BTEX	0.109
TPAH	3.53
CYANIDE	ND
SB-17 (10'-12')	
BTEX	0.011
TPAH	1.06
CYANIDE	ND
SB-17 (22'-24')	
BTEX	0.051
TPAH	5.48
CYANIDE	ND

SB-8 (6'-8')	
BTEX	ND
TPAH	ND
CYANIDE	ND
SB-8 (16'-18')	
BTEX	ND
TPAH	ND
CYANIDE	ND
SB-8 (20'-22')	
BTEX	ND
TPAH	ND
CYANIDE	ND

SB-3 (6'-8')	
BTEX	ND
TPAH	ND
CYANIDE	ND
SB-3 (14'-16')	
BTEX	ND
TPAH	ND
CYANIDE	ND
SB-3 (20'-22)	
BTEX	ND
TPAH	ND
CYANIDE	ND
SB-3 (26'-28')	
BTEX	0.004
TPAH	ND
CYANIDE	ND

MW-6 (4'-6')	
BTEX	380
TPAH	19,212
CYANIDE	ND
MW-6 (12'-14')	
BTEX	22.3
TPAH	51.8
CYANIDE	ND
MW-6 (20'-22')	
BTEX	0.227
TPAH	74.3
CYANIDE	0.94

SB-6 (6'-8')	
BTEX	ND
TPAH	0.19
CYANIDE	ND
SB-6 (12'-14')	
BTEX	ND
TPAH	0.969
CYANIDE	ND
SB-6 (18'-20')	
BTEX	ND
TPAH	4.88
CYANIDE	ND

MW-11 (4'-6')	
BTEX	ND
TPAH	0.871
CYANIDE	ND
MW-11 (8'-10')	
BTEX	ND
TPAH	ND
CYANIDE	ND
MW-11 (12'-14')	
BTEX	ND
TPAH	0.28
CYANIDE	ND
MW-11 (18'-20')	
BTEX	ND
TPAH	ND
CYANIDE	ND

SB-4 (8'-10')	
BTEX	ND
TPAH	18.9
CYANIDE	ND
SB-4 (16'-18')	
BTEX	ND
TPAH	ND
CYANIDE	ND
SB-4 (26'-28')	
BTEX	0.003
TPAH	0.14
CYANIDE	ND

MW-10 (2'-4')	
BTEX	ND
TPAH	0.682
CYANIDE	ND
MW-10 (2'-4')	
BTEX	0.028
TPAH	1.25
CYANIDE	2 J
MW-10 (6'-8')	
BTEX	0.039
TPAH	6.80
CYANIDE	ND
MW-10 (10'-12')	
BTEX	9.93
TPAH	313
CYANIDE	ND
MW-10 (14'-16')	
BTEX	14.9
TPAH	18.5
CYANIDE	ND
MW-10 (20'-22')	
BTEX	0.028
TPAH	1.98
CYANIDE	ND

SB-11 (2'-4')	
BTEX	9.1
TPAH	1271
CYANIDE	0.86
SB-11 (8'-10')	
BTEX	280
TPAH	6397
CYANIDE	ND
SB-11 (14'-16')	
BTEX	163
TPAH	1271
CYANIDE	ND
SB-11 (20'-22')	
BTEX	7.51
TPAH	90.2
CYANIDE	ND

SB-10 (8'-10')	
BTEX	1360
TPAH	(estimated) 123,550
CYANIDE	ND
SB-10 (14'-16')	
BTEX	0.07
TPAH	0.507
CYANIDE	ND
SB-10 (22'-24')	
BTEX	0.012
TPAH	6.88
CYANIDE	ND

TP-1 (3')	
BTEX	556
TPAH	7289
CYANIDE	ND
TP-1 (4')	
BTEX	1641
TPAH	14,127
CYANIDE	ND

SB-12 (2'-4')	
BTEX	45.2
TPAH	6839
CYANIDE	161
SB-12 (6'-8')	
BTEX	454
TPAH	(estimated) 177,693
CYANIDE	ND
SB-12 (12'-14')	
BTEX	114
TPAH	4876
CYANIDE	ND
SB-12 (20'-22')	
BTEX	16.1
TPAH	243
CYANIDE	ND

TP-2 (3')	
BTEX	112
TPAH	390
CYANIDE	ND

MW-14 (2'-4')	
BTEX	0.009
TPAH	701
CYANIDE	ND
MW-14 (6'-8')	
BTEX	123
TPAH	6839
CYANIDE	ND
MW-14 (8'-10')	
BTEX	883
TPAH	18,180
CYANIDE	R
MW-14 (16'-18')	
BTEX	0.005
TPAH	5.81
CYANIDE	ND

SB-23 (4'-6')	
BTEX	21.1
TPAH	59.0
CYANIDE	ND
SB-23 (8'-10')	
BTEX	521
TPAH	(estimated) 156,697
CYANIDE	ND
SB-23 (14'-16')	
BTEX	1122
TPAH	(estimated) 42,870
CYANIDE	ND
SB-23 (20'-22')	
BTEX	0.454
TPAH	29.5
CYANIDE	ND

MW-13 (12'-14')	
BTEX	0.084
TPAH	34.7
CYANIDE	ND
MW-13 (24'-26')	
BTEX	13.1
TPAH	666
CYANIDE	ND

MW-5 (6'-8')	
BTEX	56
TPAH	727
CYANIDE	ND
MW-5 (14'-16')	
BTEX	450
TPAH	636
CYANIDE	ND
MW-5 (20'-22')	
BTEX	229
TPAH	1171
CYANIDE	ND

MW-8 (6'-8')	
BTEX	12.6
TPAH	64.5
CYANIDE	0.58
MW-8 (14'-16')	
BTEX	0.036
TPAH	29.1
CYANIDE	ND
MW-8 (18'-20')	
BTEX	0.001
TPAH	4.78
CYANIDE	ND

SB-20 (2'-4')	
BTEX	ND
TPAH	3.65
CYANIDE	ND
SB-20 (6'-8')	
BTEX	ND
TPAH	0.089
CYANIDE	ND
SB-20 (10'-12')	
BTEX	ND
TPAH	0.174
CYANIDE	ND

BTEX 0.01
TPAH 18.6
CNT ND

BTEX 68
TPAH 155
CNT ND

SD-1
Aroclor A.6
Aroclor 1260

NIAGARA MOHAWK POWER CORP.
CITY METAL
UNDERGROUND ELECTRIC CREWS

TSD

BUILDING

BRIDGE

CONC. PAD

GAS REGULATOR STATION

NIAGARA MOHAWK GAS REGULATOR STATION

NEW YORK STATE ELECTRIC & GAS CORPORATION (FORMER MGP SITE)

BRIDGE STREET

BROADWAY ST.

ERIE ST.

CP RAIL MAINLINE

MACADAM DRIVE

TREE LINE

GRAVEL

SIDING

BILLBOARD

STEEL GUARDRAIL

10' C.L. FENCE

6' C.L. FENCE

4' C.L. FENCE

CONCRETE SIDEWALK

GRASS

PARKING

STORAGE

EL HOOK-UPS

ESTIMATED

NOTES

CONCENTRATIONS GIVEN IN PPM (MG/KG).

BTEX = TOTAL OF BENZENE, TOLUENE, ETHYLBENZENE, STYRENE, AND XYLENE CONCENTRATIONS.

TPAH = TOTAL OF POLYCYCLIC AROMATIC HYDROCARBON (PAH) CONCENTRATIONS.

ND = NOT DETECTED.

J = ESTIMATED VALUE.

R = REJECTED VALUE.

LEGEND

- MONITORING WELL
- SOIL BORING
- SURFACE SOIL SAMPLE
- TEST PIT EXCAVATION
- STORM DRAIN SAMPLE

0 50 100 150 200

SCALE IN FEET

NO.	DATE	REVISION	BY	CH	APPROVED

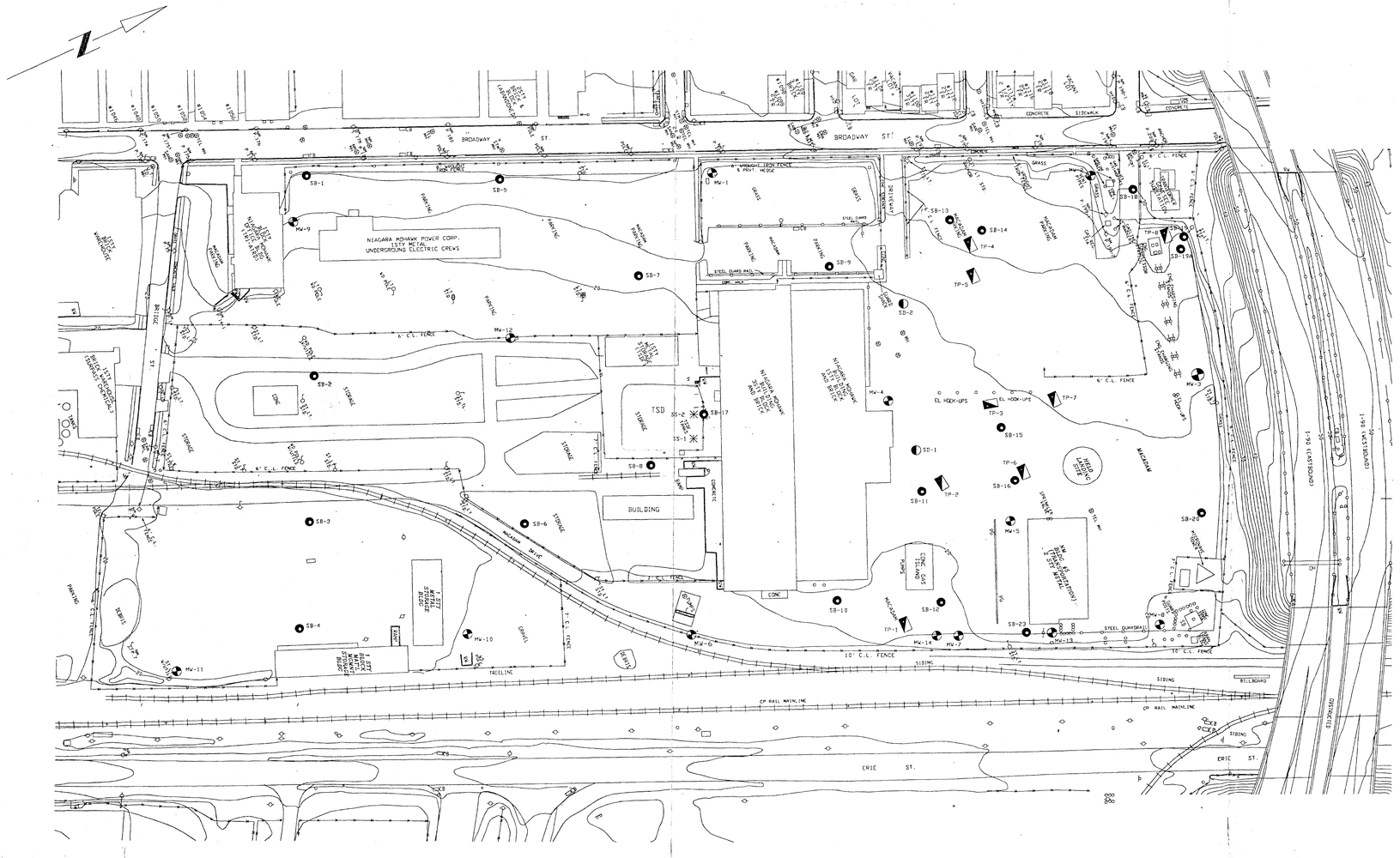
NIAGARA MOHAWK POWER CORPORATION

NORTH ALBANY FORMER MGP SITE

FIGURE 4-11

TOTAL BTEX, TOTAL PAH AND CYANIDE ANALYTICAL DATA RESULTS FOR SUBSURFACE SOIL LOCATIONS

FOSTER WHEELER ENVIRONMENTAL CORPORATION



LEGEND

- MONITORING WELL
- SOIL BORING
- SURFACE SOIL SAMPLE
- TEST PIT EXCAVATION
- STORM DRAIN SAMPLE

0 50 100 150 200

SCALE IN FEET

THIS DRAWING EXISTS ON A CADD FILE.
DO NOT REVISE IT MANUALLY.

NIAGARA MOHAWK POWER CORPORATION

NORTH ALBANY FORMER MGP SITE

FIGURE 3-1

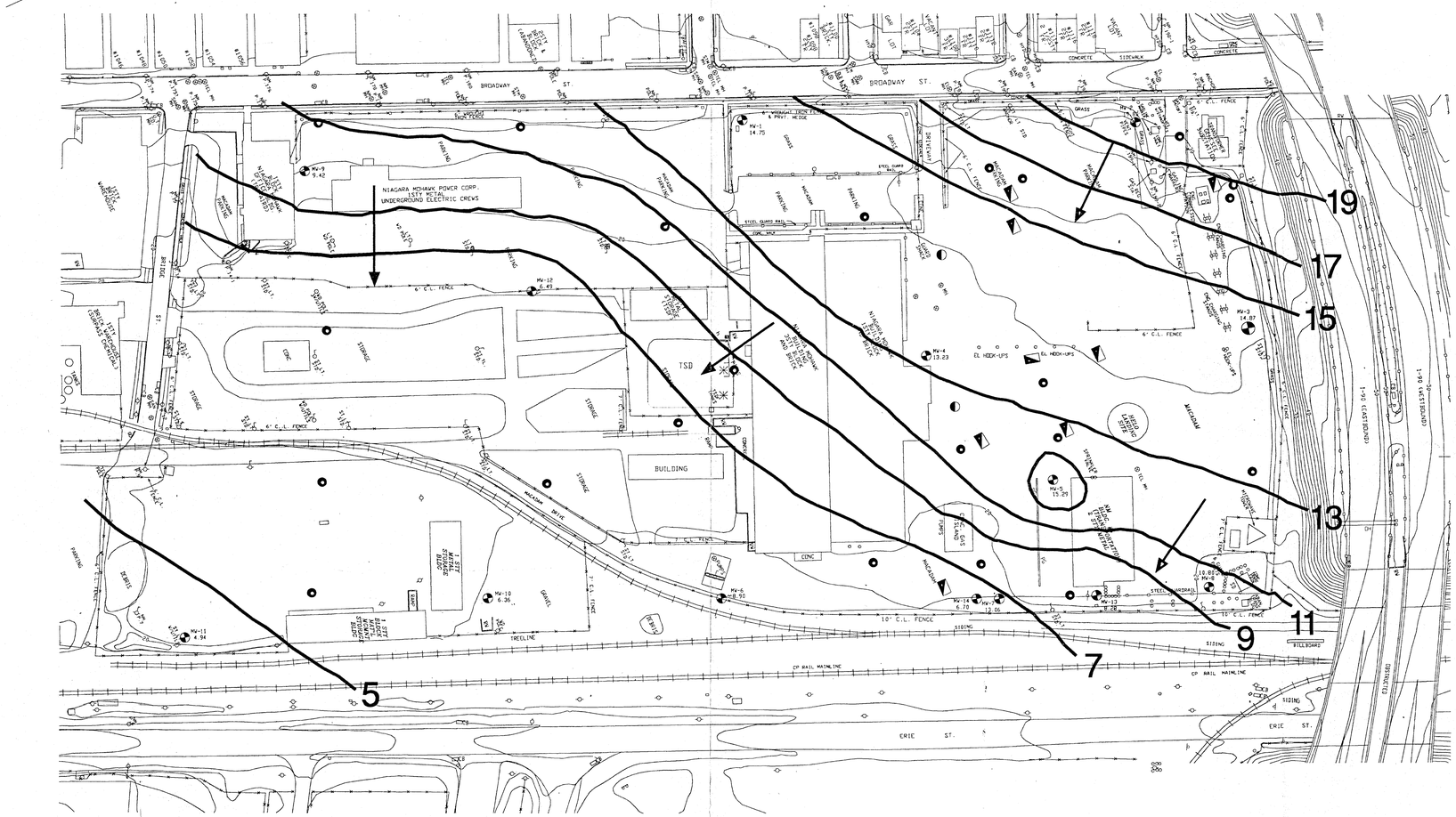
SAMPLING LOCATIONS

FOSTER WHEELER ENVIRONMENTAL CORPORATION

NO.	DATE	REVISION	BY	CH	APPROVED

SCALE: APPROVED DATE
DV. SAS
DR. HB
CH.

CAD FILE NAME: NMPC2-1A.DWG DATE: 4/10/95
PLOT SCALE: 1=50 TIME: 10:36 AM



LEGEND

- MONITORING WELL
- SOIL BORING
- SURFACE SOIL SAMPLE
- TEST PIT EXCAVATION
- STORM DRAIN SAMPLE

0 50 100 150 200
SCALE IN FEET

THIS DRAWING EXISTS ON A CADD FILE.
DO NOT REVISE IT MANUALLY.

NIAGARA MOHAWK POWER CORPORATION

NORTH ALBANY FORMER MGP SITE

FIGURE 4-8

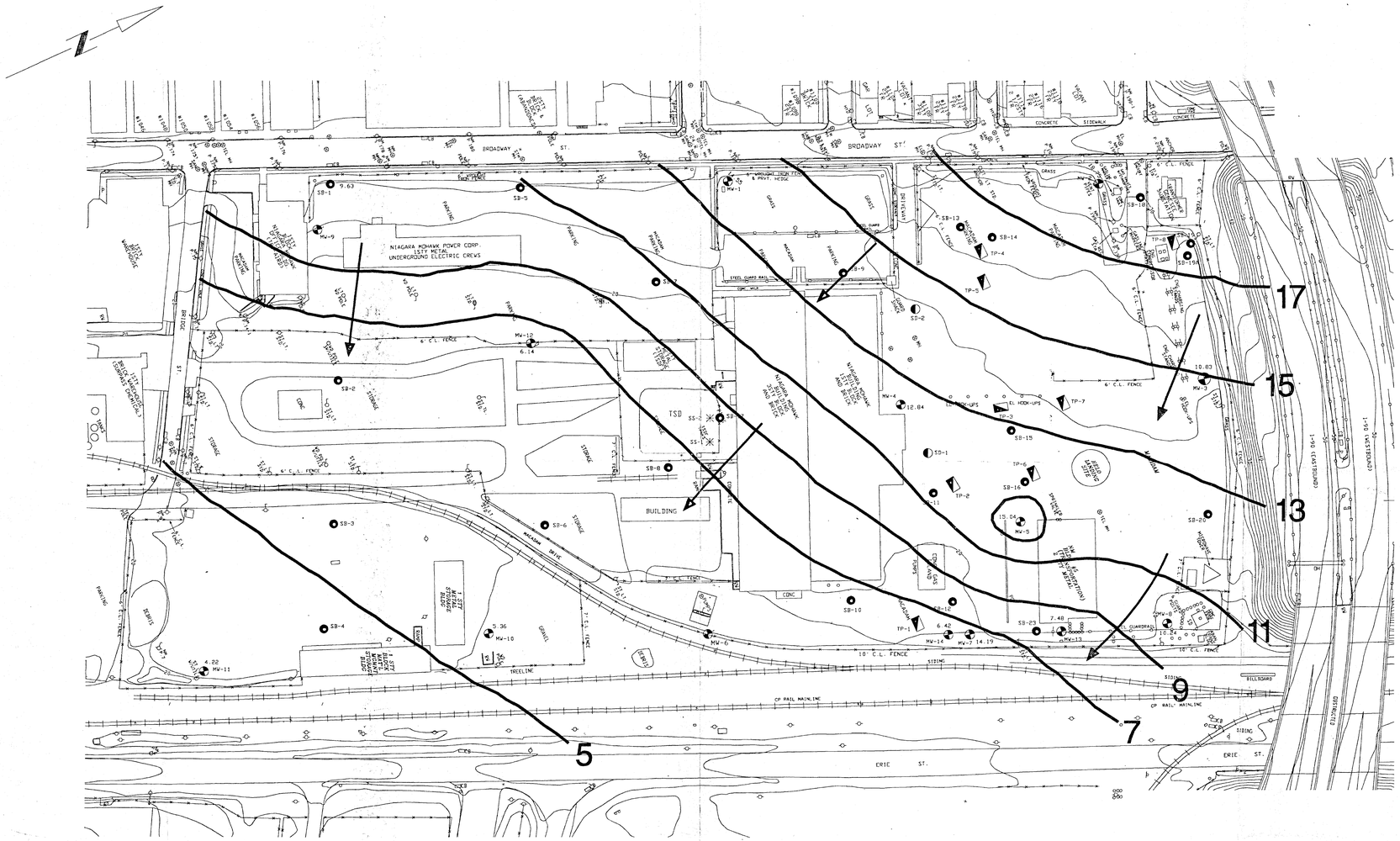
PIEZOMETRIC SURFACE
OCTOBER 20,1994

FOSTER WHEELER ENVIRONMENTAL CORPORATION

NO.	DATE	REVISION	BY	CH	APPROVED

SCALE:
APPROVED
DATE
DR. MB
CH.

CAD FILE NAME: NNPC2-2A.DWG DATE: 4/11/95
PLOT SCALE: 1=50 TIME: 11:32 AM



0 50 100 150 200
SCALE IN FEET

LEGEND

- MONITORING WELL
- SOIL BORING
- SURFACE SOIL SAMPLE
- TEST PIT EXCAVATION
- STORM DRAIN SAMPLE

THIS DRAWING EXISTS ON A CADD FILE
DO NOT REVISE IT MANUALLY.

NIAGARA MOHAWK POWER CORPORATION

NORTH ALBANY FORMER MGP SITE

FIGURE 4-9

PIEZOMETRIC SURFACE
NOVEMBER 29,1994

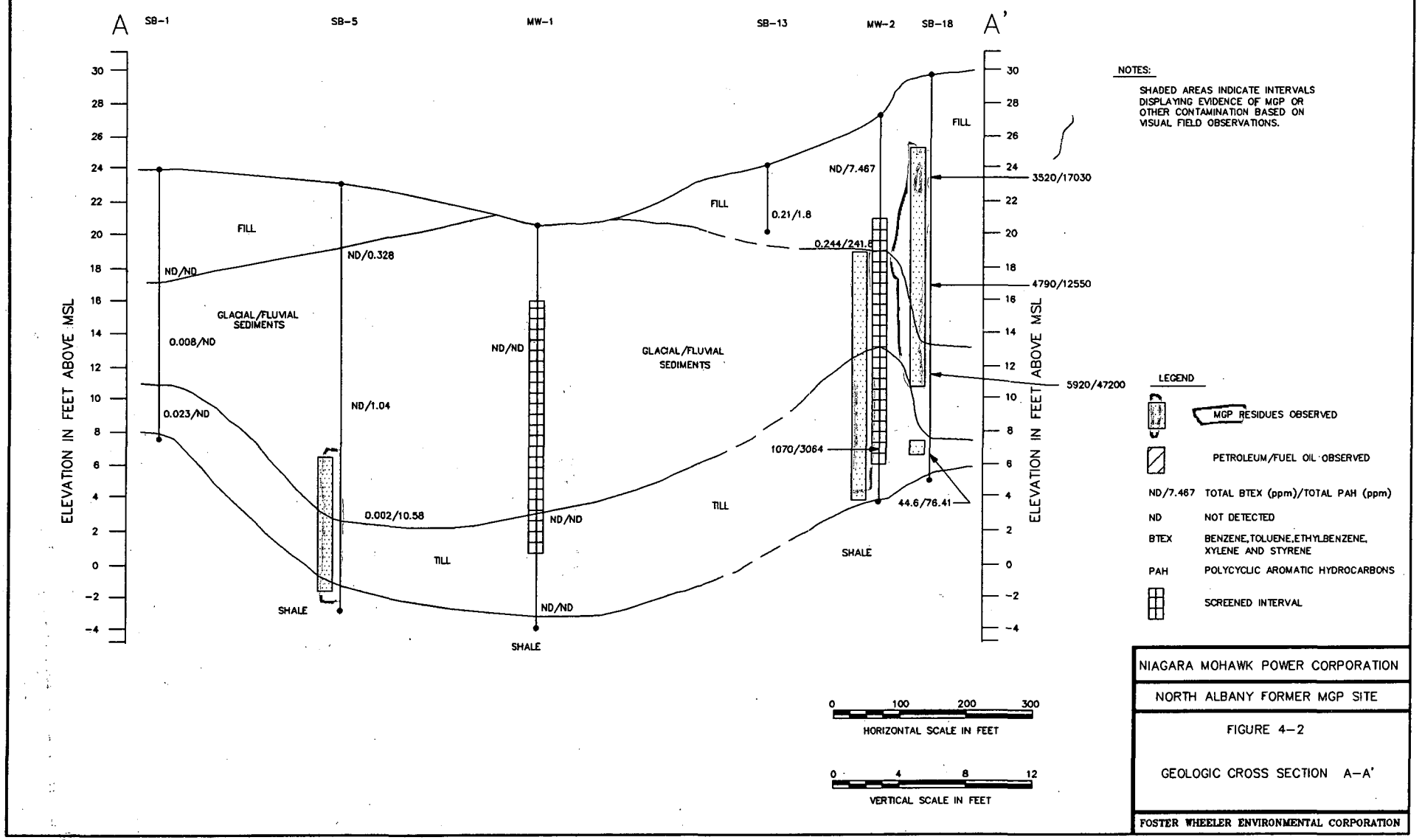
FOSTER WHEELER ENVIRONMENTAL CORPORATION

SCALE: | APPROVED | DATE

DV: SAO
DR: HB
CH:

NO	DATE	REVISION	BY / CH	APPROVED

CAD FILE NAME: NMPC2-3A.DWG DATE: 4/11/95
PLOT SCALE: 1=50 TIME: 2:57 PM



NIAGARA MOHAWK POWER CORPORATION

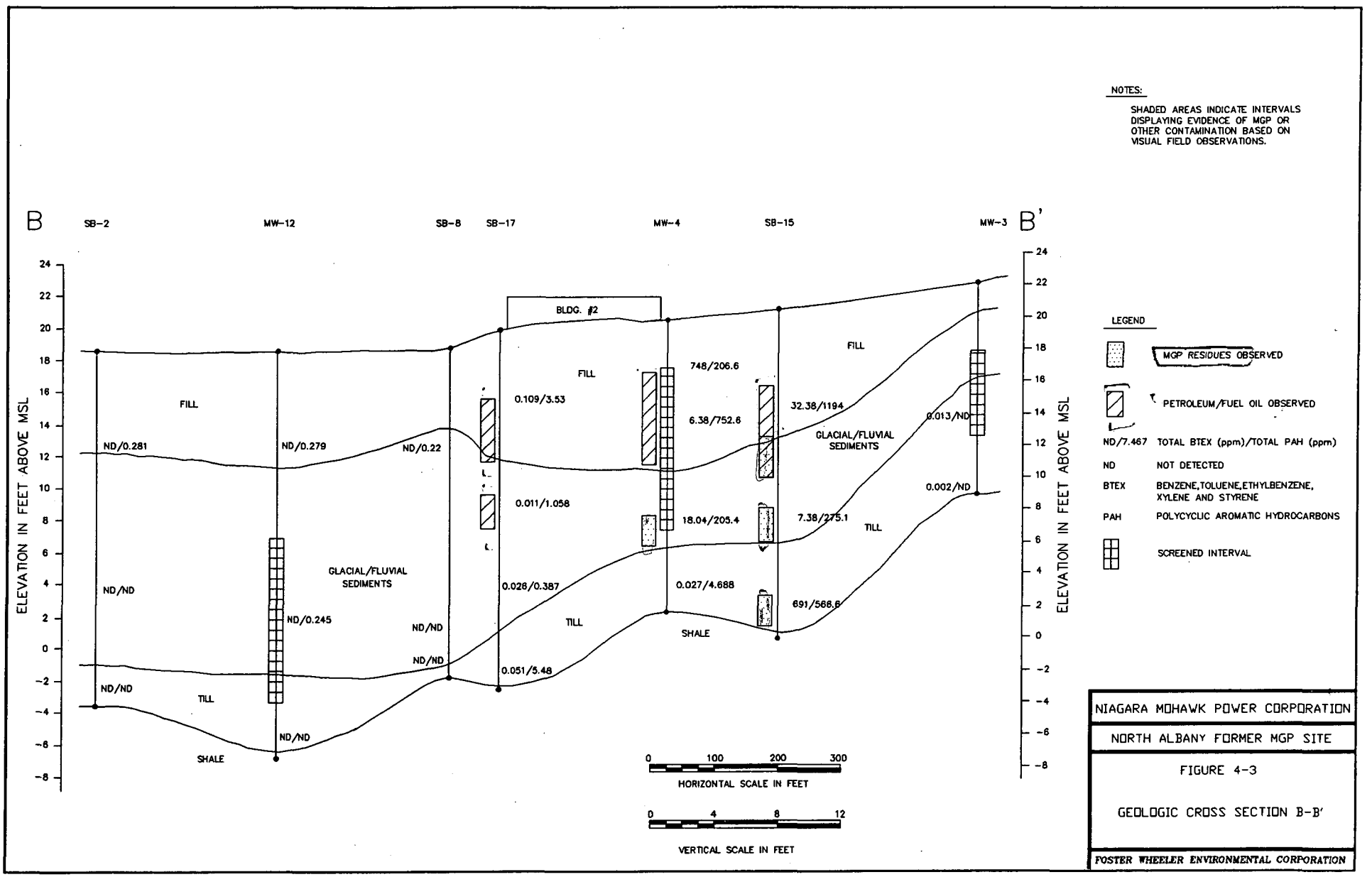
NORTH ALBANY FORMER MGP SITE

FIGURE 4-2

GEOLOGIC CROSS SECTION A-A'

FOSTER WHEELER ENVIRONMENTAL CORPORATION

CAD FILE NAME: NMPC3-2A.DWG DATE: 4/12/95
PLOT SCALE: 1"=100 TIME: 8:32 AM



NOTES:

SHADED AREAS INDICATE INTERVALS DISPLAYING EVIDENCE OF MGP OR OTHER CONTAMINATION BASED ON VISUAL FIELD OBSERVATIONS.

LEGEND

- MGP RESIDUES OBSERVED
- PETROLEUM/FUEL OIL OBSERVED
- ND/7.467 TOTAL BTEX (ppm)/TOTAL PAH (ppm)
- ND NOT DETECTED
- BTEX BENZENE, TOLUENE, ETHYLBENZENE, XYLENE AND STYRENE
- PAH POLYCYCLIC AROMATIC HYDROCARBONS
- SCREENED INTERVAL

NIAGARA MOHAWK POWER CORPORATION

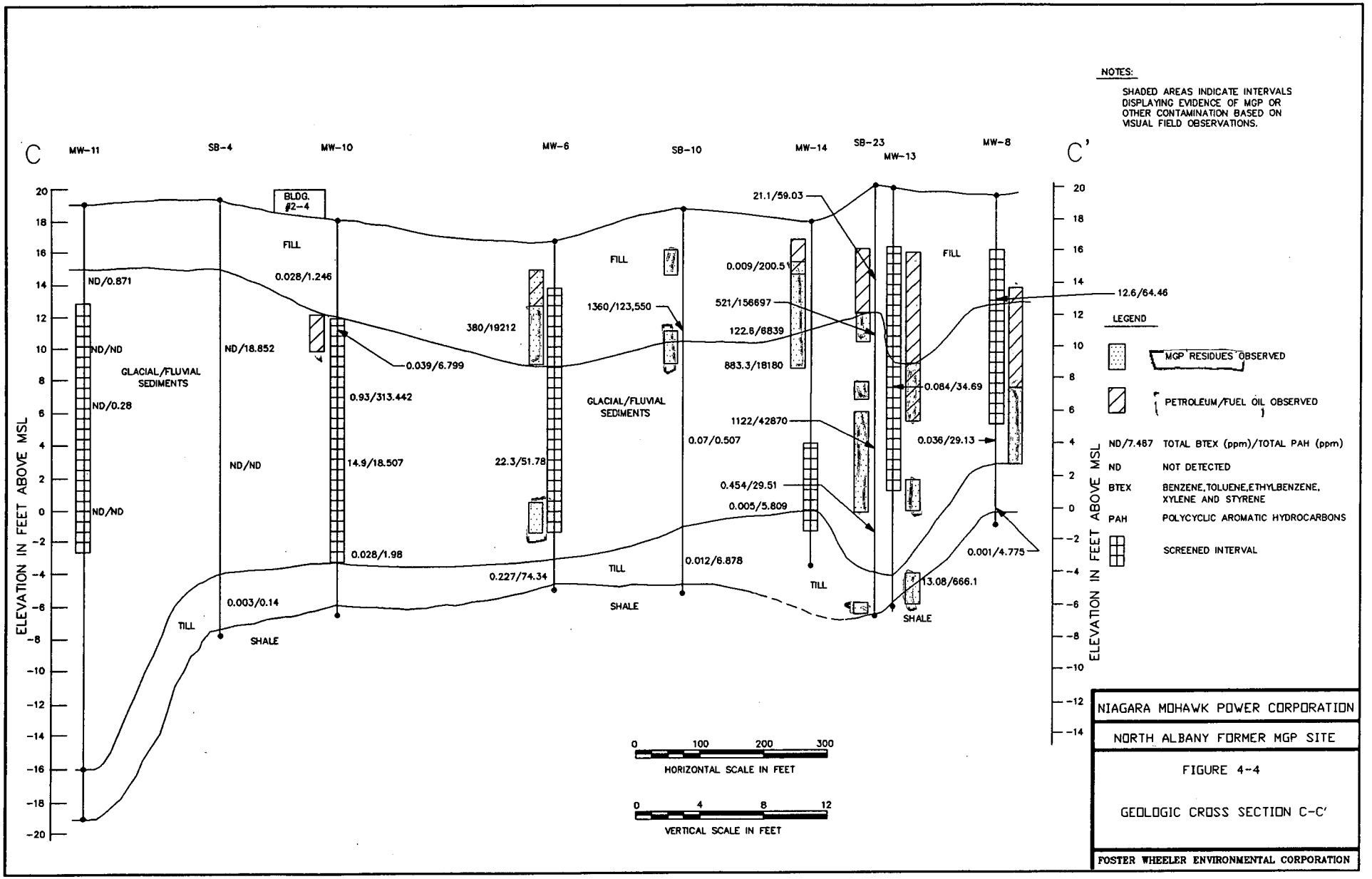
NORTH ALBANY FORMER MGP SITE

FIGURE 4-3

GEOLOGIC CROSS SECTION B-B'

FOSTER WHEELER ENVIRONMENTAL CORPORATION

CAD FILE NAME: NMPC3-3A.DWG DATE: 4/12/95
PLOT SCALE: 1"=100 TIME: 8:34 AM



CAD FILE NAME: NMPC3-4A.DWG DATE: 4/12/95
PLOT SCALE: 1"=100 TIME: 12:30 PM

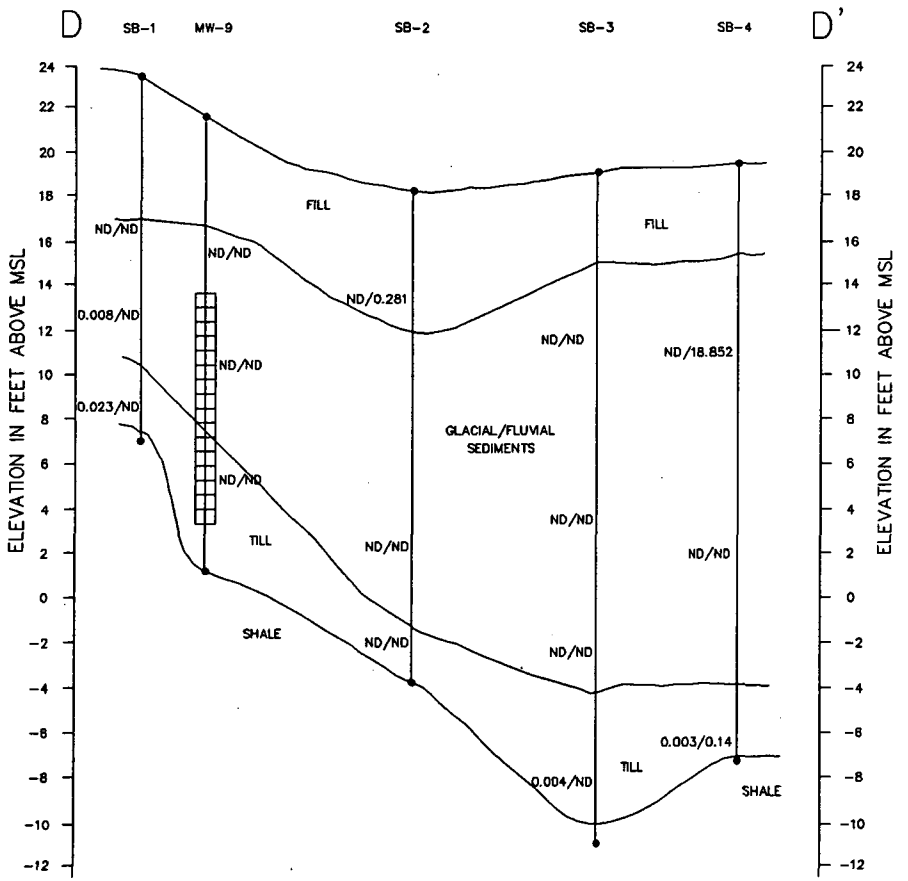
NIAGARA MOHAWK POWER CORPORATION

NORTH ALBANY FORMER MGP SITE

FIGURE 4-4

GEOLOGIC CROSS SECTION C-C'

FOSTER WHEELER ENVIRONMENTAL CORPORATION



NOTES:

SHADED AREAS INDICATE INTERVALS DISPLAYING EVIDENCE OF MGP OR OTHER CONTAMINATION BASED ON VISUAL FIELD OBSERVATIONS.

LEGEND

ND/7.467	TOTAL BTEX (ppm)/TOTAL PAH (ppm)
ND	NOT DETECTED
BTEX	BENZENE, TOLUENE, ETHYLBENZENE, XYLENE AND STYRENE
PAH	POLYCYCLIC AROMATIC HYDROCARBONS
	SCREENED INTERVAL

0 100 200 300
HORIZONTAL SCALE IN FEET

0 4 8 12
VERTICAL SCALE IN FEET

NIAGARA MOHAWK POWER CORPORATION

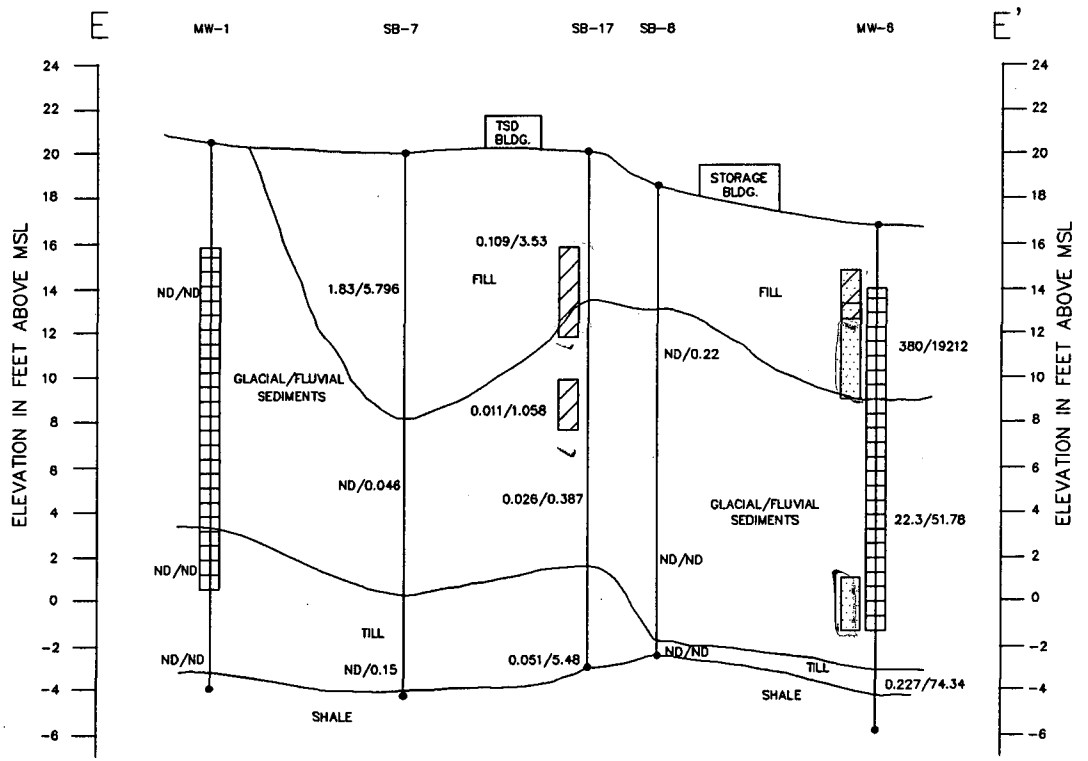
NORTH ALBANY FORMER MGP SITE

FIGURE 4-5

GEOLOGIC CROSS SECTION D-D'

FOSTER WHEELER ENVIRONMENTAL CORPORATION

CAD FILE NAME: NMPC3-5A.DWG DATE: 4/12/95
PLOT SCALE: 1"=100 TIME: 8:39 AM



NOTES:

SHADED AREAS INDICATE INTERVALS DISPLAYING EVIDENCE OF MGP OR OTHER CONTAMINATION BASED ON VISUAL FIELD OBSERVATIONS.

LEGEND

	MGP RESIDUES OBSERVED
	PETROLEUM/FUEL OIL OBSERVED
ND/7.467	TOTAL BTEX (ppm)/TOTAL PAH (ppm)
ND	NOT DETECTED
BTEX	BENZENE, TOLUENE, ETHYLBENZENE, XYLENE AND STYRENE
PAH	POLYCYCLIC AROMATIC HYDROCARBONS
	SCREENED INTERVAL

HORIZONTAL SCALE IN FEET

VERTICAL SCALE IN FEET

NIAGARA MOHAWK POWER CORPORATION

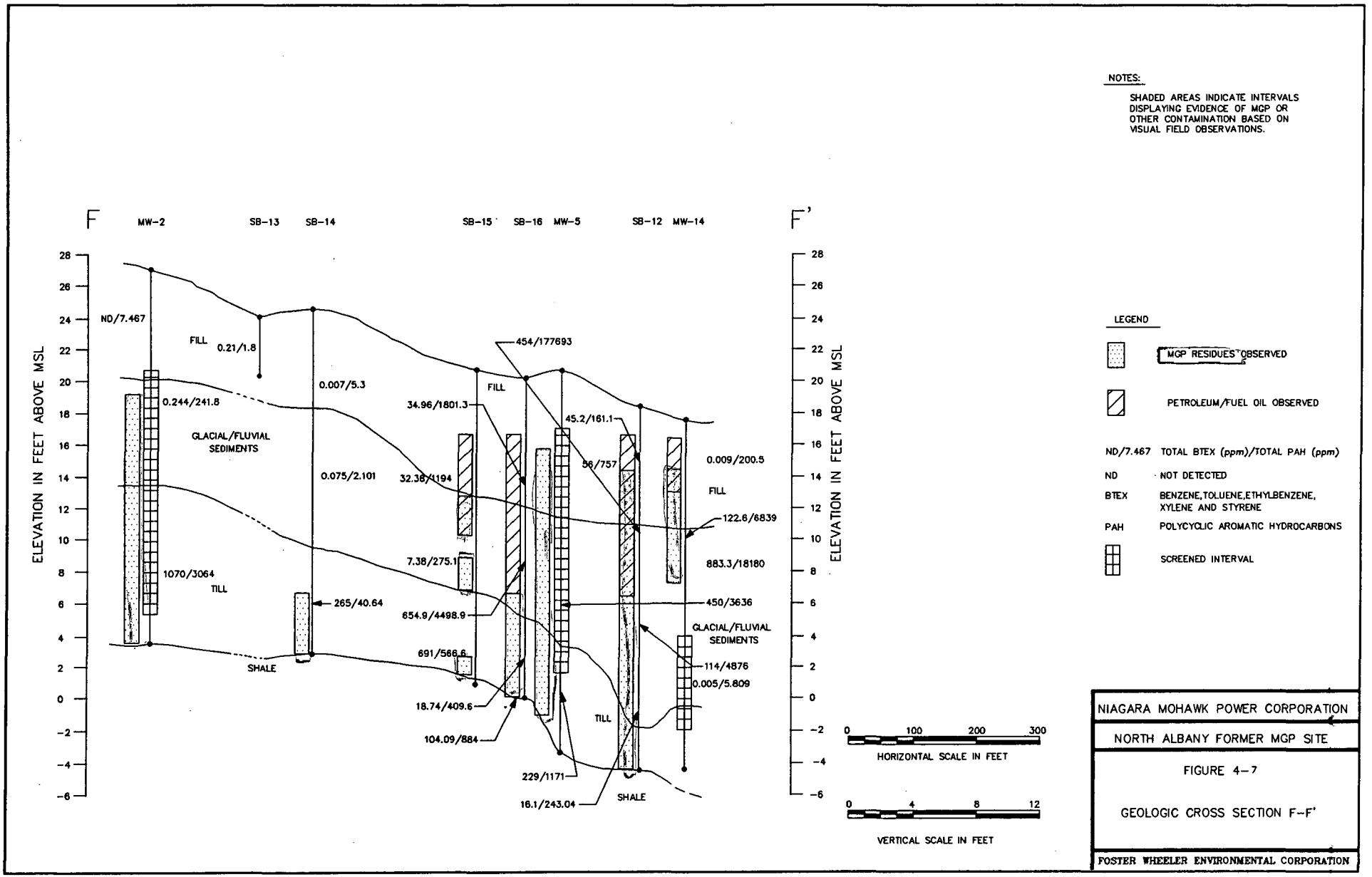
NORTH ALBANY FORMER MGP SITE

FIGURE 4-6

GEOLOGIC CROSS SECTION E-E'

FOSTER WHEELER ENVIRONMENTAL CORPORATION

CAD FILE NAME: NMPC3-6A.DWG DATE: 4/12/95
PLOT SCALE: 1"=100 TIME: 12:29 PM



NOTES:

SHADED AREAS INDICATE INTERVALS DISPLAYING EVIDENCE OF MGP OR OTHER CONTAMINATION BASED ON VISUAL FIELD OBSERVATIONS.

LEGEND

MGP RESIDUES OBSERVED

PETROLEUM/FUEL OIL OBSERVED

ND/7.467 TOTAL BTEX (*ppm*)/TOTAL PAH (*ppm*)

ND NOT DETECTED

BTEX BENZENE, TOLUENE, ETHYLBENZENE, XYLENE AND STYRENE

PAH POLYCYCLIC AROMATIC HYDROCARBONS

SCREENED INTERVAL

NIAGARA MOHAWK POWER CORPORATION

NORTH ALBANY FORMER MGP SITE

FIGURE 4-7

GEOLOGIC CROSS SECTION F-F'

FOSTER WHEELER ENVIRONMENTAL CORPORATION

CAD FILE NAME: NMPC3-7A.DWG DATE: 4/12/95
PLOT SCALE: 1"=100 TIME: 8:42 AM

APPENDIX A

LOCATION OF CORRECTIVE ACTION UNITS

L-1:
APPROXIMATE LIMITS OF
FORMER MANUFACTURED
GAS PLANT

N

S-1:
PCB STORAGE SHED

VERSAIRE BLDG.#1

BLDG.#2-1

S-7
CORROSIVES
STORAGE
CABINET

GUARD
HOUSE #1

S-2:
TRANSFORMER
BLDG.-7

SWMU
B-2 (SOIL BENEATH
BUILDING-2)

TRANSFORMER
SHOP
S-6
FLAMMABLE
STORAGE CABINET

BLDG.
3

ARCHIVES
BLDG.
4

S-5: YARD
STORAGE AREA

BLDG. #2.

T-6: 5000-GALLON
UNDERGROUND GAS TANK
(REMOVED)

TANK #6200:
NON-HAZARDOUDS
WASTE OIL (REMOVED)

S-4:
TRANSFORMER SHOP
HAZARDOUS WASTE
STORAGE AREA

T-7: 2000-GALLON
UNDERGROUND GAS TANK
(REMOVED)

TANK 373-01
NEW STORAGE
TANK FACILITY

TANK #6300:
PCB-CONTIMINATED
WASTE OIL

TANK 360-02

T-5: 8000-GALLON
UNDERGROUND
GASOLINE TANK

VEHICLE
MAINTENANCE
BUILDING

GUARD HOUSE #2

S-3: MERCURY
STORAGE AREA

T-3: 1000-GALLON
WASTE OIL TANK

T-8:
10,000-GALLON
ABOVE GROUND
DIESEL TANK
(REMOVED)

R.R. R.O.W.

TANK 360-01

T-1: OIL/WATER
SEPARATOR

T-4: SKIMMED OIL
COLLECTION TANK

BLDG.#2-2

BLDG.#2-4

DW-1: DRY WELL
(REMOVED)

SATELLITE
DISH

BLDG.#2-3

T-10 T-11 Waste oil Tanks

T-2: 8000-GALLON
UNDERGROUND
DIESEL TANK

T-9: 8000-GALLON
UNDERGROUND GASOLINE
TANK (REMOVED)

LEGEND

FENCE

RIGHT-OF-WAY

100' 0 100'

SCALE: 1" = 100'

III- 032

LAYERS OFF: REF
5/83 S4-AK
3643301R/3643SC02.DWG

BLASLAND & BOUCK ENGINEERS, P.C.
ENGINEERS & SCIENTISTS

NIAGARA MOHAWK POWER CORPORATION
NORTH ALBANY SERVICE CENTER
HAZARDOUS WASTE MANAGEMENT
PERMIT APPLICATION

LOCATION OF CORRECTIVE ACTION UNITS | FIGURE 1

APPENDIX B

SOIL BORING LOGS

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SJB Drilling
DRILLING/SAMPLING METHOD: 4¼" HSA / 2" Carbon Steel Split Spoon

BORING NUMBER: SB-1
DATE STARTED: 10/4/94
DATE COMPLETED: 10/4/94
GROUNDWATER DEPTH:
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVA HNU ppm	COMMENTS
	0									
	.5					asphalt				
	2	4-4-3	7"		FILL	0-4": Dk brn. silty f-c SAND, little clay, few black glass/metallic fragments, sl. moist - dry 4-5": red brick 5-7": Med-lt. brn f-m SAND, little f-c grvl, dense, dry.	1656	10/4/94	NAB	
	4	3-4-7-5	18"		FILL	0-18": Med-lt. brn clayey SILT, little-tr. f-m sand, sl. moist	1700	10/4/94	NAB	
SB-1 4-6'	6	2-2-5-4	23"		FILL	0-23": as above, few brick fragments at 20-22"	1707	10/4/94	NAB	- geotech
SB-1 6-8'	8	3-4-5-5	14"		FILL	0-3": as above 3-14": Med-lt. brn clayey f-c SAND, some-little f-c grvl, moist.	1709	10/4/94	NAB	- Indicators
	10	5-6-7-7	24"		CP	0-24". Med brn-red f-c SAND and f-c GRAVEL, little-tr. silt and clay, few shale chunks, sl. moist.	1721	10/4/94	NAB	3" spoon
SB-1 10-12	12	3-4-4-3	14"		GP	0-14": as above	1724	10/4/94	NAB	Indicators

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SJB Drilling
DRILLING/SAMPLING METHOD: 4 1/4" HSA / 2" Carbon Steel Split Spoon

BORING NUMBER: SB-1
DATE STARTED: 10/4/94
DATE COMPLETED: 10/4/94
GROUNDWATER DEPTH:
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVA ppm	COMMENTS
	12	3-6-15-17	16"		TILL	0-10": as above 10-16": fragmented rock (shale), weathered. Soil in spoonshoe	1727	10/4/94	NMS	
SB-1 14-16	16	4-9-22-32	23"		TILL	0-19": Med brn clayey f-c SAND, some fine gravel, many shale frag, moist. 19-23": Med grey shale, tr. clay, sl. weathered, dry to sl. moist	1743	10/4/94	NAD	Indicators
		50/4"	2"		TILL	0-2": solid shale, grey, saturated Boring terminated at 16.3'	1751	10/4/94	NMS	

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K MacGregor
DRILLER: SJB Drilling
DRILLING/SAMPLING METHOD: 4¼" HSA / 2" Carbon Steel Split Spoon

BORING NUMBER: SB-2
DATE STARTED: 10/5/94
DATE COMPLETED: 10/5/94
GROUNDWATER DEPTH: ~14 feet.
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVA/PID ppm	COMMENTS
	0									
	.5					asphalt				
		3-5-8	14"		FILL	0-8": Black f-m SAND, SILT, little ash-like material, wood, sl. moist.	1320	10/5/94	NAD	
					FILL	8-10": Med grey f-c SAND, little silt				
						10-14": Lt. Orange-brn f-m SAND, little silt, clay, tr. f. grvl, sl. moist.				
	2									
		6-5-4-3	18"		FILL	0-2½": as above	1322	10/5/94	NAD	peak 4 ppm
					FILL	2-9": Med grey-brn clayey SILT, little f. sand.				
					FILL	9-10": Med grey-brn f-c SAND & f. GRVL, little silt, dry				
					FILL	10-18": Med-dk grey silty f-c SAND, little-tr. clay and f. grvl, sl. moist				
	4									
SB-2 4-6'		2-2-2-3	22"		SM	0-10": Med brn silty f-m SAND, little-some clay, a few wood chunks, sl. moist	1329	10/5/94	5 ppm	3" spoon peak 40 ppm
						10-22": Med-dk grey SILTY f SAND, little clay, sl. moist, tr. f. grvl.				TCL/TAL + MS/MSD - brick chunk @ 19-20"
	6									
		2-2-1-3	10"		CL	0-10" Med grey-brn silty CLAY, tr. f. sand, sl. moist	1333	10/5/94	1 ppm	
	8									

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N Albany, NY
GEOLOGIST: K MacGregor
DRILLER: SJB
DRILLING/SAMPLING METHOD: 4¼" HSA/2" Carbon Steel Split Spoon

BORING NUMBER: SB-2
DATE STARTED: 10/5/94
DATE COMPLETED: 10/5/94
GROUNDWATER DEPTH: ~14 feet
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVM HNu ppm	COMMENTS
	8									
	10	1-3-2-4	16"		GC	0-6": as above 6-16": Med grey green clayey f-GRVL, little f-c SAND, sl. moist.	1344	10/5/94	2 ppm	
	12	3-5-4-6	18"		GC	0-18": Med grey-green f-m GRVL, some-little clay and f-c sand, sl. moist.	1348	10/5/94	1 ppm	
	14	7-7-8-8	11"		GC	0-11": as above, some sections have more grvl.	1351	10/5/94	NAB	Indicators
SB-2 14-16'	16	7-7-6-6	24"		GC SP	0-6": Med brn f-c GRVL, some silty clay, little f-c sand, moist. 6-24": Med brn f-c SAND, little f-c grvl, tr. silt, saturated	1404	10/5/94	NAB	3" spoon Indicators MS/MSD
	18	1-3-5-6	16"		SP	0-16": Med-dk brn f-c SAND, tr. f-m grvl, saturated	1406	10/5/94	NAB	
	20	19-98-6	24"		SP SM TILL	0-17": as above 17-19": Med brn silty SAND, tr. clay 19-24": Med grey f-c SAND, little-tr. silt & clay, trace grvl. (f-c).	1410	10/5/94	NAB	

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SJB
DRILLING/SAMPLING METHOD: 4 1/4 HSA/2" Carbon Steel Split Spoon

BORING NUMBER: SB-2
DATE STARTED: 10/5/94
DATE COMPLETED: 10/5/94
GROUNDWATER DEPTH: 14 feet
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVA HNU ppm	COMMENTS
SB-2 20-22'	20	3-9-11-25	17"		TILL	0-12": as above 12-17" Dk. grey SILTILE, tr. slt, dense	1425	10/5/94	NRS	Indicators
	22	50/1.5"	0		BR	shale (solid) in shoe	1433	10/5/94	—	
						Boring terminated at 22.1'				

NOTES:

PAGE 3 OF 3

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: STB
DRILLING/SAMPLING METHOD: 4¼" HSA / 2" Carbon Steel Split spoon

BORING NUMBER: SB-3
DATE STARTED: 10/6/94
DATE COMPLETED: 10/6/94
GROUNDWATER DEPTH: ~15 feet
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVA Hnu ppm	COMMENTS
	0									
	.5					gravel surface				
	2	15-20-15	14"		FILL	0-8": Med-lt. brn f-c SAND, little f-m grvl and silt, dry 8-14": Black silty f-m SAND, little f-m grvl, dry to sl. moist	1414	10/6/94	NAD	
	4	13-14-15-18	21"		FILL	0-7": Brn, black and rust colored f-m SAND, little f-m grvl, ashes, slag-like fragments, dry. 7-8": Brick fragments 8-16": Med brn sandy SILT, little f-grvl and clay, tight 16-20": Black ashes 20-21": Lt. yellow f-m sand, tight.	1420	10/6/94	NAD	
	6	4-3-4-4	16"		CL Fill?	0-16": Med-lt. grey-brn. silty CLAY, tr. f-m SAND, sl. moist.	1437	10/6/94	2ppm, peak 20ppm	
SB-3 6-8'	8	4-3-4-5	19"		CL Fill?	0-19" as above, sl. moist to moist.	1440	10/6/94	2ppm	Indicators
	10	2-4-3-6	24"		ML SP	0-12": as above 12-22": Med grey clayey SILT, tr. f. sand, sl. moist. 22-24": Med grey f-c SAND, tr. f grvl and silt, sl. moist.	1450	10/6/94	10ppm, 3" spoon peak 90ppm	

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: STB Drilling
DRILLING/SAMPLING METHOD: 4 1/4" HSA / 2" Carbon Steel Split Spoons

BORING NUMBER: SB-3
DATE STARTED: 10/6/94
DATE COMPLETED: 10/6/94
GROUNDWATER DEPTH: ~15 feet
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVA HNu ppm	COMMENTS
	10									
	12	3-3-4-4	18"		ML / OL-ML	0-4": as above 4-12": Med grey clayey SILT, tr. f. sand, sl. moist. 12-18": Med. green-grey sandy CLAY, little-tr. silt and f. grvl., sl. moist	1452	10/6/94	4 ppm	
	14	6-7-8-6	24"		SM	0-11": as above 11-24": Med grey green silty f-c SAND, tr. clay and f-c grvl, sl. moist.	1454	10/6/94	30 ppm, Peak 80 ppm	
SB-3 14-16'	16	5-7-7-7	22"		GC / GP	0-8": Med grey gravely CLAY, grvl f-c, little-tr. f-c sand, moist, shale frag. 8-22": Med gray f-c GRAVEL and f-c SAND, tr. clay, shale fragments, saturated	1508	10/6/94	Peak 60 ppm	3" spoon Indicators
SB-1 18'	18	4-6-8-4	12"		GP	0-4": as above 4-12": Med brn f-c SAND and f. GRVL, little-tr. Clay, weathered shale, saturated	1511	10/6/94	NAD	Geotechnical
	20	20-17-13-25	18"		GP	0-16": Med grey f-c SAND and f. GRAVEL, tr. silt, saturated, few weathered shale fragments. 16-18": large gravel	1518	10/6/94	NAD	
SD-3 20-22	22	12-5-6-10	8"		GP	0-8": Med grey f-c SAND and f-c, GRVL, tr. clay, saturated, shale fragments	1537	10/6/94	NAD	TCL/TAL

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: STB
DRILLING/SAMPLING METHOD:

BORING NUMBER: SB-3
DATE STARTED: 10/6/94
DATE COMPLETED: 10/6/94
GROUNDWATER DEPTH: ~15 feet
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	HNu ppm	COMMENTS
	22									
	24	8-10-7-8	19"		TILL	0-16": as above, 16-19": Med grey sandy CLAY, little f. grvl and shale, saturated	1541	10/6/94	NAB	
	26	10-18-25-35	23"		TILL	0-23": Med grey f-c SAND and SHALE, tr. clay and silt.	1559	10/6/94	NAB	3" spoon
SB-3 26-28	28	11-13-14-17	16"		TILL	0-16": Med grey Sandy CLAY and SHALE, Saturated	1608	10/6/94	NAB	Indicators
		10-20-23-50/3"	14"		TILL	0-12": Med grey CLAY and SHALE, little f. sand. 12-14": grey Shale, solid	1647	10/6/94	NAB	
						29.8' - Boring terminated.				

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SJB Drilling
DRILLING/SAMPLING METHOD: 4¼" HSA / 2" Carbon Steel Split Spoon

BORING NUMBER: SB-4
DATE STARTED: 10/10/94
DATE COMPLETED: 10/10/94
GROUNDWATER DEPTH: ~16 feet.
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVA HNu ppm	COMMENTS
	0									
	.5					grvl and silt surface				
	2	21-25-20	17"		FILL	0-7": Med-lt. brn silty f-SAND, little f-m grvl, dry 7-17": Med-grey-brn silty f-m SAND, little tr. clay and f-m grvl, dense, dry	1407	10/10/94	NAB	
	4	15-14-13-12	18"		FILL	0-9": as above, blacken color 9-18": Med-lt. brn f-c SAND, tr. f-m grvl and silt, dry	1410	10/10/94	1 ppm	
	6	4-4-3-4	14"		FILL / ML	0-3": as above 3-14": Med brn clayey SILT, tr. f-m sand and f. grvl, sl. moist.	1427	10/10/94	NAB	
	8	3-3-2-2	24"		CL	0-24" Med brn silty CLAY, tr. f-m sand and f. grvl, sl. moist.	1430	10/10/94	NAB	
SB-4 8-10'	10	2-3-4-4	21"		CL-OL	@ 8-21": as above, tr. organics and shell fragment.	1442	10/10/94	1 ppm	3" Spoon indicating MS/MSD
	12	2-2-6-4	20"		OL	0-4": as above 4-20": Mod green-brn clayey SILT, little f-m sand and f-c grvl, sl. moist.	1445	10/10/94	1 ppm	
	14	3-4-7-6	16"		OL	0-16": as above, dense.	1448	10/10/94	2 ppm	peak 8 ppm

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SJB Drilling
DRILLING/SAMPLING METHOD: 4 1/4" HSA / 2" Carbon Steel Split Spoon

BORING NUMBER: SB-4
DATE STARTED: 10/10/94
DATE COMPLETED: 10/10/94
GROUNDWATER DEPTH: ~16 feet
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVA HNu ppm	COMMENTS
	14									
	16	7-7-10-7	24"		GP	0-4": as above 4-24": Med grey-green f-c SAND and f-c GRVL, little silt and clay, moist -	1504	10/10/94	3ppm, peak 16ppm	3" spoon
SB-4 16-18'	19	10-7-8-4	7"		GP.	6-7": Med grey f-c SAND and f-m GRAVEL, little tr. silt, saturated	1507	10/10/94	1 ppm	Indicators
	20	5-2-4-3	8"		ML-OL	0-7": as above 7-8": Med grey clayey SILT, little f-c sand, tr. grvl, moist	1509	10/10/94	1 ppm	
	22	8-9-15-16	22"		SM-GM	0-22": Med grey silty f-c SAND, some-little f-c GRVL, little-tr. clay, some shale, weathered	1525	10/10/94	1 ppm	3' spoon
	24	7-10-10-9	23"		SP TILL	0-9": Med grey f-c SAND, tr. silt and f-c grvl, saturated 9-23": Med grey f-c SAND and f-c GRAVEL, little clay and shale, saturated	1532	10/10/94	NMB	
	26	10-8-9-9	16"		TILL	0-16": as above	1545	10/10/94	NMB	3" spoon - large solid shale fragment in spoon shoe
SB-4 26-28'	28	12-50/5"	8"		TILL	0-7": Med grey f-m SAND and SHALE, some clay, tight. 7-8": Solid SHALE, med grey.	1553	10/10/94	NMB	- solid shale in spoon shoe Indicators

NOTES: Boring terminated at 26.9'

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SJB Drilling
DRILLING/SAMPLING METHOD: 4 1/4" HSA / 2" Carbon Steel Split Spoon

BORING NUMBER: SB-5
DATE STARTED: 9/29/94
DATE COMPLETED: 9/29/94
GROUNDWATER DEPTH: ~15'
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	HNu ppm	COMMENTS
	1.0					asphalt / gravel base				
	2.0'	6-8	4"		FILL	0-4": Med brn f-c SAND, little clay and f-c grvl, dry, glass & brick shards	1233	9/29/94	NAB	
	4	9-7-6-4	18"		FILL / SM	0-9": Med gray-blk f-m SAND and m-c GRVL, slag fragments, dry 9-14": Lt. brn f-m SAND, some large orange/red brick fragments and glass, dry 14-18" Med brn. silty f-m SAND, rootlets, sl. moist.	1237	9/29/94	3ppm	no odors
SB-5 4-6'	6	4-3-3-4	14"		SM	0-14": Med brn silty f-m SAND, tr. clay, little f-m grvl, sl. moist to dry	1245	9/29/94	NAB	Indicators
SB-5 6-8'	8	6-9-7-8	14"	1	GP	0-14" Med brn f-c SAND and f-c GRVL, little-tr. silt., a few shale fragments, dry to sl. moist	1250	9/29/94	NAB	geotechnical
SB-5 8-10'	10	8-9-15-32	18"		GP	0-18" Med brn f-c SAND & f-c GRVL, little-tr. clay, some rust-colored patches, sl. moist, dense	1305	9/29/94	3ppm	peak 8ppm
	12	49-50/4"	0"			no recovery	1312	9/29/94	-	gravel in spoon shoe

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
BORING NUMBER: SB-5
PROJECT NO:
DATE STARTED: 9/29/94
LOCATION: N. Albany, NY
DATE COMPLETED: 9/29/94.
GEOLOGIST: K. MacGregor
GROUNDWATER DEPTH: ~15'
DRILLER: SJB Services
ELEVATION:
DRILLING/SAMPLING METHOD: 4 1/4" HSA / 2" Carbon Steel Split Spoon

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	HNu ppm	COMMENTS
	12									
SB-5 12-14'	13.25	26-30-50/3"	12"		GP GP SM	0-3" Grey C. GRAVEL, fragmented, dry 3-9": Med brn f-c SAND and f-m GRVL, tr. clay, sl. moist 9-12": Med brn f-c SAND and grey shale, weathered	1407	9/29/94	2ppm	-shale in spoon shoe
	13.5' 16	35-25-32-28	14"		GP SM GP GP	0-5": Grey c. GRAVEL, dry 5-7": Med brn silty f-c SAND, little clay, Moist. 7-9": Gravel, saturated 9-14": GRAVEL, little f-m SAND, moist.	1443	9/29/94	NMB	
SB-5 16-18'	18	15-15-8-22	17"		GP SM-	0-10": Med brn f-c SAND and f-m GRAVEL, little fr. clay, saturated 10-17": Med grey SHALE fragments (weathered) and silty sand, brn MGP spots, slight odor	1452	9/29/94	NMB	
	20	25-16-22-23	10"		CP	0-10": Saturated f-c SAND and f-c GRAVEL shale fragments. (very loose), oily sheen on water	1537	9/29/94	NMB	
SB-5 20-22	22	8-7-7-10	14"		TILL	0-9": as above 9-14": Med grey f-c SAND, little f-c grvl and clay, globs of brn coal tar, saturated	1544	9/29/94	NMB	

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SJB Drilling
DRILLING/SAMPLING METHOD: 4¼" HSA / 2" Carbon Steel Split Spoon

BORING NUMBER: SB-5
DATE STARTED: 9/29/94
DATE COMPLETED: 9/29/94
GROUNDWATER DEPTH: ~15'
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	HNu ppm	COMMENTS
	22									
		10-10-10 13	16"		TILL	0-3": as above 3-16": Med rusty-brn f-m SAND and SILT, little clay, weathered shale throughout, saturated, slight sheen	1552	9/29/94	NMS	
	24									
		9-13-30-44	24"		TILL	0-7": as above 7-24": Gray SHALE, fr. clay.	1643	9/29/94	NMS	
	26									
		50/4"	24"			run in from above - solid shale in shoe	1651	9/29/94	NMS	
						Boring terminated at 26.3'				

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: L. MacGregor
DRILLER: STS Drilling
DRILLING/SAMPLING METHOD: 4 1/4" HSA / 2" Carbon Steel Split Spoon

BORING NUMBER: SB-6
DATE STARTED: 10/6/94
DATE COMPLETED: 10/6/94
GROUNDWATER DEPTH:
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVA HNU ppm	COMMENTS
	0					grvl surface				
	.5									
		4-4-5	10"		FILL	0-10": Red/brn/brn SILTY f-c SAND, little f-m grvl & tr. clay, few metallic chunks	1003	10/6/94	NAD	
	2									
		9-25-18-6	16"		FILL	0-6": whitish-tan C. GRVL, little f-c sand, dry 6-16": Orangy-brn to black silty f-m SAND, little f-m grvl, black slag/metallic fragments dry to sl. moist.	1006	10/6/94	2ppm, peak 12 ppm	
	4									
		5-8-3-4	20"		FILL	0-5": as above 5-11": as above w/ large red brick chunks 11-20": cream to brn clayey f-c SAND, little ash chunks	1015	10/6/94	3ppm	3" spoon
	6									
SB-6 6-8'		1-3-2-6	21"		FILL	0-21": Med brn-silty f-m SAND, tr. clay, moist.	1021	10/6/94	NAD	Indications
	8									
		4-9-16-13	22"		SC	0-22": Med. brn clayey f-c SAND, little f-c grvl, sl. moist	1025	10/6/94	NAD	
	10									
		4-6-10-11	18"		SC GC	0-18": Med. brn clayey f-c SAND, little-some f-c GRVL, sl. moist; some weathered shale.	1039	10/6/94	2ppm, Peak	
	12									

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
BORING NUMBER: SB-6
PROJECT NO:
DATE STARTED: 10/6/94
LOCATION: N. Albany, NY
DATE COMPLETED: 10/6/94
GEOLOGIST: K. MacGregor
GROUNDWATER DEPTH:
DRILLER: STB Drilling
ELEVATION:
DRILLING/SAMPLING METHOD: 4 1/4" HSA / 2" Carbon Steel Split Spoon

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVA HNu ppm	COMMENTS
SB-6 12-14'	12	17-22-11-6	11"		SP	0-11": Med. grey-brn f-c SAND, little f-m gvl, tr. clay, saturated	1045	10/6/94	NAB	Indicator
	14	4-16-12-13	21"		GP	0-3" as above 3-21": Med grey and green f-m SAND and f-CGRVL, little-tr. clay, some sections of grey shale, saturated-to sl. moist.	1102	10/6/94	2ppm	3" spoon
	16	2-6-7-6	12"		GP	0-12": Med gray-green f-c SAND and f-m GRVL, tr. clay, few shale fragments, saturated.	1105	10/6/94	NAB	
SB-6 18-20' and SB-36 (DUP)	18	10-9-50/5	21"		TILL	0-4": Med grey f-c SAND 4-18": Med grey f-c SAND and silty CLAY, some shale fragments 18-21": solid grey shale	1111	10/6/94	NAB	Indicator and DUP. (SB-36)
						Boring terminated at 19.4'				

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
BORING NUMBER: SB-7
PROJECT NO:
DATE STARTED: 10/4/94
LOCATION: N Albany, NY
DATE COMPLETED: 10/4/94
GEOLOGIST: K. MacGregor
GROUNDWATER DEPTH:
DRILLER: SJB Drilling
ELEVATION:
DRILLING/SAMPLING METHOD: 4¼" HSA / 2" Carbon Steel Split Spoon

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVA ~~HNu~~ ppm	COMMENTS
	0									
	.5					asphalt				
		5-4-6	17"		FILL	0-6": Black f-c SAND, little clay and f. grvl a few black glassy fragments dry 6-17": Med brn. f-m SAND, some-little silt, little-tr. clay and f. grvl, sl. moist	0858	10/4/94	NMB	
	2									
SB-7 2-4'		6-5-7-5	20"		FILL	0-2": as above 2-4": red brick, solid 4-16": Lt grey f-c SAND, little silty clay & f. grvl, moist, ceramic tile chunk (old) 16-20": Med-dk. brn f-m SAND and f. GRVL, sl. moist-wet.	0907	10/4/94	NMB	geotechnical
	4									
SB-7 4-8'		1-1-1-1	14"		FILL	0-11": Med grey-brn clayey f. SAND, little-tr. silt, wood fragments, very moist. 11-14": Med grey-brn f-c SAND, little silt & clay, wood chunks, moist-sat.	0925	10/4/94	2ppm, peak 8ppm	-TCL/TAL, MS/MSD
	6									
		1-1-2-3	17"		FILL	0-8": as above-saturated 8-17": Med grey-brn silty clay, little-tr. f sand, moist, green flecks, little wood/organics	0931	10/4/94	4ppm, peak 12ppm	
	8									
		0-0-3-6	18"		FILL	0-18": as above	0954	10/4/94	1ppm	(0 = wt. of hammer)
	10									

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: L. MacGregor
DRILLER: SJB Services
DRILLING/SAMPLING METHOD: 4¼" HSA | 2" Carbon Steel Split Spoon

BORING NUMBER: SB-7
DATE STARTED: 10/4/94
DATE COMPLETED: 10/4/94
GROUNDWATER DEPTH:
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVA HNu ppm	COMMENTS
	10									
	12	9-9-7-6	0"			no recovery	~~0957~~ 1050	10/4/94	—	
	14	0-0-1-2	5"		SP	0-5": Med brn f-c SAND, tr. f-m grvl and si H, saturated	1105	10/4/94	NAB	(0 = wt. of hammer)
SB-7 14-16'	16	2-2-3-5	18"		SP	0-18" As above.	1110	10/4/94	NAB	
	18	4-6-10-11	11"		SP GP	0-5": as above 5-11": Med brn f-c SAND and f-m GRAVEL, tr. silt, saturated.	1135	10/4/94	NAB	
	20	30-20-24-25	24"		SP GP TILL	0-7": Med brn f-c SAND 7-20": Med brn f-c SAND and f-c GRAVEL, tr. silt, saturated 20-24: Weathered grey SHALE and med brn. clayey sand (f-c), tr. grvl.	1140	10/4/94	NAB,	peak 4 ppm
	22	9-11-10-11	17"		TILL	0-19": Med brn f-c SAND, little clay and SHALE, tr. f-m grvl, dense material	1159	10/4/94	NAB	
SB-7 22-24'	24	N-26-21-35	18"		TILL	0-18": Med brn f-c SAND, some little clay, little tr. f-m grvl, pieces of shale, dense	1206	10/4/94	NAB	

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SJB Drilling
DRILLING/SAMPLING METHOD: 4¼" HSA / 2" Carbon Steel Split Spoon

BORING NUMBER: SB-7
DATE STARTED: 10/4/94
DATE COMPLETED: 10/4/94
GROUNDWATER DEPTH:
ELEVATION:

SAMPLE ID	DEPTH (feet) 24	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVA FIND ppm	COMMENTS
		50/3"	0"		BK	No recovery - solid grey shale in spoon	1342	10/4/94	—	
						Boring terminated at 24.3'				

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K MacGregor
DRILLER: SJB Services
DRILLING/SAMPLING METHOD: 4 1/4" HSA / 2" Carbon Steel split spoon

BORING NUMBER: SB-8
DATE STARTED: 10/5/94
DATE COMPLETED: 10/5/94
GROUNDWATER DEPTH:
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	HNu ppm	COMMENTS
	0									
	.5					asphalt				
	2	8-8-7	12"		FILL	0-2": Black f-c SAND, f. grvl, dry 2-4": Red crushed brick & f-m black sand 4-12": Black f sand and ash & black charred wood, dry	1641	10/5/94	NAB	
	4	7-9-13-21	24"		FILL	0-14": Lt. orange-brn f-m SAND and SILT, tr. f. grvl, sl. moist. 14-24": Brn-blk f-m SAND and SILT, some ashes and brick fragments, sl. moist	1647	10/5/94	NAB	
	6	2-2-3-2	24"		FILL FILL SM	0-8": Pk brn silty f SAND, little m sand and f. grvl, sl. moist. 8-18": Lt brn sandy CLAY, few metallic flakes. 18-24": Med-dk grey sandy SILT, sand f., little-tr. clay, sl. moist - moist.	1658	10/5/94		
SB-8 6-8'	8	2-3-3-2	21"		SP CL SP	0-15": Med-dk. green-grey f-c SAND, little f. grvl, tr. silt, saturated 15-18": Med.-dk green grey silty clay, layering visible 18-21": Med-dk. green-grey f. SAND, little silt and clay, saturated	1701	10/5/94	NAB	Indicators
	10	0-2-2-3	18"		CL OL	0-14": Pk brn clayey SILT 14-18": Lt. green silty CLAY, little f. grvl and sand, organics	1709	10/5/94	NAB	

NOTES: 0 = wt. of hammer

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SJB Drilling
DRILLING/SAMPLING METHOD: 4¼" HSA / 2" Carbon Steel Split Spoon

BORING NUMBER: SB-8
DATE STARTED: 10/5/94
DATE COMPLETED: 10/5/94
GROUNDWATER DEPTH:
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	HNu ppm	COMMENTS
	10									
		3-5-4-9	24"		CL OL	0-9": Med brn-Dk brn clayey SILT. 9-24": Lt. green and orange silty CLAY, little f-m gravel and f. sand, moist.	1714	10/5/94	NAD	
	12									
		8-6-6-20	14"		GP	0-14": Med brn. gravely f SAND, grvl f-C, little-tr. Silt and clay, saturated	1724	10/5/94	NAD	3" spoon
	14									
		42-50/3"	0			No recovery - rock in spoon	1728	10/5/94	—	
	16									
SB-8 16-18		11-12-10-7	17"		GP	0-17": Med. grey f-C sand and f-C GRAVEL, little silt, tr. clay, saturated.	1757	10/5/94	NAD	3" spoon TCL/TAL
	18									
		2-3-6-11	8"		GP	0-8": Med grey gravely f-C SAND, grvl f-m, tr. silt, saturated	1804	10/5/94	NAD	
	20									
SB-8 20-22		8-50/5"	8"		TILL	0-7" as above, Mshale frag 7-8": solid shale	1822	10/5/94	NAD	3" spoon Indicators
						Boring terminated at 20.9'				

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N Albany, NY
GEOLOGIST: K MacGregor
DRILLER: STB Drilling
DRILLING/SAMPLING METHOD: 4¼" HSA / 2" Carbon Steel Split spoon

BORING NUMBER: SB-9
DATE STARTED: 10/5/94
DATE COMPLETED: 10/5/94
GROUNDWATER DEPTH:
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	HNu ppm	COMMENTS
	0									
	.5							10/5/94		
	2	2-3-3	15"		FILL	0-13": Med brn silty f-m SAND, tr f-grvl, few black ashy fragments, sl. moist.	0833	10/5/94	NMS	
	4	4-3-4-5	7"		FILL	0-3": as above. 3-7": Med brn f-m SAND, little-tr. silt, moist.	0836	10/5/94	NMS	
	6	1-1-1-1	0"		FILL	no recovery - as above in spoon shoe	0840	10/5/94	–	
SB-9 6-8'	8	1-2-1-1	17"		FILL / PT	0-3": as above 3-12": Lt. grey brn f-c SAND and SILT, tr. clay & f-grvl brick chunks at base, saturated. 12-17": Black and brn organic fragments, moist to saturated	0843	10/5/94	10 ppm, peak > 100 ppm	
	10	2-2-4-4	18"		OL	0-18": Dk brn clayey SILT and wood fragments, moist.	0854	10/5/94	>100	3" spoon - no odors
	12	1-1-3-5	14"		SC	0-2": as above 2-14": Med grey-green clayey f-c SAND, little-tr. f-m grvl, moist to saturated.	0857	10/5/94	20 ppm, peak >100	

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SSB Drilling
DRILLING/SAMPLING METHOD: 4 1/4" HSA / 2" Carbon Steel Split Spoon

BORING NUMBER: SB-9
DATE STARTED: 10/5/94
DATE COMPLETED: 10/5/94
GROUNDWATER DEPTH:
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVA HNu ppm	COMMENTS
	12									
SB-9 12-14	14	4-3-4-5	15"		CL SP	0-3": as above 3-15": Med grey-green f-m SAND, tr. f-m grvl, saturated	0902	10/5/94	Sppm	- Indicator
	16	4-8-9-13	22"		SP	0-22": Med grey f-c SAND and f-c GRVL, some-little clay, few shale fragments.	0912	10/5/94	NNB	3" spoon
	18	3-5-7-11	18"		SP GP	0-10": Med grey f-c SAND, saturated: 10-18": Med grey f-c SAND and f-m GRVL, little clay, saturated	0918	10/5/94	Sppm	peak 10ppm
	20	10-11-14-11	24"		SP TILL	0-10": Med grey f-c SAND 10-24": Med grey m-c SAND and f-c GRVL, little-tr. clay, some shale (weathered) dense	0922	10/5/94	4ppm	peak 20ppm
SB-9 20-22		10-50/2.5"	7"		TILL	0-6": as above, more shale 6-7": solid shale, not weathered, saturated	0939	10/5/94		3" spoon - solid shale in spoon sho
						Boring terminated at 20.6'.				

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SSB
DRILLING/SAMPLING METHOD: 4¼" HSA / 2" Carbon Steel Split Spoon

BORING NUMBER: SB-10
DATE STARTED: 10/11/94
DATE COMPLETED: 10/11/94
GROUNDWATER DEPTH: ~6 feet
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVA ppm	COMMENTS
	0 .5					asphalt				
	2	8-8-8	14"		FILL	0-14": Black f-m GRVL and SILT, some ash fragments, little f-m sand, dry	0907	10/11/94	NRB	
	4	8-15-14-12	18"		FILL FILL SM	0-9": Med brn f-c SAND, some little silt, little f gvl, slag chunks, sl. moist. 9-15": Black f-m sand and slag (metallic chunks), sl. moist 15-18": Black SILT, little clay and f-sand, some tar-like material, odors, moist. (residue)	0910	10/11/94	2ppm	-odors off bottom of spoon
SB-10 4-6'	6	2-2-2-1	16"		SM CL FILL	0-3": as above 3-16": Med brn clayey SILT, little f-m sand, moist to v. moist.	0926	10/11/94	2ppm	geotechnical
	8	2-2-1-1	12"		CL OL FILL	0-12": as above, moist to saturated. Tar and wood in base of spoon.	0931	10/11/94	1ppm	
SB-10 8-10' -40 10-12'	10	2-3-3-3	24"		CL OL PT OL	0-2": as above 2-7": Black-brn clayey SILT w/ organics, black tar 7-24": Black Clayey SILT, little f-m sand, tr. tars	0942	10/11/94	>10ppm, 4ppm in bz above spoon	3" spoon - oil coat - strong odors (DUPLICATE)
	12	0-3-4-5	24"		CL	0-24": Med-brn to green-brn silty CLAY, little-tr. f-sand, dense, moist.	0946	10/11/94	4ppm	Indicators

NOTES: 0 = wt. of hammer

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SJB
DRILLING/SAMPLING METHOD: 4 1/4" HSA / 2" Carbon Steel Split Spoons

BORING NUMBER: SB-10
DATE STARTED: 10/11/94
DATE COMPLETED: 10/11/94
GROUNDWATER DEPTH: ~6'
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVA ppm	COMMENTS
	12									
	14	5-6-4-10	7"		CL OL	0-7": as above, tr. grvl. and organics	0850	10/11/94	2ppm	
	16	2-5-4-7	6"		GP.	0-6" Med brn f-c GRVL and f-c SAND, tr. silt, saturated	0900	10/11/94	2ppm	Indicators
SB-10 16-18'	18	2-2-1-7	17"		SP	0-17": Med brn-grey f-c SAND, little f-c grvl, tr. silt, saturated.	0904	10/11/94	1ppm, peak 3ppm	
	20	6-5-7-10	23"		SP	0-23": Med grey f-c SAND, little f-c grvl, little tr. silt, saturated, tr. shale	0922	10/11/94	2ppm	3" spoon
	22	3-4-5-4	16"		TILL	0-16": Med grey f-c SAND, little f-c grvl and clay, some shale fragments, saturated	0926	10/11/94	1ppm	
SB-10 22-24		7-10-20-50/2"	17'		TILL	0-8": as above 8-16": Med grey shale, tr. clay and f. sand, very dense 16-17": solid grey SHALE.	0934	10/11/94	2ppm	Indicators - solid shale in spoon shoe
						Boring terminated at 23.7 feet.				

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
BORING NUMBER: SB-11
PROJECT NO:
DATE STARTED: 10/11/94
LOCATION: N. Albany, NY
DATE COMPLETED: ~3'
GEOLOGIST: K. MacGregor
GROUNDWATER DEPTH:
DRILLER: SJB
ELEVATION:
DRILLING/SAMPLING METHOD: 4¼" HSA / 2" Carbon Steel Split spoon

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVM HNu ppm	COMMENTS
	0									
	.5					asphalt				
	2	4-4-5	7"		FILL	0-7": Dk-brn-black f-c SAND, little f-m grvl and silt, slag chunks dry to sl. moist	1357	10/11/94	NAB	
SB-11 2-4'	4	4-4-3-2	14"		FILL	0-8": as above 8-14": as above, saturated w/ fuel oil type material, strong odor	1400	10/11/94	20ppm, peak 80 ppm	-strong odor indicators
	6	2-6-3-2	9"		FILL	0-3": as above 3-7": Med brn clayey SILT, little f-c sand saturated w/ black fuel-like material 7-9": Black f-c SAND and SILT, saturated w/ black material	1407	10/11/94	10ppm, peak 26 ppm	-strong odor -0.5-1.0 ppm in bz over spoon
SB-11 6-8'	8	3-3-2-2	14"		FILL SM	0-6": Black f-c SAND and f-m GRVL, little silt, wood chunks, saturated in black material 6-14": Lt green f-c SAND, some-little silt, very moist	1409	10/11/94	10ppm, peak 50 ppm	geotechnical
SB-11 8-10'	10	0-2-4-3	21"		CL ML-CL	0-17": Med-brn black f-m sandy CLAY, little silt organics, black oily material, tar-like, saturated. 17-21": red brn ~~silty CLAY~~ f-m clayey SILT, tr. f-m sand, brn coal tar spots.	1424	10/11/94	>100ppm	3" spoon -strong odors, 1 ppm in bz over spoon TCL/TAL
	12	1-3-5-7	6"		CL-OL	0-6": Med green-brn clayey SILT, little f-c Sand, little organics, Oily sheen.	1432	10/11/94	26ppm, peak 40	

NOTES: 0 = wt of hammer

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SJB
DRILLING/SAMPLING METHOD: 4 1/4" HSA | 2" Carbon Steel Split spoon

BORING NUMBER: SB-11
DATE STARTED: 10/11/94
DATE COMPLETED: 10/11/94
GROUNDWATER DEPTH: ~3'
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	HNu ppm	COMMENTS
	12									
	14	15-16-14-15	32"		GP	0-3": Med brn-blk f-c SAND and f GRVL, little-tr. silt, saturated, coal tar splotches, oily sheen	1430	10/11/94	8ppm	peak 16ppm - odors
SB-11 14-16'	16	3-5-6-7	22"		GP	0-22": Med brn f-c SAND and f. GRVL, little-tr silt, brown coal tar abundant	1453	10/11/94	7ppm	3" spoon - odors Indicators
	18	6-12-13-14	18"		TILL	0-9"±: as above 9-18": Med grey f-c SAND and SILT, shale fragments, little f-m grvl	1459	10/11/94	4ppm	peak 8ppm
	20	12-15-16-15	20"		TILL	0-20": Med grey f-c SAND and f-c GRVL, shale fragments (weathered), little silt-tr. clay, few coal tar splotches	1503	10/11/94	7.0,	peak 2.4ppm - shale in spoon shoe
SB-11 20-22		13-50/5"	8"		TILL	0-4": as above 4-7": Grey SHALE, little clay 7-8": SOLID SHALE	1527	10/11/94	0.2ppm,	peak 0.6ppm Indicators
						Boring terminated at 20.75'				

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
BORING NUMBER: SB-12
PROJECT NO:
DATE STARTED: 10/12/94
LOCATION: N. Albany, NY
DATE COMPLETED: 10/12/94
GEOLOGIST: K. MacGregor
GROUNDWATER DEPTH: ~2 feet
DRILLER: SJB
ELEVATION:
DRILLING/SAMPLING METHOD: 4¼" HSA | 2" Carbon Steel Split Spoon

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	HNu ppm	COMMENTS
	0									
	0.5					asphalt and gravel base				
		15-15-13	16"		FILL	0-5": Med brn silty f-c SAND, little f. grvl 5-16": Black f-c SAND, little clay and f. grvl, ashes, sl. moist.	0756	10/12/94	NAB	3" spoon - hydrocarbon odor
	2									
SB-12 2-4'		5-4-5-3	11"		FILL	0-11": as above, saturated, w/ black fuel oil type material	0802	10/12/94	4.1 ppm	- strong odors
	4									
		3-3-22	17"		FILL	0-6": as above 6-17": Black f-m SAND, organics, little-tr. silt, glass strands, tar-like black material, saturated	0812	10/12/94	7.1 ppm	- strong odors
	6									
SB-12 6-8'		1-2-2-3	14"		FILL	0-14": Thick black tar, organics, little silt.	0815	10/12/94	141 ppm	- very strong odors, Indicators
	8									
		5-8-8-10	22"		FILL CL-OL	0-3": as above 3-22": Wet green-brn clayey SILT, little f-m sand, black coal tar blobs in material	0835	10/12/94	40 ppm, 3" spoon Peak 151 ppm	- strong odors
	10									
		6-10-10-12	18"		GP	0-18": Med brn f-c SAND and f-c GRVL, black sticky coal tar and diesel odors and product.	0837	10/12/94	15 ppm, peaks 96 ppm	
	12									
SB-12 12-14'		7-7-8-9	8"		SM	0-8". Med brn-grey silty f-m SAND, little-Tr. clay, f-m grvl, black coal tar sheen	0842	10/12/94	51 ppm	Indicators
	14									

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K MacGregor
DRILLER: SJB
DRILLING/SAMPLING METHOD: 4 1/4" HSA / 2" Carbon Steel split Spoon

BORING NUMBER: SB-12
DATE STARTED: 10/12/94
DATE COMPLETED: 10/12/94
GROUNDWATER DEPTH: ~2 feet
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	HNu ppm	COMMENTS
	14									
	16	5-5-10 11	24"		SP	0-24": Med. brn-grey f-m SAND, little silt and f gravel, tr. clay, brn. coal tar splotches, odors	0905	10/12/94	4ppm	3" spoon
	18	5-5-6 7	18"		SP	0-18": Med brn-grey f-m SAND and f-m GRVL, little silt, brn coal tar and oily sheen, coal tar odors.	0908	10/12/94	25ppm	
SB-12 18-20	20	7-8-10 10	14"		SP	0-14": Med brn grey f-m GRVL, some f-Sand, little clay, brn coal tar blobs	0914	10/12/94	10ppm	- odors geotechnical CA Indicators
SB-12 20-22'	22	8-8-10 22	22"		TILL	0-16": Med grey f-c SAND and f-m GRVL, little silt and clay, coal tar, shale fragments 16-22": Med grey SHALE and silty clay, little gravel, coal tar	0943	10/12/94	10.0	3" spoon TCL/TAL
		47-50/1"	6"		TILL	0-4": SHALE, tr. clay, saturated brn coal tar 4-6": Solid Shale, coal tar	0948	10/12/94	9.9ppm	- odors
						Boring terminated at 22.6'				

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SJB
DRILLING/SAMPLING METHOD: 4¼" HSA/2" Carbon Steel Split Spoon

BORING NUMBER: SB-13
DATE STARTED: 10/18/94
DATE COMPLETED: 10/18/94
GROUNDWATER DEPTH:
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	HNu ppm	COMMENTS
	0									
	.5					asphalt				
		3-4-4	16"		FILL	0-13": Med-dk brn f-c SAND, little silt and f-gravel, moist	0942	10/18/94	NAB	
	2					13-16": Med brn-blk f SAND and SILT, very moist				
SB-13 2-4'		4-4-5-50/3"	18"		FILL	0-18": Med brn-blk f. SAND and SILT, very moist to saturated.	0745	10/18/94	3.4 ppm	Indicators
						Boring terminated at 3.75'				

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: STB
DRILLING/SAMPLING METHOD: 4¼" HSA / 2" Carbon Steel Split Spoon

BORING NUMBER: SB-14
DATE STARTED: 10/5/94
DATE COMPLETED: 10/18/94
GROUNDWATER DEPTH: ~8 feet
ELEVATION:
OVA

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	HNU ppm	COMMENTS
	0 .5									
	2	7-6-5	6"		FILL	0-6": Med brn SILTy f SAND, grvl base of asphalt	0816	10/18/94	NAD	
	4	6-5-2-4	12"		FILL	0-12": Med brn f-m SAND, some silt, tr. clay, moist, few brick chunks	0821	10/18/94	NAD	
SB14 4-6'	6	3-3-3-4	7"		FILL	0-7": Med brn f-c SAND, little silt and clay, moist	0830	10/18/94	NAD	Indicators
	8	6-4-4-9	0"			no recovery	0833	10/18/94	—	
SB-14 8-10	10	3-4-4-5	22"		SP	0-9": Red brn f-SAND, little silt and clay, saturated. 9-22": Green-brn f-c SAND tr. grvl and silt saturated (fuel-like odors)	0844	10/18/94	NAD	3" spoon - slight fuel oil odors between 9-22"
SB-14 10-12'	12	1-2-5-11	19"		SP	0-19": Black m-c SAND, tr. f-c grvl and f. sand, saturated, slight fuel oil odor.	0846	10/18/94	0.1	MS/MSD Indicators.
	14	4-4-8-12	16"		ML CL	0-2": as above 2-16": Med grey clayey SILT, little f-c grvl, tr. f-c sand, few shale fragments, saturated	0851	10/18/94	NAD	

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SDB
DRILLING/SAMPLING METHOD: 4 1/4" HSA/2" Carbon Steel Split Spoon

BORING NUMBER: SB-14
DATE STARTED: 10/18/94
DATE COMPLETED: 10/18/94
GROUNDWATER DEPTH: ~8 feet
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	HNu ppm	COMMENTS
	14	9-16-19-19	19"		CL	0-18": Med grey f-c SAND and CLAY, little f-gravel and shale!, saturated	0903	10/18/94	NAD	3" spoon
	16	8-16-23-33	14"		TILL	0-5": as above 5-14": Med grey silty CLAY and SHALE, little tr. f-m sand, moist.	0907	10/18/94	NAD	
SB-14 18-20	18	26-21-18-14	16"		TILL	0-8": as above 8-16": Med grey SHALE, little f-c sand and clay, brn coal tar impregnation	0912	10/18/94	60ppm	Indicators
SB-14 20-22'	20	11-14-20-50/4"	17"		TILL	0-7": As above 7-17": Med grey SHALE, tr. silt, saturated w/brn coal tar, very strong odors	1932	10/18/94	1ppm 60ppm	In 3" spoon 6oz jar composite. TCLP metals
						Boring terminated at 21.8'				

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SJB
DRILLING/SAMPLING METHOD: 4¼" HSA / 2" Carbon Steel Split Spoon

BORING NUMBER: SB-15
DATE STARTED: 10/13/94
DATE COMPLETED: 10/13/94
GROUNDWATER DEPTH:
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVA "FINU" ppm	COMMENTS
	0.5 asphalt									
	2	5-33	14"		FILL	0-4": Med brn-blk f-c SAND, little f. grvl, ashes, dry, slags brick chunks	1602	10/13/94	5ppm	peak 18
	4	2-2-3-3	16"		FILL	0-3": as above 3-16": Med brn-gray SILT, little clay & f-m Sand, tr. organics, moist, fuel oil odor	1605	10/13/94	10 ppm	- strong fuel oil odor
	6	2-2-2-2	16"		FILL	0-4": as above 4-16": Black f-c SAND, little silt and f. grvl, saturated w/ black fuel oil-like material	1613	10/13/94	40ppm, peak 70	- strong odor
SB-15 6-8'	8	3-2-2-2	17"		FILL	0-17": as above, w/ green tint to fuel-like material	1616	10/13/94	60ppm	- strong odor Indicators
	10	12-7-8-9	8"		GM	0-8": Med-dk green-brn f-c GRVL and SILT, organics, brn MGP blobs on surface, rainbow sheen, possible MGP & fuel oil materials.	1629	10/13/94	25ppm	3½" spoon - strong hydrocarbon odors
	12	6-5-5-6	18"		GM OL	0-8": as above 8-18": Med green-brn clayey SILT, little f-c Sand, tr. f-m grvl, organics	1633	10/13/94	20ppm	
SB-15 12-14	14	18-19-25-30	15"		OL OL-TILL	0-9": as above, trace brn MGP impregnations 9-15": Med brn-green weathered shale, little f. clay	1637	10/13/94	10ppm	TCL/TAL

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K MacGregor
DRILLER: SJB
DRILLING/SAMPLING METHOD: 4 1/4" HSA / 2" Carbon Steel Split Spoon

BORING NUMBER: SB-15
DATE STARTED: 10/13/94
DATE COMPLETED: 10/13/94
GROUNDWATER DEPTH:
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVA HNu ppm	COMMENTS
	14									
		13-12-19-15	18"		TILL	0-18": Grey SHALE, little silty Clay, saturated	1652	10/13/94	2 ppm	3" spoon
	16									
		10-11-11-8	6"		TILL	0-6": Weathered SHALE, dry, tr. clay.	1655	10/13/94	NAB.	
	18									
SB-15 18-20'		10-12-30 50/4"	16"		TILL	0-12": CLAY and SHALE, brown MOP impregnation in shale	1701	10/13/94	5 ppm	Peak 12 ppm - strong odors Indicators
					BR	12-16": Dry grey SHALE, solid				
						Boring terminated at 19.8'				

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SSB
DRILLING/SAMPLING METHOD: 4¼" HSA / 2" Carbon Steel Split Spoon

BORING NUMBER: SB-16
DATE STARTED: 10/13/94
DATE COMPLETED:
GROUNDWATER DEPTH:
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVA HNU ppm	COMMENTS
	0 .5					asphalt				
	2	6-5-3	16"		FILL	0-16": Med brn-black f-c SAND, little silt & f gravel, brick fragments, few slag and ash fragments; dry	1032	10/13/94	0.5,	peak 3 ppm
	4	2-3-3-2	14"		FILL	0-14": Dk brn-blk silty f-c SAND, tr. f. grvl and clay, sl. moist to moist.	1035	10/13/94	1 ppm	- slight fuel oil odor
SB-16 4-6'	6	1-2-2-1	9"		FILL	0-9": Black f-c SAND, little f-m gravel and silt, saturated w/ oily/hydrocarbon material	1044	10/13/94	10 ppm	- strong odors Indicators
SB-16 6-8'	8	2-33-4	12"		fill	0-12": Black f-c SAND and f-m GRVL, little organics, tr. silt, saturated w/ fuel oil type material	1047	10/13/94	7 100 ppm	- strong odors Geotechnical
	10	4-3-13	14"		SM	0-8": as above 8-14": Med brn f SAND and SILT, little clay and organics, tr. f. grvl, some black oily material.	1100	10/13/94	50 ppm, peak > 100 ppm	3" spoon - strong odors
	12	2-3-2-3	8"		SM	0-8": Med brn ~~f c sand~~ silty f-m GRVL, little f-m SAND, organics, black oily material abundant,	1103	10/13/94	8 ppm	peak > 100 ppm strong odors
SB-16 12-14'	14	7-8-99	16"		SM	0-7": as above, some organics 7-16": Med orange-green SILT, little f-m sand, tr. clay and f-m grvl, tr. black oily material, few shale fragments	1107	10/13/94	40 ppm, peak > 100 ppm	Indicators

NOTES:

LOG OF BORING

PROJECT: Niagara Monenuk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. Muenbyer
DRILLER: SCB
DRILLING/SAMPLING METHOD: 4¼" HSA / 2" Carbon Steel Split spoon

BORING NUMBER: SB-16
DATE STARTED: 10/13/94
DATE COMPLETED:
GROUNDWATER DEPTH:
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVA HNU ppm	COMMENTS
	14									
	16	6-7-9-9	19"		GM	0-19": Med brn f-c GRAVEL and SILT, little f-c sand, tr. clay, oil/coal tar blebs.	1121	10/13/94	20 ppm, 3" spoon peak 80 ppm	
	18	6-7-9-10	14"		TILL	0-4": as above 4-14": Med brn sandy SILT, little clay and shale fragments, tr. f-gravel, coal tar sheen and coal tar in formation	1124	10/13/94	20 ppm	
SB-16 18-20'	20	11-7-8-10	12"		TILL	0-12": Med brn clayey SILT and weathered SHALE, little f-c sand, tr. f-gravel, coal tar in material (brn impregnations) and a surface sheen	1129	10/13/94	20 ppm, peak 40 ppm - shale, little clay in spoon shoe TILL/TILL	
SB-16 20-21'		48-50/1"	6"		TILL	0-6": Med grey weathered SHALE, saturated w/ brn coal tar.	1130	10/13/94	40 ppm peak >100 ppm	3" spoon indications
						Boring terminated at 20.6' - solid shale in spoon shoe.				

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SCB
DRILLING/SAMPLING METHOD: 4 1/4" HSA/2" Carbon steel split spoon

BORING NUMBER: SB-17
DATE STARTED: 10/17/94
DATE COMPLETED: 10/17/94
GROUNDWATER DEPTH:
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	HNu ppm	COMMENTS
	0.5					gravel base				
	2	2-3-4	7"		FILL	0-7": Med brn f-c SAND, little f-c grvl, dry fsd, moist	1558	10/17/94	NAB	
SB-17 2-4'	4	5-7-2-5	22"		FILL	0-6": as above 6-18": Med brn-blk f-c SAND, tr. silt, little f-c grvl, strong fuel oil odor, moist. 18-22": Med brn silty f-m SAND, little f-c grvl, tr. fuel oil material	1601	10/17/94	NAB	TCL/TAL
SB-17 4-6	6	3-2-1-2	24"		FILL	0-7": as above 7-21": Black f-m SAND, little silt and f-c grvl, soft, saturated w/ black fuel oil-like material - only slight odor	1607	10/17/94	NAB	geotech
	8	1-2-3-2	24"		FILL OL	0-8": Black f-c GRVL, little f-c sand, saturated, fuel oil-like odor. 8-14": Dk. brn SILT, organics, little f-m sand and clay, trace black fuel-like material	1610	10/17/94	0.1	
	10	2-1-1-2	24"		SM PT	0-12": Med grey SILT and f-m SAND, organics, tr. black fuel-like material in 2" section of c sand. 12-24": Brown organics (peat) tr. silt and clay, moist.	1622	10/17/94	NAB	3" spoon
SB-17 10-12'	12	0-0-1-2	18"		OL	0-18": Med brn SILT, organics, little f-c sand w/ black fuel-like material (saturated), few wood chunks.	1624	10/17/94	NAB	Indicators

NOTES: 0 = wt. of hammer

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SJB
DRILLING/SAMPLING METHOD: 4¼" HSA / 2" Carbon Steel Split Spoon

BORING NUMBER: SB-17
DATE STARTED: 10/17/94
DATE COMPLETED: 10/17/94
GROUNDWATER DEPTH:
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	HNu ppm	COMMENTS
	12	4-5-5-5	16"		OL	0-8": as above 8-16": Med grey-green clayey SILT, little-some f-c SAND, little f-c gravel, moist-to saturated.	1626	10/17/94	NAB	
SB-17 14-16 and SB-37 14-16'	16	3-5-6-4	20"		SM SP	0-12": Med grey SILT and f-c SAND, little f-c gravel, saturated. 12-20": Med brn f-c SAND little f-c gravel, tr. silt, saturated	1642	10/17/94	NAB	3" spoon Indicator and duplicate SB-37
	18	3-3-3-3	19"		SP	0-8": as above 8-19": Med brn f-c SAND, little f-c gravel and clay, few shale fragments, saturated	1644	10/17/94	NAB	
	20	5-20-50/5"	14"		SP TILL	0-4": as above 4-14" Med brn f-c SAND and CLAY, some weathered shale, tr. f-c gravel, saturated	1654	10/17/94	NAB	Weathered shale in spoon shoe, solid
	22	10-11-11-15	23"		TILL	0-12": as above 12-23": Med grey SHALE, little clay and f-m sand, saturated	1707	10/17/94	NAB	3" spoon - solid grey shale in shoe
SB-17 22-24'		29-50/1"	6"		TILL	0-4": as above 4-6": Med grey SHALE, 4-5" has trace clay. Boring terminated at 22.6'	1714	10/17/94	NAB	Solid shale in spoon Indicators

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SJB
DRILLING/SAMPLING METHOD: 4 1/4" HSA/2" Carbon Steel Split Spoon

BORING NUMBER: SB-18
DATE STARTED: 10/18/94
DATE COMPLETED: 10/18/94
GROUNDWATER DEPTH:
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	HNu OVA ppm	COMMENTS
	0									
	1.5					asphalt & grvl base.				
	2	3-5	9"		FILL	0-8": Med brn-blk f-c SAND, little silt, tr. f-c grvl, dry to s. moist. 8-9": Red brick fragments	1540	10/18/94	5.4 ppm	
	4	3-4-4-4	4"		FILL	0-1": brick chunks 1-4": Lt. yellow f-c SAND, little f-c grvl, dry.	1543	10/18/94	0.1	
SB-18 4-5'	6	3-2-1-1	4"		FILL	0-4": Black f-c SAND, little f-c grvl and brick fragments green, brn coal tar saturated, brn green	1549	10/18/94	5A	strong coal tar odors
	8	3-2-3-2	7"		FILL	0-7": as above	1552	10/18/94	10ppm = strong odor	
	10	5-6-7-7	16"		FILL	0-16": as above, saturated in black coal tar, very strong odors.	1602	10/18/94	456 ppm, 3" spoon 4.7 in bz, then 2.7 ppm	
	12	3-4-5-4	2"		FILL	0-2" as above	1604	10/18/94	220 ppm	
SB-18 12-14'	14	4-3-2-2	9"		FILL	0-4" as above 4-9" Organics, pinkish-brn, saturated w/ black coal tar	1607	10/18/20	—	

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: STB
DRILLING/SAMPLING METHOD: 4¼" HSA / 2" Carbon Steel Split spoon

BORING NUMBER: SB-18
DATE STARTED: 10/18/94
DATE COMPLETED: 10/18/94
GROUNDWATER DEPTH:
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVA HNu ppm	COMMENTS
	14									
		10-24 10-10	14"		FILL	0-5": Black organics, little silt, saturated in coal tar. 5-14": Brick and clay, saturated in coal tar	1639	10/18/94	225 ppm	3" spoon
	16									
		8-20- 26-23	18"		CL	0-18": Med grey clayey SILT, little f-c gravel, brn coal tar sheen,	1645	10/18/94	137,	peak 543 - bottom of holder?
	18									
SB-18 18-20'		33-22- 17-31	16"		FILL SP	0-14": Black coal tar saturated organics 14-16": Med grey f-SAND, tr. silt and clay	1649	10/18/94	158 ppm	
	20									
		20-25- 26-28	18"		SM	0-18": Med grey silty f-m SAND, tr. f-m gravel and clay, shale fragments	1710	10/18/94	-	3" spoon
	22									
SB-18 22-24'		8-17- 24- 59/3"	16"		TILL	0-14" Med grey SILT, little f. sand, clay, shale fragments, brn coal tar impregnations 14-16": SHALE, little tr. silt.	1720	10/18/94	33 ppm	Solid Shale w/ brn coal tar impregnations in spoon shoe
						Boring terminated at 23.75'				

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SJB
DRILLING/SAMPLING METHOD: 4¼" HSA / 2" Carbon Steel Split Spoon

BORING NUMBER: SB-19
DATE STARTED: 10/17/94
DATE COMPLETED: 10/17/94
GROUNDWATER DEPTH: N/A
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	HNu ppm	COMMENTS
	0 1.0					asphalt & grvl base				
	2	7-11	12"		FILL	0-11": med brn silty f-m SAND, little f-m grvl, few brick fragments, black slag, dense, dry 11-12": Med brn f-m SAND dry	1038	10/17/94	NAD	
	4	7-7-9-10	20"		FILL SP	0-8": as above 8-20": Med brn f-c SAND, little f-m grvl, weathered shale, tr. clay, dense, dry	1041	10/17/94	NAD	
SB-19 4-6'	6	4-5-9-11	22"		SP SM	0-12": as above, sl. moist. 12-22": Med brn-green silty f-m SAND, little clay, tr. f-m grvl, sl. moist.	1054	10/17/94	NAD	Indicators
	8	15-26-50/4"	1"		ML	0-1": moist to saturated clayey SILT, coarse grvl. dust, med. brn	1059	10/17/94	NAD	-spoon shoe hent, auger to 8'
						Boring terminated at @ 7.5' - move to adjacent location. (SB-19A)				

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO: 16
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SOB
DRILLING/SAMPLING METHOD: 4 1/4" HSA / 2" Carbon Steel Split Spoon

BORING NUMBER: SB-19A
DATE STARTED: 10/17/94
DATE COMPLETED: 10/17/94
GROUNDWATER DEPTH:
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	HNu ppm	COMMENTS
	8					auger to 8.0'				
	10	14-22-26-28	22"		SM	0-22": Med brn silty f SAND, little-tr. clay and f-m grvl, moist, slight coal tar odors	1159	10/17/94	7.9 ppm	3" spoon head 13.2 ppm
SB-19 10-12'	12	9-8-8-12	20"		SM	0-20": as above, 15-20" has ~~saturated~~ brn coal tar impregnations, dense material	1203	10/17/94	5.5 ppm	strong odors indicators
SB-19 12-14'	14	12-16-18-22	24"		SM	0-14": Med grey silty f-m SAND, saturated brn coal tar, dense	1207	10/17/94	52 ppm	strong odors geotechnical
					TILL	14-24": Med grey SILT, little to tr. f-m sand and clay, dense, sl. moist to dry, tr. shale.				
SB-19 14-16'		9-48-50/1"	14"		TILL	0-9": Med grey SILT, little f-m sand and shale, coal tar impregnations	1335	10/17/94	200 ppm	3" spoon - solid shale in spoon shoe TCL/TAL
					TILL	9-14": Grey SHALE, little silt, coal tar impregnations				
						Boring terminated at 15.1'.				

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SSB
DRILLING/SAMPLING METHOD: 4¼" HSA / 2" Carbon Steel Split Spoon

BORING NUMBER: SB-20
DATE STARTED: 10/14/94
DATE COMPLETED: 10/14/94
GROUNDWATER DEPTH: 7.5
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	HNu ppm	COMMENTS
	0									
	.5					asphalt				
	2	11-6-5	12"		FILL	0-4": med brn silty f-c SAND, tr. clay and f-m gravel, sl moist. 4-12": Med brn-blk f-m SAND, ashes, slag fragments, tr. f. gravel, sl. moist.	0808	10/14/94	NAB	
SB-20 2-4'	4	6-5-4 3	18"		FILL FILL SP	0-2": as above 2-15": Med brn f-c SAND, some-little silt tr. clay and f-m gravel, sl. moist. 15-18": Orangy-brn f-c SAND, little silt and f. gravel, sl. moist.	0810	10/14/94	NAB	Indicators
	6	2-2-4 5	12"		SP SM	0-1": as above 1-12": Orangy-brn f-m SAND and SILT, little-tr. clay, tr. f-c gravel, moist	0817	10/14/94	NAB	
SB-20 6-8	8	8-10-10-8	24"		SM SP	0-1" as above 1-24": Orangy brn f-c SAND, little silt, weathered shale, tr. clay and f-c gravel, moist to very moist, 20-21" saturated	0819	10/14/94	NAB	Indicators
SB-20 8-10'	10	7-12-17-16	24"		GP	0-4": med brn clayey SILT, tr. f-c gravel. 4-24": Orangy-brn f-m SAND and f-c GRVL, little silt, shale fragments, saturated	0834	10/14/94	NAB	3" spoon Geotechnical
SB-20 10-12'	12	5-4-8-12	14"		GP	0-14": Orangy-brn f-c SAND, some f-m gravel, little silt shale fragments, saturated	0837	10/14/94	NAB	- shale, tr. clay in shoe Indicators

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K MacGregor
DRILLER: SOB
DRILLING/SAMPLING METHOD: 4¼" HSA/2" Carbon Steel Split Spoon

BORING NUMBER: SB-20
DATE STARTED: 10/14/94
DATE COMPLETED: 10/14/94
GROUNDWATER DEPTH: ~7.5'
ELEVATION:

SAMPLE ID	DEPTH (feet) 12	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	HNu ppm	COMMENTS
		48-50/2"	5"		BR	0-9": Solid greyshale, dry, sl. weathered 0-2" Boring terminated at 42.7'	0844	10/14/94	NMB	

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K MacGregor
DRILLER: SSB Drilling
DRILLING/SAMPLING METHOD: 4¼ HSA | 2" Carbon Steel Split spoons

BORING NUMBER: SB-23
DATE STARTED: 10/12/94
DATE COMPLETED: 10/12/94
GROUNDWATER DEPTH: ~4'
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	HNu ppm	COMMENTS
	0									
	.5					asphalt				
	2	7-11-13	14"		FILL	0-14": Med brn f-c SAND, tr. silt and f-c grvl, dry to sl. moist.	1451	10/12/94	0.2ppm	3" spoon
	4	10-15-17-18	13"		FILL	0-13": Med brn silty f-m SAND, little f-m grvl, brick chunks, sl. moist, dense	1455	10/12/94	NAB	- gravel clast in spoon shoe
SB-23 4-6'	6	6-6-3-3	17"		FILL?	0-3": as above 3-17": Black f-c SAND, tr. f-m grvl & silt, saturated w/ black oily material	1522	10/12/94	1.7ppm	- strong odors Indicators
	8	5-3-2-2	14"		FILL	0-14": as above, little f. grvl, saturated w/ black oily material.	1524	10/12/94	NAB	- strong odors,
SB-23 8-10'	10	5-3-2-2	21"		FILL SP-OL OL	0-3": as above 3-14": Black f-c SAND, organic, little f-m grvl, tr. silt, saturated w/ black sticky tar 14-21": Black silt, little f-m sand, organics	1543	10/12/94	27ppm	3" spoon Indicators
	12	0-3-2-2	20"		OL CL	0-2": as above 2-20": Med brn-green silty CLAY, tr. f-m sand and f grvl, moist.	1547	10/12/94	1.7ppm	
	14	5-8-9	18"		CL SM	0-7": as above, oily black (black) 7-18": Med green-brn silty f-c SAND, little f-m grvl, tr. clay, moist.	1551	10/12/94	6.3ppm, peak 8.1	*

NOTES: 0 = wt. of hammer

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SJB
DRILLING/SAMPLING METHOD: 4¼" HSA / 2" Carbon Steel Split Spoon.

BORING NUMBER: SB-23
DATE STARTED: 10/12/94
DATE COMPLETED: 10/12/94
GROUNDWATER DEPTH: ~4'
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	HNu ppm	COMMENTS
SB-23 14-16'	14	6-7-8-9	18"		SM	0-18": Med grey brn Silty f-m SAND, little f-c grvl, Thick tar pockets	1605	10/12/94	31 ppm	3" spoon TCL/TAL geotechnical
	16	3-2-2-3	4"		GP	0-4": Med brn-green f-c SAND and f. grvl, tr. silt, oily sheen	1607	10/12/94	3.5 ppm	
	18									
		5-9-6-8	7"		GP	0-7": as above, oily sheen	1613	10/12/94	0.4 ppm	
	20									
SB-23 20-22'		6-7-8-6	12"		SC	0-12": Med grey f-c SAND and CLAY, little silt and fc grvl, saturated	1628	10/12/94	2.4 ppm	3" spoon Indicators
	22									
		3-2-0-1	9"		SC	0-9": as above	1634	10/12/94	1.0	
	24									
		6-7-8-9	7"		TILL	0-7": Med grey weathered STIFF, little silt and clay, Saturated	1638	10/12/94	1.7 ppm	
	26									
		50/3"	4"		TILL	0-4": Med grey sand & STIFF, brn coal tar blobs and oily sheen. Solid shale in shoe.	1706	10/12/94	2.0 ppm	Solid shale in spoon shoe
						Boring terminated at 26.25'				

NOTES: 0 = wt. of hammer

LOG OF BORING

PROJECT: Niagra Monawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SJB
DRILLING/SAMPLING METHOD: 4 1/4" HSA / 2" Carbon Steel Split spoons

BORING NUMBER: MW-1
DATE STARTED: 9/8/94
DATE COMPLETED: 9/8/94
GROUNDWATER DEPTH: ~6.5'
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVA HNU ppm	COMMENTS
	0	3-4-3-4	7"		SM	0-7": Med brn silty f. SAND, many rootlets - topsoil	0738	9/8/94	NAB	
	2	3-4-4-6	12"		SP	0-12": Med. brn f-c SAND, tr. silt and vf. gravel, sl. moist.	0740	9/8/94	NAB	
	4	3-3-2-3	19"		SP	0-19" Med brn f-c SAND, tr. silt, little-tr. f-m gravel, moist	0750	9/8/94	NAB	
	6									
MW-1 6-8'	8	2-3-2-4	14"		SP	0-14": Med-dk brn f-c SAND, little-tr. silt, tr. clay, moist to saturated	0752	9/8/94	NAB	- coarse gravel in spoon shoe - Indicator
	10	1-2-2-3	9"		SP	0-9": as above	0800	9/8/94	0.5 ppm	
	12	1-2-2-3	20"		SP	0-20": Med-dk. brn f-c SAND, tr. silt, moist to saturated	0812	9/8/94	NAB	
	14	1-2-2-4	19"		SP	0-19": As above - 0-4" more c. sand, 4-19" primarily f-m sand.	0824	9/8/94	NAB	

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SJB
DRILLING/SAMPLING METHOD: 4¼" HSA / 2" Carbon Steel Split Spoons

BORING NUMBER: MW-1
DATE STARTED: 9/8/94
DATE COMPLETED: 9/8/94
GROUNDWATER DEPTH: ~6.5'
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVA +IND ppm	COMMENTS
	14									
MW-1 14-16'	16	2-2-3-3	12"		SP	0-12": Med brn f-m SAND, tr. silt, moist to very moist	0832	9/8/94	NAB	
	18	1-3-5-11	18"		SP / SM	0-13": as above 13-14": Dk grey f-m SAND 14-15": Orange f-m SAND, little silt. 15-18": Yellowish brn f. SAND and SILT, little tr. clay, saturated.	0840	9/8/94	NAB	- a few shale fragments in shoe
MW-1 18-20	20	10-17-20-19	24"		SP / SP-fills	0-11": Med-lt. yellowish brn f-m SAND, little tr. silt. 11-24": Med grey f-c SAND and f-c GRAVEL, little clay - many shale fragments & chunks.	0852	9/8/94	NAB	8" spoon, MS/MSD TCL/TAL + cyanide
	22	8-10-12-16	8"		SP-fills	0-8": Med grey m-c SAND and fr-m GRAVEL - many shale fragments and chunks	0904	9/8/94	NAB	
MW-1 22-24'	24	6-100/3"	8"		TILL	0-6": Med grey silty CLAY and SHALE fragments 6-8": Very dense shale	0934	9/8/94	NAB	Indicators tr. sat. and grvl.
		100/3"	2"		TILL	0-2": very dense shale Boring terminated at 24.25'	0959	9/8/94	NAB	

NOTES:

LOG OF BORING

PROJECT: Niagara Monawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SJB Drilling
DRILLING/SAMPLING METHOD: 4 1/4" HSA/2" Carbon Steel split spoon

BORING NUMBER: MW-2
DATE STARTED: 9/8/94
DATE COMPLETED:
GROUNDWATER DEPTH:
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	HNu ppm	COMMENTS
	0									
	.5					asphalt				augered
		3-4-6	12"		FILL	0-12": med brn f-m SAND and silty CLAY, little f-m gravel. At 2-4" a brick red chunk (solid brick) dry to sl. moist	1555	9/8/94	NAD	
	2									
MW-2 2-4'		2-3-3-3	18"		FILL	0-18": Med brn clayey f-m SAND, tr. f. gravel, few black glassy chunks and brick fragments, sl. moist	1558	9/8/94	NAD	Indicators
	4									
		3-3-5-6	3"		FILL	0-3": Med brn clayey f-m SAND tr. f. gravel, wood fragment (black)	1604	9/8/94	2 ppm	
	6									
		3-6-6-8	7"		FILL	0-6": Med brn clayey f-m SAND, tr. f gravel, sl. moist to moist. A few rust-colored clumps 6-7": large clast	1606	9/8/94	1 ppm	
	8									
MW-2 8-10'		3-4-3-4	8"		GP	0-2" As above (clayey sand) 2-8": Med brn f-c SAND and f-m GRAVEL, tr. clay, saturated. Heavy brn/black coal tar on sample, oily sheen - strong coal tar odors	1615	9/8/94	10 ppm	TCL/TAL + cyanide
	10									

NOTES:

LOG OF BORING

PROJECT:
PROJECT NO:
LOCATION:
GEOLOGIST:
DRILLER:
DRILLING/SAMPLING METHOD:

BORING NUMBER: MW-2
DATE STARTED:
DATE COMPLETED:
GROUNDWATER DEPTH:
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	HNu ppm	COMMENTS
	10									
MW-2 10-14'		3-4-2-2	18"		GP	0-18": Med brn. f-c SAND and f. GRAVEL, saturated (wet), saturated w/ coal tar	1621	9/8/94	>100 ppm	-strong odors
	12									
waste char- acterization and geotech		4-4-20-20	24"		GP	0-2": as above	1624	9/8/94	>100 ppm	-strong odors
	14									
		4-7-10-12	12"		TILL	0-4": as above 4-12": Med grey clayey SAND and shale fragments, saturated w/ coal tar.	1645	9/8/94	20 ppm	-strong odors.
	16	~~4-7-~~					4			
		~~10-12~~ 18-20 24-25	20"		TILL	0-~~4~~": Med grey f-c SAND and GRAVEL, many shale fragments, coal tar. 4-20": Med. grey silty CLAY and f-c GRAVEL, some shale fragments, dry to sl. moist, a few patches of brown coal tar.	1703	9/8/94	25 ppm	-strong odors
	18									
MW-2 18-20		12-14-16-16	20"		TILL	0-20": Med grey-brn f-c SAND and shale - little clay and silt. Saturated w/ coal tar - dark brown in color.	1712	9/8/94	250-300 ppm	- very strong odors (Indicators)
	20									

NOTES:

LOG OF BORING

PROJECT:
PROJECT NO:
LOCATION:
GEOLOGIST:
DRILLER:
DRILLING/SAMPLING METHOD:

BORING NUMBER: MW-2
DATE STARTED:
DATE COMPLETED:
GROUNDWATER DEPTH:
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	HNu ppm	COMMENTS
	20	8-10-10-7	20"		TILL	0-20": as above	1724	9/8/94	200	ppm - very strong odors
		10-17-50-100/1"	16"		TILL	0-8": as above 8-16": very dense shale, seams of coal tar. Tr. clay.	1735	9/8/94	40-50	ppm - very strong odors.
						Boring terminated at 23.6'				

NOTES:

EBASCO ENVIRONMENTAL DIVISION

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: North Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SJB Drilling
DRILLING/SAMPLING METHOD: 4 1/4" HSA | 2" Carbon steel split spoons

BORING NUMBER: MW-3
DATE STARTED: 9/12/94
DATE COMPLETED: 9/12/94
GROUNDWATER DEPTH: ~6.5'
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVA HNu ppm	COMMENTS
	0									
	.5					asphalt				
		4-5-4-3	18"		FILL	0-5": Med-dk brn f-c SAND, little-tr. clay and vf grvl, sl. moist.	1452	9/12/94	NAB	
						5-15": Med brn f-c SAND and CLAY, tr. f grvl. a few white paper-like fragments				
					SP-FILL	15-18": Med. orangy-brn f-c SAND, little clay and silt, sl. moist.				
	2.5									
		3-3-5-6	7"		SM	0-7": Med orangy-brn silty f-m SAND, some-little clay, tr. f-m grvl, moist	1457	9/12/94	NAB	
	4.5									
MW-3 4.5-6.5'		2-5-9-11	22"		SM	0-18": Med orangy-brn silty f-m SAND, some-little clay, little f-m grvl and tr. moist	1508	9/12/94	NAB	- geotech
	6.5				SM-TILL	18-22": Med brn silty SAND, tr. clay, many shale-like rock fragments				
MW-3 6.5-8.5'		9-9-10-9	16"		TILL	0-16": as above, saturated Primarily shale fragments	1513	9/12/94	NAB	- Indicators.
	8.5									
		4-25-50/4"	14"		TILL	0-8": Med brn sandy SILT, little-some clay) and SHALE, saturated.	1536	9/12/94	1-2 ppm	- no odors - shale fragments.
						8-14": as above, sl. moist				
	10.5'									

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: North Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SJB Drilling
DRILLING/SAMPLING METHOD: 4 1/4" HSA / 2" Carbon Steel split spoon

BORING NUMBER: MW-3
DATE STARTED: 9/12/94
DATE COMPLETED: 9/12/94
GROUNDWATER DEPTH: ~6.5'
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	~~HNu~~ OVA ppm	COMMENTS
MW-3 10-5-12-5'	10.5	~~35~~ - 50/2"	12"		TILL	0-12": Med-dk brn clayey f-~~SAND~~ and SHALE, tr. gvl, most fo saturated	1554	9/12/94	1ppm	3" spoon - shale fragments, more intact in shoe
	12.5	45-100/5"	9"		TILL	0-1": as above 1-9": shale - very solid, dry	1616	9/12/94	0.5ppm	
						Boring terminated at 13.4'				

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K MacGregor
DRILLER: STB
DRILLING/SAMPLING METHOD: 4¼" HSA / 2" Carbon Steel Split Spoon

BORING NUMBER: MW-4
DATE STARTED: 9/28/94
DATE COMPLETED:
GROUNDWATER DEPTH:
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVA ppm	COMMENTS
	0.5					asphalt				
	2	7-6-4	14"		FILL	0-9": Black f-m SAND, little clay and f gravel, some charred wood chips. 9-14": Med yellow-grey f-m SAND, tr. f. grvl, sl. moist.	0859	9/28/94	4ppm, peak 16ppm	
MW4 2-4	4	3-2-2-2	22"		FILL	0-6": Black f-c SAND & f. grvl, little clay, sl moist 6-22": Med grey brn f-c SAND, little clay & f-m grvl, saturated, strong odors	0905	9/28/94	>100ppm	TCL/TAL-u -strong diesel odors -2.5ppm in BZ above spoon.
MW-4 4-6'	6	wt. of hammer 2" & 3"	NR 18"		FILL	0-18": as above, greenish tint.	0911	9/28/94	>100	-2", Then 3" -Indicators & MS/MSD
MW-4 6-8'	8	0-0-0-1	24"		FILL	0-17": Dk green f-c SAND, little f-m grvl & silt, saturated. 17-24": Med-lt. green f-c SAND, tr. silt & clay, wood fragments.	0924	9/28/94	>100ppm, 2ppm above spoon	-strong odors -geotech
	10	0-1-2-3	24"		EPL / SPL / OL	0-11": Med-dk brn f-c SAND, tr f. grvl, oily sheen 11-22": Med-lt. green f-c SAND, tr. silt & f. grvl 22-24": Black clayey silt, organics	0929	9/28/94	40ppm	-some odors

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K MacGregor
DRILLER: SJB Drilling
DRILLING/SAMPLING METHOD: 4 1/4" HSA / 2" Carbon Steel Split Spoon

BORING NUMBER: MW-4
DATE STARTED: 9/28/94
DATE COMPLETED:
GROUNDWATER DEPTH:
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVA ppm	COMMENTS
	0 12	0-2-3 5	17"		SC OL	0-4": Dk brn-blk clayey f-c SAND, saturated 4-17": Med green silty CLAY, little f.-m sand, tr. f-c gvl, dense	0943	9/28/94	7100ppm	1 ppm in bz - some diesel-like odo
MW-4 12-14	12 14	9-13-13-13	14"		OL	0-14": as above, some brn spots, oily sheen	0947	9/28/94	30 ppm	- odors, oily sheen - Indicators
	14 16	5-8-6-5	12"		TILL TILL	0-6": Med-dk. grey f-c SAND, little-tr. silty clay, shale fragments 6-12": Med-dk grey SHALE fragments, little f-c SAND, tr. clay, saturated	1006	9/28/94	10ppm	peak 32ppm - slight oily odor
MW-4 16-18'	16 18	5-10-29-50/3"	22"		TILL TILL	0-8": Med-dk grey f-c SAND, tr. silt, shale frag, saturated 8-22": M-c SAND (Med-dk grey), little clay and little to some SHALE.	1010	9/28/94	10 ppm	
	18	100/0"	0"			Boring terminated at 18.0'.	1036	9/28/94		- hammer bouncing - shale frag in end of spoon shoe.

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: North Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SJB Drilling
DRILLING/SAMPLING METHOD: 4¼" HSA/2" Carbon Steel Split Spoon

BORING NUMBER: MW-5
DATE STARTED: 9/13/94
DATE COMPLETED: 9/13/94
GROUNDWATER DEPTH: 5ft.
ELEVATION:

SAMPLE ID	DEPTH (feet) 0	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	HNu ppm	COMMENTS
	.5					asphalt	~~0942~~	9/13/94		
	2	8-24-12	11"		FILL	0-11": Med brn f-c SAND, little-tr. clay, little f-m gravel, sl. moist, few green flakes and black flakes	0942	9/13/94	NAB	
MW-5 2-4'	4	15-12-12-12	24"		FILL	0-5": Med orange brn f-m SAND, tr. silt and f. gvl, sl. moist 5-24": Black, f-c SAND and flaky material, like dried woodchips	0946	9/13/94	NAB	-not sent for analysis
MW-5 4-8' ↓ MS/MSD	6	5-3-4-4	18"		FILL	0-7": Med-dk brn f-c SAND little silt & f. gvl., sl moist 7-18": Med-brn f-c SAND and f-m GRVL, tr. silt, saturated, black oil-like material (coal tar)	1001	9/13/94	2ppm	-strong coal tar odors -indicators
	8	2-3-8-4	16"		FILL	0-16": f-c SAND and f GRVL, saturated, black oily Material, strong odors	1007	9/13/94	50ppm, peak >100 ppm	
	10	0-1-1-1	3"		FILL	0-3": as above also a wood/organic fragment.	1025	9/13/94	70ppm,	-2ppm readings above spoon
MW-10-12'	12	1-2-3-3	15"		SM/PT	0-3": as above 3-15": Med brn f. SAND and SILT, little-tr. clay, some organic Material (peat) coal tar Material Throughout.	1032	9/13/94	50ppm, peak >100ppm	-strong odors

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SJB
DRILLING/SAMPLING METHOD: 4 1/4" HSA / 2" Carbon steel split spoon

BORING NUMBER: MW-5
DATE STARTED: 9/13/94
DATE COMPLETED: 9/13/94
GROUNDWATER DEPTH: 5ft.
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	HNu ppm	COMMENTS
	12									
		2-5-9-8	7"		SM/PT	0-7": Med-lt brn SILT and f-m SAND, little clay and f-gr gravel; saturated w/ black coal-tar material. Some organics and shale frags.	1052	9/13/94	100 ppm peak 150 ppm	- strong odors
	14									
NW-5 14-16'		2-3-5-5	12"		SM/PT	0-12": as above.	1058	9/13/94	80 ppm, - Indicators peak 100 ppm	
	16									
		4-4-5-8	8"		SM	0-8": Med-light gray-brn SILT and f-SAND, little-some clay, little shale fragments and f-m GRVL black coal tar saturation	1123	9/13/94	40 ppm	- strong odors - 2 ppm above spoon (in #3 when opened)
	18									
		9-8-6-7	14"		TILL	0-14": Med-lt grey-brn SILT and f. SAND, little tr. clay, many shale fragments and seams, coal tar abundant in shale area	1133	9/13/94	35-42 ppm,	- strong odors ~2 ppm above spoons #1 & 2
	20									
NW-5 20-22'		2-10-25-33	17"		TILL	0-11": as above 11-17": shale, weathered, little silty clay, sl. moist	1152	9/13/94	20 ppm	Indicators
	22									
		50-10"/3"	8"		TILL	0-2" as above (shale) 2-7": weathered black shale 7-8": Med orange brn clayey SILT.	1206	9/13/94	10 ppm	
	24									
		100/5"	5"		TILL	0-5": Med gray SHALE tr. silt and clay, some coal tar.	1328	9/13/94	10 ppm	
	24					Boring terminated at 24.4'				

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk-
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SJB
DRILLING/SAMPLING METHOD: 4 1/4" HSA / 2" Carbon Steel Split Spoon

BORING NUMBER: MW-6
DATE STARTED: 9/27/94
DATE COMPLETED: 9/27/94
GROUNDWATER DEPTH: ~3'
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	HNu ppm	COMMENTS
	0									
	.5					asphalt	1330			
	2	8-4-4	8"		FILL	0-8": Med brn grvly SAND, grvl f-c, sand f-m, little-tr. silt, few black glassy fragments, moist	1333	9/27/94	NAB,	peak 4 ppm
MW-6 2-4'	4	4-3-3-3	14"		FILL	0-6": Med. brn c SAND and shale frag., oily sheen saturated, sl. odor (fuel?) 6-14": Med brn-black sandy CLAY, tr. shale, MGP residue, tr. grvl, wood fragments, saturated	1337	9/27/94	40,	peak > 100 ppm
MW-6 4-6	6	3-2-1-2	10"		FILL	0-10": Black SAND and f-m GRVL, little clay, saturated w/ black sticky MGP, some wood fragments	1347	9/27/94	35 ppm	- Indicator analyses
MW-6 6-8'	8	0-1-2-2	20"		FILL	0-5": as above 5-20": Med green grey f SAND, SILT and CLAY, saturated, oily MGP residue on outside, wood fragments	1352	9/27/94	50 ppm,	peak > 100 - geotechnical
	10	0-0-2-2	12"		GP OH	0-2": Med brn f-c SAND and GRVL, little silt. 2-12" Med. green grey silty CLAY, little f. SAND, tr. organics	1405	9/27/94	10 ppm,	peak 30 ppm
	12	3-4-5-4	20"		CL	0-18": as above 18-20": Green silty clay, little shale fragments and stone/grvl (f-m).	1409	9/27/94	10 ppm,	peak 20 ppm

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N Albany, NY
GEOLOGIST: K MacGregor
DRILLER: SJB
DRILLING/SAMPLING METHOD: 4¼" HSA / 2" Carbon Steel Split Spoon

BORING NUMBER: MW-6
DATE STARTED: 9/27/94
DATE COMPLETED: 9/27/94
GROUNDWATER DEPTH: ~3'
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	HNu ppm	COMMENTS
	12									
MW-6 1244		3-5-2-9	19"		SP	0-8": Med grey-green f SAND little f grvl and silt, saturated.	1424	9/27/94	4ppm	-Indicator analyses
					CP	8-19": Med grey-green f-c SAND and f-M GRVL, grvl rounded, saturated, tr. silt				
	14									
		9-13-8-8	16"		CP	0-16": Med grey f-c SAND and f GRVL, little m-c grvl, little shale fragments and clay	1430	9/27/94	2ppm	
	16									
		7-8-8-6	9"		SP	0-5": Med grey shale fragments, little silt, a few brn. oily (MGP) blobs	1452	9/29/94	NAD	
						5-9": Med grey f-c SAND, little f grvl, a few shale frag, oily green				
	18									
		7-9-7-9	18"		SP	0-4": Med grey green f-c SAND, little f-M grvl, brn oily MGP spots.	1503	9/27/94	0.5ppm	
					SP	4-18": Grey f-c SAND little clay and f-M GRVL, little shale frag				
	20									
MW-6 20-22		4-11-24-50/4"	15"		TILL	0-10": as above	1520	9/27/94	NAD	-augers refusing
						10-15": Solid grey shale, tr. clay. in spots shiny, very large shale clast.				
						Boring terminated at 21.7'				

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SJB Drilling
DRILLING/SAMPLING METHOD: 4 1/4" HSA | 2" Carbon Steel split spoon

BORING NUMBER: MW-8
DATE STARTED: 9/14/94
DATE COMPLETED: 9/14/94
GROUNDWATER DEPTH: ~5 feet.
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVA ~~HNU~~ ppm	COMMENTS
	0									
	.5					asphalt				
MW-8 0-2'	2	4-3-7	18"		FILL	0-10": Med brn f-m SAND, some-little clay, little f-m grvl and brick fragments, sl. most. 10-13": Med brn sandy CLAY, little silt, sl. most. 13-18": Black f-c SAND, little f-m grvl, sl. most, some sharp, slag-like material	1410	9/14/94	NMD	-geotechnical
	4	4-3-1-2	8"		FILL	0-3": Black f-c SAND, some sharp, slag-like chunks, black charred-wood type fragments, sl. moist. 3-8": Med-Dk brn f-m SAND and SILT, little clay, wood-like fragments, some rust staining and black, metallic, slag-like chunks (almost glassy)	1416	9/14/94	1 ppm	
MW-8 4-6'	6	4-5-3-3	18"		FILL / FILL	0-9": Med-dk brn clayey f-c SAND, very moist, some glassy black and rust chunks 9-18": Saturated black f-c SAND and f-m GRVL, some wood-like fragments.	1427	9/14/94	4 ppm	-very strong kerosene or diesel odor -Indicators
MW-8 6-8'	8	5-8-5-3	10"		ML	0-7": as above 7-10": Med grey brn SILT, little clay and f SAND, some black oily material, very strong oil-like odor.	1432	9/14/94	15 ppm	peak 22 ppm -1.0 ppm in bz above spoon -TCL/TAL + cyanide

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N Albany, NY
GEOLOGIST: K MacGregor
DRILLER: SJB Drilling
DRILLING/SAMPLING METHOD: 4¼" HSA / 2" Carbon Steel Split Spoon

BORING NUMBER: MW-8
DATE STARTED: 9/14/94
DATE COMPLETED: 9/14/94
GROUNDWATER DEPTH: ~5 feet
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVA HNu ppm	COMMENTS
	8									
		1-1-1-0	17"		SC	0-9": Med-lt. grey-brn f-c SAND, some-little clay, oily sheen on outside	1447	9/14/94	20ppm	peak 30ppm
	10				OL	9-17": Med-lt. grey-green SILT, little-some clay, some black organics.				
		3-5-8 14	20"		SP-SM	0-20": Med-lt. grey-brn f-c SAND, little f grvl, silt and clay, some oily odors and sheen, few organics	1453	9/14/94	10ppm	peak 28ppm
	12									
		4-6-2-2	19"		GP	0-6": Med-lt grey-brn f-c SAND and f. GRVL, little clay and tr. silt, oily sheen, brn. coal tar saturation along coarser material.	1507	9/14/94	4ppm	peak at 10ppm
					SP	6-16": Med-lt. brn f-c SAND, tr. silt and clay, oily sheen.				
	14				SC	16-19": Med-lt. brn f-c SAND and CLAY, tr. silt and f. grvl, oily sheen				
MW-8 14-16'		4-8-9-9.	15"		SP-SC	0-15": Med-lt. brn f-c SAND some-tr. clay, little f grvl, oily sheen, some strings of brn coal tar.	1515	9/14/94	2ppm	peak 8ppm - Indicators
	16									
		10-11-11-13	24"		SP	0-4": Med brn f-c SAND, tr. silt, oily sheen, tr. clay	1521	9/14/94	2ppm	peak 7ppm - coal tar odors above spoon -
					GP	4-19": Med-lt. brn f-c SAND and f-m GRVL, some-little clay, tr. silt, oily sheen and spots of brn. coal tar contaminants.				
	18									

NOTES:

TILL 19-22": Med brn clayey SAND and SHALE, brn coal tar spots.

TILL 22-24": Med-lt. brn clayey SAND, tr. shale frag.

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SJB Drilling
DRILLING/SAMPLING METHOD: 4¼" HSA/2" Carbon Steel Split Spoon

BORING NUMBER: MW-8
DATE STARTED: 9/14/94
DATE COMPLETED: 9/14/94
GROUNDWATER DEPTH: ~5 feet
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	~~FINU~~ OVA ppm	COMMENTS
MW-8 18-20'	18	13-100/5"	12"		TILL	0-7": Med-lf brn f-c SAND and f. GRVL, some - little silt, lithocly, shale frag., saturated, oily sheen 7-12": SHALE fragments, sl. moist today, little clayey silt. Some solid shale	1552	9/14/94	1ppm	
	20	37-100/5"	8" 7"		TILL	0-7": SHALE, very solid, some is fragmented, but primarily in bedding layers, sl. moist today.	1614	9/14/94	1ppm	
						Boring terminated at 20.9'				

NOTES:

LOG OF BORING

PROJECT: Niagra Mohawk - N Albany
BORING NUMBER: MW-9
PROJECT NO:
DATE STARTED: 9/7/94
LOCATION: N. Albany, NY
DATE COMPLETED: 9/7/94
GEOLOGIST: K MacGregor
GROUNDWATER DEPTH: ~15.5'
DRILLER: STB
ELEVATION:
DRILLING/SAMPLING METHOD: 4¼" HSA/2" Carbon Steel Split Spoons.

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVA Units ppm	COMMENTS
	0									
	~5	–				asphalt		9/7/94		
	2	4-7-10	7"		FILL	0-4": Med brn clayey f-SAND, little f-m gravel and silt 4-7": Black and white ash-like material dry	0803	9/7/94	NAB	
	4	3-4-3-4	9"		FILL	0-9": Med brn-black f-m-SAND, little-some clay, glassy fragments.	0805	9/7/94	NAB	
	6	3-4-1-3	16"		FILL SP	0-12": Med grey-brn silty clay, little f sand, sl. moist. 12-16": Med brn f-m SAND, tr. silt	0811	9/7/94	NAB 2 ppm	off silty clay off sand
MW-9 6-8'	8	3-3-1-2	8"		SP	0-8": Med brn f-m SAND, little-tr. clay, shale fragments	0817	9/7/94	90 ppm peak 70 ppm	very slight hydrocarbon odor
	10	2-3-2-3	7"		SP ML	0-2": Buck red SAND very dense, crumbly, dry 2-7": Med brn clayey silt, moist, little-tr. f-m SAND	0834	9/7/94	3 ppm	
MW-9 10-12	12	4-7-10-7	14"		SC	0-4": Med brn clayey f-m SAND, tr. silt and brick-like fragments, moist 4-7": Shale fragments and f-M SAND. dry	0842	9/7/94	2 ppm	

NOTES:
7-14": Yellowish-brn. clayey SAND and f-c GRAVEL, tr. silt, dry to sl. moist

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: North Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SJB Drilling
DRILLING/SAMPLING METHOD: 4 1/4" HSA/2" Carbon Steel Split spoons

BORING NUMBER: MW-9
DATE STARTED: 9/7/94
DATE COMPLETED: 9/7/94
GROUNDWATER DEPTH: ~15.5'
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVA Units ppm	COMMENTS
	12									
		10-18-17-17	14"		GP	0-14": Yellow-brn to med brn f-m SAND and GRAVEL, grvl f-c, little-tr clay, a few shale fragments, dry to sl moist	0844	9/7/94	3 ppm	
	14									
		20-10-9-9	18"		TILL	0-11": Med brn f-c SAND, little clay and f-m grvl, moist 11-16": large brn shale section, bedding almost vertical in spoon (fragment) 16-18" Med brn silty f. SAND, tr. clay moist	0901	9/7/94	8 ppm	
	16									
MW-9 16-18'		9-14-60 100/3	15"		TILL	0-9": Med brn SAND and shale, saturated. 9-15": Med grey SHALE, dry to moist.	0907	9/7/94	NAD	
	18									
		100/3"	1"		BR	0-1": Med grey shale fragments, dry.	0923	9/7/94	NAD	
	20									
		100/2"	.5"		BR	0-.5": Dk grey shale, tr. clay, saturate Boring terminated at 20.1'	1051	9/7/94	NAD	- augers almost at refusal

NOTES:

LOG OF BORING

PROJECT: NMPC - No. Albany Fm. MGP Site
BORING NUMBER: MW10
PROJECT NO:
DATE STARTED: 9-20-94
LOCATION:
DATE COMPLETED: 9-20-94
GEOLOGIST: P. Anderson
GROUNDWATER DEPTH: 11.5 ft.
DRILLER: B. Steffy, SJB Services
ELEVATION:
DRILLING/SAMPLING METHOD: HSA / split spoon

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVM/CGI (%) ppm	COMMENTS
	0									
01	1	15 17 17 15	18"		FILL	angular to subround, med. to fine gravel; increasing tan/lt. grey fine sand and silt w/ depth, dense, dry	0812	9-20-94	NAB / —	2" split spoon geotech
02	3	13 18 12 11	16"		FILL	kiln brick, red brick; dark brown, med. to fine sand last 4", dense, dry	0827	"	3.8 augers / 16% LEL 18% O_2	3" split spoon indicators / MS/MSD (01, 02)
03	5	5 3 3 5	14"		FILL / ML	3" grey angular gravel, coal, fly ash contacting 11" grey stained silt and fine sand w/ trace clay, soft, sl. moist.	0837	"	46 spoon / —	2" spoon geotech
04	7	3 2 3 4	16"		CL	grey clay w/ some silt, med. plasticity, soft; grading to clay, silt and fine sand; black stained; soft, sl. moist.	0856	"	108 spoon / 19% O_2 12% LEL	2" spoon Indicator sample (03) strong petroleum odor
05	9	4 4 8 9	17"		CL / SP	similar to above; some gold/brown med. sand and fine subround gravel; moist	0901	"	110 spoon / —	2" spoon geotech
06	11	2 2 3 5	15"		CL / SP	grey/brown clay w/ some fine sand and clay shale (11") contacting 4" med. to coarse sand, dark grey, saturated	0911	"	720 spoon / 22% LEL 19.5% O_2	2" spoon TCL/TAL (04)
07	13	6 6 6 6	23"		ML	grey silt, fine sand and shale w/ some saturated stringers of cse. sand otherwise sl. moist, med. dense 4.5 ppm BZ (OVM)	0925	"	35 auger 715 spoon / 25% LEL 19.5% O_2	3" spoon Benzene drager tube 1-2 ppm.
08	15	3 3	12"		SP	med. to cse. grey sand w/ some brown/tan fine sand and	0937	"	212 auger 525 spoon	Indicator at lithology change (05)

NOTES: HSA: hollow stem auger
NAB: Not Above Background

PROJECT: NMFC-No. Albany Fmr. MGP Site — BORING NUMBER: MW10 (cont.)

PROJECT NO: — DATE STARTED: 9-20-94

LOCATION: — DATE COMPLETED: 9-20-94

GEOLOGIST: P. Anderson — GROUNDWATER DEPTH: 11.5 ft.

DRILLER: B. Steffy, SJB Services — ELEVATION:

DRILLING/SAMPLING METHOD: HSA / split spoon

OVM/CGI (ppm)

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	~~HNU~~ ppm	COMMENTS
	15									
08 (cont.)	16	4 3				silt; loose, saturated.			70% LEL 19% O2	let vent then add water to lower LEL
09	17 18	8 8 11 12	18"		SP	dark grey (stained) and lt. brown med. to fine sand w/ some med to fine, submd. gravel, cobbles; 1" blk silt and clay layers loose, moist but w/ saturated stringers	1051	9-20-94	200 spoon —	3" spoon Grain Size (06)
10	19 20	4 9 14 16	24"		SP	20" as above contacting 4" med. grey sand, well sorted (end of spoon)	1101	"	5 spoon 16.5% O2 100% LEL*	2" spoon geotech
11	21 22	8 15 33 40	19"		SP	dark grey fine sand w/ little; angular black shale and trace subrand, med. to fine gravel, dense, wet	1123	"	3 spoon 20% O2 20% LEL	2" spoon Indicator and duplicate (07)
12	23 24	13 33 50/.4 (full spoon?)	6"		SP (+11)	dark grey fine sand, dense, well sorted	1133	"	3 spoon —	2" spoon geotech
13	25 26	49 50/.4	2"		BED-ROCK	angular rock fragments of sandstone and shale	1158	"	NAB 40% (peak LEL value)	"
	27 28					Boring Terminated @ 24.5 ft.				
	29 30									

NOTES: * reading taken above water in augers
NAB: Not Above Background

LOG OF BORING

PROJECT: NMPC - No Albany Fm. MGP Site
BORING NUMBER: MW11
PROJECT NO:
DATE STARTED: 9-21-94
LOCATION:
DATE COMPLETED: 9-21-94
GEOLOGIST: P. Anderson
GROUNDWATER DEPTH:
DRILLER: B. Steffy, SJB Services
ELEVATION:
DRILLING/SAMPLING METHOD: HSA / split spoon

OVA
OVM
CGI (%)

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	HNU ppm	COMMENTS
	0									
01	1	6 7 8 6	12"		FILL	Mbrown fine sand and fine, subrnd to angular gravel contacting 4" dark brown/orange, brick sand contacting 4" blk. slag (sand; all med. dense; dry (top), sl. moist (bottom) of spoon.	0841	9-21-94	NAB NAB —	2" split spoon geotech
	2									
02	3	7 7 6 5	8"		FILL	brown med.-to fine sand and med.-to fine, subround to subangular gravel; trace wood; med. dense, sl. moist.	0845	"	NAB NAB OLEL 20.8 O_2	"
	4									
03	5	2 3 4 3	13"		SP/CL	4" med. brown sand, well sorted, wet contacting 9" brown clay w/ some silt and fine sand; soft, med. plasticity, sl. moist.	0857	"	10 auger 0.7 auger —	2" spoon Indicator (01)
	6									
04	7	2 3 3 4	16"		SP/CL	6" sand, 10" clay; lithology of layers as above.	0902	"	NAB NAB OLEL 20.8 O_2	2" spoon geotech
	8									
05	9	1 2 3 4	14"		CL	grey/brown clay w/ some fine sand, soft, low plasticity sl. moist except wet in strings	0915	"	0.2 auger NAB spoon —	2" spoon Indicator (02)
	10									
06	11	4 5 7 8	13"		CL	brown to grey clay as above w/ incr. angular to subround, med.-to fine gravel w/ depth; wet at spoon tip	0923	"	— NAB OLEL 20.8 O_2	2" spoon geotech
	12									
07	13	2 1 3 * 4	24"		CL/SP	clay as above w/ little gravel, moist 3" fine to med. sand, well sorted wet change from clay to sand is gradual.	0936	"	— NAB —	TCL/TAL + duplicate (03) 3" split spoon
	14									
08	15	2 2	19"		SC	grey clay and fine to medium sand, wet; loose to soft, low plasticity (clay fraction)	0939	"	— NAB	2" spoon geotech

NOTES: HSA: hollow stem auger
NAB: Not Above Background
*: indicated 3" split spoon; ASTM does not apply

PROJECT: NMFG-No. Albany Fmr. MGP Site
BORING NUMBER: MW11 (cont.)
PROJECT NO:
DATE STARTED: 9-21-94
LOCATION:
DATE COMPLETED: 9-21-94
GEOLOGIST: P. Anderson
GROUNDWATER DEPTH:
DRILLER: B. Steffy, SJB Services
ELEVATION:
DRILLING/SAMPLING METHOD: HSA / split spoon

OVA
OVM
GSI(%)

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	ppm	COMMENTS
	15									
08 (cont.)	16	3 4				see page 1			2 LEL 19.5 O_2	
09	17 18	2 4 8 11	14"		SP / GP	med. grey/brown sand, well sorted, saturated grading to gravel: fine, subangular to rnd. w/ clay shale; saturated	0946	9-21-94	NAB " —	2" split spoon geotech
10	19 20	3 8 10 3	16"		GP	angular to round, fine gravel; washed contacting 4" brown silt and fine sand w/ same gravel.	1008	"	NAB " 19.5 O_2 0 LEL	2" split spoon Indicator (04) sample taken in water rich zone
11	21 22	2 2 3 3	12"		SP	brown med. to fine sand; trace silt, loose, well sorted, saturated.	1014	"	NAB " —	2" spoon geotech
12	23 24	1 2 2 2	14"		SP	as above	1033	"	NAB " 20 O_2 0 LEL	"
13	25 26	2 2 2 2	13"		SP	as above	1101	"	NAB " —	"
14	27 28	1 2 2 3	22"		SP	as above	1117	"	NAB " Bkg.	"
15	29 30	3 4 6 6	22"		SP	as above, some fine, angular gravel in spoon tip	1138	"	NAB " —	2" spoon Indicator (not sent)

NOTES: NAB: Not Above Background

LOG OF BORING

PROJECT: NMPC - No. Albany Fmr. MGP Site
BORING NUMBER: MW11(cont.)
PROJECT NO:
DATE STARTED: 9-21-94
LOCATION:
DATE COMPLETED: 9-21-94
GEOLOGIST: P. Anderson
GROUNDWATER DEPTH:
DRILLER: B. Steffy, SJB Services
ELEVATION:
DRILLING/SAMPLING METHOD: HSA/split spoon

OVA
OVM
CGI(PID)

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	ppm	COMMENTS
	30									
16	31	6 11 16 18	24"		SP	brown fine sand with very fine angular gravel, dense, wet.	1145	9-21-94	NAB " "	2" spoon geotech sample
	32									
17	33	6 6 8 11	14"		GP	dark brown angular, fine gravel and rock fragments (shale), wet	1205	"	NO ELEVATED READINGS	"
	34									
18	35	9 10 11 16	16"		SP TILL	brown med. sand and fine angular gravel as above; contacting 6" of black shale silt and clay; dense.	1215	"		"
	36									
19	37	17 39 50/4"	no recov.		—	no recovery, spoon over stuffed with wash	1315	"		"
	38									
20	39	100/0"	—		BR	no penetration of formation	1345	"		—
	40									
	41					Boring Terminated at 38 ft.				
	42									
	43									
	44									
	45									

NOTES: NAB: Not Above Background
BR: Bedrock

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SJB Drilling
DRILLING/SAMPLING METHOD: 4 1/4" HSA | 2" Carbon Steel Split Spoon

BORING NUMBER: MW-12
DATE STARTED: 9/30/94
DATE COMPLETED: 10/3/94
GROUNDWATER DEPTH: ~ 14'
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVA-HNU ppm	COMMENTS
	0									
	5					crushed stone				
	2					hit wood - auger to 2'	0837	9/30/94		
		4-6-4-4	24"		FILL	0-2": wood fragments 2-17": Black f-m SAND, little silt & clay, metallic/glassy fragments, sl. moist.	0837	9/30/94	NAB	- some slight odors, Phenol-like
					SAND	17-24": Med grey-brn silty f-m SAND, little-tr. clay, sl. moist				
	4									
MW-12 4-6'		2-4-6-7	22"		FILL	0-18": As above	0845	9/30/94	NAB	3" spoon - slight odors
					GRAVEL	18-22": Med grey-brn clayey f-c SAND & GRAVEL, sl. moist to moist.				
	6									
		5-6-14-15	24"		GRAVEL	0-8": as above.	0849	9/30/94	NAB	
						8-18": as above w/shale fragments, dry.				
					GM	18-24": Orange-brn silty GRVL, little f-c sand & clay, hard, dense, dry				
	8									
		25-27-30-39	16"		GP	0-6": Med grey GRAVEL and shale fragments, dry	0855	9/30/94	NAB	
					GP	6-16": Orange f-m SAND and GRAVEL (f-c), little-tr. clay, dry to sl. moist.				
	10									
		50/2"	0"			no recovery	0935	9/30/94	—	bottom of spoon hit.
	12									

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
BORING NUMBER: MW-12
PROJECT NO:
DATE STARTED: 9/30/94
LOCATION: N Albany, NY
DATE COMPLETED: 10/3/94
GEOLOGIST: K. MacGregor
GROUNDWATER DEPTH: ~14'
DRILLER: SJB
ELEVATION:
DRILLING/SAMPLING METHOD: 4¼" HSA/2" Carbon Steel Split Spoon

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVA ppm	COMMENTS
	12									
	14	11-11-29-51	14"		GC	0-14": Med brn clayey f-c GRAVEL, little f-c sand, sl. moist to dry, shale fragments.	1050	9-30-94	NAB	-spoon shoe material is wet, saturated.
14		50/3"	0"			no recovery - auger to 14'9 take another spoon	1055	9/30/94	—	-rock in spoon shoe
MW-12 14-16'	16	14-17-16-16	16"		GP	0-16": Med brn f-c SAND and f-m GRAVEL, tr. silt and clay, saturated	1125	9/30/94	NAB	Indications
	18	36-30-28-17	17"		GP	0-17": as above	1132	9/30/94	NAB	
	20	100-20-21-30	—			Cannot be opened	1028	10/3/94	—	-split spoon bent
	22	8-16-18-18	14"		(Fill)	0-14": Med brn clayey f-c SAND, some f-c Gravel and chunks of shale, dense, saturated	1407	10/3/94	NAB	—
MW-12 22-24	24	9-10-12-13	18"		TILL	0-18": Med brn f-c SAND, some-little clay, little f-m grvl, few shale fragments, saturated	1454	10/3/94	NAB	

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SSB
DRILLING/SAMPLING METHOD: 4¼" HSA/2" Carbon Steel Split spoon

BORING NUMBER: MW-12
DATE STARTED: 9/30/94
DATE COMPLETED: 10/3/94
GROUNDWATER DEPTH: ~14 feet.
ELEVATION:

SAMPLE ID	DEPTH (feet) 24'	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVA HNu. ppm	COMMENTS
		18-48-50/3"	18"		TILL	0-2": as above 2-6": Grey weathered shale and CLAY. 6-18": Grey SHALE Boring terminated at 25.3'	1520	10/3/94	NA13	3" spoon

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K MacGregor
DRILLER: STB Drilling
DRILLING/SAMPLING METHOD: 4 1/4" HSA / 2" Carbon Steel Split Spoon

BORING NUMBER: NW-13
DATE STARTED: 9/15/94
DATE COMPLETED: 9/16/94
GROUNDWATER DEPTH: ~ 5 feet
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVA Hnu ppm	COMMENTS
	0									
	.5	1				asphalt.				
	2	3-1-1	4"		FILL	0-4": Med-dk brn f-c SAND, little f-m grvl, little-tr. silt, sl. moist	1123	9/15/94	NAB	
	4	1-1-2-1	3"		FILL	0-3": Med-dk brn f-c SAND and f-m GRVL, tr. silt, sl. moist	1125	9/15/94	NAB	
NW-13 4-6'	6	2-2-4-9	14"		SP-FILL	0-4": as above 4-14": black f-c SAND, little f-m grvl, few shale fragments, saturated with black, oil-smelling material, tr. silt.	1133	9/15/94	20 ppm	
NW-13 6-10'	8	12-11-8-7	16"		FILL	0-16": as above	1140	9/15/94	15 ppm	
	10	3-9-5-2	4"		FILL	0-4": Black f-c SAND and f. GRVL, little clay and wood/organics (peat?) - saturated in black oily material	1153	9/15/94	30 ppm, peak 60 ppm	- redline spoon (3")
redline 3" 8 10'	10	4-4-3-3	6"			0-6" as above	1157	9/15/94	20 ppm, peak 44 ppm	
NW-13 10-12'	12	0-0-3-4	24"		PT	0-14": as above 14-24": Med grey clayey silt, much organic material, little f grvl & sand, some black oily material and spots of tarry coal tar.	1203	9/15/94	50 ppm, peak >100 ppm	- geotechnical

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K MacGregor
DRILLER: SJB
DRILLING/SAMPLING METHOD: 4¼" HSA/2" Carbon Steel split Spoon

BORING NUMBER: MW-13
DATE STARTED: 9/15/94
DATE COMPLETED: 9/16/94
GROUNDWATER DEPTH: ~5 feet
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVM ppm	COMMENTS
MW13 12-14	12	2-4-6-8	16"		CL	0-10": Med gry clayey SILT, little f-m sand, blk oily material on outside of spoon, some in clayey silt.	0814	9/15/94	20ppm, peak 45ppm	
					SP	10-16": Med gry f-c SAND, little f-m grvl and clay, shale frag. and blk oily material, and tr. brn coal tar.				
	14									
		5-9 11-9	11"		GP	0-11": Med grey-green f-c SAND and f-m GRVL, tr. clay, blk oily material.	1321	9/15/94	10ppm, peak 60ppm	
	16									
		2-1-1-3	24"		SP	0-18": Med grey-brn f-c SAND, little f-c GRVL, sat.	1381	9/15/94	6ppm - some oil/coal tar odors	
					SM	18-24": Med gry-brn silty f-c SAND, little f-m grvl, tr. clay, coal tar odors				
	18									
		5-6-3-4	14"		SC	0-14": Med grey clayey f-c SAND, little f-c grvl, saturated, slight coal tar odor and sheen	0739	9/16/94	OVM = 50ppm, peak >100 PID = 8ppm, peak 8.7ppm	
	20									
		5-3-5-2	16"		SC	0-16" Med grey f-c SAND some-little clay, little f-grvl, tr. silt, saturated.	0745	9/16/94	OVM = 20ppm, peak 75ppm PID = 1.5, peak 2.1ppm	
	22									
		2-3-2-3	9"		SP	0-9": Med grey f-c SAND, little grvl, little-tr. clay, saturated	0752	9/16/94	OVM = 10ppm, peak 30ppm PID = 0.0ppm	
	24									

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
PROJECT NO:
LOCATION: N. Albany, NY
GEOLOGIST: K. MacGregor
DRILLER: SJB
DRILLING/SAMPLING METHOD: 4 1/4" HSA/2" Carbon Steel Split Spoon

BORING NUMBER: MW-13
DATE STARTED: 9/15/94
DATE COMPLETED: 9/16/94
GROUNDWATER DEPTH: ~Stest.
ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	HNu ppm	COMMENTS
MW-13 24-26 (also MW-33 dup.)	24	8-15-25/100/3"	24"		TILL	0-4" as above, oily sheen 4-20": SHALE, little clay, thick brn coal tar in bedded shale seams 20-24": SHALE, coated w/ brn coal tar, strong odors	0814	9/16/94	PID=2ppm OVA=7ppm, 1ppm at base of spoon in bz - strong odors	3" spoon
	26					Boring terminated at 25.75'				

NOTES:

LOG OF BORING

PROJECT: NMPC - No. Albany Fm. MGP Site
BORING NUMBER: MW14
PROJECT NO:
DATE STARTED: 9-22-94
LOCATION:
DATE COMPLETED: 9-22-94
GEOLOGIST: P. Anderson
GROUNDWATER DEPTH:
DRILLER: B. Steffy, SJB Services
ELEVATION:
DRILLING/SAMPLING METHOD: HSA / split spoon

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	OVA OVM CGI (%) HNU ppm	COMMENTS
	0									
01	1	NA 4	15"		FILL	asphalt; angular gravel subbase (0.3ft) then H. brown med-to fine sand containing 5" slag / black slag sand, dense, dry.	1010	9-22-94	OHBkgd NAB —	2" split spoon geotech
	2	9 14								
		10							—	2" spoon
02	3	9	17"		FILL	red-to cse. black sand w/ fine to med. slag chunks containing 7" wood ⇒ dense, moist top 3" of wood and material above wood is stained black	1014	"	24 spoon 12 LEL 19.5 O_2	Indicator (01) strong odor of oil
	4	24 13								
		4							100 spoon 19 spoon —	2" spoon geotech MGP odor, sheen on spoon
03	5	8	10"		FILL	shale, slag, wood, with some red. sand, wet, all stained black	1042	"		
		3								
	6	7								
		9			FILL	no recovery; wood pushed ahead of spoon; spoon glanced off pipe at 6.5 ft. tip saturated with MGP waste.*	1051	"	6.0 cutting 70 augers 3 LEL 19.5 O_2	2" spoon Indicator (02)
04	7	13	—							
		20			SP					
	8	11								
		1			SP	red. sand w/ tr. fine, sub ang. gravel, well sorted, moist; black w/ coal tar containing grey silt and clay, med. plast., stained blk. at top, sl. moist	1340	"	750 spoon 281 spoon	TCL/TAL (03)
05	9	1	16"							
		1			ML					
	10	1								
		3			CL	mottled (grey, black, brown) clay w/ trace very fine angular gravel, stiff, sl. moist; no visible MGP waste.	1342	"	1.0 spoon NAB —	2" spoon geotech
06	11	6	8"							
		9								
	12	11								
		12			CL	little recovery; cobble w/ some grey clay (till)	1350	"	NAB NAB 95 LEL 12 O_2	2" spoon cobble in spoon tip limited recovery
07	13	13	3"							
		13								
	14	12								
		13			SP	brown red. sand and fine to med., angular to round gravel	1418	"	NAB NAB	2" spoon geotech
08	15	20	10"							

NOTES: HSA: hollow stem auger
* pipe at 6.5 ft; moved borehole 5 ft. East; 6 ft; red. to cse. sand and med. to fine angular gravel, loose, saturated; black w/ MGP waste. All sample following taken in new boring location.
Bkgd: Background
NAB: not above background

PROJECT: NMPC-No. Albany Fmr. MGP Site | BORING NUMBER: MW14(cont.)

PROJECT NO: | DATE STARTED: 9-22-94

LOCATION: | DATE COMPLETED: 9-22-94

GEOLOGIST: P. Anderson | GROUNDWATER DEPTH:

DRILLER: B. Steffy, SJB Services | ELEVATION:

DRILLING/SAMPLING METHOD: HSA / split spoon

OVA
OVM
CGI(%)

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PROFILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION Time	COLLECTION Date	HNU ppm	COMMENTS
	15									
08 (cont.)	16	8 9				medium dense, wet; no MGP waste.				
09	17	9 8 7 10	14"		SP / SC	similar to above w/dark grey fine sand, some clay shale near spoon bottom	1425	9-22-94	NAB NAB NAB	2" split spoon Indicator (04)
10	19	3 6 6 8	6"		SP (FILL)	dark grey fine sand and fine angular gravel, med. dense, wet	1455	"	"	2" spoon geotech
11	21 22	17 40 50/.5	12"		SP / BR	as above w/ black shale; becoming dry.	1503	"	"	"
	23 24					Boring Terminated at 22 ft.				
	25 26									
	27 28									
	29 30									

NOTES: NAB: Not Above Background
BR: Bedrock

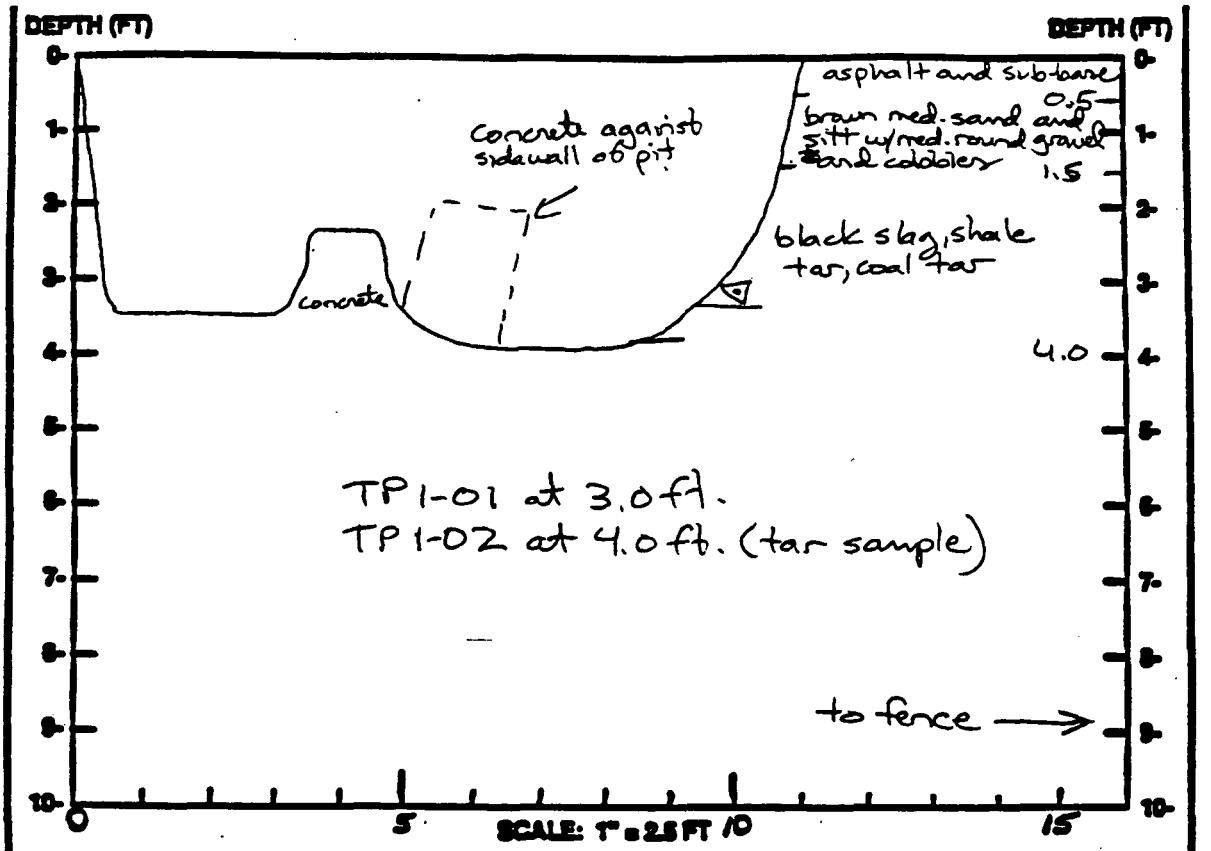
APPENDIX C

TEST PIT INVESTIGATION RECORDS

Figure A.2-2

Test Pit Record

TP-1



NOTES: water at 3.4 ft.

DEPTH (FT)	SOIL TYPE	HNu (ppm)

EBASCO SERVICES INCORPORATED

DEPT _____
DATE _____
SCALE AS NOTED

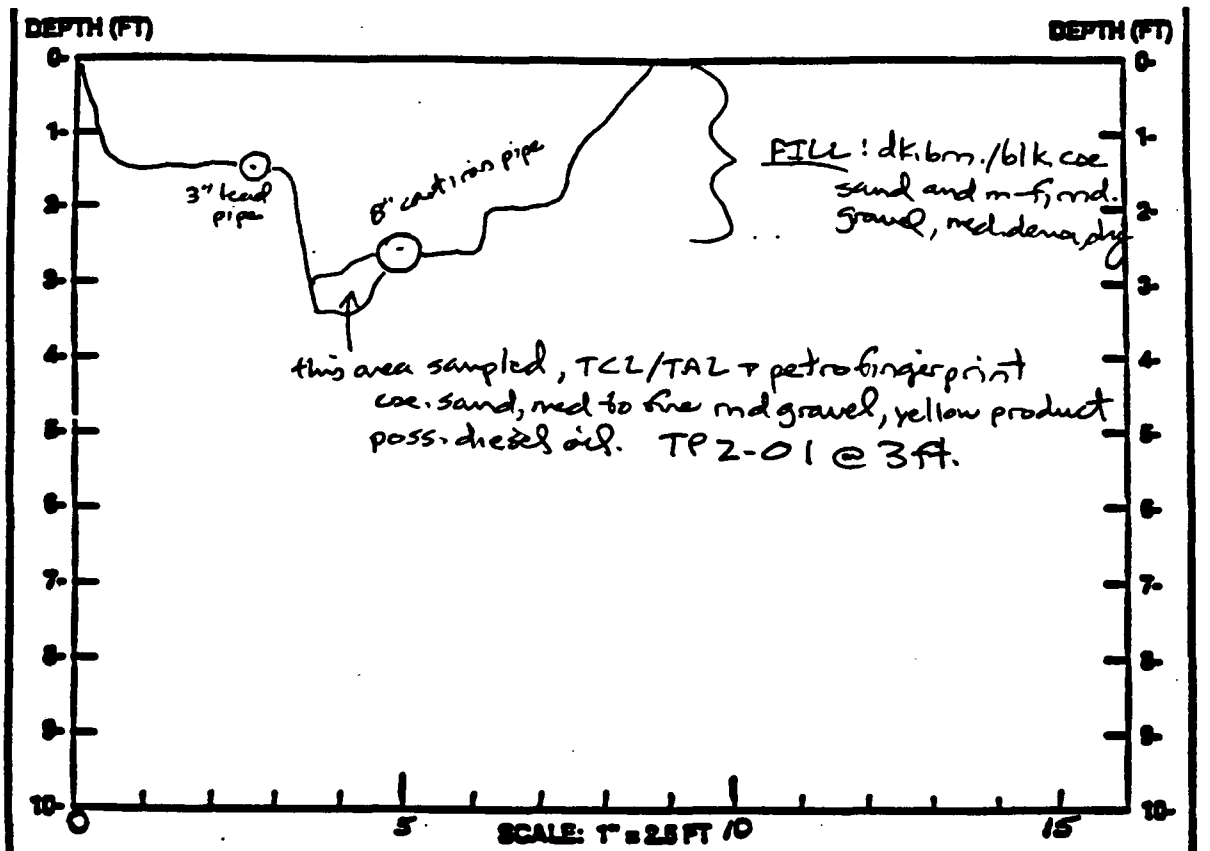
APPROVED

TEST PIT RECORD
PROFILE ALONG TEST PIT - # 1

O'BRIEN & GERE ENGINEERS, INC.

Figure A.2-2

Test Pit Record



NOTES: test pit obstructed by pipes.

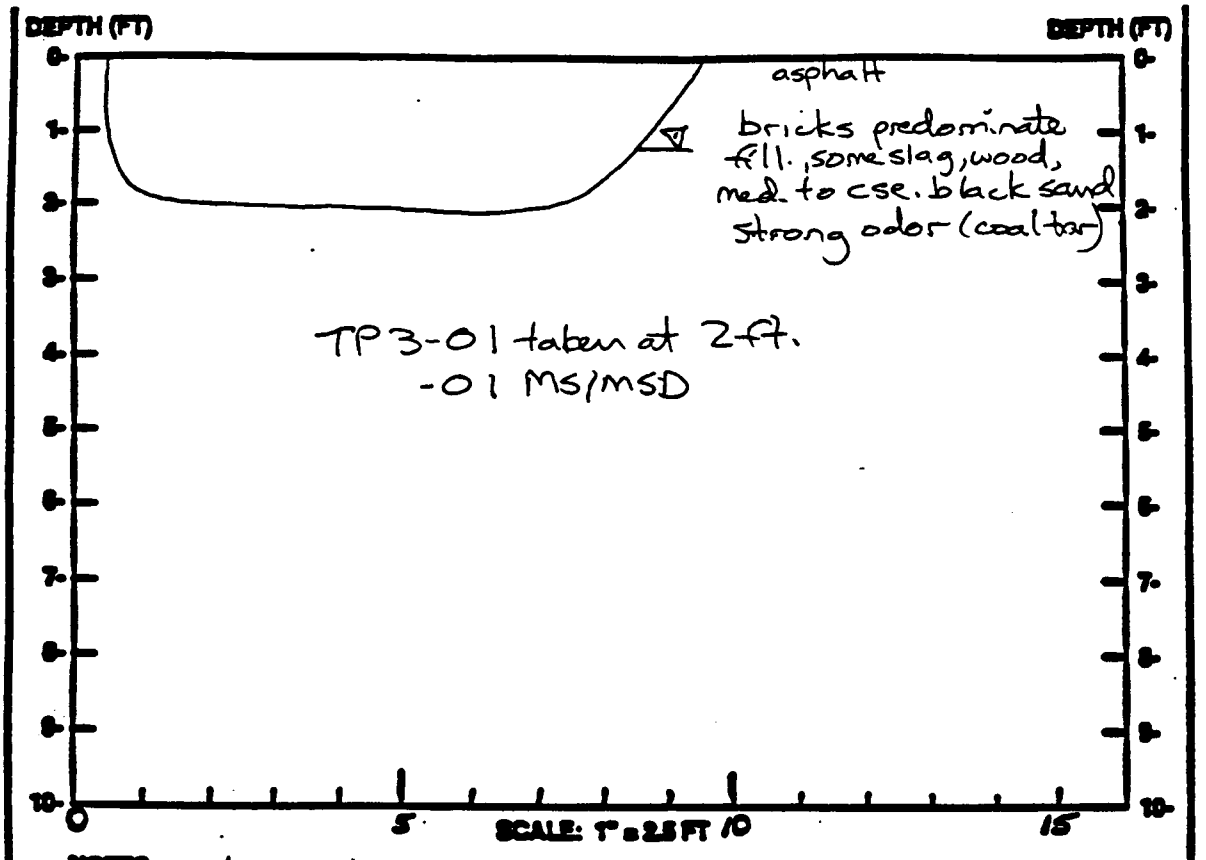
DEPTH (FT)	SOIL TYPE	HNu (ppm)

EBASCO SERVICES INCORPORATED		
DEPT _____ DATE _____ SCALE AS NOTED	APPROVED	TEST PIT RECORD PROFILE ALONG TEST PIT - #2

O'BRIEN & GERE ENGINEERS, INC.

Figure A.2-2

Test Pit Record



NOTES: water table at 1.5 ft.

DEPTH (FT)	SOIL TYPE	HNu (ppm)

EBASCO SERVICES INCORPORATED

DEPT _____
DATE _____
SCALE AS NOTED

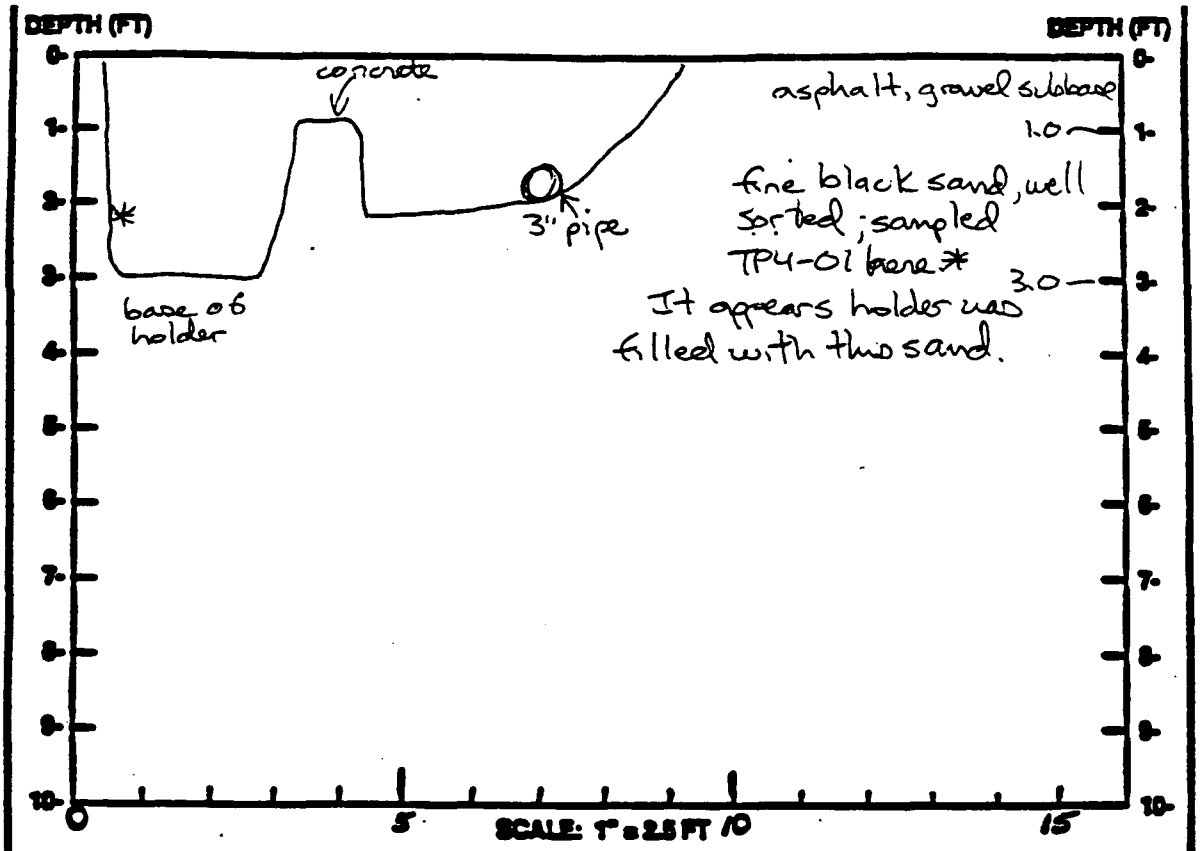
APPROVED

TEST PIT RECORD
PROFILE ALONG TEST PIT - #3

O'BRIEN & GERE ENGINEERS, INC.

Figure A.2-2

Test Pit Record



NOTES:

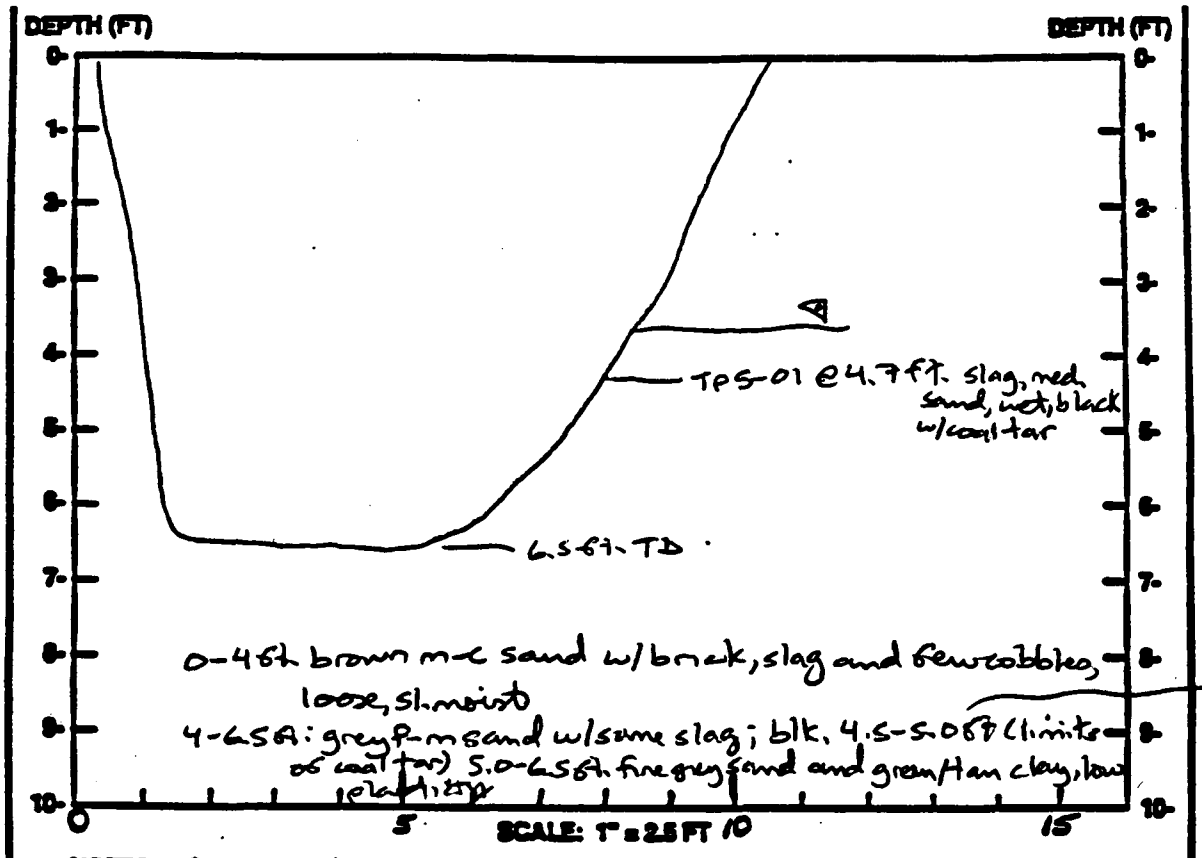
DEPTH (FT)	SOIL TYPE	HNu (ppm)

EBASCO SERVICES INCORPORATED		
DEPT ____ DATE ____ SCALE AS NOTED	APPROVED	TEST PIT RECORD PROFILE ALONG TEST PIT - #4

O'BRIEN & GERE ENGINEERS, INC.

Figure A.2-2

Test Pit Record



NOTES: This location is between TP4 and TP5 original location combined per Billy consultation.

DEPTH (FT)	SOIL TYPE	HNu (ppm)

EBASCO SERVICES INCORPORATED

DEPT ____
DATE ____
SCALE AS NOTED

APPROVED

TEST PIT RECORD
PROFILE ALONG TEST PIT - # 5

TP=4

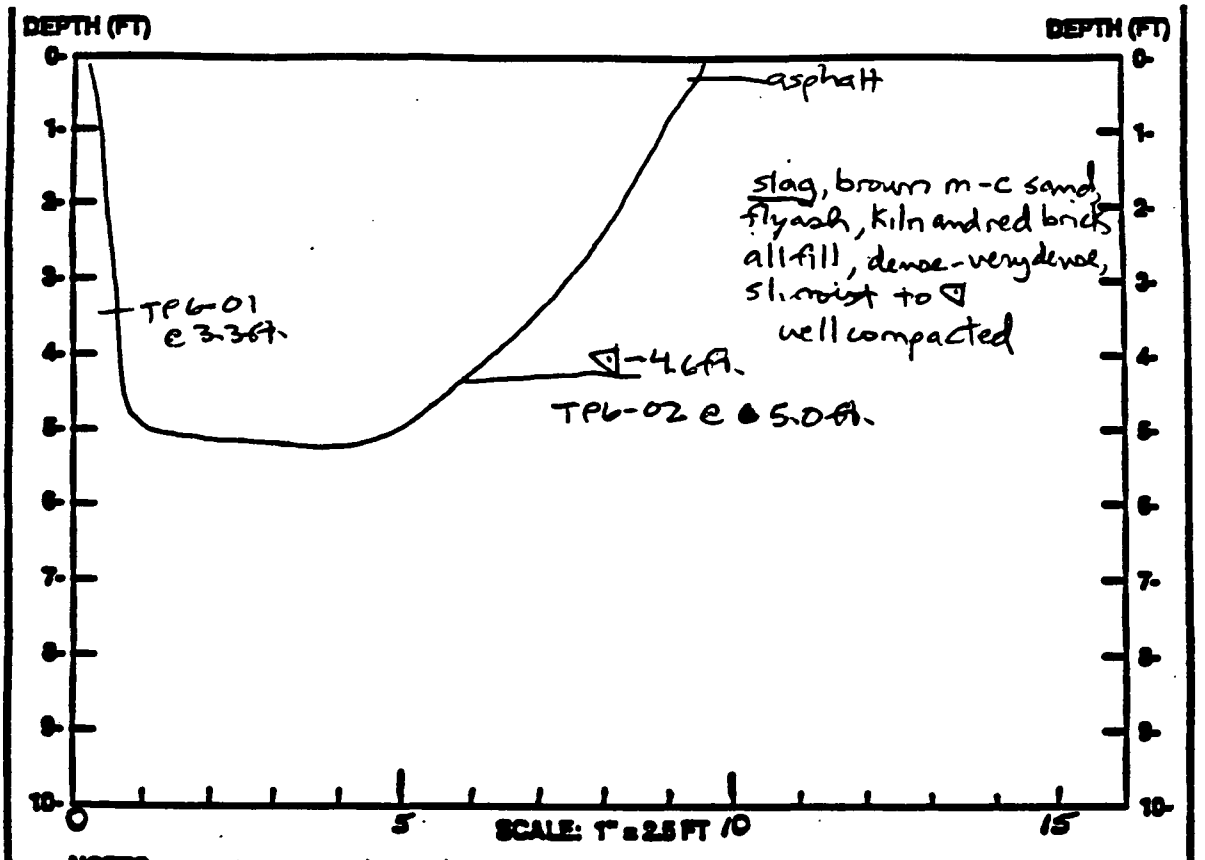
combined 4+5

original #5 location, moved due to collapse of trench and presence of rubble, possibly in old building foundation.

O'BRIEN & GERE ENGINEERS, INC.

Figure A.2-2

Test Pit Record



NOTES: water table at 4.6 ft.

DEPTH (FT)	SOIL TYPE	HNu (ppm)

EBASCO SERVICES INCORPORATED

DEPT _____
DATE _____
SCALE AS NOTED

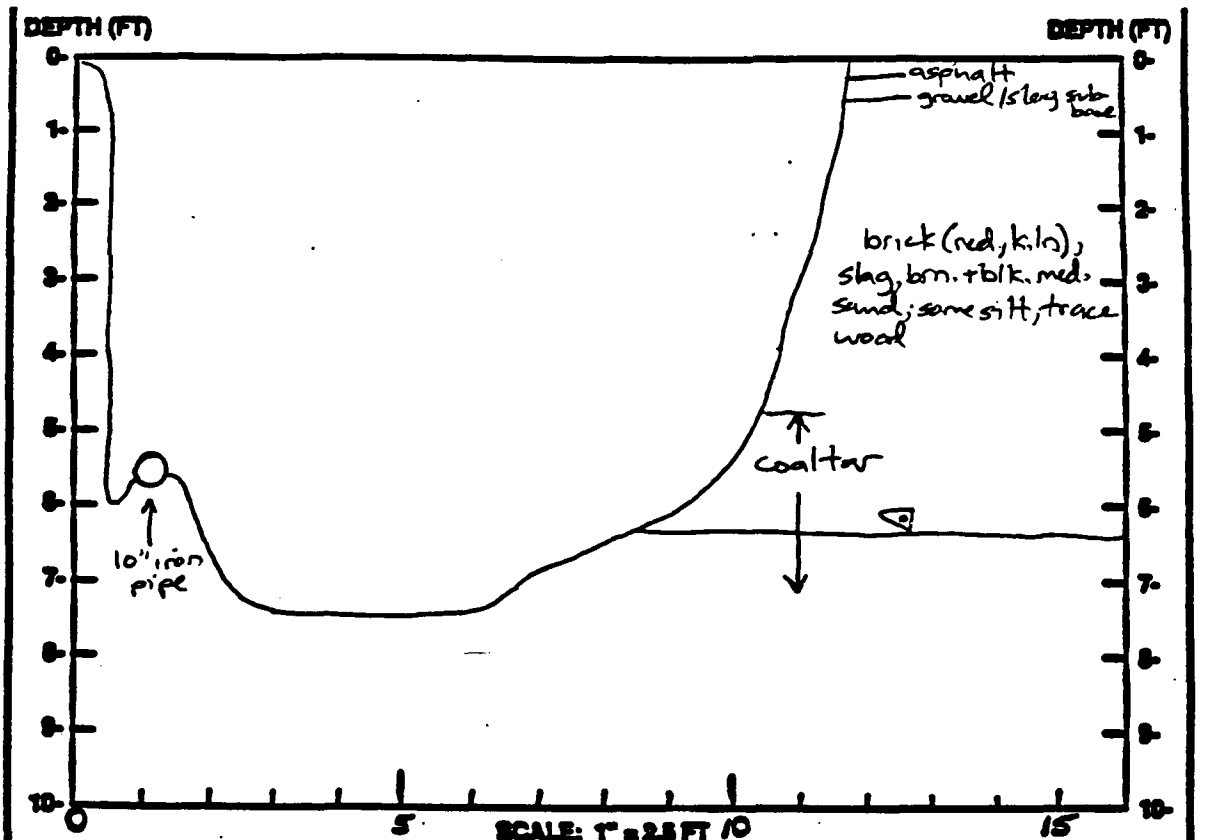
APPROVED

TEST PIT RECORD
PROFILE ALONG TEST PIT - #6

O'BRIEN & GERE ENGINEERS, INC.

Figure A.2-2

Test Pit Record



NOTES: water at 6.3 ft.

DEPTH (FT)	SOIL TYPE	HNu (ppm)

EBASCO SERVICES INCORPORATED

DEPT _____
DATE _____
SCALE AS NOTED

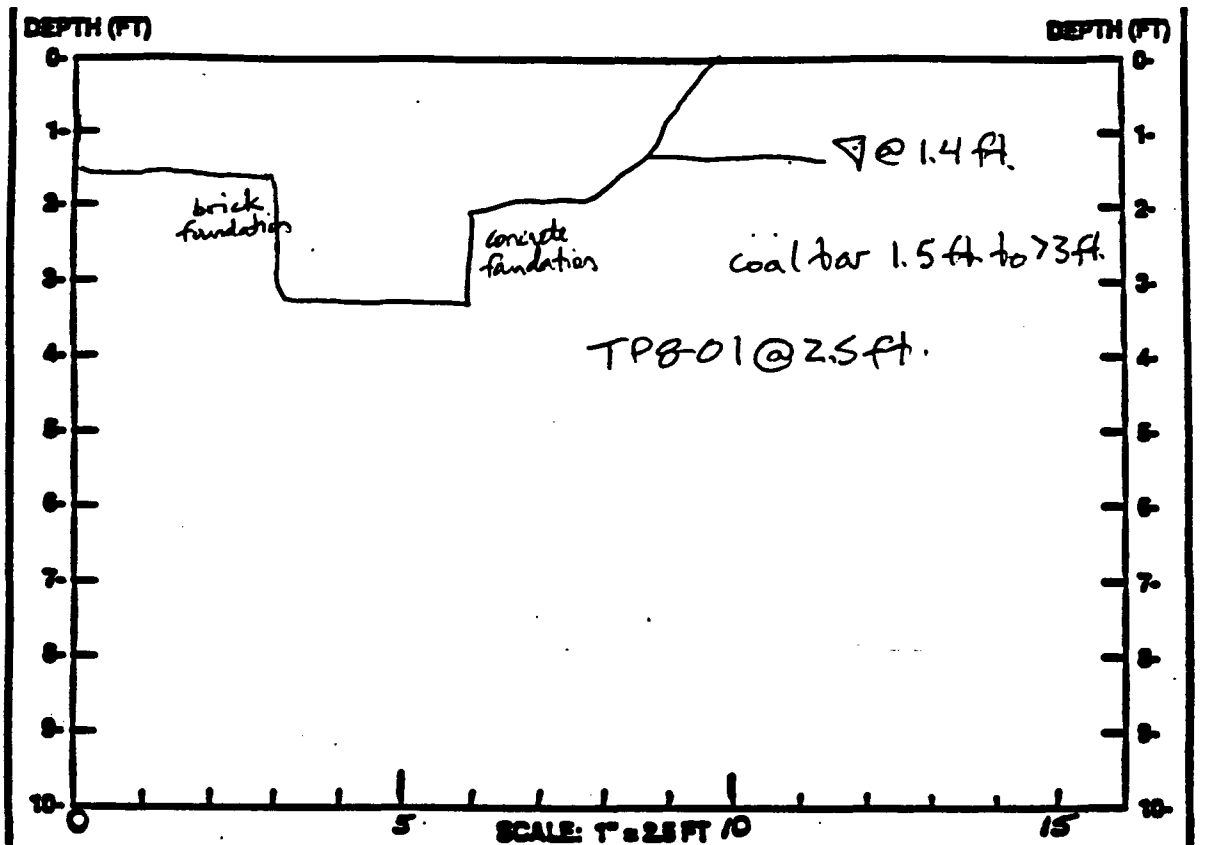
APPROVED

TEST PIT RECORD
PROFILE ALONG TEST PIT - #7

O'BRIEN & GERE ENGINEERS, INC.

Figure A.2-2

Test Pit Record



NOTES: 0-.6ft. asphalt + subbase
.6 to 1.9ft. brown med. sand gravel brick, cobbles then brown fine sand and silt w/ grey blk coal tar staining; brown floating product to bottom of trench

water at 1.4 ft.

DEPTH (FT)	SOIL TYPE	HNu (ppm)

EBASCO SERVICES INCORPORATED		
DEPT ____ DATE ____ SCALE AS NOTED	APPROVED	TEST PIT RECORD PROFILE ALONG TEST PIT - #8

O'BRIEN & GERE ENGINEERS, INC.

APPENDIX D

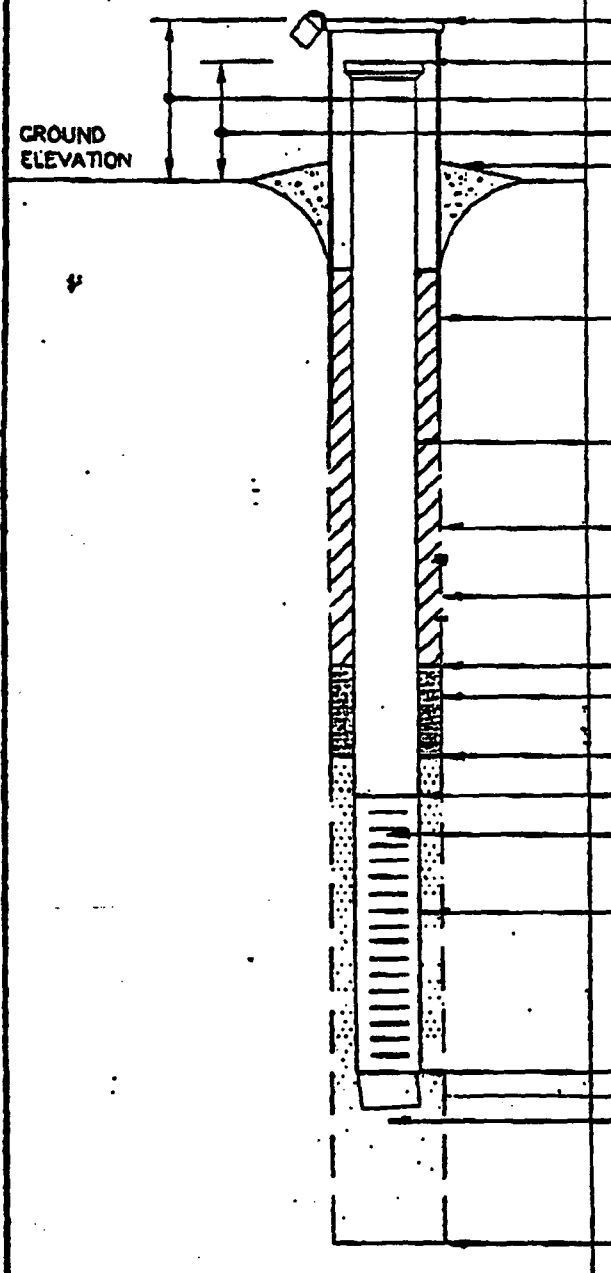
MONITORING WELL CONSTRUCTION DIAGRAMS

OVERBURDEN
MONITORING WELL SHEET

WELL NO. MW-1

PROJECT Niagara Mohawk
PROJECT NO. ____ BORING NO. MW-1
ELEVATION ____ DATE 2/8/94
FIELD GEOLOGIST K. MacGregor

DRILLER STB Drilling
DRILLING METHOD 4¼" HSA
DEVELOPMENT METHOD ____



ELEVATION OF TOP OF SURFACE CASING: ____
ELEVATION OF TOP OF RISER PIPE: ____
STICK-UP TOP OF SURFACE CASING: 2.5'
STICK-UP RISER PIPE: 2.0'
TYPE OF SURFACE SEAL: cement

I.D. OF SURFACE CASING: 4"x4" square
TYPE OF SURFACE CASING: steel guard pipe

RISER PIPE I.D. 2"
TYPE OF RISER PIPE: PVC

BOREHOLE DIAMETER: 8"

TYPE OF BACKFILL: —

ELEVATION/DEPTH TOP OF SEAL: 1.0'
TYPE OF SEAL: bentonite pellets

DEPTH TOP OF SAND PACK: 3.0'
ELEVATION/DEPTH TOP OF SCREEN: 5.0'
TYPE OF SCREEN: 2" PVC
SLOT SIZE X LENGTH: .010 X 15 feet
TYPE OF SAND PACK: Morie #0

ELEVATION/DEPTH BOTTOM OF SCREEN: 20.0'
bottom of sump (2½' long) - 22.5'
ELEVATION/DEPTH BOTTOM OF SAND PACK: 22.8'
TYPE OF BACKFILL BELOW OBSERVATION WELL: bentonite pellets

ELEVATION/DEPTH OF HOLE 24.25'

NOT TO SCALE

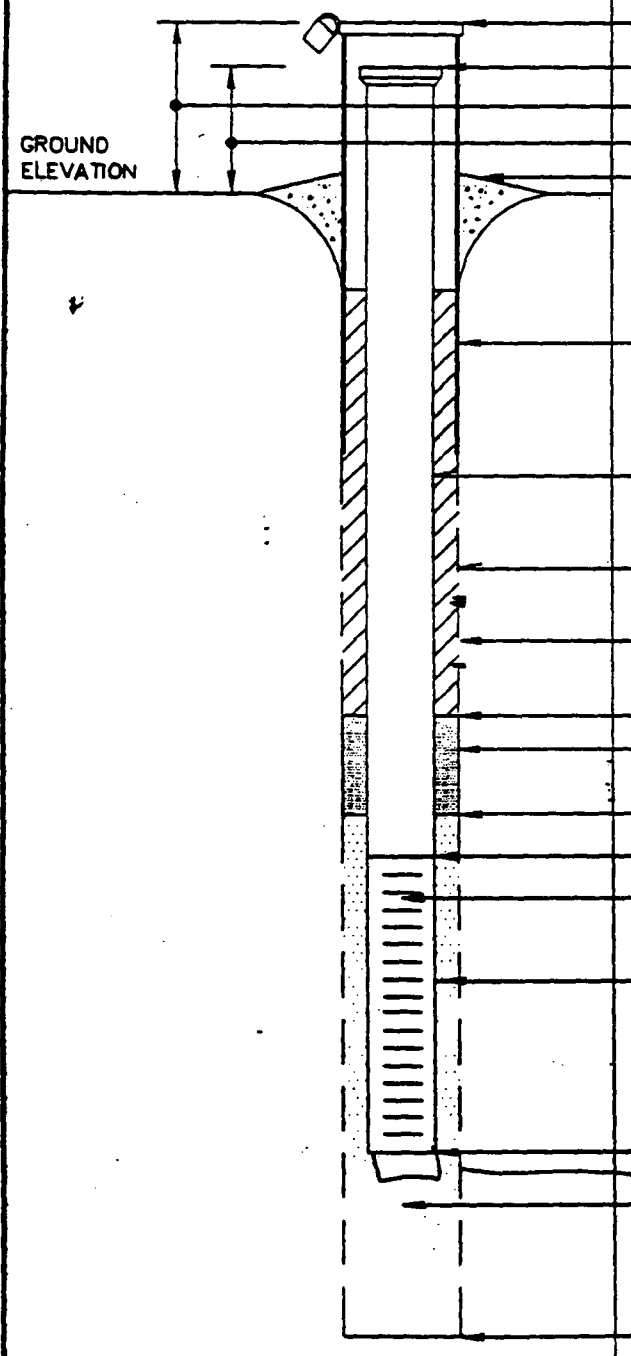
OVBDMW.DWG

OVERBURDEN MONITORING WELL SHEET

WELL NO. MW-2

PROJECT Niagra Mohawk
PROJECT NO. _____ BORING NO. MW-2
ELEVATION _____ DATE 9/9/94
FIELD GEOLOGIST K. MacGregor

DRILLER STB Drilling
DRILLING METHOD 4 1/4" HSA
DEVELOPMENT METHOD _____



ELEVATION OF TOP OF SURFACE CASING: _____
ELEVATION OF TOP OF RISER PIPE: _____
STICK-UP- TOP OF SURFACE CASING: flushmnt
STICK-UP- RISER PIPE: _____
TYPE OF SURFACE SEAL: cement

I.D. OF SURFACE CASING: 8"
TYPE OF SURFACE CASING: steel guard pipe.

RISER PIPE I.D. 2"
TYPE OF RISER PIPE: PVC

BOREHOLE DIAMETER: 8"

TYPE OF BACKFILL: —

ELEVATION/DEPTH TOP OF SEAL: 2.0'
TYPE OF SEAL: bentonite pellets

DEPTH TOP OF SAND PACK: 4.0'
ELEVATION/DEPTH TOP OF SCREEN: 6.0'
TYPE OF SCREEN: 2" PVC
SLOT SIZE X LENGTH: .010 X 15 feet
TYPE OF SAND PACK: Morie #0

ELEVATION/DEPTH BOTTOM OF SCREEN: 21.0'
bottom of sump (2.0' long) - 23.8
ELEVATION/DEPTH BOTTOM OF SAND PACK: 23.8
TYPE OF BACKFILL BELOW OBSERVATION WELL: —

ELEVATION/DEPTH OF HOLE 23.8'

NOT TO SCALE

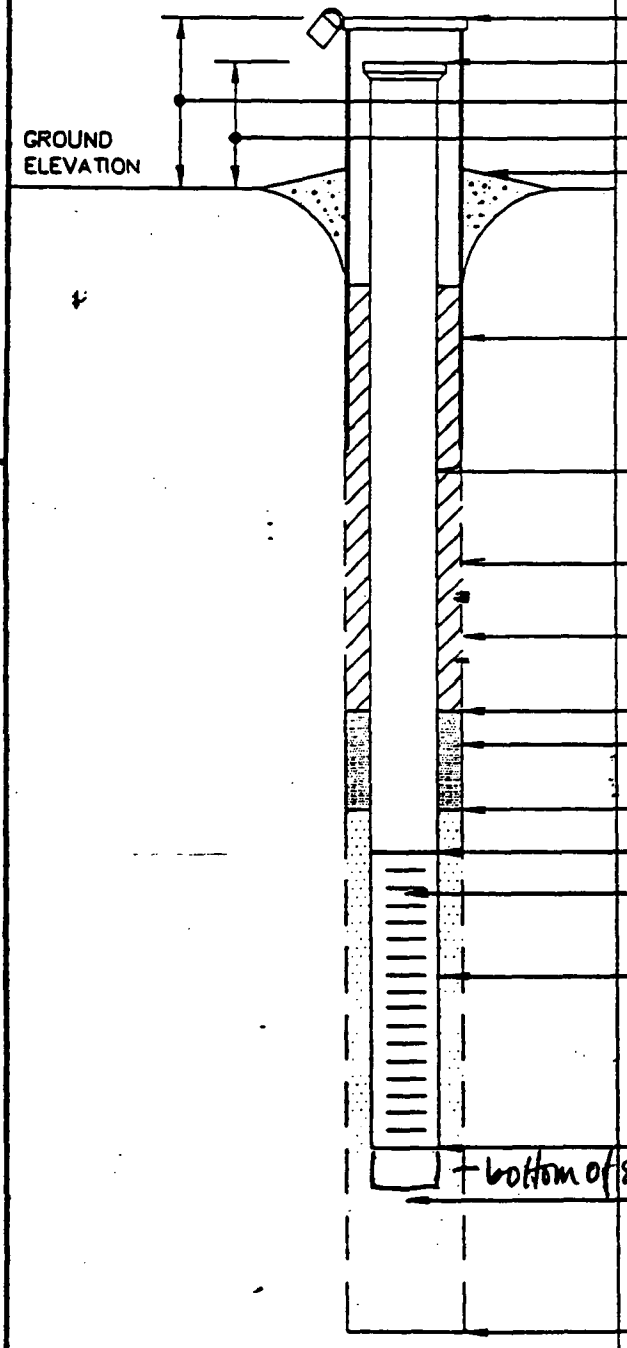
OVBDMW.DWG

OVERBURDEN MONITORING WELL SHEET

WELL NO. MW-3

PROJECT Niagara Mohawk - North Albany
PROJECT NO. ____ BORING NO. MW-3
ELEVATION ____ DATE 9/12/94
FIELD GEOLOGIST Kelly MacGregor

DRILLER SJB Drilling
DRILLING METHOD 4¼" HSA
DEVELOPMENT METHOD ____



ELEVATION OF TOP OF SURFACE CASING: ____
ELEVATION OF TOP OF RISER PIPE: ____
STICK-UP-TOP OF SURFACE CASING: Flush mt.
STICK-UP-RISER PIPE: ____
TYPE OF SURFACE SEAL: cement

I.D. OF SURFACE CASING: ____
TYPE OF SURFACE CASING: ~~Steel guard~~ pipe

RISER PIPE I.D. 2"
TYPE OF RISER PIPE: 2" PVC

BOREHOLE DIAMETER: 8"

TYPE OF BACKFILL: —

ELEVATION/DEPTH TOP OF SEAL: 0.5'
TYPE OF SEAL: bentonite pellets

DEPTH TOP OF SAND PACK: 2.5'
ELEVATION/DEPTH TOP OF SCREEN: 4.5'
TYPE OF SCREEN: 2" PVC
SLOT SIZE X LENGTH: .010 x 5'
TYPE OF SAND PACK: Morie #0

ELEVATION/DEPTH BOTTOM OF SCREEN: 9.5'
+ bottom of sump (2.8' long) = 12.3'
ELEVATION/DEPTH BOTTOM OF SAND PACK: 12.3'
TYPE OF BACKFILL BELOW OBSERVATION WELL: Bentonite pellets

ELEVATION/DEPTH OF HOLE 13.4'

NOT TO SCALE

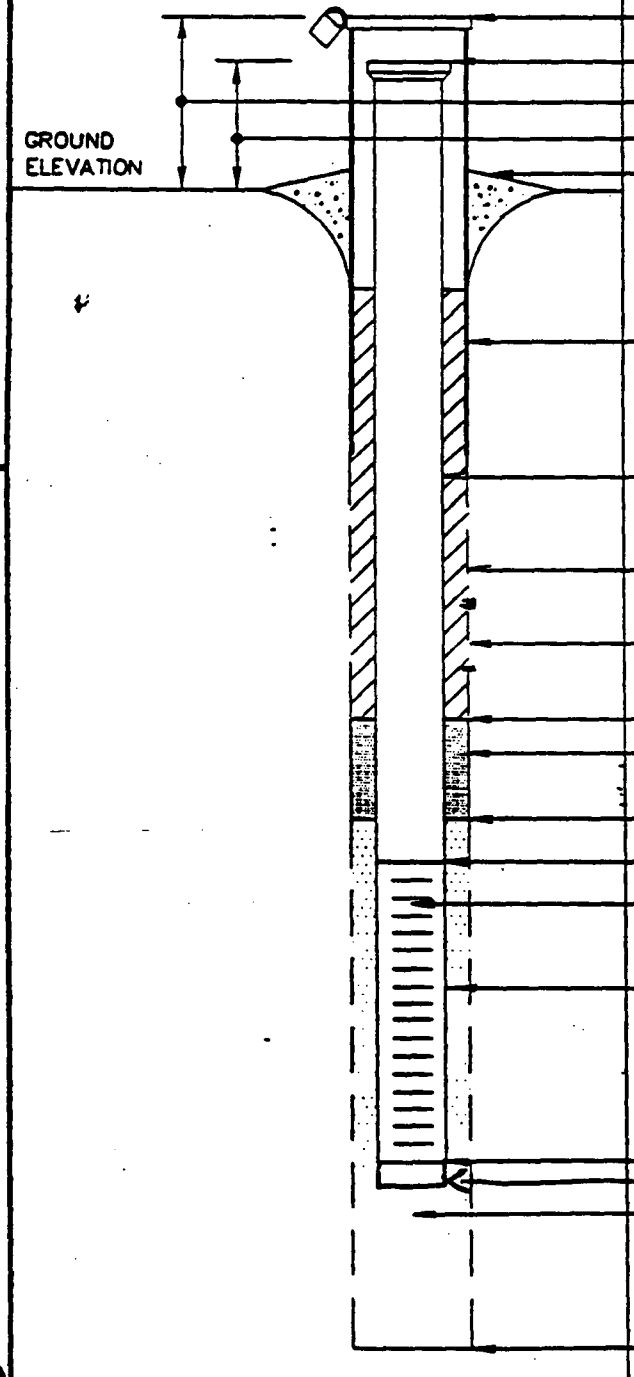
OVBDMW.DWG

OVERBURDEN
MONITORING WELL SHEET

WELL NO. MW-4

PROJECT Niagara Mohawk - North Albany
PROJECT NO. _____ BORING NO. MW-4
ELEVATION _____ DATE 9/28/94
FIELD GEOLOGIST K. MacGregor

DRILLER SJB Drilling
DRILLING METHOD 4 1/4" HSA
DEVELOPMENT METHOD _____



ELEVATION OF TOR OF SURFACE CASING: _____
ELEVATION OF TOP OF RISER PIPE: _____
STICK-UP- TOP OF SURFACE CASING: flush mt.
STICK-UP- RISER PIPE: _____
TYPE OF SURFACE SEAL: cement

I.D. OF SURFACE CASING: _____
TYPE OF SURFACE CASING: _____

RISER PIPE I.D. 2"
TYPE OF RISER PIPE: PVC

BOREHOLE DIAMETER: 8"

TYPE OF BACKFILL: —

ELEVATION/DEPTH TOP OF SEAL: 0.5'
TYPE OF SEAL: bentonite pellets

DEPTH TOP OF SAND PACK: 2.0'
ELEVATION/DEPTH TOP OF SCREEN: 3.0'
TYPE OF SCREEN: 2" PVC
SLOT SIZE X LENGTH: .010 X 10 feet
TYPE OF SAND PACK: Morie #0

ELEVATION/DEPTH BOTTOM OF SCREEN: 13.0'
bottom of sump - 15.8'
ELEVATION/DEPTH BOTTOM OF SAND PACK: 16.0'
TYPE OF BACKFILL BELOW OBSERVATION WELL: bentonite pellets

ELEVATION/DEPTH OF HOLE 18.0'

NOT TO SCALE

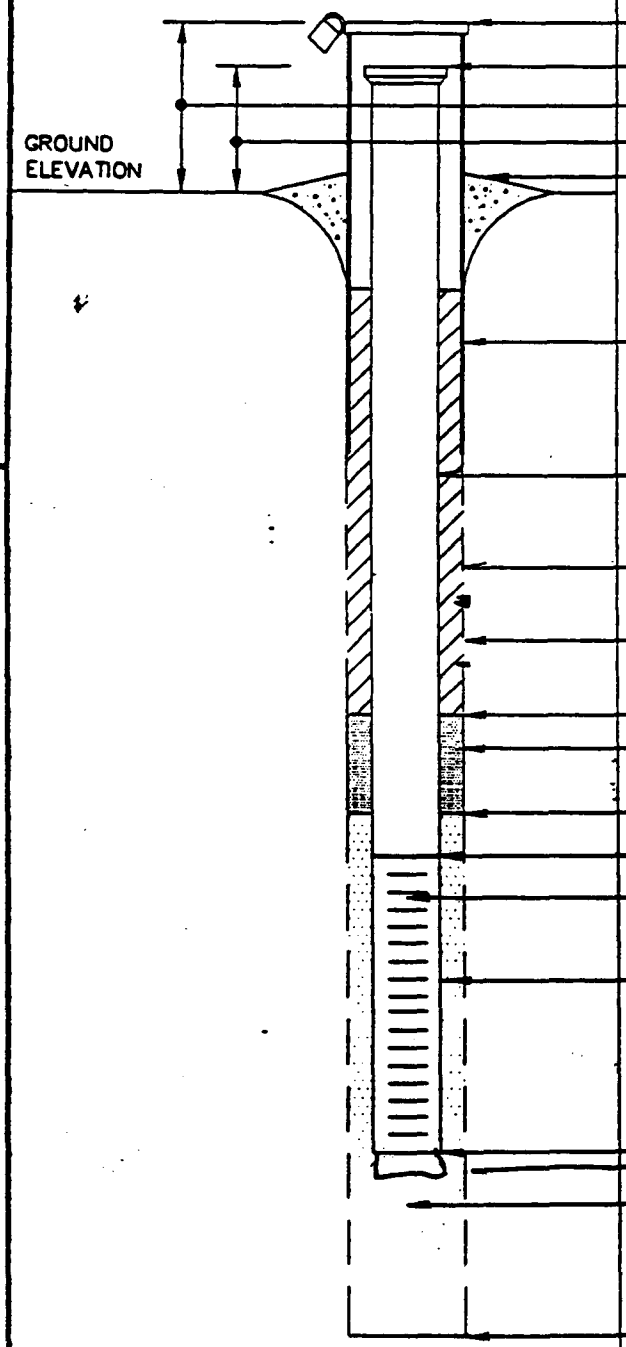
OVBDMW.DWG

OVERBURDEN
MONITORING WELL SHEET

WELL NO. MW-5

PROJECT Niagara Mohawk
PROJECT NO. ____ BORING NO. MW-5
ELEVATION ____ DATE 9/13/94
FIELD GEOLOGIST Kelly MacGregor

DRILLER SJB
DRILLING METHOD 4¼" HSA
DEVELOPMENT METHOD ____



ELEVATION OF TOP OF SURFACE CASING: ____
ELEVATION OF TOP OF RISER PIPE: ____
STICK-UP TOP OF SURFACE CASING: flush mt
STICK-UP RISER PIPE: ____
TYPE OF SURFACE SEAL: cement

I.D. OF SURFACE CASING: ____
TYPE OF SURFACE CASING: steel guard pipe

RISER PIPE I.D. 2"
TYPE OF RISER PIPE: PVC

BOREHOLE DIAMETER: 8"

TYPE OF BACKFILL: —

ELEVATION/DEPTH TOP OF SEAL: 0.5'
TYPE OF SEAL: bentonite pellets

DEPTH TOP OF SAND PACK: 2.0'
ELEVATION/DEPTH TOP OF SCREEN: 4.0'
TYPE OF SCREEN: 2" PVC
SLOT SIZE X LENGTH: .010 X 15'
TYPE OF SAND PACK: Morie #0

ELEVATION/DEPTH BOTTOM OF SCREEN: 19.0'
bottom of 2.8' sump = 21.8'
ELEVATION/DEPTH BOTTOM OF SAND PACK: 22.0'
TYPE OF BACKFILL BELOW OBSERVATION WELL: bentonite pellets

ELEVATION/DEPTH OF HOLE 24.4'

NOT TO SCALE

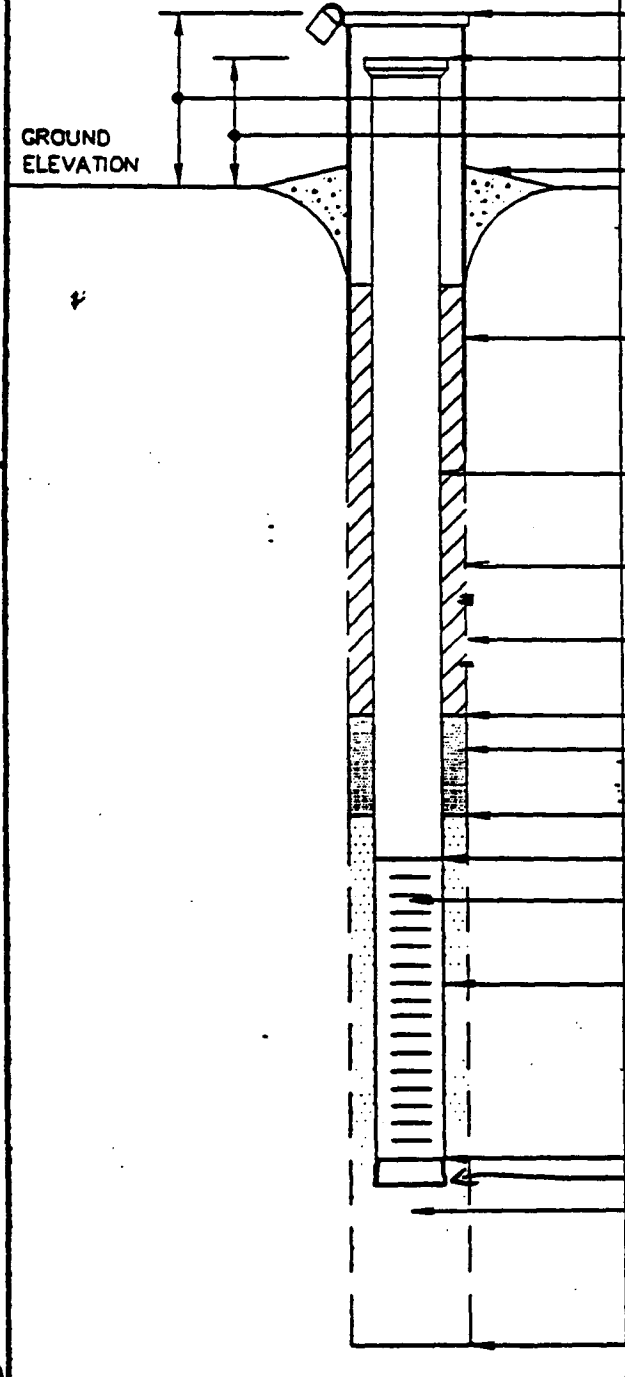
OVBDMW.DWG

WELL NO. MW-6

OVERBURDEN MONITORING WELL SHEET

PROJECT Niagara Mohawk - N. Albany
PROJECT NO. _____ BORING NO. MW-6
ELEVATION _____ DATE 9/27/94
FIELD GEOLOGIST JC MacGregor

DRILLER SJB Drilling
DRILLING METHOD 4 1/4" HSA
DEVELOPMENT METHOD _____



ELEVATION OF TOP OF SURFACE CASING: _____
ELEVATION OF TOP OF RISER PIPE: _____
STICK-UP TOP OF SURFACE CASING: flush mt.
STICK-UP RISER PIPE: _____
TYPE OF SURFACE SEAL: cement

I.D. OF SURFACE CASING: _____
TYPE OF SURFACE CASING: _____

RISER PIPE I.D. 2"
TYPE OF RISER PIPE: PVC

BOREHOLE DIAMETER: 8"

TYPE OF BACKFILL: —

ELEVATION/DEPTH TOP OF SEAL: 0.5'
TYPE OF SEAL: bentonite pellets

DEPTH TOP OF SAND PACK: 2.0'
ELEVATION/DEPTH TOP OF SCREEN: 3.0'
TYPE OF SCREEN: 2" PVC
SLOT SIZE X LENGTH: .010 X 15 feet
TYPE OF SAND PACK: Morie #0

ELEVATION/DEPTH BOTTOM OF SCREEN: 18.0'
bottom of sump - 20.0'
ELEVATION/DEPTH BOTTOM OF SAND PACK: 21.7'
TYPE OF BACKFILL BELOW OBSERVATION WELL: Sand

ELEVATION/DEPTH OF HOLE 21.7'
(augers to 20')

NOT TO SCALE

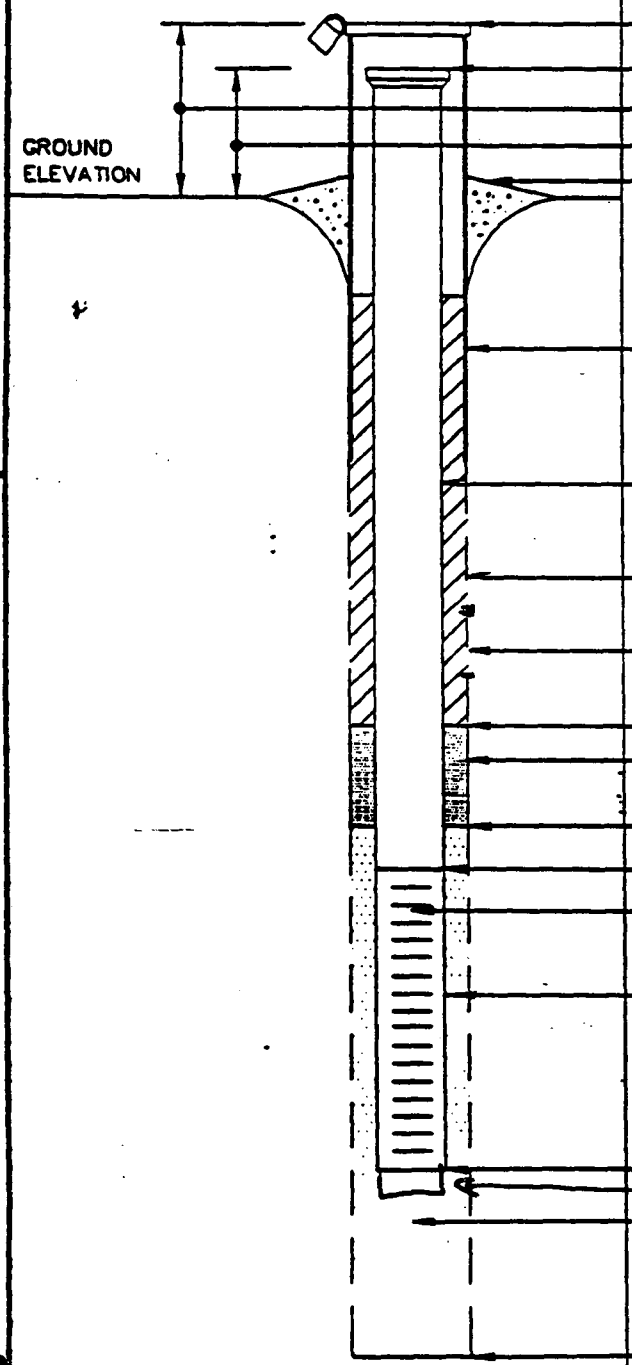
OVBDMW.DWG

OVERBURDEN
MONITORING WELL SHEET

WELL NO. MW-7

PROJECT Niagara Mohawk - N. Albany
PROJECT NO. _____ BORING NO. MW-7
ELEVATION _____ DATE 9/27/94
FIELD GEOLOGIST K. MacGregor

DRILLER STB Drilling
DRILLING METHOD 4¼" HSA
DEVELOPMENT METHOD _____



ELEVATION OF TOP OF SURFACE CASING: _____
ELEVATION OF TOP OF RISER PIPE: _____
STICK-UP TOP OF SURFACE CASING: flushmt
STICK-UP-RISER PIPE: _____
TYPE OF SURFACE SEAL: cement

I.D. OF SURFACE CASING: _____
TYPE OF SURFACE CASING: _____

RISER PIPE I.D. 2"
TYPE OF RISER PIPE: PVC

BOREHOLE DIAMETER: 8"

TYPE OF BACKFILL: —

ELEVATION/DEPTH TOP OF SEAL: 1.0'
TYPE OF SEAL: bentonite pellets

DEPTH TOP OF SAND PACK: 3.0'
ELEVATION/DEPTH TOP OF SCREEN: 4.0'
TYPE OF SCREEN: 2" PVC
SLOT SIZE X LENGTH: .010 X 10'
TYPE OF SAND PACK: Morie #0

ELEVATION/DEPTH BOTTOM OF SCREEN: 14.0'
bottom of sump - 16.8'
ELEVATION/DEPTH BOTTOM OF SAND PACK: 17.0'
TYPE OF BACKFILL BELOW OBSERVATION WELL: —

ELEVATION/DEPTH OF HOLE 17.0'

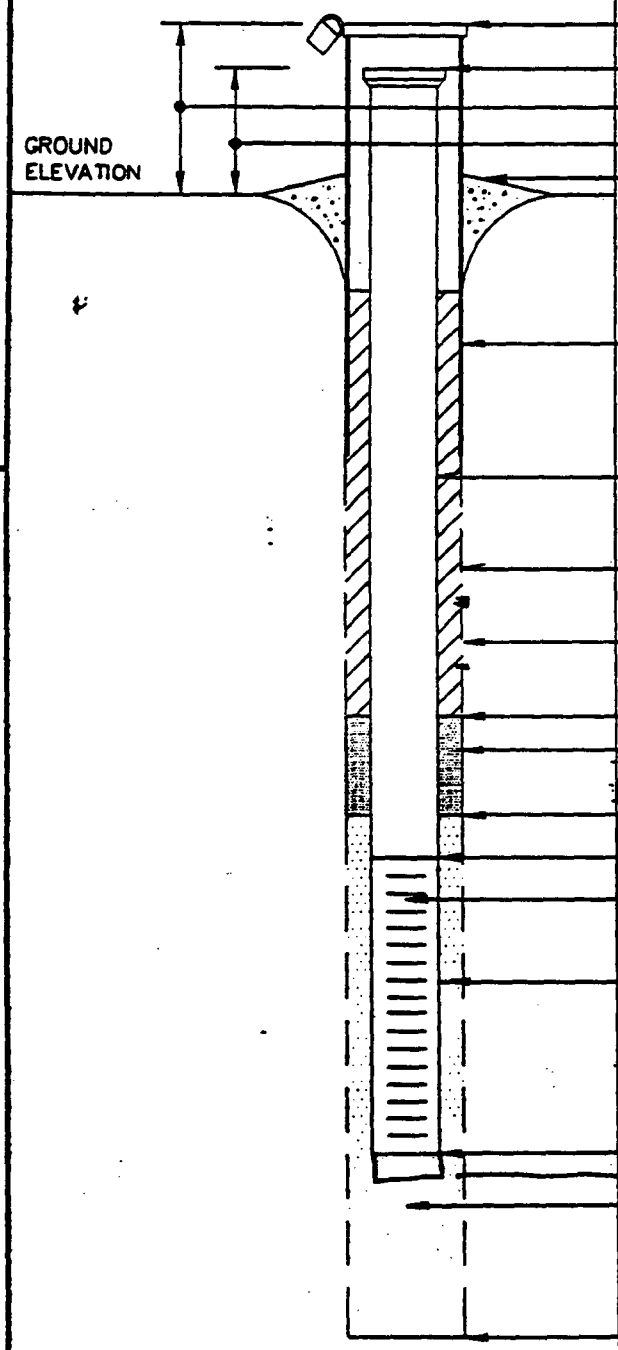
NOT TO SCALE

OVBDMW.DWG

OVERBURDEN MONITORING WELL SHEET

WELL NO. MW-8

PROJECT Niagara Mohawk - N. Albany	DRILLER SJB Drilling
PROJECT NO.	BORING NO. MW-8
ELEVATION	DATE 9/14/94
FIELD GEOLOGIST K. MacGregor	DRILLING METHOD 4 1/4" HSA
	DEVELOPMENT METHOD



ELEVATION OF TOP OF SURFACE CASING: _____

ELEVATION OF TOP OF RISER PIPE: _____

STICK-UP- TOP OF SURFACE CASING: flush mnt.

STICK-UP- RISER PIPE: _____

TYPE OF SURFACE SEAL: cement

I.D. OF SURFACE CASING: _____

TYPE OF SURFACE CASING: steel guard pipe

RISER PIPE I.D. _____

TYPE OF RISER PIPE: _____

BOREHOLE DIAMETER: 8"

TYPE OF BACKFILL: —

ELEVATION/DEPTH TOP OF SEAL: 0.5'

TYPE OF SEAL: bentonite pellets

DEPTH TOP OF SAND PACK: 2.0'

ELEVATION/DEPTH TOP OF SCREEN: 4.0'

TYPE OF SCREEN: 2" PVC

SLOT SIZE X LENGTH: .010 X 10'

TYPE OF SAND PACK: Morie #0

ELEVATION/DEPTH BOTTOM OF SCREEN: 14.0'

bottom of sump 16.8'

ELEVATION/DEPTH BOTTOM OF SAND PACK: 17.0'

TYPE OF BACKFILL BELOW OBSERVATION WELL: bentonite pellets

ELEVATION/DEPTH OF HOLE 20.9'

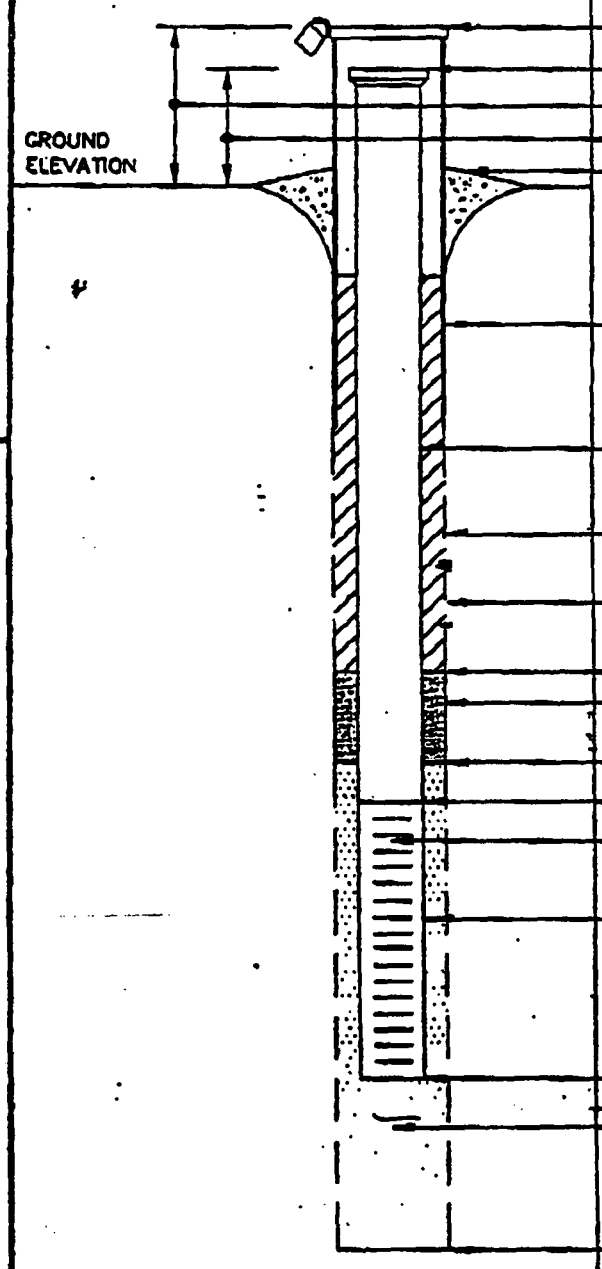
NOT TO SCALE

OVBDMW.DWG

WELL NO. MW-9

OVERBURDEN MONITORING WELL SHEET

PROJECT Niagra Mohawk - North Albany	DRILLER SJB Drilling
PROJECT NO.	BORING NO. MW-9
ELEVATION	DATE 9/7/94
FIELD GEOLOGIST K. MacGregor	DRILLING METHOD 4¼" HSA
	DEVELOPMENT METHOD



NOT TO SCALE

ELEVATION OF TOP OF SURFACE CASING: _____

ELEVATION OF TOP OF RISER PIPE: _____

STICK-UP-TOP OF SURFACE CASING: flush mt

STICK-UP-RISER PIPE: _____

TYPE OF SURFACE SEAL: cement

I.D. OF SURFACE CASING: _____

TYPE OF SURFACE CASING: _____

RISER PIPE I.D. 2"

TYPE OF RISER PIPE: PVC

BOREHOLE DIAMETER: 8"

TYPE OF BACKFILL: cement bentonite grout.

ELEVATION/DEPTH TOP OF SEAL: 4'

TYPE OF SEAL: bentonite pellets

DEPTH TOP OF SAND PACK: 6'

ELEVATION/DEPTH TOP OF SCREEN: 8'

TYPE OF SCREEN: 2" PVC

SLOT SIZE X LENGTH: 10' X .010

TYPE OF SAND PACK: Morie #0

ELEVATION/DEPTH BOTTOM OF SCREEN: 18'

depth of sump. - 20'

ELEVATION/DEPTH BOTTOM OF SAND PACK: 20'

TYPE OF BACKFILL BELOW OBSERVATION WELL: _____

ELEVATION/DEPTH OF HOLE 20.1'

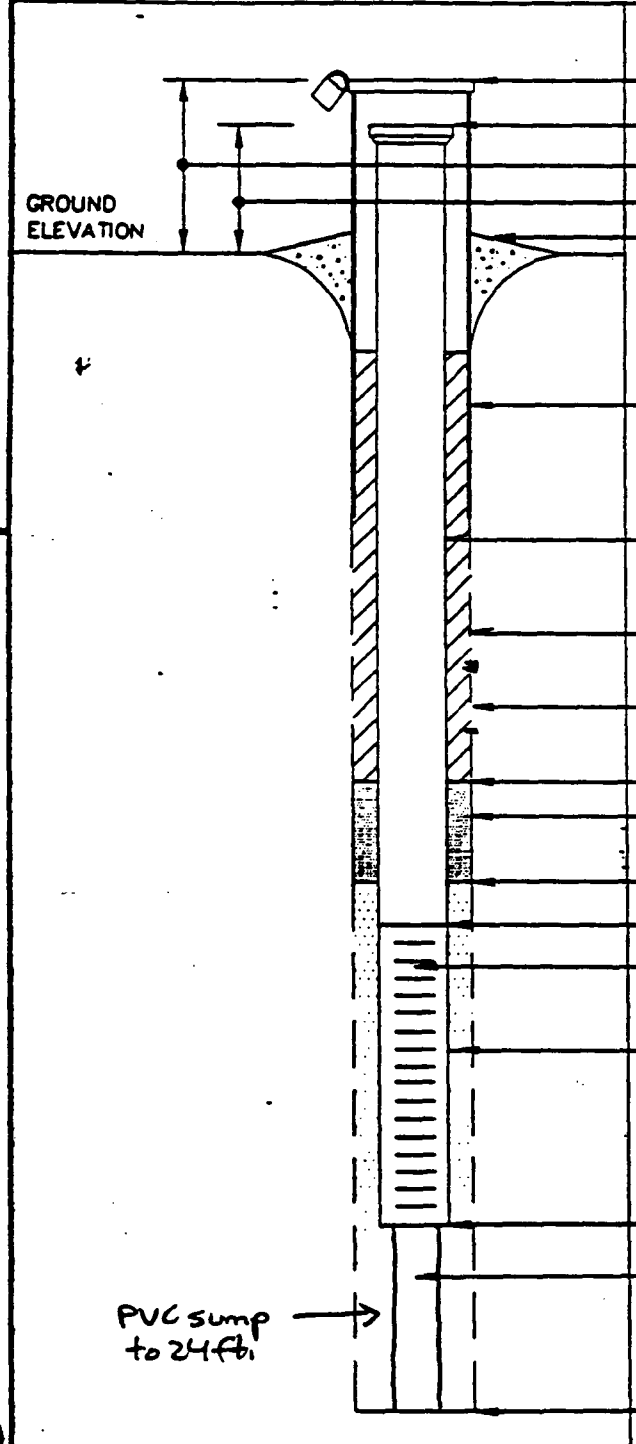
OVBDMW.DWG

OVERBURDEN MONITORING WELL SHEET

WELL NO. MW-10

PROJECT NMPC-N. Alloway Fmr. MGP Site
PROJECT NO. _____ BORING NO. MW10
ELEVATION _____ DATE 9-20-94
FIELD GEOLOGIST Paul Andersen

DRILLER B. Steffy, SJB Services
DRILLING METHOD hollow stem auger
DEVELOPMENT METHOD pump/surge



ELEVATION OF TOP OF SURFACE CASING: _____
ELEVATION OF TOP OF RISER PIPE: _____
STICK-UP TOP OF SURFACE CASING: NA
STICK-UP RISER PIPE: NA Flush
TYPE OF SURFACE SEAL: concrete

I.D. OF SURFACE CASING: 8"
TYPE OF SURFACE CASING: flush mount gate box

RISER PIPE I.D. 2"
TYPE OF RISER PIPE: sch. 40 PVC

BOREHOLE DIAMETER: 7 3/4"

TYPE OF BACKFILL: N.A

ELEVATION/DEPTH TOP OF SEAL: 1.0 ft.
TYPE OF SEAL: bentonite pellets

DEPTH TOP OF SAND PACK: 3.5 ft.
ELEVATION/DEPTH TOP OF SCREEN: 6 ft.
TYPE OF SCREEN: 2", sch. 40 PVC
SLOT SIZE X LENGTH: .020 x 15 ft.
TYPE OF SAND PACK: Morie #0

ELEVATION/DEPTH BOTTOM OF SCREEN: 21.2 ft.
ELEVATION/DEPTH BOTTOM OF SAND PACK: 24 ft.
TYPE OF BACKFILL BELOW OBSERVATION WELL: bedrock

ELEVATION/DEPTH OF HOLE 24 ft.

NOT TO SCALE

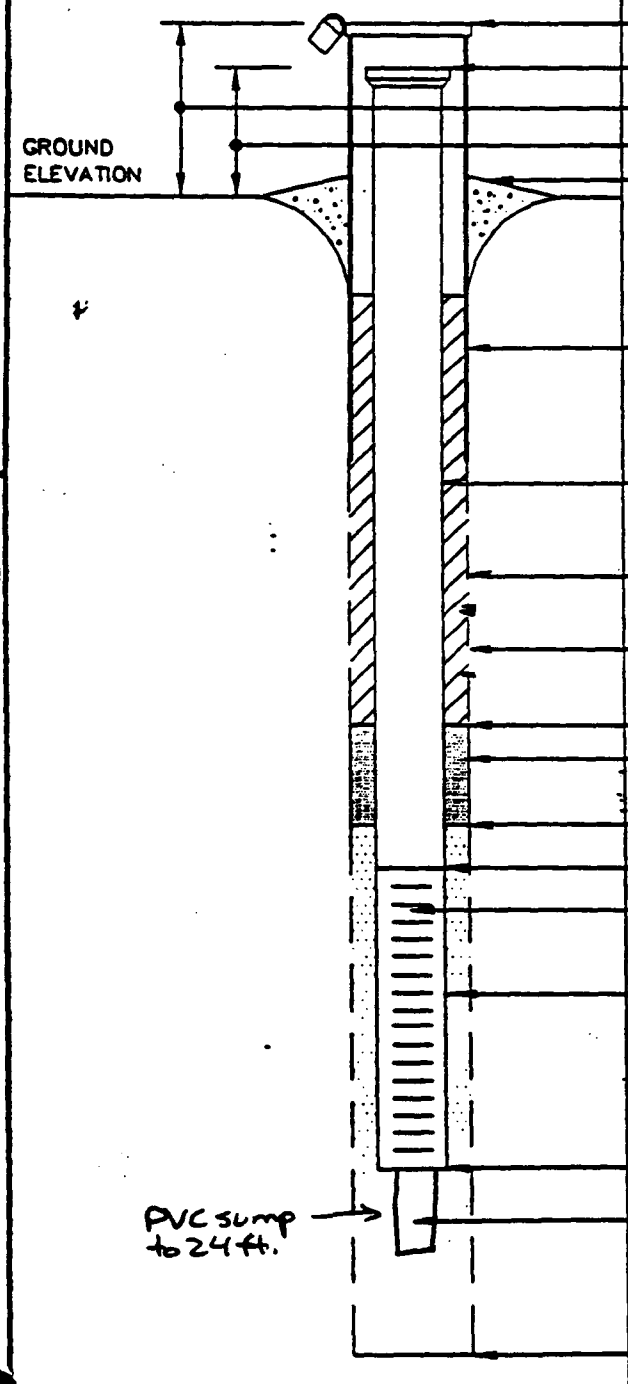
OVBDMW.DWG

OVERBURDEN MONITORING WELL SHEET

WELL NO. MW-11

PROJECT NMPC- No. Albany Fmr. MGP Site
PROJECT NO. ____ BORING NO. MW11
ELEVATION ____ DATE 9-21-94
FIELD GEOLOGIST Paul Anderson

DRILLER B Steffy, SJB Services
DRILLING METHOD hollow stem auger
DEVELOPMENT METHOD pump/surge



ELEVATION OF TOP OF SURFACE CASING: ____
ELEVATION OF TOP OF RISER PIPE: ____
STICK-UP-TOP OF SURFACE CASING: NA
STICK-UP-RISER PIPE: NA
TYPE OF SURFACE SEAL: concrete
I.D. OF SURFACE CASING: 8"
TYPE OF SURFACE CASING: flush mount gate box
RISER PIPE I.D. 2"
TYPE OF RISER PIPE: sch. 40, PVC
BOREHOLE DIAMETER: 7 3/4"
TYPE OF BACKFILL: NA
ELEVATION/DEPTH TOP OF SEAL: 1 ft.
TYPE OF SEAL: bentonite pellets
DEPTH TOP OF SAND PACK: 4 ft.
ELEVATION/DEPTH TOP OF SCREEN: 6 ft.
TYPE OF SCREEN: 2", sch. 40 PVC
SLOT SIZE X LENGTH: .010 x 15 ft.
TYPE OF SAND PACK: Morie #0
ELEVATION/DEPTH BOTTOM OF SCREEN: 21 ft.
ELEVATION/DEPTH BOTTOM OF SAND PACK: 24 ft.
TYPE OF BACKFILL BELOW OBSERVATION WELL: bentonite pellets
ELEVATION/DEPTH OF HOLE 38 ft.

NOT TO SCALE

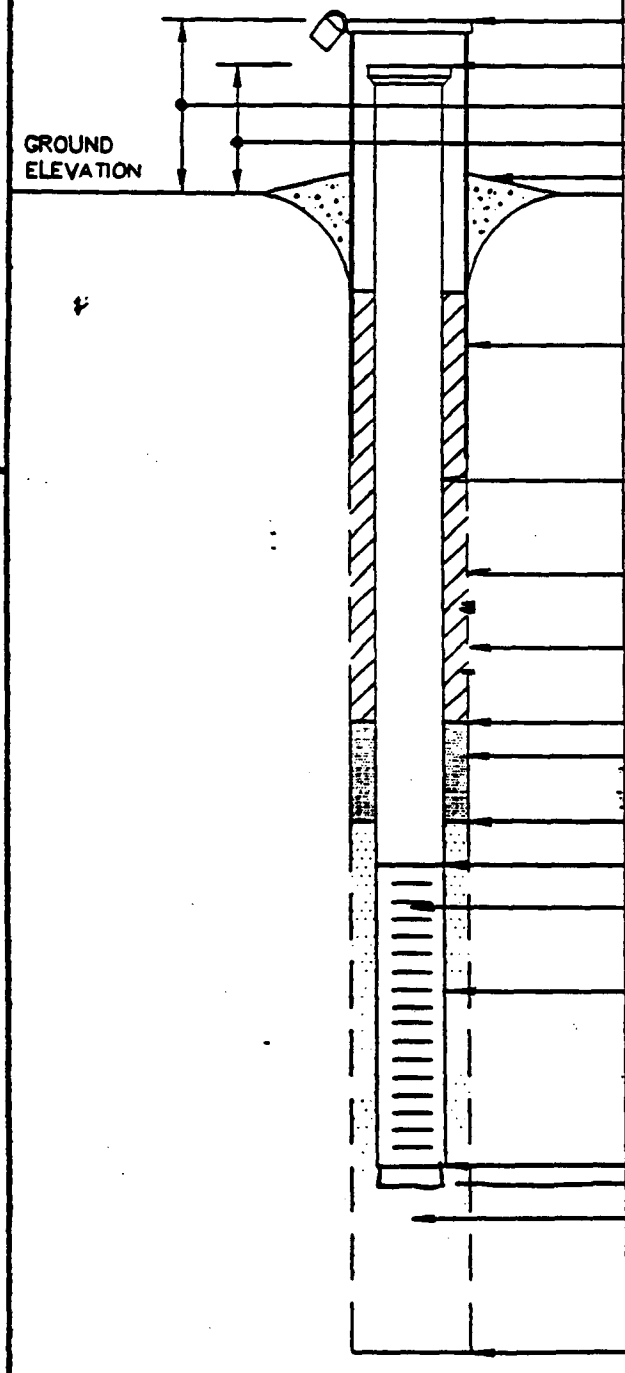
OVBDMW.DWG

OVERBURDEN MONITORING WELL SHEET

WELL NO. MW-12

PROJECT Niagara Mohawk - N. Albany, NY
PROJECT NO. _____ BORING NO. MW-12
ELEVATION _____ DATE 10/3/94
FIELD GEOLOGIST K. MacGregor

DRILLER SIB
DRILLING METHOD 4 1/4" HSA
DEVELOPMENT METHOD _____



ELEVATION OF TOP OF SURFACE CASING: _____
ELEVATION OF TOP OF RISER PIPE: _____
STICK-UP-TOP OF SURFACE CASING: _____
STICK-UP-RISER PIPE: _____
TYPE OF SURFACE SEAL: cement sticky

I.D. OF SURFACE CASING: _____
TYPE OF SURFACE CASING: _____

RISER PIPE I.D. 2"
TYPE OF RISER PIPE: PVC

BOREHOLE DIAMETER: 8"

TYPE OF BACKFILL: cement/bentonite grout

ELEVATION/DEPTH TOP OF SEAL: 8.0'
TYPE OF SEAL: bentonite pellets

DEPTH TOP OF SAND PACK: 10.0'
ELEVATION/DEPTH TOP OF SCREEN: 12.0'
TYPE OF SCREEN: 2" PVC
SLOT SIZE X LENGTH: .010 X 10 feet
TYPE OF SAND PACK: Morie #0

ELEVATION/DEPTH BOTTOM OF SCREEN: 22.0'
bottom of sump - 24.8'
ELEVATION/DEPTH BOTTOM OF SAND PACK: 25.3'
TYPE OF BACKFILL BELOW OBSERVATION WELL: gravel

ELEVATION/DEPTH OF HOLE 25.3'

NOT TO SCALE

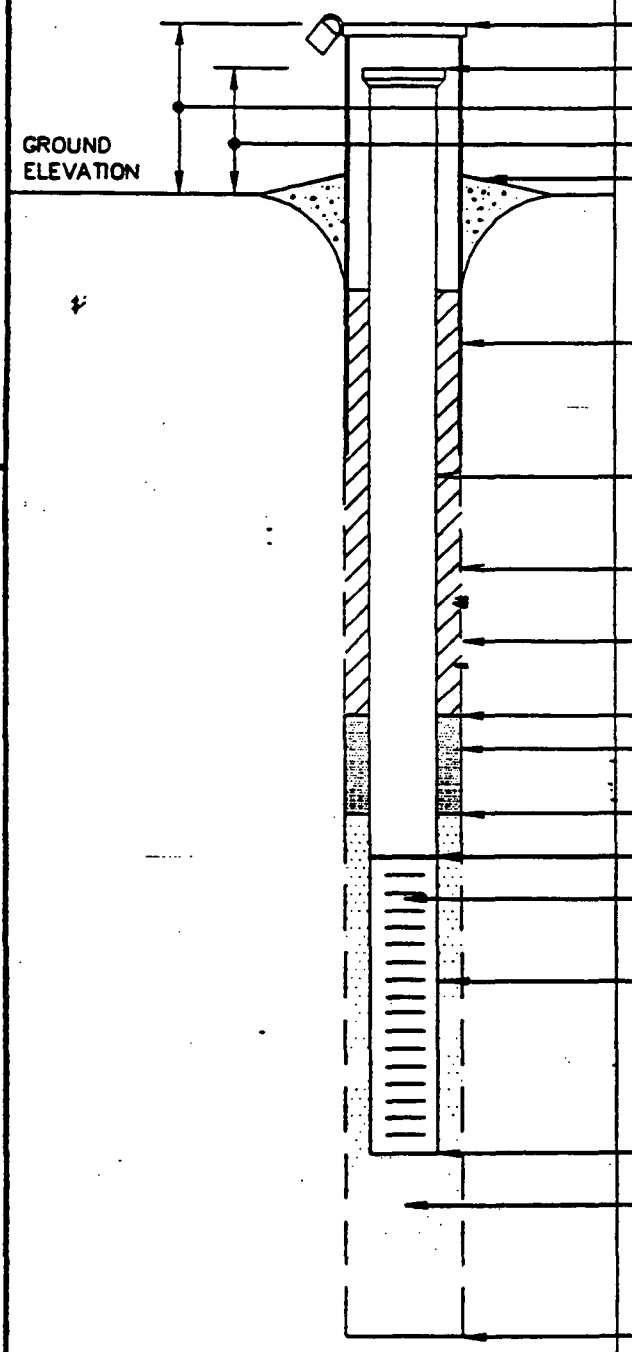
OVBDMW.DWG

OVERBURDEN
MONITORING WELL SHEET

WELL NO. MW-13

PROJECT Niagara Mohawk - N. Albany
PROJECT NO. _____ BORING NO. MW-13
ELEVATION _____ DATE 9/16/94
FIELD GEOLOGIST Kelly MacGregor

DRILLER SJB
DRILLING METHOD 4 1/4" HSA
DEVELOPMENT METHOD _____



ELEVATION OF TOP OF SURFACE CASING: _____
ELEVATION OF TOP OF RISER PIPE: _____
STICK-UP TOP OF SURFACE CASING: _____
STICK-UP RISER PIPE: 2.0' sticky
TYPE OF SURFACE SEAL: cement

I.D. OF SURFACE CASING: _____
TYPE OF SURFACE CASING: _____

RISER PIPE I.D. _____
TYPE OF RISER PIPE: _____

BOREHOLE DIAMETER: 8"

TYPE OF BACKFILL: —

ELEVATION/DEPTH TOP OF SEAL: 0.5'
TYPE OF SEAL: bentonite pellets

DEPTH TOP OF SAND PACK: 2.0'
ELEVATION/DEPTH TOP OF SCREEN: 4.0'
TYPE OF SCREEN: 2" PVC
SLOT SIZE X LENGTH: .010 X 15 feet
TYPE OF SAND PACK: Morie #0

ELEVATION/DEPTH BOTTOM OF SCREEN: 19.0'
ELEVATION/DEPTH BOTTOM OF SAND PACK: _____
TYPE OF BACKFILL BELOW OBSERVATION WELL: bentonite pellets

ELEVATION/DEPTH OF HOLE 25.75'

NOT TO SCALE

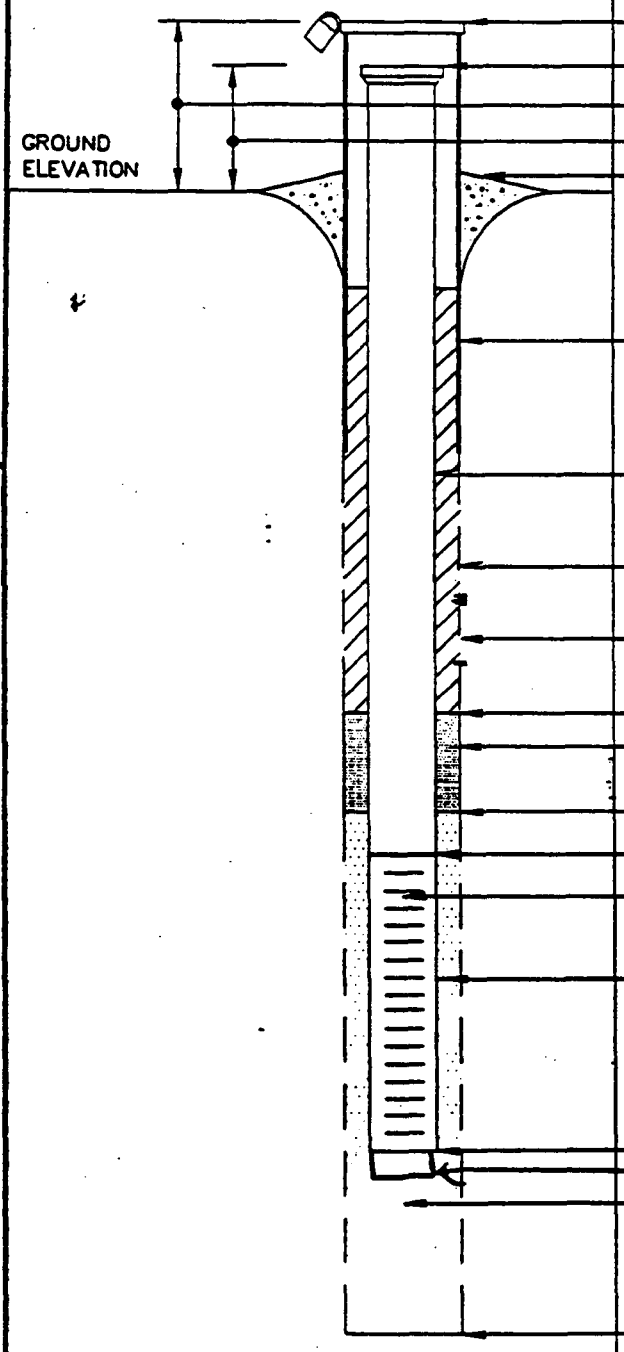
OVBOMW.DWG

OVERBURDEN
MONITORING WELL SHEET

WELL NO. MW-14

PROJECT Niagara Mohawk - N. Albany
PROJECT NO. _____ BORING NO. MW-14
ELEVATION _____ DATE 9/23 - 9/26/94
FIELD GEOLOGIST P Anderson / V MacGregor

DRILLER STB Drilling
DRILLING METHOD 4¼" HSA
DEVELOPMENT METHOD _____



ELEVATION OF TOP OF SURFACE CASING: _____
ELEVATION OF TOP OF RISER PIPE: _____
STICK-UP-TOP OF SURFACE CASING: flushmt
STICK-UP-RISER PIPE: _____
TYPE OF SURFACE SEAL: cement

I.D. OF SURFACE CASING: _____
TYPE OF SURFACE CASING: _____

RISER PIPE I.D. 2"
TYPE OF RISER PIPE: PVC

BOREHOLE DIAMETER: 8"

TYPE OF BACKFILL: cement/bentonite grout. 9.0'
ELEVATION/DEPTH TOP OF SEAL:
TYPE OF SEAL: bentonite pellets, then bentonite slurry (on top.) 13.0'
DEPTH TOP OF SAND PACK: 14.2'
ELEVATION/DEPTH TOP OF SCREEN:
TYPE OF SCREEN: 2" PVC
SLOT SIZE X LENGTH: .010 X 5 feet
TYPE OF SAND PACK: Morie #0

ELEVATION/DEPTH BOTTOM OF SCREEN: 19.2'
bottom of sump - 22.0'
ELEVATION/DEPTH BOTTOM OF SAND PACK: 22.0'
TYPE OF BACKFILL BELOW OBSERVATION WELL: —
ELEVATION/DEPTH OF HOLE 22.0'

NOT TO SCALE

DVBDMW.DWG

APPENDIX E

ANALYTICAL DATA

APPENDIX E - LIST OF ANALYTICAL RESULT TABLES

TABLE E-1
NYSDEC RECOMMENDED GUIDANCE LEVELS FOR SOIL AND GROUNDWATER

DETECTED CONSTITUENTS	GROUNDWATER STANDARD[1,3] (ppb or ug/L)	SOIL CLEANUP LEVEL[2,3] (ppm or mg/kg)
Volatile Organics		
Methylene Chloride	5	0.1
Acetone	50	0.2
Carbon Disulfide	5[4]	2.7
1,1-Dichloroethane	5	0.2
Chloroform	7	0.3
2-Butanone	5[4]	0.3
Trichloroethene	5	0.7
Benzene	0.7	0.06
Tetrachloroethene	5	1.4
1,1,2,2-Tetrachloroethane	5	0.6
Toluene	5	1.5
Ethylbenzene	5	5.5
Styrene	5	NC[5]
Xylene (total)	5	1.2
Semi-Volatile Organics		
Phenol	1[6]	0.03
4-Methylphenol	1[6]	0.9
Nitrobenzene	5	0.2
2,4-Dimethylphenol	1[6]	50[7]
Naphthalene	10	13
2-Methylnaphthalene	NC	36.4
Acenaphthylene	NC	41
Acenaphthene	20	50
Dibenzofuran	NC	6.2
Diethylphthalate	50	7.1
Fluorene	50	50
N-Nitrosodiphenylamine	50	50[7]
Phenanthrene	50	50
Anthracene	50	50
Carbazole	NC	50[7]
Fluoranthene	50	50
Pyrene	50	50
Butylbenzylphthalate	50	50
Benzo(a)anthracene	0.002	0.224
Chrysene	0.002	0.4
bis(2-Ethylhexyl)phthalate	50	50
Di-n-octylphthalate	50	50[7]
Benzo(b)fluoranthene	0.002	1.1
Benzo(k)fluoranthene	0.002	1.1
Benzo(a)pyrene	> ND	0.061
Indeno(1,2,3-cd)pyrene	0.002	3.2
Dibenzo(a,h)anthracene	NC	0.014
Benzo(g,h,i)perylene	NC	50
Pesticides/PCBs		
alpha-BHC	> ND	0.11
beta-BHC	> ND	0.20
gamma-BHC (Lindane)	> ND	0.060

TABLE E-1
NYSDEC RECOMMENDED GUIDANCE LEVELS FOR SOIL AND GROUNDWATER

DETECTED CONSTITUENTS	GROUNDWATER STANDARD[1,3] (ppb or ug/L)	SOIL CLEANUP LEVEL[2,3] (ppm or mg/kg)
Pesticides/PCBs Cont'd		
Heptachlor	> ND	0.10
Aldrin	> ND	0.041
Dieldrin	> ND	0.044
Endrin	> ND	0.10
Endosulfan II	NC	0.90
4,4'-DDD	> ND	2.90
Endosulfan sulfate	NC	1.00
4,4'-DDT	> ND	2.10
Endrin aldehyde	NC	NC
Aroclor-1260	0.1	1 surface / 10 subsurface
Inorganics		
Aluminum	NC	NC
Antimony	3	NC
Arsenic	25	7.5
Barium	1000	300
Beryllium	3	0.16
Cadmium	10	1
Calcium	NC	NC
Chromium	50	10
Cobalt	NC	30
Copper	200	25
Iron	300	2000
Lead	25	NC
Magnesium	35,000	NC
Manganese	300	NC
Mercury	2	0.1
Nickel	NC	13
Potassium	NC	NC
Selenium	10	2
Silver	50	NC
Sodium	20,000	NC
Vanadium	NC	150
Zinc	300	20
Cyanide	100	NC[8]

NOTES:

[1] Groundwater Standard Values are for Class GA Groundwater and are from Ambient Water Quality Standards and Guidance Values, New York State Department of Environmental Conservation, Division of Water, October 1993.

[2] Soil Cleanup Objective Levels are from Determination of Soil Cleanup Objectives and Cleanup Levels, Division Technical and Administrative Guidance Memorandum, New York State Department of Environmental Conservation, Division of Hazardous Waste Remediation, January 1994 (revised from November 1992).

[3] These standards are for comparison and reference purposes only.

[4] This groundwater standard value applies to any individual "principal organic contaminant" not otherwise classified.

[5] "NC" indicates that no standard or guidance value is available for this constituent.

[6] This groundwater standard value applies to the sum of the phenolic compounds.

[7] This soil standard value applies to any individual semi-volatile compound not otherwise classified.

[8] Cyanide can be found in stable and/or unstable forms in the soil. Site-specific forms of cyanide should be taken into consideration for soil cleanup.

TABLE E-2
ABBREVIATIONS AND QUALIFIERS UTILIZED IN RESULT TABLES

Abbreviation	**Definition**
BTEX	Benzene, Toluene, Ethylbenzene, Xylenes.
DL	Sample diluted and re-analyzed as one or more compounds were outside the calibration limits.
PAHs	Polycyclic Aromatic Hydrocarbons.
ppb	parts per billion (ug/kg or ug/L).
ppm	parts per million (mg/kg or mg/L).
RCRA	Resource Conservation and Recovery Act.
RE	Sample re-extracted and re-analyzed due to interferences.
TAL	Target Analyte List.
TCL	Target Compound List.
TCLP	Toxicity Characteristic Leaching Procedure.
TICs	Tentatively Identified Compounds.

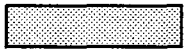
Qualifier	**Definition**
U or --	Compound not detected at detection limits.
J	Compound value is estimated.
R	Compound value is rejected and deemed unusable.
B (organics)	Compound was found in the associated method blank.
B (inorganics)	Analyte value is less than the method detection limit but greater than the instrument detection limit.
E	Compound concentration exceeds the calibration range.
D	Compound value reported is from a dilution analysis.
N	Presumptive evidence exists for the presence of compound.
P	A pesticide/Aroclor compound had a greater than 25 percent difference for the detected concentrations between two GC columns.
NA	Not analyzed.
	Compound concentration is above the recommended guidance value for soil or groundwater. To be used for comparison and reference purposes only.

TABLE E-3
TCL Volatile Organic Compounds - Surface Soils
North Albany Former MGP Site

Sample Number	SS-1	SS-2
Sampling Date	9/15/94	9/15/94
Units	ug/kg	ug/kg
Compound		
Chloromethane	10 U	10 U
Bromomethane	10 U	10 U
Vinyl Chloride	10 U	10 U
Chloroethane	10 U	10 U
Methylene Chloride	10 U	10 U
Acetone	10 U	10 U
Carbon Disulfide	10 U	10 U
1,1-Dichloroethene	10 U	10 U
1,1-Dichloroethane	10 U	10 U
1,2-Dichloroethene (total)	10 U	10 U
Chloroform	10 U	10 U
1,2-Dichloroethane	10 U	10 U
2-Butanone	10 U	10 U
1,1,1-Trichloroethane	10 U	10 U
Carbon Tetrachloride	10 U	10 U
Bromodichloromethane	10 U	10 U
1,2-Dichloropropane	10 U	10 U
cis-1,3-Dichloropropene	10 U	10 U
Trichloroethene	10 U	10 U
Dibromochloromethane	10 U	10 U
1,1,2-Trichloroethane	10 U	10 U
Benzene	10 U	10 U
trans-1,3-Dichloropropene	10 U	10 U
Bromoform	10 U	10 U
4-Methyl-2-Pentanone	10 U	10 U
2-Hexanone	10 U	10 U
Tetrachloroethene	10 U	10 U
1,1,2,2-Tetrachloroethane	10 U	10 U
Toluene	3 J	2 J
Chlorobenzene	10 U	10 U
Ethylbenzene	10 U	2 J
Styrene	10 U	10 U
Xylenes (total)	10 U	10 U
Volatile TICs	--	R

TABLE E-4
TCL Semi-Volatile Organic Compounds - Surface Soils
North Albany Former MGP Site

Sample Number	SS-1	SS-2
Sampling Date	9/15/94	9/15/94
Units	ug/kg	ug/kg
Compound		
Phenol	R	R
bis(2-Chloroethyl)ether	340 U	340 U
2-Chlorophenol	R	R
1,3-Dichlorobenzene	340 U	340 U
1,4-Dichlorobenzene	340 U	340 U
1,2-Dichlorobenzene	340 U	340 U
2-Methylphenol	R	R
2,2'-oxybis(1-Chloropropane)	340 U	340 U
4-Methylphenol	R	R
N-Nitroso-di-n-propylamine	340 U	340 U
Hexachloroethane	340 U	340 U
Nitrobenzene	340 U	340 U
Isophorone	340 U	340 U
2-Nitrophenol	R	R
2,4-Dimethylphenol	R	R
2,4-Dichlorophenol	R	R
1,2,4-Trichlorobenzene	340 U	340 U
Naphthalene	340 U	460
4-Chloroaniline	340 U	340 U
Hexachlorobutadiene	340 U	340 U
bis(2-Chloroethoxy)methane	340 U	340 U
4-Chloro-3-Methylphenol	R	R
2-Methylnaphthalene	340 U	340 U
Hexachlorocyclopentadiene	340 UJ	340 UJ
2,4,6-Trichlorophenol	R	R
2,4,5-Trichlorophenol	R	R
2-Chloronaphthalene	340 U	340 U
2-Nitroaniline	820 U	820 U
Dimethylphthalate	340 U	340 U
Acenaphthylene	340 U	340 U
2,6-Dinitrotoluene	340 U	340 U
3-Nitroaniline	820 U	820 U
Acenaphthene	340 U	340 U
2,4-Dinitrophenol	R	R
4-Nitrophenol	R	R
Dibenzofuran	340 U	340 U
2,4-Dinitrotoluene	340 U	340 U
Diethylphthalate	340 U	340 U
4-Chlorophenyl-phenylether	340 U	340 U
Fluorene	340 U	340 U
4-Nitroaniline	820 U	820 U

TABLE E-4
TCL Semi-Volatile Organic Compounds - Surface Soils
North Albany Former MGP Site

Sample Number	SS-1	SS-2
Sampling Date	9/15/94	9/15/94
Units	ug/kg	ug/kg
Compound		
4,6-Dinitro-2-methylphenol	R	R
N-Nitrosodiphenylamine	340 U	340 U
4-Bromophenyl-phenylether	340 U	340 U
Hexachlorobenzene	340 U	340 U
Pentachlorophenol	R	R
Phenanthrene	340 U	140 J
Anthracene	340 U	340 U
Carbazole	340 U	340 U
Di-n-butylphthalate	57 J	56 J
Fluoranthene	340 U	320 J
Pyrene	340 U	300 J
Butylbenzylphthalate	340 U	340 U
3,3'-Dichlorobenzidine	340 U	340 U
Benzo(a)anthracene	340 U	140 J
Chrysene	340 U	180 J
bis(2-Ethylhexyl)phthalate	42 J	50 J
Di-n-octylphthalate	340 U	340 U
Benzo(b)fluoranthene	340 U	160 J
Benzo(k)fluoranthene	340 U	150 J
Benzo(a)pyrene	340 U	120 J
Indeno(1,2,3-cd)pyrene	340 U	120 J
Dibenz(a,h)anthracene	340 U	42 J
Benzo(g,h,i)perylene	340 U	100 J
Semi-Volatile TICs	1282 J	1590 J

TABLE E-5
TCL Pesticide/PCBs - Surface Soils
North Albany Former MGP Site

Sample Number	SS-1	SS-2
Sampling Date	9/15/94	9/15/94
Units	ug/kg	ug/kg
Compound		
alpha-BHC	1.7 U	1.7 U
beta-BHC	1.7 U	1.7 U
delta-BHC	1.7 U	1.7 U
gamma-BHC (Lindane)	1.7 U	1.7 U
Heptachlor	1.7 U	1.7 U
Aldrin	1.7 U	1.7 U
Heptachlor epoxide	1.7 U	1.7 U
Endosulfan I	1.7 U	1.7 U
Dieldrin	3.4 U	6.1 JNP
4,4'-DDE	3.4 U	3.4 U
Endrin	3.4 U	3.4 U
Endosulfan II	3.4 U	3.4 U
4,4'-DDD	3.4 U	3.4 U
Endosulfan sulfate	3.4 U	3.4 U
4,4'-DDT	3.4 U	3.4 U
Methoxychlor	17 U	17 U
Endrin ketone	3.4 U	3.4 U
Endrin aldehyde	3.4 U	R
alpha-Chlordane	1.7 U	1.7 U
gamma-Chlordane	1.7 U	1.7 U
Toxaphene	170 U	170 U
Aroclor-1016	34 U	34 U
Aroclor-1221	68 U	68 U
Aroclor-1232	34 U	34 U
Aroclor-1242	34 U	34 U
Aroclor-1248	34 U	34 U
Aroclor-1254	34 U	34 U
Aroclor-1260	9 J	130

TABLE E-6
TAL Metals - Surface Soils
North Albany Former MGP Site

Sample Number	SS-1	SS-2
Sampling Date	9/15/94	9/15/94
Units	mg/kg	mg/kg
Analyte		
Aluminum	2170	8320
Antimony	7.2 U	7.4 U
Arsenic	5.6 J	3.9 J
Barium	27.4 B	73.6
Beryllium	0.45 B	0.45 B
Cadmium	0.41 JB	0.39 UJ
Calcium	R	R
Chromium	6.9 J	11.5
Cobalt	2.4 B	9.2 B
Copper	7.8	17.8
Iron	5830	18800
Lead	5.9 J	12.7 J
Magnesium	7820	9070
Manganese	117 J	574 J
Mercury	0.31	0.11
Nickel	4.9 U	15.6
Potassium	565 B	1010
Selenium	1.0 UJ	0.91 UJ
Silver	0.95 UJ	0.98 UJ
Sodium	171 B	90.8 U
Thallium	1 U	0.91 U
Vanadium	7.9 B	17.1
Zinc	24.8 J	71.5 J

TABLE E-7
Cyanide - Surface Soils
North Albany Former MGP Site

Sample Number	SS-1	SS-2
Sampling Date	9/15/94	9/15/94
Units	mg/kg	mg/kg
Analyte		
Cyanide	0.56 U	0.49 U

TABLE E-8
TCL Volatile Organic Compounds - Storm Drain Sediment Samples
North Albany Former MGP Site

Sample Number	SD-1	SD-2
Sampling Date	9/15/94	9/15/94
Units	ug/kg	ug/kg
Compound		
Chloromethane	3400 U	13 U
Bromomethane	3400 U	13 U
Vinyl Chloride	3400 U	13 U
Chloroethane	3400 U	13 U
Methylene Chloride	3400 U	13 U
Acetone	3400 U	13 U
Carbon Disulfide	3400 U	13 U
1,1-Dichloroethene	3400 U	3 J
1,1-Dichloroethane	3400 U	13 U
1,2-Dichloroethene (total)	3400 U	13 U
Chloroform	3400 U	13 U
1,2-Dichloroethane	3400 U	13 U
2-Butanone	3400 U	13 U
1,1,1-Trichloroethane	3400 U	13 U
Carbon Tetrachloride	3400 U	13 U
Bromodichloromethane	3400 U	13 U
1,2-Dichloropropane	3400 U	13 U
cis-1,3-Dichloropropene	3400 U	13 U
Trichloroethene	3400 U	3 J
Dibromochloromethane	3400 U	13 U
1,1,2-Trichloroethane	3400 U	13 U
Benzene	2400 J	5 J
trans-1,3-Dichloropropene	3400 U	13 U
Bromoform	3400 U	13 U
4-Methyl-2-Pentanone	3400 U	13 U
2-Hexanone	3400 U	13 U
Tetrachloroethene	3400 U	13 U
1,1,2,2-Tetrachloroethane	3400 U	13 U
Toluene	1400 J	5 J
Chlorobenzene	3400 U	4 J
Ethylbenzene	37000	13 U
Styrene	3400 U	13 U
Xylenes (total)	24000	13 U
Volatile TICs	108900 J	--

TABLE E-9
TCL Semi-Volatile Organic Compounds - Storm Drain Sediment Samples
North Albany Former MGP Site

Sample Number	SD-1	SD-1DL	SD-2
Sampling Date	9/15/94	9/15/94	9/15/94
Units	ug/kg	ug/kg	ug/kg
Compound			
Phenol	2300 U	12000 U	2100 U
bis(2-Chloroethyl)ether	2300 U	12000 U	2100 U
2-Chlorophenol	2300 U	12000 U	2100 U
1,3-Dichlorobenzene	2300 U	12000 U	2100 U
1,4-Dichlorobenzene	2300 U	12000 U	2100 U
1,2-Dichlorobenzene	2300 U	12000 U	2100 U
2-Methylphenol	2300 U	12000 U	2100 U
2,2'-oxybis(1-Chloropropane)	2300 U	12000 U	2100 U
4-Methylphenol	2300 U	12000 U	2100 U
N-Nitroso-di-n-propylamine	2300 U	12000 U	2100 U
Hexachloroethane	2300 U	12000 U	2100 U
Nitrobenzene	2300 U	12000 U	2100 U
Isophorone	2300 U	12000 U	2100 U
2-Nitrophenol	2300 U	12000 U	2100 U
2,4-Dimethylphenol	2300 U	12000 U	2100 U
2,4-Dichlorophenol	2300 U	12000 U	2100 U
1,2,4-Trichlorobenzene	2300 U	12000 U	2100 U
Naphthalene	49000 JE	61000 D	2100 U
4-Chloroaniline	2300 U	12000 U	2100 U
Hexachlorobutadiene	2300 U	12000 U	2100 U
bis(2-Chloroethoxy)methane	2300 U	12000 U	2100 U
4-Chloro-3-Methylphenol	2300 U	12000 U	2100 U
2-Methylnaphthalene	2900	2400 JD	2100 U
Hexachlorocyclopentadiene	2300 UJ	12000 UJ	R
2,4,6-Trichlorophenol	2300 U	12000 U	2100 U
2,4,5-Trichlorophenol	5600 U	28000 U	5100 U
2-Chloronaphthalene	2300 U	12000 U	2100 U
2-Nitroaniline	5600 U	28000 U	5100 U
Dimethylphthalate	260 J	12000 U	2100 U
Acenaphthylene	2300 U	2000 JD	2100 U
2,6-Dinitrotoluene	2000 J	4500 JD	2100 U
3-Nitroaniline	5600 U	28000 U	5100 U
Acenaphthene	5000	12000 D	2100 U
2,4-Dinitrophenol	5600 U	28000 U	5100 U
4-Nitrophenol	5600 U	28000 U	5100 U
Dibenzofuran	380 J	12000 U	2100 U
2,4-Dinitrotoluene	2300 U	12000 U	2100 U

TABLE E-9
TCL Semi-Volatile Organic Compounds - Storm Drain Sediment Samples
North Albany Former MGP Site

Sample Number Sampling Date Units	SD-1 9/15/94 ug/kg	SD-1DL 9/15/94 ug/kg	SD-2 9/15/94 ug/kg
Compound			
Diethylphthalate	2300 U	12000 U	2100 U
4-Chlorophenyl-phenylether	2300 U	12000 U	2100 U
Fluorene	2300 U	8900 JD	2100 U
4-Nitroaniline	5600 U	28000 U	5100 U
4,6-Dinitro-2-methylphenol	5600 UJ	R	5100 U
N-Nitrosodiphenylamine	2300 UJ	R	2100 U
4-Bromophenyl-phenylether	2300 UJ	R	2100 U
Hexachlorobenzene	2300 UJ	R	2100 U
Pentachlorophenol	5600 UJ	R	5100 U
Phenanthrene	8600 J	79000 JD	1900 J
Anthracene	700 J	22000 JD	330 J
Carbazole	300 J	R	2100 U
Di-n-butylphthalate	2300 UJ	R	2100 U
Fluoranthene	20000 JE	56000 JD	3500
Pyrene	640 J	16000 D	3100
Butylbenzylphthalate	2300 U	12000 U	2100 U
3,3'-Dichlorobenzidine	2300 U	12000 U	2100 U
Benzo(a)anthracene	2300 U	4800 JD	1600 J
Chrysene	4600	5200 JD	2000 J
bis(2-Ethylhexyl)phthalate	8700	8800 JD	1500 J
Di-n-octylphthalate	460 J	12000 U	2100 U
Benzo(b)fluoranthene	4200	3700 JD	1500 J
Benzo(k)fluoranthene	3000	3300 JD	1500 J
Benzo(a)pyrene	3400	3800 JD	1600 J
Indeno(1,2,3-cd)pyrene	2100 J	2300 JD	850 J
Dibenz(a,h)anthracene	520 J	12000 U	2100 U
Benzo(g,h,i)perylene	1800 J	2400 JD	710 J
Semi-Volatile TICs	111700 J	732000 J	15940 J

TABLE E-10
TCL Pesticide/PCBs - Storm Drain Sediment Samples
North Albany Former MGP Site

Sample Number Sampling Date Units	SD-1 9/15/94 ug/kg	SD-2 9/15/94 ug/kg
Compound		
alpha-BHC	24 U	11 U
beta-BHC	24 U	11 U
delta-BHC	24 U	11 U
gamma-BHC (Lindane)	24 U	11 U
Heptachlor	24 U	11 U
Aldrin	24 U	11 U
Heptachlor epoxide	24 U	11 U
Endosulfan I	24 U	11 U
Dieldrin	210 JNP	35
4,4'-DDE	47 U	21 U
Endrin	47 U	21 U
Endosulfan II	47 U	21 U
4,4'-DDD	47 U	21 U
Endosulfan sulfate	47 U	21 U
4,4'-DDT	47 U	21 U
Methoxychlor	240 U	110 U
Endrin ketone	47 U	21 U
Endrin aldehyde	47 U	R
alpha-Chlordane	24 U	11 U
gamma-Chlordane	R	14 JP
Toxaphene	2400 U	1100 U
Aroclor-1016	470 U	210 U
Aroclor-1221	960 U	420 U
Aroclor-1232	470 U	210 U
Aroclor-1242	470 U	210 U
Aroclor-1248	470 U	210 U
Aroclor-1254	470 U	550 JNP
Aroclor-1260	4600 JP	210 U

TABLE E-11
TAL Metals - Storm Drain Sediment Samples
North Albany Former MGP Site

Sample Number Sampling Date Units	SD-1 9/15/94 mg/kg	SD-2 9/15/94 mg/kg
Analyte		
Aluminum	8610	7860
Antimony	9.7 U	8 U
Arsenic	5 J	3.7 J
Barium	79.8	364
Beryllium	0.54 B	0.42 U
Cadmium	3.7 J	1.6 J
Calcium	R	R
Chromium	54.7	46.9
Cobalt	9.8 B	6.5 B
Copper	199	48.1
Iron	30200	20300
Lead	123	215
Magnesium	10000	10000
Manganese	374 J	336 J
Mercury	0.35	0.51
Nickel	50.5	26.8
Potassium	1680	1000 B
Selenium	1.3 UJ	1.1 UJ
Silver	1.3 UJ	1.1 UJ
Sodium	540 B	258 B
Thallium	1.3 U	1.1 U
Vanadium	49.4	36.6
Zinc	747 J	400 J

TABLE E-12
Cyanide - Storm Drain Sediment Samples
North Albany Former MGP Site

Sample Number	SD-1	SD-2
Sampling Date	9/15/94	9/15/94
Units	mg/kg	mg/kg
Analyte		
Cyanide	0.73 U	0.57 U

TABLE E-13
TCL Volatile Organic Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB2-0406	SB3-2022	SB7-0408	SB8-1618	SB10-1416	SB11-0810	SB11-0810DL	SB12-2022
Sampling Date	10/5/94	10/6/94	10/4/94	10/5/94	10/10/94	10/11/94	10/11/94	10/12/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
Chloromethane	12 U	11 U	1600 U	11 U	12 U	2100 U	21000 U	1300 U
Bromomethane	12 U	11 U	1600 U	11 U	12 U	2100 U	21000 U	1300 U
Vinyl Chloride	12 U	11 U	1600 U	11 U	12 U	2100 U	21000 U	1300 U
Chloroethane	12 U	11 U	1600 U	11 U	12 U	2100 U	21000 U	1300 U
Methylene Chloride	4 J	4 J	1600 U	1 J	12 U	3000 U	21000 U	2100 U
Acetone	14 J	8 J	1600 U	3 J	10 J	2100 U	21000 U	1300 U
Carbon Disulfide	12 U	11 U	1600 U	11 U	12 U	2100 U	21000 U	1300 U
1,1-Dichloroethene	12 U	11 U	1600 U	11 U	12 U	2100 U	21000 U	1300 U
1,1-Dichloroethane	12 U	11 U	1600 U	11 U	12 U	2100 U	21000 U	1300 U
1,2-Dichloroethene (total)	12 U	11 U	1600 U	11 U	12 U	2100 U	21000 U	1300 U
Chloroform	12 U	11 U	1600 U	11 U	12 U	2100 U	21000 U	1300 U
1,2-Dichloroethane	12 U	11 U	1600 U	11 U	12 U	2100 U	21000 U	1300 U
2-Butanone	4 J	11 U	1600 U	11 U	12 U	2100 U	21000 U	1300 U
1,1,1-Trichloroethane	12 U	11 U	1600 U	11 U	12 U	2100 U	21000 U	1300 U
Carbon Tetrachloride	12 U	11 U	1600 U	11 U	12 U	2100 U	21000 U	1300 U
Bromodichloromethane	12 U	11 U	1600 U	11 U	12 U	2100 U	21000 U	1300 U
1,2-Dichloropropane	12 U	11 U	1600 U	11 U	12 U	2100 U	21000 U	1300 U
cis-1,3-Dichloropropene	12 U	11 U	1600 U	11 U	12 U	2100 U	21000 U	1300 U
Trichloroethene	12 U	11 U	1600 U	11 U	12 U	2100 U	21000 U	1300 U
Dibromochloromethane	12 U	11 U	1600 U	11 U	12 U	2100 U	21000 U	1300 U
1,1,2-Trichloroethane	12 U	11 U	1600 U	11 U	12 U	2100 U	21000 U	1300 U
Benzene	12 U	11 U	1600 U	11 U	25	58000 JE	61000 D	2700
trans-1,3-Dichloropropene	12 U	11 U	1600 U	11 U	12 U	2100 U	21000 U	1300 U
Bromoform	12 U	11 U	1600 U	11 U	12 U	2100 U	21000 U	1300 U
4-Methyl-2-Pentanone	12 U	11 U	1600 U	11 U	12 U	2100 U	21000 U	1300 U
2-Hexanone	12 U	11 U	1600 U	11 U	12 U	2100 U	21000 U	1300 U
Tetrachloroethene	12 U	11 U	1600 U	11 U	12 U	2100 U	21000 U	1300 U

TABLE E-13
TCL Volatile Organic Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB2-0406	SB3-2022	SB7-0408	SB8-1618	SB10-1416	SB11-0810	SB11-0810DL	SB12-2022
Sampling Date	10/5/94	10/6/94	10/4/94	10/5/94	10/10/94	10/11/94	10/11/94	10/12/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
1,1,2,2-Tetrachloroethane	12 U	11 U	1600 U	11 U	12 U	2100 U	21000 U	1300 U
Toluene	12 U	11 U	1600 U	11 U	13	35000	40000 D	2100
Chlorobenzene	12 U	11 U	1600 U	11 U	12 U	2100 U	21000 U	1300 U
Ethylbenzene	12 U	11 U	840 J	11 U	23	72000 JE	82000 D	5600
Styrene	12 U	11 U	1600 U	11 U	12 U	1800 J	21000 U	1500
Xylenes (total)	12 U	11 U	990 J	11 U	9 J	91000 JE	100000 D	4200
Volatile TICs	--	--	7430 J	--	175 J	240100 J	664000 JD	19610 J

TABLE E-13
TCL Volatile Organic Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB15-1214	SB16-1820	SB19-1416	SB19-1416DL	SB20-1012	SB20-1012RE	SB23-1416	SB23-1416DL
Sampling Date	10/13/94	10/13/94	10/17/94	10/17/94	10/14/94	10/14/94	10/12/94	10/12/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
Chloromethane	1400 U	1400 U	1300 U	13000 U	R	12 UJ	1600 U	82000 U
Bromomethane	1400 U	1400 U	1300 U	13000 U	R	12 UJ	1600 U	82000 U
Vinyl Chloride	1400 U	1400 U	1300 U	13000 U	R	12 UJ	1600 U	82000 U
Chloroethane	1400 U	1400 U	1300 U	13000 U	R	12 UJ	1600 U	82000 U
Methylene Chloride	2900 U	2400 U	1900 U	20000 U	12 UJ	12 UJ	2500 U	130000 U
Acetone	1400 U	1400 U	1300 U	13000 U	R	12 UJ	1600 U	82000 U
Carbon Disulfide	1400 U	1400 U	1300 U	13000 U	R	12 UJ	1600 U	82000 U
1,1-Dichloroethene	1400 U	1400 U	1300 U	13000 U	R	12 UJ	1600 U	82000 U
1,1-Dichloroethane	1400 U	1400 U	1300 U	13000 U	R	12 UJ	1600 U	82000 U
1,2-Dichloroethene (total)	1400 U	1400 U	1300 U	13000 U	R	12 UJ	1600 U	82000 U
Chloroform	1400 U	1400 U	1300 U	13000 U	R	12 UJ	1600 U	82000 U
1,2-Dichloroethane	1400 U	1400 U	1300 U	13000 U	R	12 UJ	1600 U	82000 U
2-Butanone	1400 U	1400 U	1300 U	13000 U	R	12 UJ	1600 U	82000 U
1,1,1-Trichloroethane	1400 U	1400 U	1300 U	13000 U	R	12 UJ	1600 U	82000 U
Carbon Tetrachloride	1400 U	1400 U	1300 U	13000 U	R	12 UJ	1600 U	82000 U
Bromodichloromethane	1400 U	1400 U	1300 U	13000 U	R	12 UJ	1600 U	82000 U
1,2-Dichloropropane	1400 U	1400 U	1300 U	13000 U	R	12 UJ	1600 U	82000 U
cis-1,3-Dichloropropene	1400 U	1400 U	1300 U	13000 U	R	12 UJ	1600 U	82000 U
Trichloroethene	1400 U	1400 U	1300 U	13000 U	R	12 UJ	180 J	82000 U
Dibromochloromethane	1400 U	1400 U	1300 U	13000 U	R	12 UJ	1600 U	82000 U
1,1,2-Trichloroethane	1400 U	1400 U	1300 U	13000 U	R	12 UJ	1600 U	82000 U
Benzene	850 J	720 J	16000	15000 D	R	12 UJ	250000 JE	280000 D
trans-1,3-Dichloropropene	1400 U	1400 U	1300 U	13000 U	R	12 UJ	1600 U	82000 U
Bromoform	1400 U	1400 U	1300 U	13000 U	R	12 UJ	1600 U	82000 U
4-Methyl-2-Pentanone	1400 U	1400 U	1300 U	13000 U	R	12 UJ	1600 U	82000 U
2-Hexanone	1400 U	1400 U	1300 U	13000 U	R	12 UJ	1600 U	82000 U
Tetrachloroethene	1400 U	1400 U	1300 U	13000 U	R	12 UJ	1600 U	82000 U

TABLE E-13
TCL Volatile Organic Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB15-1214	SB16-1820	SB19-1416	SB19-1416DL	SB20-1012	SB20-1012RE	SB23-1416	SB23-14I6DL
Sampling Date	10/13/94	10/13/94	10/17/94	10/17/94	10/14/94	10/14/94	10/12/94	10/12/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
1,1,2,2-Tetrachloroethane	1400 U	1400 U	1300 U	13000 U	R	12 UJ	1600 U	82000 U
Toluene	530 J	220 J	38000 JE	35000 D	R	12 UJ	150000 JE	190000 D
Chlorobenzene	1400 U	1400 U	1300 U	13000 U	R	12 UJ	1600 U	82000 U
Ethylbenzene	2800	9200	120000 JE	120000 D	R	12 UJ	360000 JE	490000 D
Styrene	1400 U	1400 U	6300	5600 JD	R	12 UJ	2000	82000 U
Xylenes (total)	3200	8600	92000 JE	87000 D	R	12 UJ	130000 JE	160000 D
Volatile TICs	14400 J	64200 J	218200 J	474000 JD	--	--	294800 J	1435000 JD

TABLE E-13
TCL Volatile Organic Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	TP1-01	TP1-01DL	TP1-02	TP1-02DL	TP2-01	TP2-01DL	TP3-01	TP4-01
Sampling Date	10/5/94	10/4/94	10/4/94	10/4/94	10/4/94	10/4/94	10/4/94	10/4/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
Chloromethane	1400 U	28000 U	1300 U	67000 U	1500 U	7400 U	1500 U	17 UJ
Bromomethane	1400 U	28000 U	1300 U	67000 U	1500 U	7400 U	1500 U	17 UJ
Vinyl Chloride	1400 U	28000 U	1300 U	67000 U	1500 U	7400 U	1500 U	17 UJ
Chloroethane	1400 U	28000 U	1300 U	67000 U	1500 U	7400 U	1500 U	17 UJ
Methylene Chloride	1400 U	28000 U	1300 U	67000 U	1500 U	7400 U	1500 U	17 UJ
Acetone	1400 U	28000 U	1300 U	67000 U	1500 U	7400 U	1500 U	17 UJ
Carbon Disulfide	1400 U	28000 U	1300 U	67000 U	1500 U	7400 U	1500 U	17 UJ
1,1-Dichloroethene	1400 U	28000 U	1300 U	67000 U	1500 U	7400 U	1500 U	17 UJ
1,1-Dichloroethane	1400 U	28000 U	1300 U	67000 U	1500 U	7400 U	1500 U	17 UJ
1,2-Dichloroethene (total)	1400 U	28000 U	1300 U	67000 U	1500 U	7400 U	1500 U	17 UJ
Chloroform	1400 U	28000 U	1300 U	67000 U	1500 U	7400 U	1500 U	4 J
1,2-Dichloroethane	1400 U	28000 U	1300 U	67000 U	1500 U	7400 U	1500 U	17 UJ
2-Butanone	1400 U	28000 U	1300 U	67000 U	1500 U	7400 U	1500 U	17 UJ
1,1,1-Trichloroethane	1400 U	28000 U	1300 U	67000 U	1500 U	7400 U	1500 U	R
Carbon Tetrachloride	1400 U	28000 U	1300 U	67000 U	1500 U	7400 U	1500 U	R
Bromodichloromethane	1400 U	28000 U	1300 U	67000 U	1500 U	7400 U	1500 U	R
1,2-Dichloropropane	1400 U	28000 U	1300 U	67000 U	1500 U	7400 U	1500 U	R
cis-1,3-Dichloropropene	1400 U	28000 U	1300 U	67000 U	1500 U	7400 U	1500 U	R
Trichloroethene	360 J	28000 U	1300 U	67000 U	1500 U	7400 U	1500 U	R
Dibromochloromethane	1400 U	28000 U	1300 U	67000 U	1500 U	7400 U	1500 U	R
1,1,2-Trichloroethane	1400 U	28000 U	1300 U	67000 U	1500 U	7400 U	1500 U	R
Benzene	73000 JE	74000 D	280000 JE	360000 D	1700	1700 JD	6700	5 J
trans-1,3-Dichloropropene	1400 U	28000 U	1300 U	67000 U	1500 U	7400 U	1500 U	R
Bromoform	1400 U	28000 U	1300 U	67000 U	1500 U	7400 U	1500 U	R
4-Methyl-2-Pentanone	1400 U	28000 U	1300 U	67000 U	1500 U	7400 U	1500 U	R
2-Hexanone	1400 U	28000 U	1300 U	67000 U	1500 U	7400 U	1500 U	R
Tetrachloroethene	1400 U	28000 U	1300 U	67000 U	1500 U	7400 U	1500 U	R

TABLE E-13
TCL Volatile Organic Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	TP1-01	TP1-01DL	TP1-02	TP1-02DL	TP2-01	TP2-01DL	TP3-01	TP4-01
Sampling Date	10/5/94	10/4/94	10/4/94	10/4/94	10/4/94	10/4/94	10/4/94	10/4/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
1,1,2,2-Tetrachloroethane	1400 U	28000 U	1300 U	67000 U	1500 U	7400 U	1500 U	R
Toluene	67000 JE	78000 D	220000 JE	310000 D	670 J	920 JD	390 J	16 J
Chlorobenzene	1400 U	28000 U	1300 U	67000 U	1500 U	7400 U	1500 U	R
Ethylbenzene	230000 JE	270000 D	440000 JE	660000 D	55000 JE	67000 D	29000	R
Styrene	14000	16000 JD	49000 JE	61000 JD	1500 U	7400 U	1500 U	R
Xylenes (total)	100000 JE	120000 D	180000 JE	250000 D	43000	53000 D	15000	R
Volatile TICs	266800 J	992000 JD	294300 J	1878000 JD	220000 J	394000 JD	286000 J	105 J

TABLE E-13
TCL Volatile Organic Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	TP5-01	TP6-01	TP6-01DL	TP6-02	TP6-02DL	TP7-01	TP7-02	TP7-02DL
Sampling Date	10/4/94	10/4/94	10/4/94	10/4/94	10/4/94	10/3/94	10/3/94	10/3/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
Chloromethane	14000 U	1400 U	2900 U	1600 U	3200 U	1500 U	1900 U	19000 U
Bromomethane	14000 U	1400 U	2900 U	1600 U	3200 U	1500 U	1900 U	19000 U
Vinyl Chloride	14000 U	1400 U	2900 U	1600 U	3200 U	1500 U	1900 U	19000 U
Chloroethane	14000 U	1400 U	2900 U	1600 U	3200 U	1500 U	1900 U	19000 U
Methylene Chloride	14000 U	1400 U	2900 U	1600 U	3200 U	1500 U	1900 U	19000 U
Acetone	14000 UJ	1400 U	2900 UJ	1600 U	3200 UJ	1500 U	1900 U	19000 UJ
Carbon Disulfide	14000 U	1400 U	2900 U	1600 U	3200 U	1500 U	1900 U	19000 U
1,1-Dichloroethene	14000 U	1400 U	2900 U	1600 U	3200 U	1500 U	1900 U	19000 U
1,1-Dichloroethane	14000 U	1400 U	2900 U	1600 U	3200 U	1500 U	1900 U	19000 U
1,2-Dichloroethene (total)	14000 U	1400 U	2900 U	1600 U	3200 U	1500 U	1900 U	19000 U
Chloroform	14000 U	1400 U	2900 U	1600 U	3200 U	1500 U	1900 U	19000 U
1,2-Dichloroethane	14000 U	1400 U	2900 U	1600 U	3200 U	1500 U	1900 U	19000 U
2-Butanone	14000 U	1400 U	2900 U	1600 U	3200 U	1500 U	1900 U	19000 U
1,1,1-Trichloroethane	14000 U	1400 U	2900 U	1600 U	3200 U	1500 U	1900 U	19000 U
Carbon Tetrachloride	14000 U	1400 U	2900 U	1600 U	3200 U	1500 U	1900 U	19000 U
Bromodichloromethane	14000 U	1400 U	2900 U	1600 U	3200 U	1500 U	1900 U	19000 U
1,2-Dichloropropane	14000 U	1400 U	2900 U	1600 U	3200 U	1500 U	1900 U	19000 U
cis-1,3-Dichloropropene	14000 U	1400 U	2900 U	1600 U	3200 U	1500 U	1900 U	19000 U
Trichloroethene	14000 U	1400 U	2900 U	1600 U	3200 U	1500 U	1900 U	19000 U
Dibromochloromethane	14000 U	1400 U	2900 U	1600 U	3200 U	1500 U	1900 U	19000 U
1,1,2-Trichloroethane	14000 U	1400 U	2900 U	1600 U	3200 U	1500 U	1900 U	19000 U
Benzene	2800 J	6600	6100 D	6100	6500 D	220 J	32000	36000 D
trans-1,3-Dichloropropene	14000 U	1400 U	2900 U	1600 U	3200 U	1500 U	1900 U	19000 U
Bromoform	14000 U	1400 U	2900 U	1600 U	3200 U	1500 U	1900 U	19000 U
4-Methyl-2-Pentanone	14000 U	1400 U	2900 U	1600 U	3200 U	1500 U	1900 U	19000 U
2-Hexanone	14000 U	1400 U	2900 U	1600 U	3200 U	1500 U	1900 U	19000 U
Tetrachloroethene	14000 U	1400 U	2900 U	1600 U	3200 U	1500 U	1900 U	19000 U

TABLE E-13
TCL Volatile Organic Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	TP5-01	TP6-01	TP6-01DL	TP6-02	TP6-02DL	TP7-01	TP7-02	TP7-02DL
Sampling Date	10/4/94	10/4/94	10/4/94	10/4/94	10/4/94	10/3/94	10/3/94	10/3/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
1,1,2,2-Tetrachloroethane	14000 U	1400 U	2900 U	1600 U	3200 U	1500 U	1900 U	19000 U
Toluene	59000	1700	1800 JD	1700	1800 JD	1500 U	2900	3600 JD
Chlorobenzene	14000 U	1400 U	2900 U	1600 U	3200 U	1500 U	1900 U	19000 U
Ethylbenzene	21000	52000 JE	48000 D	49000 JE	53000 D	3700	170000 JE	200000 D
Styrene	14000 U	1400 U	2900 U	1600 U	3200 U	1500 U	1900 U	19000 U
Xylenes (total)	120000	59000	54000 D	58000	60000 D	2100	140000 JE	160000 D
Volatile TICs	479000 J	622000 J	630000 JD	610000 J	768000 JD	80100 J	648000 J	1635000 JD

TABLE E-13
TCL Volatile Organic Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	TP8-01	MW1-1820	MW2-0810	MW4-0204	MW4-0204DL	MW8-0608	MW9-1618	MW1004
Sampling Date	10/4/94	9/8/94	9/8/94	9/28/94	9/28/94	9/14/94	9/7/94	9/20/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
Chloromethane	1400 U	11 UJ	11 U	1900 U	38000 U	1500 U	12 U	60 U
Bromomethane	1400 U	11 UJ	11 U	1900 U	38000 U	1500 U	12 U	60 U
Vinyl Chloride	1400 U	11 UJ	11 U	1900 U	38000 U	1500 U	12 U	60 U
Chloroethane	1400 U	11 UJ	11 U	1900 U	38000 U	1500 U	12 U	60 U
Methylene Chloride	1400 U	11 UJ	11 U	17000 B	36000 JBD	1500 U	12 U	60 U
Acetone	1400 U	11 UJ	14 J	1900 UJ	38000 U	1500 U	12 U	420 J
Carbon Disulfide	1400 U	11 UJ	11 U	1900 U	38000 U	1500 U	12 U	60 U
1,1-Dichloroethene	1400 U	11 UJ	11 U	1900 U	38000 U	1500 U	12 U	60 U
1,1-Dichloroethane	1400 U	11 UJ	11 U	1900 U	38000 U	1500 U	12 U	60 U
1,2-Dichloroethene (total)	1400 U	11 UJ	11 U	1900 U	38000 U	1500 U	12 U	60 U
Chloroform	1400 U	11 UJ	11 U	1900 U	38000 U	1500 U	12 U	60 U
1,2-Dichloroethane	1400 U	11 UJ	11 U	1900 U	38000 U	1500 U	12 U	60 U
2-Butanone	1400 U	11 UJ	11 U	1900 U	38000 U	1500 U	12 U	60 UJ
1,1,1-Trichloroethane	1400 U	11 UJ	11 U	1900 U	38000 U	1500 U	12 U	60 U
Carbon Tetrachloride	1400 U	11 UJ	11 U	1900 U	38000 U	1500 U	12 U	60 U
Bromodichloromethane	1400 U	11 UJ	11 U	1900 U	38000 U	1500 U	12 U	60 U
1,2-Dichloropropane	1400 U	11 UJ	11 U	1900 U	38000 U	1500 U	12 U	60 U
cis-1,3-Dichloropropene	1400 U	11 UJ	11 U	1900 U	38000 U	1500 U	12 U	60 U
Trichloroethene	1400 U	11 UJ	11 U	1900 U	38000 U	1500 U	12 U	60 U
Dibromochloromethane	1400 U	11 UJ	11 U	1900 U	38000 U	1500 U	12 U	60 U
1,1,2-Trichloroethane	1400 U	11 UJ	11 U	1900 U	38000 U	1500 U	12 U	60 U
Benzene	7500	11 UJ	7 J	24000	23000 JD	4200	12 U	60 U
trans-1,3-Dichloropropene	1400 U	11 UJ	11 U	1900 U	38000 U	1500 U	12 U	60 U
Bromoform	1400 U	11 UJ	11 U	1900 U	38000 U	1500 U	12 U	60 U
4-Methyl-2-Pentanone	1400 U	11 UJ	11 U	1900 U	38000 U	1500 U	12 U	60 U
2-Hexanone	1400 U	11 UJ	11 U	1900 U	38000 U	1500 U	12 U	60 U
Tetrachloroethene	1400 U	11 UJ	11 U	1900 U	38000 U	1500 U	12 U	60 U

TABLE E-13
TCL Volatile Organic Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	TP8-01	MW1-1820	MW2-0810	MW4-0204	MW4-0204DL	MW8-0608	MW9-1618	MW1004
Sampling Date	10/4/94	9/8/94	9/8/94	9/28/94	9/28/94	9/14/94	9/7/94	9/20/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
1,1,2,2-Tetrachloroethane	1400 U	11 UJ	11 U	1900 U	38000 U	1500 U	12 U	60 U
Toluene	7200	11 UJ	6 J	48000 JE	44000 D	2400	12 U	60 U
Chlorobenzene	1400 U	11 UJ	11 U	1900 U	38000 U	1500 U	12 U	60 U
Ethylbenzene	10000	11 UJ	130	250000 JE	220000 D	3200	12 U	1300 JE
Styrene	1300 J	11 UJ	1 J	1900 U	38000 U	1500 U	12 U	60 U
Xylenes (total)	18000	11 UJ	100	490000 JE	460000 D	2800	12 U	180 J
Volatile TICs	219900 J	--	478 J	439000 J	1740000 J	90700 J	--	12170 J

TABLE E-13
TCL Volatile Organic Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	MW1004DL	MW1103	MW1103D*	MW1403	MW1403DL	FB090894	FB100494
Sampling Date	9/20/94	9/21/94	9/21/94	9/22/94	9/22/94	9/8/94	10/4/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L
Compound							
Chloromethane	1400 U	15 U	13 U	1500 U	30000 U	10 U	10 U
Bromomethane	1400 U	15 U	13 U	1500 U	30000 U	10 U	10 U
Vinyl Chloride	1400 U	15 U	13 U	1500 U	30000 U	10 U	10 U
Chloroethane	1400 U	15 U	13 U	1500 U	30000 U	10 U	10 U
Methylene Chloride	1400 U	15 U	13 U	1500 U	30000 U	10 B	4 JB
Acetone	1400 U	26 J	24 J	1500 U	30000 U	10 UJ	10 UJ
Carbon Disulfide	1400 U	15 U	13 U	1500 U	30000 U	10 U	10 U
1,1-Dichloroethene	1400 U	15 U	13 U	1500 U	30000 U	10 U	10 U
1,1-Dichloroethane	1400 U	15 U	13 U	1500 U	30000 U	10 U	10 U
1,2-Dichloroethene (total)	1400 U	15 U	13 U	1500 U	30000 U	10 U	10 U
Chloroform	1400 U	15 U	13 U	1500 U	30000 U	10 U	10 U
1,2-Dichloroethane	1400 U	15 U	13 U	1500 U	30000 U	10 U	10 U
2-Butanone	1400 U	15 UJ	13 UJ	1500 U	30000 U	10 U	10 U
1,1,1-Trichioroethane	1400 U	15 U	13 U	1500 U	30000 U	10 U	10 U
Carbon Tetrachloride	1400 U	15 U	13 U	1500 U	30000 U	10 U	10 U
Bromodichloromethane	1400 U	15 U	13 U	1500 U	30000 U	10 U	10 U
1,2-Dichloropropane	1400 U	15 U	13 U	1500 U	30000 U	10 U	10 U
cis-1,3-Dichloropropene	1400 U	15 U	13 U	1500 U	30000 U	10 U	10 U
Trichloroethene	1400 U	15 U	13 U	1500 U	30000 U	10 U	10 U
Dibromochioromethane	1400 U	15 U	13 U	1500 U	30000 U	10 U	10 U
1,1,2-Trichloroethane	1400 U	15 U	13 U	1500 U	30000 U	10 U	10 U
Benzene	1400 U	15 U	13 U	240000 JE	270000 D	10 U	10 U
trans-1,3-Dichloropropene	1400 U	15 U	13 U	1500 U	30000 U	10 U	10 U
Bromoform	1400 U	15 U	13 U	1500 U	30000 U	10 U	10 U
4-Methyl-2-Pentanone	1400 U	15 U	13 U	1500 U	30000 U	10 U	10 U
2-Hexanone	1400 U	15 U	13 U	1500 U	30000 U	10 UJ	10 U
Tetrachloroethene	1400 U	15 U	13 U	1500 U	30000 U	10 U	10 U

TABLE E-13
TCL Volatile Organic Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	MW1004DL	MW1103	MW1103D*	MW1403	MW1403DL	FB090894	FB100494
Sampling Date	9/20/94	9/21/94	9/21/94	9/22/94	9/22/94	9/8/94	10/4/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L
Compound							
1,1,2,2-Tetrachloroethane	1400 U	15 U	13 U	1500 U	30000 U	10 U	10 U
Toluene	1400 U	15 U	13 U	140000 JE	150000 D	10 U	10 U
Chlorobenzene	1400 U	15 U	13 U	1500 U	30000 U	10 U	10 U
Ethylbenzene	750 JD	15 U	13 U	300000 JE	340000 D	10 U	10 U
Styrene	1400 U	15 U	13 U	3300	30000 U	10 U	10 U
Xylenes (total)	600 JD	15 U	13 U	120000 JE	120000 D	10 U	10 U
Volatile TICs	117500 J	7 J	47 J	267900 J	672000 J	--	6 J

* MW1103D is the duplicate of MW1103.

TABLE E-14
TCL Semi-Volatile Organic Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB2-0406	SB3-2022	SB7-0408	SB8-1618	SB11-0810	SB11-0810DL	SB12-2022	SB12-2022DL
Sampling Date	10/5/94	10/6/94	10/4/94	10/5/94	10/11/94	10/11/94	10/12/94	10/12/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
Phenol	R	380 UJ	460 UJ	370 U	29000 U	290000 U	3700 U	7500 U
bis(2-Chloroethyl)ether	400 UJ	380 UJ	460 U	370 U	29000 U	290000 U	3700 U	7500 U
2-Chlorophenol	R	380 UJ	460 UJ	370 U	29000 U	290000 U	3700 U	7500 U
1,3-Dichlorobenzene	400 UJ	380 UJ	460 U	370 U	29000 U	290000 U	3700 U	7500 U
1,4-Dichlorobenzene	400 UJ	380 UJ	460 U	370 U	29000 U	290000 U	3700 U	7500 U
1,2-Dichlorobenzene	400 UJ	380 UJ	460 U	370 U	29000 U	290000 U	3700 U	7500 U
2-Methylphenol	R	380 UJ	460 UJ	370 U	29000 U	290000 U	3700 U	7500 U
2,2'-oxybis(1-Chloropropane)	400 UJ	380 UJ	460 U	370 U	29000 U	290000 U	3700 U	7500 U
4-Methylphenol	R	380 UJ	460 UJ	370 U	29000 U	290000 U	3700 U	7500 U
N-Nitroso-di-n-propylamine	400 UJ	380 UJ	460 U	370 U	29000 U	290000 U	3700 U	7500 U
Hexachloroethane	400 UJ	380 UJ	460 U	370 U	29000 U	290000 U	3700 U	7500 U
Nitrobenzene	400 UJ	380 UJ	460 U	370 U	29000 U	290000 U	3700 U	7500 U
Isophorone	400 UJ	380 UJ	460 U	370 U	29000 U	290000 U	3700 U	7500 U
2-Nitrophenol	R	380 UJ	460 UJ	370 U	29000 U	290000 U	3700 U	7500 U
2,4-Dimethylphenol	R	380 UJ	460 UJ	370 U	3600 J	290000 U	3700 U	7500 U
2,4-Dichlorophenol	R	380 UJ	460 UJ	370 U	29000 U	290000 U	3700 U	7500 U
1,2,4-Trichlorobenzene	400 UJ	380 UJ	460 U	370 U	29000 U	290000 U	3700 U	7500 U
Naphthalene	400 UJ	380 UJ	1900	370 U	460000 JEB	1800000 BD	38000 JEB	45000 BD
4-Chloroaniline	400 UJ	380 UJ	460 U	370 U	29000 U	290000 U	3700 U	7500 U
Hexachlorobutadiene	400 UJ	380 UJ	460 U	370 U	29000 U	290000 U	3700 U	7500 U
bis(2-Chloroethoxy)methane	400 UJ	380 UJ	460 U	370 U	29000 U	290000 U	3700 U	7500 U
4-Chloro-3-Methylphenol	R	380 UJ	460 UJ	370 U	29000 U	290000 U	3700 U	7500 U
2-Methylnaphthalene	400 UJ	380 UJ	740	370 U	290000 JE	340000 D	10000	8900 D
Hexachlorocyclopentadiene	R	R	R	R	29000 U	R	3700 U	R
2,4,6-Trichlorophenol	R	380 UJ	460 UJ	370 U	29000 U	290000 U	3700 U	7500 U
2,4,5-Trichlorophenol	R	920 UJ	1100 UJ	880 U	69000 U	690000 U	9000 U	18000 U
2-Chloronaphthalene	400 UJ	380 UJ	460 U	370 U	29000 U	290000 U	3700 U	7500 U

TABLE E-14
TCL Semi-Volatile Organic Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB2-0406	SB3-2022	SB7-0408	SB8-1618	SB11-0810	SB11-0810DL	SB12-2022	SB12-2022DL
Sampling Date	10/5/94	10/6/94	10/4/94	10/5/94	10/11/94	10/11/94	10/12/94	10/12/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
2-Nitroaniline	950 UJ	920 UJ	1100 U	880 U	69000 U	690000 U	9000 U	18000 U
Dimethylphthalate	400 UJ	380 UJ	460 U	370 U	29000 U	290000 U	3700 U	7500 U
Acenaphthylene	400 UJ	380 UJ	60 J	370 U	48000	55000 JD	20000	20000 D
2,6-Dinitrotoluene	400 UJ	380 UJ	460 U	370 U	29000 U	290000 U	3700 U	7500 U
3-Nitroaniline	950 UJ	920 UJ	1100 U	880 U	69000 U	690000 U	9000 U	18000 U
Acenaphthene	400 UJ	380 UJ	420 J	370 U	240000 JE	580000 D	6800	5600 JD
2,4-Dinitrophenol	R	920 UJ	1100 UJ	880 U	69000 U	690000 U	9000 U	18000 U
4-Nitrophenol	R	920 UJ	1100 UJ	880 U	69000 U	690000 U	9000 U	18000 U
Dibenzofuran	400 UJ	380 UJ	460 U	370 U	170000	280000 JD	990 J	7500 U
2,4-Dinitrotoluene	400 UJ	380 UJ	460 U	370 U	29000 U	290000 U	3700 U	7500 U
Diethylphthalate	400 UJ	380 UJ	460 U	370 U	29000 U	290000 U	3700 U	7500 U
4-Chlorophenyl-phenylether	400 UJ	380 UJ	460 U	370 U	29000 U	290000 U	3700 U	7500 U
Fluorene	400 UJ	380 UJ	220 J	370 U	200000	350000 D	14000	11000 D
4-Nitroaniline	950 UJ	920 UJ	1100 U	880 U	69000 U	690000 U	9000 U	18000 U
4,6-Dinitro-2-methylphenol	R	920 UJ	1100 UJ	880 U	69000 U	690000 U	9000 U	18000 U
N-Nitrosodiphenylamine	400 UJ	380 UJ	460 U	370 U	29000 U	290000 U	3700 U	7500 U
4-Bromophenyl-phenylether	400 UJ	380 UJ	460 U	370 U	29000 U	290000 U	3700 U	7500 U
Hexachlorobenzene	400 UJ	380 UJ	460 U	370 U	29000 U	290000 U	3700 U	7500 U
Pentachlorophenol	R	920 UJ	1100 UJ	880 U	69000 U	690000 U	9000 U	18000 U
Phenanthrene	64 J	380 UJ	740	370 U	290000 JE	1300000 D	31000 JE	44000 D
Anthracene	400 UJ	380 UJ	120 J	370 U	29000 U	240000 JD	10000	6900 JD
Carbazole	400 UJ	380 UJ	460 U	370 U	82000	59000 JD	3700 U	7500 U
Di-n-butylphthalate	400 UJ	380 UJ	460 U	370 U	29000 U	290000 U	3700 U	7500 U
Fluoranthene	83 J	380 UJ	360 J	370 U	420000 JE	800000 D	25000	23000 D
Pyrene	78 J	380 UJ	520	370 U	360000 JE	730000 D	27000	33000 D
Butylbenzylphthalate	400 UJ	380 UJ	460 U	370 U	29000 U	290000 U	3700 U	7500 U
3,3'-Dichlorobenzidine	400 UJ	380 UJ	460 U	370 U	29000 U	290000 U	3700 U	7500 U

TABLE E-14
TCL Semi-Volatile Organic Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB2-0406	SB3-2022	SB7-0408	SB8-1618	SB11-0810	SB11-0810DL	SB12-2022	SB12-2022DL
Sampling Date	10/5/94	10/6/94	10/4/94	10/5/94	10/11/94	10/11/94	10/12/94	10/12/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
Benzo(a)anthracene	400 UJ	380 UJ	130 J	370 U	110000	250000 JD	7900	7200 JD
Chrysene	56 J	380 UJ	170 J	370 U	140000	210000 JD	8400	7200 JD
bis(2-Ethylhexyl)phthalate	400 UJ	380 UJ	460 U	370 U	29000 U	290000 U	3700 U	7500 U
Di-n-octylphthalate	400 UJ	380 UJ	460 U	370 U	29000 U	290000 U	3700 U	7500 U
Benzo(b)fluoranthene	400 UJ	380 UJ	73 J	370 U	72000	94000 JD	4600	2500 JD
Benzo(k)fluoranthene	400 UJ	380 UJ	95 J	370 U	52000 J	120000 JD	4200 J	3600 JD
Benzo(a)pyrene	400 UJ	380 UJ	83 J	370 U	110000	150000 JD	7800	5700 JD
Indeno(1,2,3-cd)pyrene	400 UJ	380 UJ	68 J	370 U	51000	66000 JD	3300 J	2400 JD
Dibenz(a,h)anthracene	400 UJ	380 UJ	460 U	370 U	16000 J	290000 U	740 J	7500 U
Benzo(g,h,i)perylene	400 UJ	380 UJ	97 J	370 U	48000	75000 JD	4300	3400 JD
Semi-Volatile TICs	81 J	79 J	3046 J	R	635000 J	1303000 JD	42700 J	60400 JD

TABLE E-14
TCL Semi-Volatile Organic Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB15-1214	SB16-1820	SB19-1416	SB19-1416DL	SB20-1012	SB23-1416	TP1-01	TP1-01DL
Sampling Date	10/13/94	10/13/94	10/17/94	10/17/94	10/14/94	10/12/94	10/4/94	10/4/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
Phenol	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	20000 U	200000 U
bis(2-Chloroethyl)ether	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	20000 U	200000 U
2-Chlorophenol	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	20000 U	200000 U
1,3-Dichlorobenzene	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	20000 U	200000 U
1,4-Dichlorobenzene	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	20000 U	200000 U
1,2-Dichlorobenzene	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	20000 U	200000 U
2-Methylphenol	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	20000 U	200000 U
2,2'-oxybis(1-Chloropropane)	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	20000 U	200000 U
4-Methylphenol	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	20000 U	200000 U
N-Nitroso-di-n-propylamine	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	20000 U	200000 U
Hexachloroethane	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	20000 U	200000 U
Nitrobenzene	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	20000 UJ	200000 U
Isophorone	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	20000 UJ	200000 U
2-Nitrophenol	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	20000 UJ	200000 U
2,4-Dimethylphenol	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	20000 UJ	200000 U
2,4-Dichlorophenol	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	20000 UJ	200000 U
1,2,4-Trichlorobenzene	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	20000 UJ	200000 U
Naphthalene	71000	120000	180000 JE	200000 D	390 U	16000000 U	710000 JE	1500000 D
4-Chloroaniline	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	20000 UJ	200000 U
Hexachlorobutadiene	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	20000 UJ	200000 U
bis(2-Chloroethoxy)methane	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	20000 UJ	200000 U
4-Chloro-3-Methylphenol	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	20000 UJ	200000 U
2-Methylnaphthalene	8200 J	54000	66000	63000 D	390 U	2400000 J	310000 JE	380000 D
Hexachlorocyclopentadiene	19000 U	19000 U	18000 UJ	37000 UJ	390 U	R	R	R
2,4,6-Trichlorophenol	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	20000 U	200000 U
2,4,5-Trichlorophenol	46000 U	45000 U	44000 U	88000 U	940 U	11000000 U	48000 U	480000 U
2-Chloronaphthalene	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	20000 U	200000 U

TABLE E-14
TCL Semi-Volatile Organic Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB15-1214	SB16-1820	SB19-1416	SB19-1416DL	SB20-1012	SB23-1416	TP1-01	TP1-01DL
Sampling Date	10/13/94	10/13/94	10/17/94	10/17/94	10/14/94	10/12/94	10/4/94	10/4/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
2-Nitroaniline	46000 U	45000 U	44000 U	88000 U	940 U	11000000 U	48000 U	480000 U
Dimethylphthalate	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	20000 U	200000 U
Acenaphthylene	5600 J	7200 J	48000	45000 D	390 U	3500000 J	230000 JE	540000 D
2,6-Dinitrotoluene	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	20000 U	200000 U
3-Nitroaniline	46000 U	45000 U	44000 U	88000 U	940 U	11000000 U	48000 U	480000 U
Acenaphthene	12000 J	31000	3400 J	37000 U	390 U	3500000 J	130000	210000 D
2,4-Dinitrophenol	46000 U	45000 U	44000 UJ	88000 UJ	940 U	11000000 U	48000 U	480000 U
4-Nitrophenol	46000 U	45000 U	44000 U	88000 U	940 U	11000000 U	48000 U	480000 U
Dibenzofuran	8200 J	2000 J	18000 U	37000 U	390 U	4600000 U	15000 J	200000 U
2,4-Dinitrotoluene	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	20000 U	200000 U
Diethylphthalate	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	20000 U	200000 U
4-Chlorophenyl-phenylether	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	20000 U	200000 U
Fluorene	11000 J	19000	19000	15000 JD	390 U	2500000 J	220000 JE	400000 D
4-Nitroaniline	46000 U	45000 U	44000 UJ	88000 UJ	940 U	11000000 U	48000 U	480000 U
4,6-Dinitro-2-methylphenol	46000 U	45000 U	44000 UJ	88000 UJ	940 U	11000000 U	48000 U	480000 U
N-Nitrosodiphenylamine	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	20000 U	200000 U
4-Bromophenyl-phenylether	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	20000 U	200000 U
Hexacblorobenzene	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	20000 U	200000 U
Pentachlorophenol	46000 U	45000 U	44000 U	88000 U	940 U	11000000 U	48000 U	480000 U
Phenanthrene	53000	65000	65000	65000 D	70 J	10000000	610000 JE	1200000 D
Anthracene	9500 J	9800 J	14000 J	14000 JD	390 U	1700000 J	150000	260000 D
Carbazole	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	2500 J	200000 U
Di-n-butylphthalate	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	20000 U	200000 U
Fluoranthene	31000	26000	25000	24000 JD	46 J	5100000	400000 JE	740000 D
Pyrene	35000	43000	43000	41000 D	58 J	7000000	460000 JE	980000 D
Butylbenzylphthalate	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	20000 U	200000 U
3,3'-Dichlorobenzidine	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	20000 U	200000 U

TABLE E-14
TCL Semi-Volatile Organic Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB15-1214	SB16-1820	SB19-1416	SB19-1416DL	SB20-1012	SB23-1416	TP1-01	TP1-01DL
Sampling Date	10/13/94	10/13/94	10/17/94	10/17/94	10/14/94	10/12/94	10/4/94	10/4/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
Benzo(a)anthracene	9300 J	8900 J	12000 J	12000 JD	390 U	1700000 J	180000 JE	260000 D
Chrysene	10000 J	9200 J	10000 J	10000 JD	390 U	1500000 J	210000 JE	280000 D
bis(2-Ethylhexyl)phthalate	19000 U	19000 U	18000 U	37000 U	100 J	4600000 U	20000 U	200000 U
Di-n-octylphthalate	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	20000 U	200000 U
Benzo(b)fluoranthene	5100 J	3400 J	3400 J	37000 U	390 U	670000 J	140000	110000 JD
Benzo(k)fluoranthene	7500 J	6500 J	4100 J	4800 JD	390 U	710000 J	85000	180000 JD
Benzo(a)pyrene	6900 J	6600 J	8100 J	8100 JD	390 U	1300000 J	200000 JE	270000 D
Indeno(1,2,3-cd)pyrene	19000 U	19000 U	2700 J	37000 U	390 U	520000 J	98000	120000 JD
Dibenz(a,h)anthracene	19000 U	19000 U	18000 U	37000 U	390 U	4600000 U	6100 J	26000 JD
Benzo(g,h,i)perylene	19000 U	19000 U	4000 J	37000 U	390 U	770000 J	130000	180000 JD
Semi-Volatile TICs	31100 J	164000 J	166500 J	173000 JD	R	8200000 J	3840000 J	1863000 JD

TABLE E-14
TCL Semi-Volatile Organic Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	TP1-02	TP1-02DL	TP2-01	TP2-01DL	TP3-01	TP3-01DL	TP4-01	TP5-01
Sampling Date	10/4/94	10/4/94	10/4/94	10/4/94	10/4/94	10/4/94	10/4/94	10/4/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
Phenol	18000 U	920000 U	4100 U	20000 U	10000 U	100000 U	R	9500 U
bis(2-Chloroethyl)ether	18000 U	920000 U	4100 U	20000 U	10000 U	100000 U	R	9500 U
2-Chlorophenol	18000 U	920000 U	4100 U	20000 U	10000 U	100000 U	R	9500 U
1,3-Dichlorobenzene	18000 U	920000 U	4100 U	20000 U	10000 U	100000 U	R	9500 U
1,4-Dichlorobenzene	18000 U	920000 U	4100 U	20000 U	10000 U	100000 U	R	9500 U
1,2-Dichlorobenzene	18000 U	920000 U	4100 U	20000 U	10000 U	100000 U	R	9500 U
2-Methylphenol	18000 U	920000 U	4100 U	20000 U	10000 U	100000 U	R	9500 U
2,2'-oxybis(1-Chloropropane)	18000 U	920000 U	4100 U	20000 U	10000 U	100000 U	R	9500 U
4-Methylphenol	18000 U	920000 U	4100 U	20000 U	10000 U	100000 U	R	9500 U
N-Nitroso-di-n-propylamine	18000 U	920000 U	4100 U	20000 U	10000 U	100000 U	R	9500 U
Hexachloroethane	18000 U	920000 U	4100 U	20000 U	10000 U	100000 U	R	9500 U
Nitrobenzene	18000 UJ	920000 U	4100 U	20000 U	10000 UJ	100000 U	R	9500 U
Isophorone	18000 UJ	920000 U	4100 U	20000 U	10000 UJ	100000 U	R	9500 U
2-Nitrophenol	18000 UJ	920000 U	4100 U	20000 U	10000 UJ	100000 U	R	9500 U
2,4-Dimethylphenol	18000 UJ	920000 U	4100 U	20000 U	10000 UJ	100000 U	R	9500 U
2,4-Dichlorophenol	18000 UJ	920000 U	4100 U	20000 U	10000 UJ	100000 U	R	9500 U
1,2,4-Trichlorobenzene	18000 UJ	920000 U	4100 U	20000 U	10000 UJ	100000 U	R	9500 U
Naphthalene	1800000 JE	4600000 D	31000	44000 D	380000 JE	620000 D	1200 J	2900 J
4-Chloroaniline	18000 UJ	920000 U	4100 U	20000 U	10000 UJ	100000 U	R	9500 U
Hexachlorobutadiene	18000 UJ	920000 U	4100 U	20000 U	10000 UJ	100000 U	R	9500 U
bis(2-Chloroethoxy)methane	18000 UJ	920000 U	4100 U	20000 U	10000 UJ	100000 U	R	9500 U
4-Chloro-3-Methylphenol	18000 UJ	920000 U	4100 U	20000 U	10000 UJ	100000 U	R	9500 U
2-Methylnaphthalene	690000 JE	740000 JD	3900 J	4300 JD	68000 J	73000 JD	750 J	9500 U
Hexachlorocyclopentadiene	R	R	R	R	10000 UJ	R	R	R
2,4,6-Trichlorophenol	18000 UJ	920000 U	4100 U	20000 U	10000 UJ	100000 U	R	9500 U
2,4,5-Trichlorophenol	44000 UJ	2200000 U	9900 U	49000 U	25000 UJ	250000 U	R	23000 U
2-Chloronaphthalene	18000 UJ	920000 U	4100 U	20000 U	10000 UJ	100000 U	R	9500 U

TABLE E-14
TCL Semi-Volatile Organic Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	TP1-02	TP1-02DL	TP2-01	TP2-01DL	TP3-01	TP3-01DL	TP4-01	TP5-01
Sampling Date	10/4/94	10/4/94	10/4/94	10/4/94	10/4/94	10/4/94	10/4/94	10/4/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
2-Nitroaniline	44000 UJ	2200000 U	9900 U	49000 U	25000 UJ	250000 U	R	23000 U
Dimethylphthalate	18000 UJ	920000 U	4100 U	20000 U	10000 UJ	100000 U	R	9500 U
Acenaphthylene	360000 JE	1200000 D	10000	11000 JD	7200 J	100000 U	57 J	1300 J
2,6-Dinitrotoluene	18000 UJ	920000 U	4100 U	20000 U	10000 UJ	100000 U	R	9500 U
3-Nitroaniline	44000 UJ	2200000 U	9900 U	49000 U	25000 UJ	250000 U	R	23000 U
Acenaphthene	82000 J	110000 JD	18000	23000 D	46000 J	54000 JD	280 J	1100 J
2,4-Dinitrophenol	44000 UJ	2200000 U	9900 U	49000 U	25000 UJ	250000 U	R	23000 U
4-Nitrophenol	44000 UJ	2200000 U	9900 U	49000 U	25000 UJ	250000 U	R	23000 U
Dibenzofuran	26000 J	920000 U	420 J	20000 U	10000 UJ	100000 U	R	1500 J
2,4-Dinitrotoluene	18000 UJ	920000 U	4100 U	20000 U	10000 UJ	100000 U	R	9500 U
Diethylphthalate	18000 UJ	920000 U	4100 U	20000 U	10000 UJ	100000 U	R	9500 U
4-Chlorophenyl-phenylether	18000 UJ	920000 U	4100 U	20000 U	10000 UJ	100000 U	R	9500 U
Fluorene	290000 JE	560000 JD	9300	11000 JD	28000 J	22000 JD	240 J	1800 J
4-Nitroaniline	44000 UJ	2200000 U	9900 U	49000 U	25000 UJ	250000 U	R	23000 U
4,6-Dinitro-2-methylphenol	44000 U	2200000 U	9900 U	49000 U	25000 UJ	250000 U	R	23000 U
N-Nitrosodiphenylamine	18000 U	920000 U	4100 U	20000 U	10000 UJ	100000 U	R	9500 U
4-Bromophenyl-phenylether	18000 U	920000 U	4100 U	20000 U	10000 UJ	100000 U	R	9500 U
Hexachlorobenzene	18000 U	920000 U	4100 U	20000 U	10000 UJ	100000 U	R	9500 U
Pentachlorophenol	44000 U	2200000 U	9900 U	49000 U	25000 UJ	250000 U	R	23000 U
Phenanthrene	830000 JE	2300000 D	29000	52000 D	25000 J	33000 JD	530 J	12000
Anthracene	240000 JE	440000 JD	8200	8300 JD	6600 J	100000 U	90 J	4200 J
Carbazole	6000 J	920000 U	4100 U	20000 U	10000 UJ	100000 U	R	9500 U
Di-n-butylphthalate	18000 U	920000 U	4100 U	20000 U	10000 UJ	100000 U	R	9500 U
Fluoranthene	540000 JE	1200000 D	33000 JE	58000 D	20000 J	17000 JD	180 J	44000
Pyrene	600000 JE	1500000 D	47000 JE	82000 D	26000	40000 JD	290 J	56000
Butylbenzylphthalate	18000 U	920000 U	4100 U	20000 U	10000 U	100000 U	R	9500 U
3,3'-Dichlorobenzidine	18000 U	920000 U	4100 U	20000 U	10000 U	100000 U	R	9500 U

TABLE E-14
TCL Semi-Volatile Organic Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	TP1-02	TP1-02DL	TP2-01	TP2-01DL	TP3-01	TP3-01DL	TP4-01	TP5-01
Sampling Date	10/4/94	10/4/94	10/4/94	10/4/94	10/4/94	10/4/94	10/4/94	10/4/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
Benzo(a)anthracene	230000 JE	340000 JD	18000	22000 D	8400 J	100000 U	86 J	31000
Chrysene	260000 JE	380000 JD	24000	29000 D	10000 J	100000 U	110 J	42000
bis(2-Ethylhexyl)phthalate	18000 U	920000 U	4100 U	20000 U	10000 U	100000 U	R	9500 U
Di-n-octylphthalate	18000 U	920000 U	4100 U	20000 U	10000 U	100000 U	R	9500 U
Benzo(b)fluoranthene	160000 JE	140000 JD	18000	17000 JD	4700 J	100000 U	R	42000
Benzo(k)fluoranthene	88000	230000 JD	16000	20000 JD	5600 J	100000 U	R	30000
Benzo(a)pyrene	230000 JE	330000 JD	22000	26000 D	7700 J	100000 U	57 J	47000
Indeno(1,2,3-cd)pyrene	100000	140000 JD	16000	19000 JD	3500 J	100000 U	R	38000 J
Dibenz(a,h)anthracene	6700 J	920000 U	3600 J	4200 JD	10000 U	100000 U	R	9500 U
Benzo(g,h,i)perylene	120000	190000 JD	23000	29000 D	4700 J	100000 U	R	47000 J
Semi-Volatile TICs	1226000 J	1460000 JD	96600 J	125900 JD	1200000 J	1912000 JD	1780 J	126700 J

TABLE E-14
TCL Semi-Volatile Organic Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	TP6-01	TP6-01DL	TP6-02	TP6-02DL	TP7-01	TP7-02	TP7-02DL	TP8-01
Sampling Date	10/4/94	10/4/94	10/4/94	10/4/94	10/3/94	10/3/94	10/3/94	10/4/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
Phenol	10000 U	100000 U	11000 U	110000 U	2100 U	26000 U	260000 U	800 U
bis(2-Chloroethyl)ether	10000 U	100000 U	11000 U	110000 U	2100 U	26000 U	260000 U	800 U
2-Chlorophenol	10000 U	100000 U	11000 U	110000 U	2100 U	26000 U	260000 U	800 U
1,3-Dichlorobenzene	10000 U	100000 U	11000 U	110000 U	2100 U	26000 U	260000 U	800 U
1,4-Dichlorobenzene	10000 U	100000 U	11000 U	110000 U	2100 U	26000 U	260000 U	800 U
1,2-Dichlorobenzene	10000 U	100000 U	11000 U	110000 U	2100 U	26000 U	260000 U	800 U
2-Methylphenol	10000 U	100000 U	11000 U	110000 U	2100 U	26000 U	260000 U	800 U
2,2'-oxybis(1-Chloropropane)	10000 U	100000 U	11000 U	110000 U	2100 U	26000 U	260000 U	800 U
4-Methylphenol	10000 U	100000 U	11000 U	110000 U	2100 U	26000 U	260000 U	800 U
N-Nitroso-di-n-propylamine	10000 U	100000 U	11000 U	110000 U	2100 U	26000 U	260000 U	800 U
Hexachloroethane	10000 U	100000 U	11000 U	110000 U	2100 U	26000 U	260000 U	800 U
Nitrobenzene	10000 UJ	100000 U	11000 UJ	110000 U	2100 U	26000 UJ	260000 U	800 UJ
Isophorone	10000 UJ	100000 U	11000 UJ	110000 U	2100 U	26000 UJ	260000 U	800 UJ
2-Nitrophenol	10000 UJ	100000 U	11000 UJ	110000 U	2100 U	26000 UJ	260000 U	800 UJ
2,4-Dimethylphenol	10000 UJ	100000 U	11000 UJ	110000 U	2100 U	26000 UJ	260000 U	800 UJ
2,4-Dichlorophenol	10000 UJ	100000 U	11000 UJ	110000 U	2100 U	26000 UJ	260000 U	800 UJ
1,2,4-Trichlorobenzene	10000 UJ	100000 U	11000 UJ	110000 U	2100 U	26000 UJ	260000 U	800 UJ
Naphthalene	370000 JE	620000 D	480000 JE	810000 D	20000 JE	760000 JE	1400000 D	45000 JE
4-Chloroaniline	10000 UJ	100000 U	11000 UJ	110000 U	2100 U	26000 UJ	260000 U	800 UJ
Hexachiorobutadiene	10000 UJ	100000 U	11000 UJ	110000 U	2100 U	26000 UJ	260000 U	800 UJ
bis(2-Chloroethoxy)methane	10000 UJ	100000 U	11000 UJ	110000 U	2100 U	26000 UJ	260000 U	800 UJ
4-Chloro-3-Methylphenol	10000 UJ	100000 U	11000 UJ	110000 U	2100 U	26000 UJ	260000 U	800 UJ
2-Methylnaphthalene	270000 JE	390000 D	330000 JE	450000 D	6000	590000 JE	1000000 D	39000 JE
Hexachlorocyclopentadiene	R	R	R	R	R	R	R	R
2,4,6-Trichlorophenol	10000 U	100000 U	11000 U	110000 U	2100 U	26000 U	260000 U	800 U
2,4,5-Trichlorophenol	24000 U	240000 U	27000 U	270000 U	5000 U	62000 U	620000 U	1900 U
2-Chloronaphthalene	10000 U	100000 U	11000 U	110000 U	2100 U	26000 U	260000 U	800 U

TABLE E-14
TCL Semi-Volatile Organic Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	TP6-01	TP6-01DL	TP6-02	TP6-02DL	TP7-01	TP7-02	TP7-02DL	TP8-01
Sampling Date	10/4/94	10/4/94	10/4/94	10/4/94	10/3/94	10/3/94	10/3/94	10/4/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
2-Nitroaniline	24000 U	240000 U	27000 U	270000 U	5000 U	62000 U	620000 U	1900 U
Dimethylphthalate	10000 U	100000 U	11000 U	110000 U	2100 U	26000 U	260000 U	800 U
Acenaphthylene	30000	34000 JD	30000	34000 JD	4200	58000	69000 JD	6700 JE
2,6-Dinitrotoluene	10000 U	100000 U	11000 U	110000 U	2100 U	26000 U	260000 U	800 U
3-Nitroaniline	24000 U	240000 U	27000 U	270000 U	5000 U	62000 U	620000 U	1900 U
Acenaphthene	120000 JE	230000 D	140000 JE	270000 D	17000 JE	220000 JE	400000 D	5600
2,4-Dinitrophenol	24000 U	240000 U	27000 U	270000 U	5000 U	62000 U	620000 U	1900 U
4-Nitrophenol	24000 U	240000 U	27000 U	270000 U	5000 U	62000 U	620000 U	1900 U
Dibenzofuran	14000	14000 JD	21000	22000 JD	1500 J	31000	36000 JD	1200
2,4-Dinitrotoluene	10000 U	100000 U	11000 U	110000 U	2100 U	26000 U	260000 U	800 U
Diethylphthalate	10000 U	100000 U	11000 U	110000 U	2100 U	26000 U	260000 U	800 U
4-Chlorophenyl-phenylether	10000 U	100000 U	11000 U	110000 U	2100 U	26000 U	260000 U	800 U
Fluorene	120000 JE	120000 D	140000 JE	140000 D	19000 JE	260000 JE	370000 D	6900 JE
4-Nitroaniline	24000 U	240000 U	27000 U	270000 U	5000 U	62000 U	620000 U	1900 U
4,6-Dinitro-2-methylphenol	24000 U	240000 U	27000 UJ	270000 U	5000 U	62000 U	620000 U	1900 U
N-Nitrosodiphenylamine	10000 U	100000 U	11000 UJ	110000 U	2100 U	26000 U	260000 U	800 U
4-Bromophenyl-phenylether	10000 U	100000 U	11000 UJ	110000 U	2100 U	26000 U	260000 U	800 U
Hexachlorobenzene	10000 U	100000 U	11000 UJ	110000 U	2100 U	26000 U	260000 U	800 U
Pentachlorophenol	24000 U	240000 U	27000 UJ	270000 U	5000 U	62000 U	620000 U	1900 U
Phenanthrene	190000 JE	360000 D	220000 JE	470000 D	25000 JE	380000 JE	730000 D	12000 JE
Anthracene	80000	88000 JD	100000 JE	130000 D	9200	140000	160000 JD	5400
Carbazole	1900 J	100000 U	4600 J	110000 U	320 J	8400 J	260000 U	96 J
Di-n-butylphthalate	10000 U	100000 U	11000 UJ	110000 U	2100 U	26000 U	260000 U	800 U
Fluoranthene	130000 JE	200000 D	140000 JE	250000 D	14000	210000	300000 D	5500
Pyrene	160000 JE	280000 D	170000 JE	320000 D	21000 JE	280000 JE	440000 D	8200 JE
Butylbenzylphthalate	10000 U	100000 U	11000 UJ	110000 U	2100 U	26000 U	260000 U	800 U
3,3'-Dichlorobenzidine	10000 U	100000 U	11000 UJ	110000 U	2100 U	26000 U	260000 U	800 U

TABLE E-14
TCL Semi-Volatile Organic Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	TP6-01	TP6-01DL	TP6-02	TP6-02DL	TP7-01	TP7-02	TP7-02DL	TP8-01
Sampling Date	10/4/94	10/4/94	10/4/94	10/4/94	10/3/94	10/3/94	10/3/94	10/4/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
Benzo(a)anthracene	65000	70000 JD	81000 J	91000 JD	9100	130000	140000 JD	4000
Chrysene	79000	87000 JD	96000 JE	110000 JD	11000	150000	180000 JD	4800
bis(2-Ethylhexyl)phthalate	10000 U	100000 U	11000 UJ	110000 U	2100 U	26000 U	260000 U	800 U
Di-n-octylphthalate	10000 U	100000 U	11000 UJ	110000 U	2100 U	26000 U	260000 U	800 U
Benzo(b)fluoranthene	34000	32000 JD	52000	48000 JD	6000	71000	73000 JD	1500
Benzo(k)fluoranthene	41000	42000 JD	46000	59000 JD	6100	77000	85000 JD	1800
Benzo(a)pyrene	56000	57000 JD	74000	82000 JD	8700	110000	120000 JD	3100
Indeno(1,2,3-cd)pyrene	29000 J	29000 JD	37000 J	43000 JD	5900	57000	61000 JD	1000
Dibenz(a,h)anthracene	2000 J	100000 U	2700 J	110000 U	2100 U	26000 U	260000 U	120 J
Benzo(g,h,i)perylene	40000 J	40000 JD	47000 J	54000 JD	7600	64000	75000 JD	1300
Semi-Volatile TICs	1465000 J	1390000 JD	2672000 J	1827000 JD	168000 J	3321000 J	4238000 JD	149600 J

TABLE E-14
TCL Semi-Volatile Organic Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	TP8-01DL	MW1-1820	MW2-0810	MW2-0810DL	MW4-0204	MW4-0204DL	MW8-0608	MW9-1618
Sampling Date	10/4/94	9/8/94	9/8/94	9/8/94	9/28/94	9/28/94	9/14/94	9/7/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
Phenol	16000 U	370 U	1900 U	R	5300 U	10000 U	2000 UJ	400 U
bis(2-Chloroethyl)ether	16000 U	370 U	1900 U	R	5300 U	10000 U	2000 UJ	400 U
2-Chlorophenol	16000 U	370 U	1900 U	R	5300 U	10000 U	2000 UJ	400 U
1,3-Dichlorobenzene	16000 U	370 U	1900 U	R	5300 U	10000 U	2000 UJ	400 U
1,4-Dichlorobenzene	16000 U	370 U	1900 U	R	5300 U	10000 U	2000 UJ	400 U
1,2-Dichlorobenzene	16000 U	370 U	1900 U	R	5300 U	10000 U	2000 UJ	400 U
2-Methylphenol	16000 U	370 U	1900 U	R	5300 U	10000 U	2000 UJ	400 U
2,2'-oxybis(1-Chloropropane)	16000 U	370 U	1900 U	R	5300 U	10000 U	2000 UJ	400 U
4-Methylphenol	16000 U	370 U	1900 U	R	5300 U	10000 U	2000 UJ	400 U
N-Nitroso-di-n-propylamine	16000 U	370 U	1900 U	R	5300 U	10000 U	2000 UJ	400 U
Hexachloroethane	16000 U	370 U	1900 U	R	5300 U	10000 U	2000 UJ	400 U
Nitrobenzene	16000 U	370 U	1900 U	R	5300 U	10000 U	2000 UJ	400 U
Isophorone	16000 U	370 U	1900 U	R	5300 U	10000 U	2000 UJ	400 U
2-Nitrophenol	16000 U	370 U	1900 U	R	5300 U	10000 U	2000 UJ	400 U
2,4-Dimethylphenol	16000 U	370 U	1900 U	R	5300 U	10000 U	2000 UJ	400 U
2,4-Dichlorophenol	16000 U	370 U	1900 U	R	5300 U	10000 U	2000 UJ	400 U
1,2,4-Trichlorobenzene	16000 U	370 U	1900 U	R	5300 U	10000 U	2000 UJ	400 U
Naphthalene	120000 D	370 U	50000 JE	R	49000 JE	66000 D	4600 J	400 U
4-Chloroaniline	16000 U	370 U	1900 U	R	5300 U	10000 U	2000 UJ	400 U
Hexachlorobutadiene	16000 U	370 U	1900 U	R	5300 U	10000 U	2000 UJ	400 U
bis(2-Chloroethoxy)methane	16000 U	370 U	1900 U	R	5300 U	10000 U	2000 UJ	400 U
4-Chloro-3-Methylphenol	16000 U	370 U	1900 U	R	5300 U	10000 U	2000 UJ	400 U
2-Methylnaphthalene	76000 D	370 U	41000 JE	R	29000	38000 D	930 J	400 U
Hexachlorocyclopentadiene	R	370 U	1900 U	R	5300 UJ	10000 U	R	400 U
2,4,6-Trichlorophenol	16000 U	370 U	1900 U	R	5300 U	10000 U	2000 UJ	400 U
2,4,5-Trichlorophenol	38000 U	880 U	4500 U	R	13000 U	25000 U	4900 UJ	960 U
2-Chloronaphthalene	16000 U	370 U	1900 U	R	5300 U	10000 U	2000 UJ	400 U

TABLE E-14
TCL Semi-Volatile Organic Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	TP8-01DL	MW1-1820	MW2-0810	MW2-0810DL	MW4-0204	MW4-0204DL	MW8-0608	MW9-1618
Sampling Date	10/4/94	9/8/94	9/8/94	9/8/94	9/28/94	9/28/94	9/14/94	9/7/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
2-Nitroaniline	38000 U	880 U	4500 U	R	13000 U	25000 U	4900 UJ	960 U
Dimethylphthalate	16000 U	370 U	1900 U	R	5300 U	10000 U	2000 UJ	400 U
Acenaphthylene	20000 D	370 U	22000 JE	R	2200 J	3200 JD	1800 J	400 U
2,6-Dinitrotoluene	16000 U	370 U	1900 U	R	5300 U	10000 U	2000 UJ	400 U
3-Nitroaniline	38000 U	880 U	4500 U	R	13000 U	25000 U	4900 UJ	960 U
Acenaphthene	14000 JD	370 U	2000	R	1500 J	2000 JD	5900 J	400 U
2,4-Dinitrophenol	38000 U	880 U	4500 U	R	R	25000 U	4900 UJ	960 U
4-Nitrophenol	38000 U	880 U	4500 U	R	13000 U	25000 U	4900 UJ	960 U
Dibenzofuran	1800 JD	370 U	740 J	R	5300 U	10000 U	2000 UJ	400 U
2,4-Dinitrotoluene	16000 U	370 U	1900 U	R	5300 U	10000 U	2000 UJ	400 U
Diethylphthalate	16000 U	370 U	1900 U	R	5300 U	10000 U	2000 UJ	400 U
4-Chlorophenyl-phenylether	16000 U	370 U	1900 U	R	5300 U	10000 U	2000 UJ	400 U
Fluorene	17000 D	370 U	9400	R	2200 J	3700 JD	2500 J	400 U
4-Nitroaniline	38000 U	880 U	4500 U	R	13000 U	25000 U	4900 UJ	960 U
4,6-Dinitro-2-methylphenol	38000 U	880 U	4500 U	R	R	25000 UJ	4900 UJ	960 U
N-Nitrosodiphenylamine	16000 U	370 U	1900 U	R	R	10000 UJ	2000 UJ	400 U
4-Bromophenyl-phenylether	16000 U	370 U	1900 U	R	R	10000 UJ	2000 UJ	400 U
Hexachlorobenzene	16000 U	370 U	1900 U	R	R	10000 UJ	2000 UJ	400 U
Pentachlorophenol	38000 U	880 U	4500 U	R	R	25000 UJ	4900 UJ	960 U
Phenanthrene	36000 D	370 U	27000 JE	R	14000 J	19000 JD	10000 J	400 U
Anthracene	9700 JD	370 U	6100	R	R	10000 UJ	2700 J	400 U
Carbazole	16000 U	370 U	1900 U	R	R	10000 UJ	2000 UJ	400 U
Di-n-butylphthalate	16000 U	370 U	1900 U	R	R	10000 UJ	2000 UJ	400 U
Fluoranthene	11000 JD	370 U	15000	R	25000 J	31000 JD	7600 J	400 U
Pyrene	18000 D	370 U	23000 JE	R	1200 J	22000 D	8500 J	400 U
Butylbenzylphthalate	16000 U	370 U	1900 U	R	5300 U	10000 U	2000 UJ	400 U
3,3'-Dichlorobenzidine	16000 U	370 U	1900 U	R	5300 U	10000 U	2000 UJ	400 U

TABLE E-14
TCL Semi-Volatile Organic Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	TP8-01DL	MW1-1820	MW2-0810	MW2-0810DL	MW4-0204	MW4-0204DL	MW8-0608	MW9-1618
Sampling Date	10/4/94	9/8/94	9/8/94	9/8/94	9/28/94	9/28/94	9/14/94	9/7/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
Benzo(a)anthracene	6100 JD	370 U	8000	R	7600	10000 JD	3600 J	400 U
Chrysene	7200 JD	370 U	6600	R	9500	13000 D	3600 J	400 U
bis(2-Ethylhexyl)phthalate	16000 U	84 J	1900 U	R	5300 U	10000 U	720 J	67 J
Di-n-octylphthalate	16000 U	370 U	1900 U	R	5300 U	10000 UJ	2000 UJ	400 U
Benzo(b)fluoranthene	1800 JD	370 U	5300	R	12000	14000 JD	2300 J	400 U
Benzo(k)fluoranthene	2500 JD	370 U	5400	R	11000	20000 JD	2600 J	400 U
Benzo(a)pyrene	4200 JD	370 U	11000	R	7500	9700 JD	3200 J	400 U
Indeno(1,2,3-cd)pyrene	16000 U	370 U	3900	R	8400	8600 JD	2000 J	400 U
Dibenz(a,h)anthracene	16000 U	370 U	1200 J	R	5300 U	10000 UJ	730 J	400 U
Benzo(g,h,i)perylene	1800 JD	370 U	4900	R	9500	9700 JD	1900 J	400 U
Semi-Volatile TICs	204600 JD	380 J	70340 J	76900 JD	328100 J	475600 J	110700 J	1020 J

TABLE E-14
TCL Semi-Volatile Organic Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	MW1004	MW1004DL	MW1103	MW1103D*	MW1403	MW1403DL	FB090894	FB100494
Sampling Date	9/20/94	9/21/94	9/21/94	9/21/94	9/22/94	9/22/94	9/8/94	10/4/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L
Compound								
Phenol	400 U	8000 U	490 U	420 U	21000 U	840000 U	12 B	R
bis(2-Chloroethyl)ether	400 U	8000 U	490 U	420 U	21000 U	840000 U	10 U	R
2-Chlorophenol	400 U	8000 U	490 U	420 U	21000 U	840000 U	10 U	R
1,3-Dichlorobenzene	400 U	8000 U	490 U	420 U	21000 U	840000 U	10 U	R
1,4-Dichlorobenzene	400 U	8000 U	490 U	420 U	21000 U	840000 U	10 U	R
1,2-Dichlorobenzene	400 U	8000 U	490 U	420 U	21000 U	840000 U	10 U	R
2-Methylphenol	400 U	8000 U	490 U	420 U	21000 U	840000 U	10 U	R
2,2'-oxybis(1-Chloropropane)	400 U	8000 U	490 U	420 U	21000 U	840000 U	10 U	R
4-Methylphenol	400 U	8000 U	490 U	420 U	21000 U	840000 U	10 U	R
N-Nitroso-di-n-propylamine	400 U	8000 U	490 U	420 U	21000 U	840000 U	10 U	R
Hexachloroethane	400 U	8000 U	490 U	420 U	21000 U	840000 U	10 U	R
Nitrobenzene	400 UJ	8000 U	490 U	420 U	26000 J	840000 U	10 U	R
Isophorone	400 UJ	8000 U	490 U	420 U	21000 UJ	840000 U	10 U	R
2-Nitrophenol	400 UJ	8000 U	490 U	420 U	21000 UJ	840000 U	10 U	R
2,4-Dimethylphenol	400 UJ	8000 U	490 U	420 U	21000 UJ	840000 U	10 U	R
2,4-Dichlorophenol	400 UJ	8000 U	490 U	420 U	21000 UJ	840000 U	10 U	R
1,2,4-Trichlorobenzene	400 UJ	8000 U	490 U	420 U	21000 UJ	840000 U	10 U	R
Naphthalene	400 UJ	8000 U	490 U	420 U	1800000 JE	5000000 D	10 U	R
4-Chloroaniline	400 UJ	8000 U	490 U	420 U	21000 UJ	840000 U	10 U	R
Hexachlorobutadiene	400 UJ	8000 U	490 U	420 U	21000 UJ	840000 U	10 U	R
bis(2-Chloroethoxy)methane	400 UJ	8000 U	490 U	420 U	21000 UJ	840000 U	10 U	R
4-Chloro-3-Methylphenol	400 UJ	8000 U	490 U	420 U	21000 UJ	840000 U	10 U	R
2-Methylnaphthalene	400 UJ	8000 U	490 U	420 U	840000 JE	970000 D	10 U	R
Hexachlorocyclopentadiene	400 UJ	8000 U	490 UJ	420 UJ	21000 U	840000 UJ	10 U	R
2,4,6-Trichlorophenol	400 U	8000 U	490 U	420 U	21000 U	840000 U	10 U	R
2,4,5-Trichlorophenol	960 U	19000 U	1200 U	1000 U	51000 U	2000000 U	25 U	R
2-Chloronaphthalene	400 U	8000 U	490 U	420 U	21000 U	840000 U	10 U	R

TABLE E-14
TCL Semi-Volatile Organic Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	MW1004	MW1004DL	MW1103	MW1103D*	MW1403	MW1403DL	FB090894	FB100494
Sampling Date	9/20/94	9/21/94	9/21/94	9/21/94	9/22/94	9/22/94	9/8/94	10/4/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L
Compound								
2-Nitroaniline	960 U	19000 U	1200 U	1000 U	51000 U	2000000 U	25 U	R
Dimethylphthalate	400 U	8000 U	490 U	420 U	21000 U	840000 U	10 U	R
Acenaphthylene	75 J	8000 U	490 U	420 U	170000 JE	460000 JD	10 U	R
2,6-Dinitrotoluene	400 U	8000 U	490 U	420 U	21000 U	840000 U	10 U	R
3-Nitroaniline	960 U	19000 U	1200 U	1000 U	51000 U	2000000 U	25.U	R
Acenaphthene	810	8000 U	490 U	420 U	420000 JE	1700000 D	10 U	R
2,4-Dinitrophenol	960 U	19000 U	1200 U	1000 U	51000 U	2000000 U	25 U	R
4-Nitrophenol	960 U	19000 U	1200 U	1000 U	51000 U	2000000 U	25 U	R
Dibenzofuran	150 J	8000 U	490 U	420 U	130000	210000 JD	10 U	R
2,4-Dinitrotoluene	400 U	8000 U	490 U	420 U	21000 U	840000 U	10 U	R
Diethylphthalate	400 U	8000 U	480 J	420 U	21000 U	840000 U	1 J	R
4-Chlorophenyl-phenylether	400 U	8000 U	490 U	420 U	21000 U	840000 U	10 U	R
Fluorene	980	8000 U	490 U	420 U	300000 JE	690000 JD	10 U	R
4-Nitroaniline	960 U	19000 U	1200 U	1000 U	51000 U	2000000 U	25 U	R
4,6-Dinitro-2-methylphenol	R	19000 U	1200 U	1000 U	51000 U	2000000 U	25 U	R
N-Nitrosodiphenylamine	1800 J	8000 U	490 U	420 U	21000 U	840000 U	10 U	R
4-Bromophenyl-phenylether	R	8000 U	490 U	420 U	21000 U	840000 U	10 U	R
Hexachlorobenzene	R	8000 U	490 U	420 U	21000 U	840000 U	10 U	R
Pentachlorophenol	R	19000 U	1200 U	1000 U	51000 U	2000000 U	25 U	R
Phenanthrene	120000 JE	2900 JD	490 U	420 U	900000 JE	2900000 D	10 U	R
Anthracene	15000 JE	8000 U	490 U	420 U	320000 JE	640000 JD	10 U	R
Carbazole	R	8000 U	490 U	420 U	77000	840000 U	10 U	R
Di-n-butylphthalate	R	8000 U	490 U	420 U	21000 U	840000 U	10 U	R
Fluoranthene	8300 JE	1400 JD	490 U	420 U	670000 JE	1600000 D	10 U	R
Pyrene	770000 JE	1700 JD	490 U	420 U	850000 JE	1900000 D	10 U	R
Butylbenzylphthalate	5400 JE	8000 U	490 U	420 U	21000 U	840000 U	10 U	R
3,3'-Dichlorobenzidine	R	8000 U	490 U	420 U	21000 U	840000 U	10 U	R

TABLE E-14
TCL Semi-Volatile Organic Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	MW1004	MW1004DL	MW1103	MW1103D*	MW1403	MW1403DL	FB090894	FB100494
Sampling Date	9/20/94	9/21/94	9/21/94	9/21/94	9/22/94	9/22/94	9/8/94	10/4/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L
Compound								
Benzo(a)anthracene	130000 JE	8000 U	490 U	420 U	360000 JE	510000 JD	10 U	R
Chrysene	160000 JE	8000 U	490 U	420 U	360000 JE	550000 JD	10 U	R
bis(2-Ethylhexyl)phthalate	160000 JE	8000 U	490 U	420 U	3000 J	840000 U	10 U	R
Di-n-octylphthalate	400 U	8000 U	490 U	420 U	21000 U	840000 U	10 U	R
Benzo(b)fluoranthene	140 J	8000 U	490 U	420 U	320000 JE	280000 JD	10 U	R
Benzo(k)fluoranthene	180 J	8000 U	490 U	420 U	120000	280000 JD	10 U	R
Benzo(a)pyrene	110 J	8000 U	280 J	420 U	380000 JE	530000 JD	10 U	R
Indeno(1,2,3-cd)pyrene	84 J	8000 U	490 U	420 U	150000 J	240000 JD	10 U	R
Dibenz(a,h)anthracene	400 U	8000 U	490 U	420 U	40000	840000 U	10 U	R
Benzo(g,h,i)perylene	63 J	8000 U	490 U	420 U	140000 J	290000 JD	10 U	R
Semi-Volatile TICs	21500 J	132100 J	3590 J	2583 J	6086000 J	3410000 JD	26 J	2 JB

* MW1103D is the duplicate of MW1103.

TABLE E-15
TCL Pesticides/PCBs - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB2-0406	SB3-2022	SB7-0408	SB8-1618	SB11-0810	SB12-2022	SB15-1214	SB16-1820
Sampling Date	10/5/94	10/5/94	10/4/94	10/5/94	10/11/94	10/12/94	10/13/94	10/13/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
alpha-BHC	R	2 U	2.3 UJ	R	44 U	R	R	R
beta-BHC	R	2 U	2.3 UJ	R	44 U	R	R	6.2 JNP
delta-BHC	R	2 U	2.3 UJ	R	44 U	R	R	R
gamma-BHC (Lindane)	R	2 U	2.3 UJ	R	44 U	R	R	R
Heptachlor	R	2 U	2.3 UJ	R	44 U	R	R	R
Aldrin	R	2 U	2.3 UJ	R	44 U	R	R	R
Heptachlor epoxide	R	2 U	2.3 UJ	R	44 U	R	R	R
Endosulfan I	R	2 U	2.3 UJ	R	44 U	R	R	R
Dieldrin	R	3.8 U	4.5 UJ	R	85 U	R	R	R
4,4'-DDE	R	3.8 U	4.5 UJ	R	85 U	R	R	R
Endrin	R	3.8 U	4.5 UJ	R	85 U	R	R	R
Endosulfan II	R	3.8 U	4.5 UJ	R	85 U	R	R	19 JNP
4,4'-DDD	R	3.8 U	4.5 UJ	R	85 U	2.9 JP	R	R
Endosulfan sulfate	R	3.8 U	4.5 UJ	R	85 U	R	12 J	R
4,4'-DDT	R	3.8 U	4.5 UJ	R	85 U	R	R	R
Methoxychlor	R	20 U	23 UJ	R	440 U	R	R	R
Endrin ketone	R	3.8 U	4.5 UJ	R	85 U	R	R	R
Endrin aldehyde	R	3.8 U	4.5 UJ	R	85 U	R	R	R
alpha-Chlordane	R	2 U	2.3 UJ	R	44 U	R	R	R
gamma-Chlordane	R	2 U	2.3 UJ	R	44 U	R	R	R
Toxaphene	R	200 U	230 UJ	R	4400 U	R	R	R
Aroclor-1016	R	38 U	45 UJ	R	850 U	R	R	R
Aroclor-1221	R	77 U	91 UJ	R	1700 U	R	R	R
Aroclor-1232	R	38 U	45 UJ	R	850 U	R	R	R
Aroclor-1242	R	38 U	45 UJ	R	850 U	R	R	R
Aroclor-1248	R	38 U	45 UJ	R	850 U	R	R	R
Aroclor-1254	R	38 U	45 UJ	R	850 U	R	R	R
Aroclor-1260	R	38 U	45 UJ	R	850 U	R	R	R

TABLE E-15
TCL Pesticides/PCBs - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB19-1416	SB20-1012	SB23-1416	TP1-01	TP1-02	TP2-01	TP3-01	TP4-01
Sampling Date	10/17/94	10/14/94	10/12/94	10/4/94	10/4/94	10/4/94	10/4/94	10/4/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
alpha-BHC	1.9 UJ	R	120 U	100 U	94 U	R	32 U	R
beta-BHC	1.9 UJ	R	120 U	100 U	94 U	R	32 U	R
delta-BHC	R	R	120 U	100 U	94 U	R	32 U	R
gamma-BHC (Lindane)	1.9 UJ	R	120 U	100 U	94 U	R	32 U	R
Heptachlor	1.9 UJ	R	120 U	100 U	94 U	R	32 U	R
Aldrin	1.9 UJ	R	120 U	100 U	94 U	R	32 U	R
Heptachlor epoxide	1.9 UJ	R	120 U	100 U	94 U	R	32 U	R
Endosulfan I	1.9 UJ	R	120 U	100 U	94 U	R	32 U	R
Dieldrin	3.6 UJ	R	230 U	R	180 U	R	63 U	R
4,4'-DDE	3.6 UJ	R	230 U	200 U	180 U	R	63 U	R
Endrin	3.6 UJ	R	230 U	200 U	100 JP	42 JNP	71 J	R
Endosulfan II	3.6 UJ	R	230 U	200 U	140 JNP	R	63 U	R
4,4'-DDD	3.6 UJ	R	230 U	200 U	180 U	R	63 U	R
Endosulfan sulfate	3.6 UJ	R	230 U	R	R	R	63 U	R
4,4'-DDT	3.6 UJ	R	230 U	200 U	180 U	R	63 U	R
Methoxychlor	19 UJ	R	1200 U	1000 U	940 U	R	320 U	R
Endrin ketone	3.6 UJ	R	230 U	200 U	180 U	R	63 U	R
Endrin aldehyde	3.6 UJ	R	230 U	200 U	180 U	R	63 U	R
alpha-Chlordane	1.9 UJ	R	120 U	100 U	94 U	R	32 U	R
gamma-Chlordane	1.9 UJ	R	120 U	100 U	94 U	R	32 U	R
Toxaphene	190 UJ	R	12000 U	10000 U	9400 U	R	3200 U	R
Aroclor-1016	36 UJ	R	2300 U	2000 U	1800 U	R	630 U	R
Aroclor-1221	74 UJ	R	4600 U	4000 U	3700 U	R	1300 U	R
Aroclor-1232	36 UJ	R	2300 U	2000 U	1800 U	R	630 U	R
Aroclor-1242	36 UJ	R	2300 U	2000 U	1800 U	R	630 U	R
Aroclor-1248	36 UJ	R	2300 U	2000 U	1800 U	R	630 U	R
Aroclor-1254	36 UJ	R	2300 U	2000 U	1800 U	R	630 U	R
Aroclor-1260	36 UJ	R	2300 U	2000 U	1800 U	R	630 U	R

TABLE E-15
TCL Pesticides/PCBs - Subsurface Soils
North Albany Former MGP Site

Sample Number	TP5-01	TP6-01	TP6-02	TP7-01	TP7-02	TP8-01	MW1-1820	MW2-0810	MW4-0204
Sampling Date	10/4/94	10/4/94	10/4/94	10/3/94	10/3/94	10/4/94	9/8/94	9/8/94	9/28/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound									
alpha-BHC	29 UJ	51 U	57 U	11 U	40 UJ	R	1.9 U	1.9 U	8.1 U
beta-BHC	29 UJ	51 U	57 U	11 U	40 UJ	R	1.9 U	1.9 U	8.1 U
delta-BHC	29 UJ	51 U	57 U	11 U	40 UJ	R	1.9 U	1.9 U	8.1 U
gamma-BHC (Lindane)	29 UJ	51 U	57 U	11 U	40 UJ	R	1.9 U	1.9 U	8.1 U
Heptachlor	29 UJ	51 U	57 U	11 U	40 UJ	R	1.9 U	1.9 U	8.1 U
Aldrin	29 UJ	51 U	57 U	11 U	40 UJ	R	1.9 U	1.9 U	8.1 U
Heptachlor epoxide	29 UJ	51 U	57 U	11 U	40 UJ	R	1.9 U	1.9 U	8.1 U
Endosulfan I	29 UJ	51 U	57 U	11 U	40 UJ	R	1.9 U	1.9 U	8.1 U
Dieldrin	56 UJ	R	R	21 U	77 UJ	R	3.6 U	3.7 U	16 U
4,4'-DDE	56 UJ	99 U	110 U	21 U	77 UJ	R	3.6 U	3.7 U	16 U
Endrin	34 J	R	R	R	68 J	R	3.6 U	3.7 U	16 U
Endosulfan II	56 UJ	120 JNP	110 U	21 U	67 J	R	3.6 U	3.7 U	16 U
4,4'-DDD	56 UJ	99 U	110 U	21 U	77 UJ	R	3.6 U	3.7 U	16 U
Endosulfan sulfate	56 UJ	R	R	21 U	R	R	3.6 U	R	16 U
4,4'-DDT	56 UJ	99 U	110 U	21 U	77 UJ	R	3.6 U	3.7 U	16 U
Methoxychlor	290 UJ	510 U	570 U	110 U	400 UJ	R	19 U	19 U	81 U
Endrin ketone	56 UJ	99 U	110 U	R	77 UJ	R	3.6 U	3.7 U	16 U
Endrin aldehyde	56 UJ	99 U	110 U	18 J	77 UJ	R	3.6 U	3.7 U	16 U
alpha-Chlordane	29 UJ	51 U	57 U	11 U	40 UJ	R	1.9 U	1.9 U	8.1 U
gamma-Chlordane	29 UJ	51 U	57 U	11 U	40 UJ	R	1.9 U	1.9 U	8.1 U
Toxaphene	2900 UJ	5100 U	5700 U	1100 U	4000 UJ	R	190 U	190 U	810 U
Aroclor-1016	560 UJ	990 U	1100 U	210 U	770 UJ	R	36 U	37 U	160 U
Aroclor-1221	1100 UJ	2000 U	2200 U	420 U	1600 UJ	R	74 U	76 U	320 U
Aroclor-1232	560 UJ	990 U	1100 U	210 U	770 UJ	R	36 U	37 U	160 U
Aroclor-1242	560 UJ	990 U	1100 U	210 U	770 UJ	R	36 U	37 U	160 U
Aroclor-1248	560 UJ	990 U	1100 U	210 U	770 UJ	R	36 U	37 U	R
Aroclor-1254	560 UJ	990 U	1100 U	210 U	770 UJ	R	36 U	37 U	160 U
Aroclor-1260	560 UJ	990 U	1100 U	210 U	770 UJ	R	36 U	37 U	350

TABLE E-15
TCL Pesticides/PCBs - Subsurface Soils
North Albany Former MGP Site

Sample Number	MW8-0608	MW9-1618	MW1004	MW1103	MW1103D*	MW1403	FB090894	FB100494
Sampling Date	9/14/94	9/7/94	9/20/94	9/21/94	9/21/94	9/22/94	9/8/94	10/4/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L
Compound								
alpha-BHC	2.1 UJ	2 U	2 U	10 JNP	2.3 U	54 U	0.05 UJ	0.05 U
beta-BHC	2.1 UJ	2 U	2 U	2.5 UJ	2.3 U	54 U	0.05 UJ	0.05 U
delta-BHC	2.1 UJ	2 U	2 U	2.5 UJ	2.3 U	54 U	0.05 UJ	0.05 U
gamma-BHC (Lindane)	2.1 UJ	2 U	13	2.5 UJ	2.3 U	54 U	0.05 UJ	0.05 U
Heptachlor	2.1 UJ	2 U	11	R	2.3 U	54 U	0.05 UJ	0.05 U
Aldrin	2.1 UJ	2 U	12	2.5 UJ	2.3 U	54 U	0.05 UJ	0.05 U
Heptachlor epoxide	2.1 UJ	2 U	2 U	2.5 UJ	2.3 U	54 U	0.05 UJ	0.05 U
Endosulfan I	2.1 UJ	2 U	2 U	2.5 UJ	2.3 U	54 U	0.05 UJ	0.05 U
Dieldrin	4 UJ	4 U	29	4.9 UJ	4.4 U	100 U	0.1 UJ	0.1 U
4,4'-DDE	4 UJ	4 U	4 U	4.9 UJ	4.4 U	100 U	0.1 UJ	0.1 U
Endrin	4 UJ	4 U	27	4.9 UJ	4.4 U	100 U	0.1 UJ	0.1 U
Endosulfan II	4 UJ	4 U	4 U	4.9 UJ	4.4 U	100 U	0.1 UJ	0.1 U
4,4'-DDD	4 UJ	4 U	4 U	4.9 UJ	4.4 U	100 U	0.1 UJ	0.1 U
Endosulfan sulfate	4 UJ	4 U	4 U	4.9 UJ	4.4 U	100 U	0.1 UJ	0.1 U
4,4'-DDT	4.2 JNP	4 U	30	4.9 UJ	4.4 U	100 U	0.1 UJ	0.1 U
Methoxychlor	21 UJ	20 U	20 U	25 UJ	23 U	540 U	0.5 UJ	0.5 U
Endrin ketone	4 UJ	4 U	4 U	4.9 UJ	4.4 U	100 U	0.1 UJ	0.1 U
Endrin aldehyde	4 UJ	4 U	4 U	4.9 UJ	4.4 U	100 U	0.1 UJ	0.1 U
alpha-Chlordane	2.1 UJ	2 U	2 U	2.5 UJ	2.3 U	54 U	0.05 UJ	0.05 U
gamma-Chlordane	2.1 UJ	2 U	2 U	2.5 UJ	2.3 U	54 U	0.05 UJ	0.05 U
Toxaphene	210 UJ	200 U	200 U	250 UJ	230 U	5400 U	5 UJ	5 U
Aroclor-1016	40 UJ	40 U	40 U	49 UJ	44 U	1000 U	1 UJ	1 U
Aroclor-1221	82 UJ	81 U	81 U	99 UJ	89 U	2100 U	2 UJ	2 U
Aroclor-1232	40 UJ	40 U	40 U	49 UJ	44 U	1000 U	1 UJ	1 U
Aroclor-1242	40 UJ	40 U	40 U	49 UJ	44 U	1000 U	1 UJ	1 U
Aroclor-1248	40 UJ	40 U	40 U	49 UJ	44 U	1000 U	1 UJ	1 U
Aroclor-1254	40 UJ	40 U	40 U	49 UJ	44 U	1000 U	1 UJ	1 U
Aroclor-1260	40 UJ	40 U	40 U	49 UJ	44 U	1000 U	1 UJ	1 U

* MW1103D is the duplicate of MW1103.

TABLE E-16
TAL Metals - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB2-0406	SB3-2022	SB7-0408	SB8-1618	SB11-0810	SB12-2022	SB15-1214	SB16-1820	SB19-1416
Sampling Date	10/5/94	10/5/94	10/4/94	10/5/94	10/11/94	10/12/94	10/13/94	10/13/94	10/17/94
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Analyte									
Aluminum	9790	10500	14400	11300	17300	11300	13600	12200	7450
Antimony	8.4 U	8.6 U	9.3 U	7.4 U	12.9 UJ	8.4 JB	7.9 UJ	9.3 JB	7.7 U
Arsenic	6.4 J	7.1 J	5.0 J	10.5 J	10.1 J	9.7 J	9.9 J	10.9 J	4.8
Barium	74.2	79	109	39.8	161	242	135	125	113 J
Beryllium	0.44 U	0.45 U	0.6 B	0.47 B	0.68 U	0.37 U	0.58 B	0.41 U	0.4 U
Cadmium	0.44 U	0.81 B	0.49 U	0.89 B	0.68 U	0.37 U	0.42 U	0.41 U	0.4 U
Calcium	19600	3870	4150	9770	8520	1950	1740	2410	21000
Chromium	12.9	17	18.9	17.4	20.1	16.3	20	17.9	11.3
Cobalt	8 B	11 B	11.5 B	15	15.4 B	18.4	17.7	17.3 J	9.6 B
Copper	31.5 J	29.4 J	21.8 J	32.3 J	29.3	34.1	42.4	38.6	22.5
Iron	18200	27500	24900	28600	37100	29000	32300	29300	20300
Lead	169	14.8	52.7	16.5	56.3	19.5	29.9	23.5	10.0
Magnesium	5120	5370	4760	8290	5950	5300	5820	5530	7550
Manganese	401 J	266 J	363 J	645 J	784	838	882	865	629
Mercury	0.44	0.11 U	0.14 U	0.11 U	0.17 U	0.11 U	0.12 U	0.11 U	0.11 U
Nickel	16.8	28.8	21.8	26.5	31.8	31.8	30.6	34	19.9
Potassium	1520	884 B	1920	1520	1480 B	1070	2100	1510	1030
Selenium	1.2 UJ	1.0 UJ	1.2 UJ	1.1 UJ	1.6 U	0.96 U	1.1 U	1.1 U	1.0 U
Silver	1.1 UJ	1.1 UJ	1.4 JB	0.97 UJ	1.7 UJ	0.93 UJ	1.0 U	1.0 U	7.7 J
Sodium	330 B	118 B	636 B	103 B	357 B	172 B	104 B	95.2 U	278 B
Thallium	1.2 U	1.0 U	1.2 U	1.1 U	1.6 U	0.96 U	1.1 UJ	1.1 UJ	1.0 U
Vanadium	28.4	23.7	30.5	25.3	37.2	23.8	28.5	25.7	16.3
Zinc	69.3 J	75.1 J	79.5 J	67.1 J	95.5	76.7	83.9	77.9	52.2 J

TABLE E-16
TAL Metals - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB20-1012	SB23-1416	TP1-01	TP1-02	TP2-01	TP3-01	TP4-01	TP5-01
Sampling Date	10/14/94	10/12/94	10/4/94	10/4/94	10/4/94	10/4/94	10/4/94	10/4/94
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Analyte								
Aluminum	9860 J	15500	1200	428	3520	6440	18400	13900
Antimony	8.0 UJ	9.4 UJ	8.1 U	8.5 U	7.9 U	8.9 U	11.5 U	8.6 U
Arsenic	8.8 J	6.1	2.0 JB	1.8 JB	9.8 J	11.4 J	20.8 J	31.3 J
Barium	143 J	126	5.6 B	4.6 B	49.1	70.5	607	438
Beryllium	0.42 U	0.78 B	0.43 U	0.45 U	0.42 U	0.54 B	1.9	1.4
Cadmium	0.42 U	0.5 U	0.43 U	0.45 U	0.91 B	0.54 B	1.6	1.4
Calcium	1800 J	7800	578 B	309 U	29600	20300	20800	14100
Chromium	14.4 J	18.6	5.6	1.3 B	7.9	10	23.7	16.3
Cobalt	16.9 J	13.6	1.3 U	2.2 B	6.6 B	5.3 B	10.8 B	7.2 B
Copper	36.0 J	34.4	13.8 J	30.9 J	262 J	97.5 J	16.8 J	11.8 J
Iron	26900 J	36700	1910	1240	16300	13000	42800	29200
Lead	18.8 J	51.0	44.6	31.7	353	847	10.6	8.1
Magnesium	4550 J	5430	331 U	346 U	2880	3350	2200	1610
Manganese	1020 J	1480	10.4 J	4.5 J	155 J	173 J	155 J	113 J
Mercury	0.12 U	0.14 U	0.12 U	0.11 U	0.19	0.13 U	0.17 U	0.22
Nickel	29.7 J	22	5.6 U	8.5 B	14.6	19.3	18.9	11.3
Potassium	826 B	1880	180 U	188 U	469 B	821 B	1210 B	981 B
Selenium	1.2 U	1.3 U	1.9 J	1.3 J	1.4 J	1.1 UJ	4.5 J	2.0 J
Silver	1.1 U	1.2 UJ	1.1 UJ	1.1 UJ	1.0 UJ	1.2 UJ	1.5 UJ	1.1 UJ
Sodium	147 B	252 B	123 B	103 U	242 B	645 B	1400 B	1070 B
Thallium	1.2 U	1.3 U	1.1 U	1.1 U	1.2 U	1.1 U	1.4 U	1.0 U
Vanadium	22.5 J	36.8	4.9 B	3.8 U	16.1	48.2	64.6	46.4
Zinc	82.9 J	89.3 J	12.7 J	35.2 J	129 J	120 J	31.4 J	22.4 J

TABLE E-16
TAL Metals - Subsurface Soils
North Albany Former MGP Site

Sample Number	TP6-01	TP6-02	TP7-01	TP7-02	TP8-01	MW1-1820	MW2-0810	MW4-0204
Sampling Date	10/4/94	10/4/94	10/3/94	10/3/94	10/4/94	9/8/94	9/8/94	9/27/94
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Analyte								
Aluminum	5300	2620	6360	8760	8450	8390	12000	3760
Antimony	8.3 U	8.3 U	8.4 U	10.7 U	7.8 U	6.3 U	5.6 U	12.3 B
Arsenic	4.6 J	8.9 J	13.4 J	15.0 J	10.5 J	5.9	7.5	2.1 B
Barium	35.8 B	27.3 B	55.9	90	108	77.9	93.4	56.2 B
Beryllium	0.44 U	0.44 U	0.44 U	0.58 B	0.41 U	0.82 U	0.72 U	0.59 U
Cadmium	0.44 U	0.44 U	0.44 U	0.56 U	0.55 B	1.2 J	1.6 J	0.59 U
Calcium	6210	2140	14100	5540	8790	3790	3320	301000
Chromium	5.4	4.1	9.7	10.1	12.2	13.2	18.5 J	5.9
Cobalt	11.2	7.5 B	8.5 B	8.4 B	10.7	11.3	18.6	1.8 U
Copper	19.7 J	15.8 J	30 J	31 J	22.9 J	18.3 J	35.9 J	74.3 J
Iron	10200	16200	19200	22300	27300	22600	27600	2980
Lead	45.6	76.8	145	53.9	11.3	8.9 J	12.0 J	80.9
Magnesium	382 B	1100	3260	2550	5400	5290	6120	3510
Manganese	47.7 J	47.3 J	351 J	413 J	1050 J	428	3440	445 J
Mercury	0.12 U	0.13 U	0.12 U	0.16 U	0.12 U	0.11 U	0.11 U	0.16 U
Nickel	21.4	22.9	17.3	21	20	21.9	50	18.2
Potassium	228 B	456 B	801 B	1140 B	1350	1570	1440	430 B
Selenium	3.2 J	7.1 J	4.9 J	2.5 J	1.1 UJ	1.0 U	1.1 U	1.5 UJ
Silver	1.1 UJ	1.1 UJ	1.1 UJ	1.4 UJ	1.0 UJ	1.4 U	1.3 U	1.5 U
Sodium	196 B	295 B	243 B	408 B	171 B	579 U	514 U	923 B
Thallium	1.1 U	1.3 U	1.2 U	1.4 U	1.1 U	1.0 U	1.1 U	1.5 U
Vanadium	13.6	15.2	20.5	24.5	22.2	23	24.3	7.6 B
Zinc	65 J	81 J	97.3 J	90 J	67.4 J	59.3 J	96.5 J	710 J

TABLE E-16
TAL Metals - Subsurface Soils
North Albany Former MGP Site

Sample Number	MW8-0608	MW9-1618	MW1004	MW1103	MW1103D*	MW1403	FB090894	FB100494
Sampling Date	9/14/94	9/8/94	9/20/94	9/20/94	9/20/94	9/22/94	9/8/94	10/4/94
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	ug/L	ug/L
Analyte								
Aluminum	14600	12600	17500	17900	18500	10500	84 U	57 U
Antimony	8.0 U	5.8 U	8.4 U	11.0 U	10.2 U	8.5 U	31.0 U	38.0 U
Arsenic	12.4 J	15.1	9.5 J	3.3 JB	4.0 JB	5.8	5.0 U	5.0 U
Barium	72.3	117	107	152	140	96.3	55 U	11 U
Beryllium	0.82 B	0.81 B	0.88 B	0.58 U	0.54 U	0.53 B	4 U	2 U
Cadmium	0.5 JB	0.51 JB	0.44 UJ	0.58 UJ	0.54 UJ	0.45 U	2 U	2 U
Calcium	2930	2630	1880	6010	4380	4980	4000 U	1390 U
Chromium	24.1 J	19.3 J	23.2 J	20 J	20.2 J	12.7 J	4 U	5 U
Cobalt	24.8 J	22.6	19.4 J	16.5	16.7 J	10.2 B	23 U	6 U
Copper	196	41.2 J	43.6	24.2	22.5	46.6 J	10 U	5 U
Iron	28800	41300	38900	34500	31400	23100	73 U	16 U
Lead	477	18.5 J	22.3 J	17.7 J	19.2 J	55.6	3.0 U	3.0 U
Magnesium	4020	6310	7010	6020	5470	3640	3320 U	1550 U
Manganese	194	1380	1390	1080	1070	831 J	5 U	2 U
Mercury	0.3	0.12 U	0.16	0.15 U	0.13 U	0.13 U	0.2 U	0.2 U
Nickel	75	39.3	34	30.8	22.1	18.5	38 U	26 U
Potassium	776 B	1780	1500	1470	1960	917 B	1690 U	840 U
Selenium	1.9 J	1.1 U	1.2 UJ	1.4 UJ	1.2 UJ	1.1 UJ	5.0 U	5.0 U
Silver	1.1 UJ	1.3 U	1.1 UJ	1.4 UJ	1.3 UJ	1.1 U	7.0 U	5.0 UJ
Sodium	304 B	534 U	102 U	134 U	124 U	123 B	2840 U	463 U
Thallium	1.2 U	1.1 U	1.2 U	1.4 U	1.2 U	1.1 U	5.0 U	5.0 U
Vanadium	50.1	29.8	36.3	36.2	39.6	24.8	22 U	17 U
Zinc	328	98.8 J	94	96.6	86.3	57.7 J	12 U	5 U

* MW1103D is the duplicate of MW1103.

TABLE E-17
Cyanide - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB1-0608	SB1-1012	SB1-1416	SB2-0406	SB2-1416	SB2-2022	SB3-0608	SB3-1416	SB3-2022
Sampling Date	10/4/94	10/4/94	10/4/94	10/5/94	10/5/94	10/5/94	10/6/94	10/6/94	10/6/94
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Analyte									
Cyanide	0.59 U	0.57 U	0.57 U	0.58 UJ	0.58 U	0.56 U	0.65 U	0.57 U	0.60 UJ

TABLE E-17
Cyanide - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB3-2628	SB4-0810	SB4-1618	SB4-2628	SB5-0406	SB5-1214	SB5-2022	SB6-0608	SB6-1214
Sampling Date	10/6/94	10/10/94	10/10/94	10/10/94	9/29/94	9/29/94	9/29/94	10/6/94	10/6/94
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Analyte									
Cyanide	0.54 U	0.63 UJ	0.60 UJ	0.56 UJ	0.54 U	0.56 U	0.54 U	0.66 U	0.60 U

TABLE E-17
Cyanide - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB6-1820	SB7-0408	SB7-1416	SB7-2224	SB8-0608	SB8-1618	SB8-2022	SB9-0608	SB9-1214
Sampling Date	10/6/94	10/4/94	10/4/94	10/4/94	10/5/94	10/5/94	10/5/94	10/5/94	10/5/94
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Analyte									
Cyanide	0.55 U	0.66 UJ	0.64 U	0.64 U	0.59 U	0.52 UJ	0.53 U	0.60 U	0.62 U

TABLE E-17
Cyanide - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB9-2022	SB10-0810	SB10-1416	SB10-2224	SB11-0204	SB11-0810	SB11-1416	SB11-2022	SB12-0204
Sampling Date	10/5/94	10/11/94	10/11/94	10/11/94	10/11/94	10/11/94	10/11/94	10/11/94	10/12/94
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Analyte									
Cyanide	0.57 U	0.69 U	0.56 U	0.54 U	0.86	0.83 U	0.59 U	0.58 U	0.60 U

TABLE E-17
Cyanide - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB12-0608	SB12-1214	SB12-2022	SB13-0204	SB14-0406	SB14-1012	SB14-1820	SB15-0608	SB15-1214
Sampling Date	10/12/94	10/12/94	10/12/94	10/18/94	10/18/94	10/18/94	10/18/94	10/13/94	10/13/94
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Analyte									
Cyanide	0.70 U	0.66 U	0.58 U	0.73 U	0.64 U	0.59 U	0.56 U	0.67 U	0.64 U

TABLE E-17
Cyanide - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB15-1820	SB16-0406	SB16-1214	SB16-1820	SB16-2021	SB17-0204	SB17-1012	SB17-1416	SB17-2224
Sampling Date	10/13/94	10/13/94	10/13/94	10/13/94	10/13/94	10/17/94	10/17/94	10/17/94	10/17/94
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Analyte									
Cyanide	0.57 U	0.63 U	0.55 U	0.49 U	0.56 U	0.62 U	1.01 U	0.61 U	0.54 U

TABLE E-17
Cyanide - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB18-0408	SB18-1214	SB18-1820	SB18-2224	SB19-0406	SB19-1012	SB19-1416	SB20-0204	SB20-0608
Sampling Date	10/18/94	10/18/94	10/18/94	10/18/94	10/17/94	10/17/94	10/17/94	10/14/94	10/14/94
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Analyte									
Cyanide	0.74 U	24.00	0.67 U	0.56 U	0.57 U	0.58 U	0.50 U	0.52 U	0.54 U

TABLE E-17
Cyanide - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB20-1012	SB23-0406	SB23-0810	SB23-1416	SB23-2022	SB36-1820*	SB37-1416*	SB40-0810*	TP1-01
Sampling Date	10/14/94	10/12/94	10/12/94	10/12/94	10/12/94	10/6/94	10/17/94	10/11/94	10/4/94
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Analyte									
Cyanide	0.57 U	0.58 U	0.65 U	0.61 U	0.56 U	0.55 U	0.60 U	0.65 U	0.50 UJ

* SB36-1820 is the duplicate of SB6-1820.
** SB37-1416 is the duplicate of SB17-1416.
*** SB40-0810 is the duplicate of SB10-0810.

TABLE E-17
Cyanide - Subsurface Soils
North Albany Former MGP Site

Sample Number	TP1-02	TP2-01	TP3-01	TP4-01	TP5-01	TP6-01	TP6-02	TP7-01	TP7-02
Sampling Date	10/4/94	10/4/94	10/4/94	10/4/94	10/4/94	10/4/94	10/4/94	10/3/94	10/3/94
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Analyte									
Cyanide	0.42 UJ	0.58 UJ	0.59 UJ	0.90 UJ	0.64 UJ	0.60 UJ	0.69 UJ	0.65 UJ	0.66 UJ

TABLE E-17
Cyanide - Subsurface Soils
North Albany Former MGP Site

Sample Number	TP8-01	MW1-0608	MW1-1820	MW1-2224	MW2-0204	MW2-0810	MW2-1820	MW3-6.58.5	MW3-10.512.5
Sampling Date	10/4/94	9/8/94	9/8/94	9/8/94	9/8/94	9/8/94	9/8/94	9/12/94	9/12/94
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Analyte									
Cyanide	0.51 UJ	0.50 U	R	0.50 U	0.50 U	R	0.50 U	0.50 U	0.50 U

TABLE E-17
Cyanide - Subsurface Soils
North Albany Former MGP Site

Sample Number	MW4-0204	MW4-0406	MW4-1214	MW4-1618	MW5-0408	MW5-1416	MW5-2022	MW6-0406	MW6-1214
Sampling Date	9/27/94	9/28/94	9/28/94	9/28/94	9/13/94	9/13/94	9/13/94	9/27/94	9/27/94
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Analyte									
Cyanide	12.4 J	6.84	0.90 U	7.62	0.50 U	0.50 U	0.50 U	0.57 U	0.60 U

TABLE E-17
Cyanide - Subsurface Soils
North Albany Former MGP Site

Sample Number	MW6-2022	MW8-0608	MW8-1416	MW8-1820	MW9-0608	MW9-1012	MW9-1618	MW12-0406	MW12-1416
Sampling Date	9/27/94	9/14/94	9/14/94	9/14/94	9/7/94	9/7/94	9/8/94	9/30/94	9/30/94
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Analyte									
Cyanide	0.94	0.58	0.50 U	0.50 U	0.50 U	0.50 U	R	0.63 U	0.58 U

TABLE E-17
Cyanide - Subsurface Soils
North Albany Former MGP Site

Sample Number	MW12-2224	MW13-1214	MW13-2426	MW33-2426	MW1001	MW1002	MW1003	MW1004	MW1005
Sampling Date	10/3/94	9/15/94	9/16/94	9/16/94	9/20/94	9/20/94	9/20/94	9/20/94	9/20/94
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Analyte									
Cyanide	0.57 U	0.50 U	0.50 U	0.50 U	0.50 UJ	2.00 J	0.50 UJ	0.61 U	0.50 UJ

TABLE E-17
Cyanide - Subsurface Soils
North Albany Former MGP Site

Sample Number	MW1007	MW1007D*	MW1101	MW1102	MW1103	MW1103D**	MW1104	MW1401	MW1402
Sampling Date	9/20/94	9/20/94	9/21/94	34598	9/20/94	9/20/94	34598	9/22/94	9/22/94
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Analyte									
Cyanide	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.75 U	0.65 U	0.50 UJ	0.61 U	0.66 U

* MW1007D is the duplicate of MW1007.

** MW1103D is the duplicate of MW1103.

TABLE E-17
Cyanide - Subsurface Soils
North Albany Former MGP Site

Sample Number	MW1403	MW1404	FB090894	FB2090894	FB092394	FB100494	FB100594	FB101194
Sampling Date	9/22/94	9/22/94	9/8/94	9/8/94	9/23/94	10/4/94	10/5/94	10/11/94
Units	mg/kg	mg/kg	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Analyte								
Cyanide	R	0.57 U	10 U	10 U	10 U	10 U	10 U	10 U

TABLE E-18
BTEX Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB1-0608	SB1-1012	SB1-1416	SB2-1416	SB2-2022	SB2-2022RE	SB3-0608	SB3-1416	SB3-2628
Sampling Date	10/4/94	10/4/94	10/4/94	10/5/94	10/5/94	10/5/94	10/6/94	10/6/94	10/6/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound									
Benzene	12 U	11 U	1 J	12 U	11 UJ	11 UJ	13 U	11 U	11 UJ
Toluene	12 U	3 J	7 J	12 U	11 UJ	11 UJ	13 U	11 U	4 J
Ethylbenzene	12 U	11 U	2 J	12 U	11 UJ	11 UJ	13 U	11 U	11 UJ
Xylene (total)	12 U	5 J	13	12 U	11 UJ	11 UJ	13 U	11 U	11 UJ

TABLE E-18
BTEX Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB3-2628RE	SB4-0810	SB4-1618	SB4-2628	SB4-2628RE	SB5-0406	SB5-1214	SB5-12141	SB5-2022
Sampling Date	10/6/94	10/10/94	10/10/94	10/10/94	10/10/94	9/29/94	9/29/94	9/29/94	9/29/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound									
Benzene	11 UJ	12 U	12 U	2 J	1 J	11 U	11 U	11 U	11 U
Toluene	1 J	12 U	12 U	1 J	11 UJ	11 U	11 U	11 U	11 U
Ethylbenzene	11 UJ	12 U	12 U	11 UJ	11 UJ	11 U	11 U	11 U	1 J
Xylene (total)	11 UJ	12 U	12 U	11 UJ	11 UJ	11 U	11 U	11 U	11 U

TABLE E-18
BTEX Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB6-0608	SB6-1214	SB6-1820	SB7-1416	SB7-2224	SB8-0608	SB8-2022	SB8-2022RE	SB9-0608
Sampling Date	10/6/94	10/6/94	10/6/94	10/4/94	10/4/94	10/5/94	10/5/94	10/5/94	10/5/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound									
Benzene	13 U	12 U	11 U	13 U	13 U	12 U	11 UJ	11 UJ	12 U
Toluene	13 U	12 U	11 U	13 U	13 U	12 U	11 UJ	2 J	4 J
Ethylbenzene	13 U	12 U	11 U	13 U	13 U	12 U	11 UJ	11 UJ	12 U
Xylene (total)	13 U	12 U	11 U	13 U	13 U	12 U	11 UJ	11 UJ	7 J

TABLE E-18
BTEX Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB9-1214	SB9-2022	SB10-0810	SB10-0810DL	SB10-1416	SB10-2224	SB11-0204	SB11-1416	SB11-1416DL
Sampling Date	10/5/94	10/5/94	10/11/94	10/11/94	10/11/94	10/11/94	10/11/94	10/11/94	10/11/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound									
Benzene	12 U	35	400000 JE	470000 D	25	3 J	2600	28000	35000 D
Toluene	12 U	11 U	220000 JE	240000 D	13	2 J	1500 J	18000	22000 D
Ethylbenzene	12 U	3 J	440000 JE	510000 D	23	7 J	3700	60000 JE	71000 D
Xylene (total)	12 U	11 U	120000 JE	140000 D	9 J	11 U	1300 J	46000	53000 D

TABLE E-18
BTEX Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB11-2022	SB12-0204	SB12-0608	SB12-0608DL	SB12-1214	SB12-1214DL	SB13-0204	SB13-0204RE	SB14-0406
Sampling Date	10/11/94	10/12/94	10/12/94	10/12/94	10/12/94	10/12/94	10/18/94	10/18/94	10/18/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound									
Benzene	990 J	14000	230000 JE	260000 D	38000 JE	42000 D	25 J	100 J	5 J
Toluene	620 J	8500	100000 JE	120000 D	26000	32000 D	23 J	83 J	2 J
Ethylbenzene	3100	15000	29000	35000 D	24000	28000 D	R	4 J	13 U
Xylene (total)	2800	7700	45000	52000 D	22000	27000 D	R	23 J	13 U

TABLE E-18
BTEX Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB14-1012	SB14-1820	SB14-1820DL	SB15-0608	SB15-1820	SB15-1820DL	SB16-0406	SB16-1214	SB16-1214DL
Sampling Date	10/18/94	10/18/94	10/18/94	10/13/94	10/13/94	10/13/94	10/13/94	10/13/94	10/13/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound									
Benzene	64	43000 JE	27000 D	3000	240000 JE	280000 D	4200	38000 JE	41000 D
Toluene	7 J	59000 JE	39000 D	380 J	58000 JE	71000 D	460 J	3900	5700 JD
Ethylbenzene	12 U	160000 JE	110000 D	19000	82000 JE	100000 D	2300	240000 JE	300000 D
Xylene (total)	4 J	130000 JE	89000 D	10000	190000 JE	240000 D	28000	250000 JE	310000 D

TABLE E-18
BTEX Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB16-2021	SB16-2021DL	SB17-0204	SB17-1012	SB17-1416	SB17-2224	SB17-2224RE	SB18-0408	SB18-0408DL
Sampling Date	10/13/94	10/13/94	10/17/94	10/17/94	10/17/94	10/17/94	10/17/94	10/18/94	10/18/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound									
Benzene	3100	3800 JD	65	7 J	21	42 J	33 J	200000 JE	260000 D
Toluene	990 J	1800 JD	29	4 J	5 J	19 J	14 J	570000 JE	760000 D
Ethylbenzene	44000 JE	62000 D	10 J	20 U	12 U	R	4 J	750000 JE	1100000 D
Xylene (total)	38000	54000 D	5 J	20 U	12 U	R	11 UJ	910000 JE	1400000 D

TABLE E-18
BTEX Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB18-1214	SB18-1214DL	SB18-1820	SB18-1820DL	SB18-2224	SB19-0406	SB19-1012	SB19-1012DL	SB20-0204
Sampling Date	10/18/94	10/18/94	10/18/94	10/18/94	10/18/94	10/17/94	10/17/94	10/17/94	10/14/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound									
Benzene	690000 JE	1300000 D	980000 JE	1600000 D	10000	31	460000 JE	410000 D	11 U
Toluene	660000 JE	1700000 D	1200000 JE	2300000 D	14000	16	470000 JE	370000 D	11 U
Ethylbenzene	220000 JE	190000 JD	320000 JE	220000 D	6600	10 J	550000 JE	790000 D	11 U
Xylene (total)	620000 JE	1600000 D	1100000 JE	1800000 D	14000	6 J	680000 JE	560000 D	11 U

TABLE E-18
BTEX Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB20-0608	SB23-0206	SB23-0810	SB23-0810DL	SB23-2022	SB23-2022DL	SB36-1820*	SB37-1416**	SB40-0810***
Sampling Date	10/14/94	10/12/94	10/12/94	10/12/94	10/12/94	10/12/94	10/6/94	10/17/94	10/11/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound									
Benzene	11 U	4100	95000 JE	110000 D	360 JE	90 D	11 U	20	610000 JE
Toluene	11 U	3700	76000 JE	100000 D	4 J	56 U	11 U	5 J	340000 JE
Ethylbenzene	11 U	8400	180000 JE	250000 D	280 JE	250 D	11 U	12 U	330000 JE
Xylene (total)	11 U	4900	61000	83000 D	110	51 JD	11 U	12 U	170000 JE

* SB36-1820 is the duplicate of SB6-1820.
** SB37-1416 is the duplicate of SB17-1416.
*** SB40-0810 is the duplicate of SB10-0810.

TABLE E-18
BTEX Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB40-0810DL***	MW1-0608	MW1-2224	MW1-2224RE	MW2-0204	MW2-1820	MW2-1820DL	MW3-6.58.5	MW3-10.512.5
Sampling Date	10/11/94	9/8/94	9/8/94	9/8/94	9/8/94	9/8/94	9/8/94	9/12/94	9/12/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound									
Benzene	700000 D	12 U	11 UJ	11 UJ	11 U	130000 J	110000 D	13	2 J
Toluene	360000 D	12 U	R	R	11 U	350000 JE	300000 D	12 U	11 U
Ethylbenzene	850000 D	12 U	R	R	11 U	380000 JE	320000 D	12 U	11 U
Xylene (total)	230000 D	12 U	R	R	11 U	320000 J	270000 D	12 U	11 U

*** SB40-0810 is the duplicate of SB10-0810.

TABLE E-18
BTEX Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	MW4-0406	MW4-0406DL	MW4-1214	MW4-1214DL	MW4-1618	MW4-1618RE	MW5-0408	MW5-1416	MW5-1416DL
Sampling Date	9/28/94	10/4/94	9/28/94	9/28/94	9/28/94	9/28/94	9/13/94	9/13/94	9/12/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound									
Benzene	100	320 JD	310 JE	430 JD	8 J	5 J	11000	92000 JE	80000 D
Toluene	180	550 JD	460 JE	610 JD	6 J	12 UJ	11000	110000 JE	100000 D
Ethylbenzene	980 JE	2500 D	2100 JE	5000 D	6 J	1 J	16000	180000 JE	150000 D
Xylene (total)	1600 JE	3600 D	3300 JE	12000 D	7 J	12 UJ	18000	140000 JE	120000 D

TABLE E-18
BTEX Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	MW5-2022	MW5-2022DL	MW6-0406	MW6-0406DL	MW6-1214	MW6-1214DL	MW6-2022	MW8-1416	MW8-1820
Sampling Date	9/13/94	9/13/94	9/27/94	9/27/94	9/27/94	9/27/94	9/27/94	9/14/94	9/14/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound									
Benzene	24000	17000 D	4800 JE	44000 D	400 JE	2700 D	50	3 J	11 U
Toluene	36000	28000 D	7400 JE	68000 D	890 JE	3900 D	50	12 U	11 U
Ethylbenzene	98000 JE	77000 D	5300 JE	190000 D	1400 JE	11000 D	88	27	1 J
Xylene (total)	92000	72000 D	5500 JE	78000 D	830 JE	4700 D	39	6 J	11 U

TABLE E-18
BTEX Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	MW1002	MW1003	MW1005	MW1005DL	MW1007	MW1007D*	MW1007DRE*	MW1101	MW1102
Sampling Date	9/20/94	9/20/94	9/20/94	9/20/94	9/20/94	9/20/94	9/20/94	9/21/94	9/21/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound									
Benzene	11 U	57 U	57 U	1400 U	28	180 J	55 J	13 U	12 U
Toluene	28	57 U	57 U	1400 U	11 U	2 J	11 UJ	13 U	12 U
Ethylbenzene	11 U	21 J	3900 JE	13000 D	11 U	11 UJ	11 UJ	13 U	12 U
Xylene (total)	11 U	18 J	1900 J	4600 D	11 U	11 UJ	11 UJ	13 U	12 U

* MW1007D is the duplicate of MW1007.

TABLE E-18
BTEX Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	MW9-0608	MW9-1012	MW12-0406	MW12-1416	MW12-2224	MW13-1214	MW13-2426	MW33-2426*	MW1001
Sampling Date	9/8/94	9/7/94	9/30/94	9/30/94	10/3/94	9/15/94	9/16/94	9/16/94	9/20/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound									
Benzene	12 U	11 U	13 U	12 U	11 U	8 J	3200	6500	11 U
Toluene	12 U	11 U	13 U	12 U	11 U	11 U	180 J	370 J	11 U
Ethylbenzene	12 U	11 U	13 U	12 U	11 U	52	6800	12000	11 U
Xylene (total)	12 U	11 U	13 U	12 U	11 U	24	2900	4800	11 U

* MW33-2426 is the duplicate of MW13-2426.

TABLE E-18
BTEX Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	MW1104	MW1401	MW1402	MW1402DL	MW1404	FB090894	FB092394	FB100594	FB101194	FB101994
Sampling Date	9/21/94	9/22/94	9/22/94	9/22/94	9/22/94	9/8/94	9/23/94	10/5/94	10/11/94	10/19/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L	ug/L	ug/L	ug/l
Compound										
Benzene	11 U	5 J	16000	19000 D	2 J	10 U	10 U	10 U	10 UJ	10 U
Toluene	11 U	2 J	1600	1900 JD	11 U	10 U	10 U	10 U	10 UJ	10 U
Ethylbenzene	11 U	2 J	66000 JE	80000 D	3 J	10 U	10 U	10 U	10 UJ	10 U
Xylene (total)	11 U	12 U	25000	30000 D	11 U	10 U	10 U	10 U	10 UJ	10 U

TABLE E-19
PAH Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB1-0608	SB1-1012	SB1-1416	SB2-1416	SB2-1416RE	SB2-2022	SB2-2022RE	SB3-0608
Sampling Date	10/4/94	10/4/94	10/4/94	10/5/94	10/5/94	10/5/94	10/5/94	10/6/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
Naphthalene	790 U	380 U	380 U	390 U	390 U	370 U	370 U	430 U
Acenaphthylene	790 U	380 U	380 U	390 U	390 U	370 U	370 U	430 U
Acenaphthene	790 U	380 U	380 U	390 U	390 U	370 U	370 U	430 U
Fluorene	790 U	380 U	380 U	390 U	390 U	370 U	370 U	430 U
Phenanthrene	790 U	380 U	380 U	390 U	390 U	370 U	370 U	430 U
Anthracene	790 U	380 U	380 U	390 U	390 U	370 U	370 U	430 U
Fluoranthene	790 U	380 U	380 U	390 U	390 U	370 U	370 U	430 U
Pyrene	790 U	380 U	380 U	390 U	390 U	370 U	370 U	430 U
Benzo(a)anthracene	790 U	380 U	380 U	390 U	390 U	370 U	370 U	430 U
Chrysene	790 U	380 U	380 U	390 U	390 U	370 U	370 U	430 U
Benzo(b)fluoranthene	790 U	380 U	380 U	390 U	390 U	370 U	370 U	430 U
Benzo(k)fluoranthene	790 U	380 U	380 U	390 U	390 U	370 U	370 U	430 U
Benzo(a)pyrene	790 U	380 U	380 U	390 U	390 U	370 U	370 U	430 U
Indeno(1,2,3-cd)pyrene	790 UJ	380 UJ	380 UJ	390 U	390 UJ	370 U	370 UJ	430 UJ
Dibenz(a,h)anthracene	790 U	380 U	380 U	390 U	390 U	370 U	370 U	430 U
Benzo(g,h,i)perylene	790 UJ	380 UJ	380 UJ	390 U	390 UJ	370 U	370 UJ	430 UJ

TABLE E-19
PAH Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB3-1416	SB3-1416RE	SB3-2628	SB3-2628RE	SB4-0810	SB4-1618	SB4-2628	SB5-0406
Sampling Date	10/6/94	10/6/94	10/5/94	10/5/94	10/10/94	10/10/94	10/10/94	9/29/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
Naphthalene	380 UJ	380 UJ	360 U	360 U	190 J	400 UJ	140 J	370 U
Acenaphthylene	380 UJ	380 UJ	360 UJ	360 UJ	390 J	400 UJ	370 UJ	370 U
Acenaphthene	380 UJ	380 UJ	360 UJ	360 UJ	140 J	400 UJ	370 UJ	370 U
Fluorene	380 UJ	380 UJ	360 UJ	360 UJ	930 J	400 UJ	370 UJ	370 U
Phenanthrene	R	380 UJ	R	360 U	3300 J	400 UJ	370 UJ	130 J
Anthracene	R	380 UJ	R	360 U	1500 J	400 UJ	370 UJ	370 UJ
Fluoranthene	R	380 UJ	R	360 U	3000 J	400 UJ	370 UJ	66 J
Pyrene	R	380 U	R	360 U	3000 J	400 UJ	370 UJ	50 J
Benzo(a)anthracene	R	380 U	R	360 U	1800 J	400 UJ	370 UJ	370 U
Chrysene	R	380 U	R	360 U	1700 J	400 UJ	370 UJ	370 U
Benzo(b)fluoranthene	R	380 U	360 UJ	360 U	640 J	400 UJ	370 UJ	370 U
Benzo(k)fluoranthene	R	380 U	360 UJ	360 U	770 J	400 UJ	370 UJ	370 U
Benzo(a)pyrene	R	380 U	360 UJ	360 U	850 J	400 UJ	370 UJ	370 U
Indeno(1,2,3-cd)pyrene	R	380 UJ	360 UJ	360 UJ	310 J	400 UJ	370 UJ	370 UJ
Dibenz(a,h)anthracene	R	380 U	360 UJ	360 U	52 J	400 UJ	370 UJ	370 U
Benzo(g,h,i)perylene	R	380 UJ	360 UJ	360 UJ	280 J	400 UJ	370 UJ	370 UJ

TABLE E-19
PAH Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB5-0406RE	SB5-1214	SB5-2022	SB6-0608	SB6-0608RE	SB6-1214	SB6-1214RE	SB6-1820
Sampling Date	9/29/94	9/29/94	9/29/94	10/6/94	10/6/94	10/6/94	10/6/94	10/6/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
Naphthalene	45 J	100 J	170 J	460 U	460 U	70 J	65 J	1000
Acenaphthylene	370 UJ	360 U	390 U	460 UJ	460 UJ	43 J	43 J	1000
Acenaphthene	370 UJ	360 U	450	460 UJ	460 UJ	42 J	51 J	580
Fluorene	370 UJ	46 J	360 J	460 UJ	460 UJ	400 UJ	400 UJ	660
Phenanthrene	130 J	270 J	1200	50 J	460 UJ	230 J	260 J	1100 J
Anthracene	370 UJ	44 J	210 J	R	460 UJ	R	400 UJ	90 J
Fluoranthene	84 J	160 J	1400	R	100 J	170 J	210 J	88 J
Pyrene	69 J	180 J	2200	63 J	90 J	240 J	340 J	130 J
Benzo(a)anthracene	370 U	140 J	1400	R	460 UJ	400 UJ	400 UJ	370 UJ
Chrysene	370 U	100 J	1500	R	460 UJ	400 UJ	400 UJ	370 UJ
Benzo(b)fluoranthene	370 U	360 U	390 U	460 UJ	460 UJ	400 UJ	400 UJ	370 UJ
Benzo(k)fluoranthene	370 U	360 U	700	460 UJ	460 UJ	400 UJ	400 UJ	370 UJ
Benzo(a)pyrene	370 U	360 U	990	460 UJ	460 UJ	400 UJ	400 UJ	370 UJ
Indeno(1,2,3-cd)pyrene	370 UJ	360 UJ	390 UJ	460 UJ	460 UJ	400 UJ	400 UJ	370 UJ
Dibenz(a,h)anthracene	370 U	360 U	390 U	460 UJ	460 UJ	400 UJ	400 UJ	370 UJ
Benzo(g,h,i)perylene	370 UJ	360 UJ	390 UJ	460 UJ	460 UJ	400 UJ	400 UJ	370 UJ

TABLE E-19
PAH Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB6-1820RE	SB7-1416	SB7-2224	SB7-2224RE	SB8-0608	SB8-0608RE	SB8-2022	SB8-2022RE
Sampling Date	10/6/94	10/4/94	10/4/94	10/4/94	10/5/94	10/5/94	10/5/94	10/5/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
Naphthalene	1100 J	46 J	150 J	120 J	350 U	350 U	440 U	440 U
Acenaphthylene	980 J	430 UJ	380 U	380 UJ	350 U	350 U	440 UJ	440 UJ
Acenaphthene	720 J	430 UJ	380 U	380 UJ	200 J	220 J	440 UJ	440 UJ
Fluorene	780 J	430 UJ	380 U	380 UJ	350 U	350 U	440 UJ	440 UJ
Phenanthrene	370 UJ	R	380 U	R	350 UJ	350 U	R	440 UJ
Anthracene	1300 J	R	380 U	R	350 UJ	350 U	R	440 UJ
Fluoranthene	370 UJ	R	380 U	R	350 UJ	350 U	R	440 UJ
Pyrene	370 UJ	430 U	380 U	380 UJ	350 UJ	350 UJ	R	440 U
Benzo(a)anthracene	370 UJ	430 U	380 U	380 UJ	350 UJ	350 UJ	R	440 U
Chrysene	370 UJ	430 U	380 U	380 UJ	350 UJ	350 UJ	R	440 U
Benzo(b)fluoranthene	370 UJ	430 U	380 U	380 UJ	350 UJ	R	440 UJ	440 U
Benzo(k)fluoranthene	370 UJ	430 U	380 U	380 UJ	350 UJ	R	440 UJ	440 U
Benzo(a)pyrene	370 UJ	430 U	380 U	380 UJ	350 UJ	R	440 UJ	440 U
Indeno(1,2,3-cd)pyrene	370 UJ	430 UJ	380 UJ	380 UJ	350 UJ	R	440 UJ	440 UJ
Dibenz(a,h)anthracene	370 UJ	430 U	380 U	380 UJ	350 UJ	R	440 UJ	440 U
Benzo(g,h,i)perylene	370 UJ	430 UJ	380 UJ	380 UJ	350 UJ	R	440 UJ	440 UJ

TABLE E-19
PAH Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB9-0608	SB9-1214	SB9-2022	SB10-0810	SB10-0810DL	SB10-1416	SB10-2224	SB11-0204
Sampling Date	10/5/94	10/5/94	10/5/94	10/11/94	10/10/94	10/10/94	10/11/94	10/11/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
Naphthalene	1000 J	410 U	940	26000000 JE	71000000 D	210 J	1100	63000
Acenaphthylene	360 J	410 U	110 J	6100000	8800000 JD	410 UJ	760	38000 J
Acenaphthene	280 J	410 U	60 J	980000	1200000 JD	200 J	3200	100000
Fluorene	690 J	410 U	380 U	3000000	3900000 JD	41 J	660 J	84000
Phenanthrene	4500	410 U	380 U	8500000 JE	16000000 D	56 J	410 J	95000
Anthracene	1000 J	410 U	380 U	3800000	5000000 JD	410 UJ	79 J	62000
Fluoranthene	5400	410 U	380 U	5400000	8100000 JD	410 UJ	210 J	190000
Pyrene	4700	410 U	380 U	6700000	12000000 D	410 UJ	310 J	280000
Benzo(a)anthracene	2500	410 U	380 U	2100000	2500000 JD	410 UJ	74 J	64000
Chrysene	2600	410 U	380 U	2400000	3100000 JD	410 UJ	75 J	75000
Benzo(b)fluoranthene	1400 J	410 U	380 U	1300000	1000000 JD	410 UJ	720 U	35000 J
Benzo(k)fluoranthene	2000	410 U	380 U	1100000	1200000 JD	410 UJ	720 U	47000 J
Benzo(a)pyrene	1800	410 U	380 U	1800000	2100000 JD	410 UJ	720 U	53000
Indeno(1,2,3-cd)pyrene	1200 J	410 UJ	380 UJ	770000 J	9200000 U	410 UJ	720 U	35000 J
Dibenz(a,h)anthracene	260 J	410 U	380 U	920000 U	9200000 U	410 UJ	720 U	52000 U
Benzo(g,h,i)perylene	960 J	410 UJ	380 UJ	1100000	950000 JD	410 UJ	720 U	50000 J

TABLE E-19
PAH Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB11-1416	SB11-1416DL	SB11-2022	SB12-0204	SB12-0204DL	SB12-0608	SB12-0608DL	SB12-1214
Sampling Date	10/11/94	10/11/94	10/11/94	10/12/94	10/12/94	10/12/94	10/12/94	10/10/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
Naphthalene	670000 JE	1700000 D	17000	4300	4600 JD	20000000 JE	55000000 D	730000 JE
Acenaphthylene	150000	200000 JD	2400 J	3500 J	3200 JD	6500000	8400000 JD	330000
Acenaphthene	300000	470000 D	5800	36000 JE	40000 D	9000000 JE	13000000 D	210000
Fluorene	280000	400000 D	4300	17000	13000 D	6900000	8100000 JD	220000
Phenanthrene	610000 JE	1300000 D	18000	17000	21000 D	15000000 JE	33000000 D	560000 JE
Anthracene	250000	330000 JD	3700 J	6600	8200 D	4700000	5400000 JD	200000
Fluoranthene	480000 JE	860000 D	12000	22000	23000 D	9400000 JE	16000000 D	380000 JE
Pyrene	440000 JE	850000 D	11000	26000	31000 D	12000000 JE	22000000 D	420000 JE
Benzo(a)anthracene	230000	310000 JD	3900	7000	6700 JD	4200000	4800000 JD	140000
Chrysene	210000	290000 JD	3300 J	6500	6500 JD	4000000	4300000 JD	140000
Benzo(b)fluoranthene	130000	180000 JD	1700 J	2300 J	2800 JD	3000000	1800000 JD	63000
Benzo(k)fluoranthene	95000	150000 JD	2000 J	2400 J	2800 JD	1800000	2200000 JD	73000
Benzo(a)pyrene	150000	190000 JD	2500 J	3400 J	3400 JD	3600000	4000000 JD	120000
Indeno(1,2,3-cd)pyrene	72000	87000 JD	1200 J	1300 J	1300 JD	1600000	1600000 JD	49000
Dibenz(a,h)anthracene	6000 J	400000 U	3900 U	4000 U	8000 U	93000 J	9200000 U	44000 U
Benzo(g,h,i)perylene	79000 J	99000 JD	1400 J	1800 J	1700 JD	2300000	2400000 JD	71000 J

TABLE E-19
PAH Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB12-1214DL	SB13-0204	SB14-0406	SB14-1012	SB14-1820	SB15-0608	SB15-1820	SB16-0406
Sampling Date	10/12/94	10/18/94	10/18/94	10/18/94	10/18/94	10/13/94	10/13/94	10/13/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
Naphthalene	1300000 D	1800	4300 U	1100	23000	88000 B	140000 B	240000 B
Acenaphthylene	420000 D	480 U	4300 U	390 U	3700 U	18000 J	9900 J	65000
Acenaphthene	260000 D	480 U	4300 U	580	5400	84000 B	38000 JB	190000 B
Fluorene	220000 D	480 U	4300 U	350 J	1900 J	60000	29000 J	160000
Phenanthrene	850000 D	480 U	1000 J	71 J	5100	220000	110000	240000
Anthracene	230000 D	480 U	4300 U	390 U	1100 J	51000	20000 J	97000
Fluoranthene	470000 D	480 U	1400 J	390 U	1200 J	150000	50000	130000
Pyrene	640000 D	480 U	1500 J	390 U	1900 J	200000	68000	200000
Benzo(a)anthracene	150000 JD	480 U	670 J	390 U	570 J	56000	21000 J	72000
Chrysene	160000 JD	480 U	730 J	390 U	470 J	61000	22000 J	92000
Benzo(b)fluoranthene	92000 JD	480 U	4300 U	390 U	3700 U	30000 J	9700 J	47000
Benzo(k)fluoranthene	73000 JD	480 U	4300 U	390 U	3700 U	43000 J	11000 J	63000
Benzo(a)pyrene	130000 JD	480 U	4300 U	390 U	3700 U	60000	19000 J	97000
Indeno(1,2,3-cd)pyrene	52000 JD	480 U	4300 UJ	390 U	3700 U	30000 J	8000 J	44000
Dibenz(a,h)anthracene	220000 U	480 U	4300 U	390 U	3700 U	45000 U	38000 U	4300 J
Benzo(g,h,i)perylene	78000 JD	480 U	4300 UJ	390 U	3700 U	43000 J	11000 J	60000

TABLE E-19
PAH Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB16-1214	SB16-1214DL	SB16-2021	SB17-0204	SB17-1012	SB17-1416	SB17-2224	SB18-0408
Sampling Date	10/13/94	10/13/94	10/13/94	10/17/94	10/17/94	10/17/94	10/17/94	10/18/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
Naphthalene	700000 JEB	1400000 BD	240000 B	1600 J	290 J	160 J	1100	7000000
Acenaphthylene	62000	100000 JD	14000 J	490 J	68 J	410 U	330 J	1100000
Acenaphthene	290000 B	560000 BD	98000 B	2100 U	680 U	410 U	91 J	1100000
Fluorene	250000	410000 D	65000	2100 U	680 U	410 U	240 J	980000 J
Phenanthrene	420000 JE	950000 D	150000	440 J	190 J	62 J	1300	2800000
Anthracene	160000	240000 D	39000	2100 U	680 U	410 U	200 J	670000 J
Fluoranthene	220000	450000 D	64000	290 J	680 U	76 J	600	770000 J
Pyrene	290000 JE	610000 D	92000	370 J	110 J	89 J	860	1400000
Benzo(a)anthracene	110000	180000 JD	26000 J	2100 U	680 U	410 U	180 J	430000 J
Chrysene	130000	190000 D	27000 J	340 J	680 U	410 U	170 J	430000 J
Benzo(b)fluoranthene	53000	78000 JD	10000 J	2100 U	680 U	410 U	68 J	1000000 U
Benzo(k)fluoranthene	65000	120000 JD	15000 J	2100 U	680 U	410 U	80 J	130000 J
Benzo(a)pyrene	100000	170000 JD	22000 J	2100 U	400 J	410 U	120 J	220000 J
Indeno(1,2,3-cd)pyrene	41000	72000 JD	9000 J	2100 U	680 U	410 U	56 J	1000000 U
Dibenz(a,h)anthracene	3900 J	20000 JD	37000 U	2100 U	680 U	410 U	360 U	1000000 U
Benzo(g,h,i)perylene	54000	98000 JD	13000 J	2100 U	680 U	410 U	85 J	1000000 U

TABLE E-19
PAH Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB18-1214	SB18-1820	SB18-2224	SB18-2224DL	SB19-0406	SB19-1012	SB20-0204	SB20-0608
Sampling Date	10/18/94	10/18/94	10/18/94	10/18/94	10/17/94	10/17/94	10/14/94	10/14/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
Naphthalene	7700000	34000000	27000 JE	49000 D	390	1100000	750 U	44 J
Acenaphthylene	640000 J	3400000 J	5800	5900 JD	97 J	160000 J	750 U	380 U
Acenaphthene	180000 J	18000000 U	610 J	7400 U	44 J	190000 U	750 U	380 U
Fluorene	460000 J	2100000 J	2300	2700 JD	340 J	64000 J	750 U	380 U
Phenanthrene	1600000	5200000 J	6500 JE	7400 JD	1600	190000 J	480 J	45 J
Anthracene	370000 J	18000000 U	1700	1400 JD	210 J	35000 J	79 J	380 U
Fluoranthene	380000 J	18000000 U	2200	2100 JD	1300	65000 J	650 J	380 U
Pyrene	690000 J	2500000 J	3600	3500 JD	1800	110000 J	700 J	380 U
Benzo(a)anthracene	220000 J	18000000 U	1100	1000 JD	540	32000 J	310 J	380 U
Chrysene	210000 J	18000000 U	1100	1000 JD	530	29000 J	350 J	380 U
Benzo(b)fluoranthene	1000000 U	18000000 U	230 J	7400 U	220 J	190000 U	300 J	380 U
Benzo(k)fluoranthene	1000000 U	18000000 U	360 J	7400 U	250 J	190000 U	180 J	380 U
Benzo(a)pyrene	100000 J	18000000 U	560 J	7400 U	400	190000 U	250 J	380 U
Indeno(1,2,3-cd)pyrene	1000000 U	18000000 U	190 J	7400 U	190 J	190000 U	150 J	380 U
Dibenz(a,h)anthracene	1000000 U	18000000 U	740 U	7400 U	43 J	190000 U	750 U	380 U
Benzo(g,h,i)perylene	1000000 U	18000000 U	260 J	7400 U	280 J	190000 U	200 J	380 U

TABLE E-19
PAH Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB23-0406	SB23-0810	SB23-0810DL	SB23-2022	SB23-2022DL	SB36-1820*	SB37-1416**	SB40-0810***
Sampling Date	10/12/94	10/12/94	10/12/94	10/12/94	10/12/94	10/6/94	10/17/94	10/11/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
Naphthalene	2200 J	18000000 JE	50000000 D	7300 JE	7700 D	580	3800	22000000 JE
Acenaphthylene	2700 J	7700000 JE	12000000 D	1400	1400 JD	720	220 J	6500000
Acenaphthene	430 J	5800000	7200000 JD	1900	1900 D	480	800 U	2100000
Fluorene	1300 J	6200000	6900000 JD	1400	1300 JD	610	160 J	3700000
Phenanthrene	8000	12000000 JE	27000000 D	4800	5400 D	370 U	620 J	9100000 JE
Anthracene	1800 J	5000000	5900000 JD	1100	990 JD	100 J	120 J	5200000
Fluoranthene	9100	7800000 JE	14000000 D	2900	2800 D	150 J	240 J	6200000
Pyrene	17000	10000000 JE	18000000 D	3900	4000 D	120 J	390 J	7800000 JE
Benzo(a)anthracene	3300 J	3800000	4300000 JD	930	900 JD	370 U	130 J	2600000
Chrysene	3700 J	4200000	4600000 JD	970	990 JD	370 U	140 J	3000000
Benzo(b)fluoranthene	1700 J	2300000	1400000 JD	460 J	380 JD	370 U	800 U	1800000
Benzo(k)fluoranthene	2100 J	1900000	2100000 JD	470 J	440 JD	370 U	800 U	1200000
Benzo(a)pyrene	2700 J	3100000	3400000 JD	790	750 JD	370 U	800 U	2200000
Indeno(1,2,3-cd)pyrene	1200 J	1400000	1400000 JD	320 J	260 JD	370 U	800 U	960000
Dibenz(a,h)anthracene	3900 U	97000 J	8600000 U	740 U	1500 U	370 U	800 U	860000 U
Benzo(g,h,i)perylene	1800 J	1900000	2000000 JD	470 J	350 JD	370 U	800 U	1400000

* SB36-1820 is the duplicate of SB6-1820.
** SB37-1416 is the duplicate of SB17-1416.
*** SB40-0810 is the duplicate of SB10-0810.

TABLE E-19
PAH Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	SB40-0810DL***	MW1-0608	MW1-2224	MW2-0204	MW2-1820	MW3-6.58.5	MW3-10.512.5	MW4-0406
Sampling Date	10/11/94	9/8/94	9/8/94	9/8/94	9/8/94	9/12/94	9/12/94	9/27/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
Naphthalene	61000000 D	R	R	640 J	1200000	390 U	370 U	130000 JE
Acenaphthylene	9900000 D	R	R	140 J	410000	390 U	370 U	15000 J
Acenaphthene	2600000 JD	R	R	760 U	23000 J	390 U	370 U	9600 J
Fluorene	4700000 JD	R	R	760 U	190000	390 U	370 U	24000
Phenanthrene	20000000 D	R	R	350 J	420000	390 U	370 U	61000
Anthracene	7300000 JD	R	R	77 J	110000 J	390 U	370 U	13000 J
Fluoranthene	9900000 D	R	R	860	170000 J	390 U	370 U	73000
Pyrene	14000000 D	R	R	880	220000 J	390 U	370 U	78000
Benzo(a)anthracene	3100000 JD	R	R	500 J	68000 J	390 U	370 U	40000
Chrysene	3800000 JD	R	R	570 J	61000 J	390 U	370 U	51000
Benzo(b)fluoranthene	1200000 JD	R	R	770	25000 J	390 U	370 U	37000
Benzo(k)fluoranthene	1500000 JD	R	R	520 J	48000 J	390 U	370 U	42000
Benzo(a)pyrene	2600000 JD	R	R	800	63000 J	390 U	370 U	32000
Indeno(1,2,3-cd)pyrene	870000 JD	R	R	640 J	28000 J	390 U	370 U	42000 J
Dibenz(a,h)anthracene	8600000 U	R	R	110 J	180000 UJ	390 U	370 U	11000 J
Benzo(g,h,i)perylene	1100000 JD	R	R	610 J	28000 J	390 U	370 U	64000 J

*** SB40-0810 is the duplicate of SB10-0810.

TABLE E-19
PAH Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	MW4-0406DL	MW4-1214	MW4-1214DL	MW4-1618	MW5-0408	MW5-1416	MW5-2022	MW6-0406
Sampling Date	9/27/94	9/27/94	9/27/94	9/27/94	9/13/94	9/13/94	9/13/94	9/27/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
Naphthalene	160000 D	82000 JE	100000 D	2100	17000 J	2200000	770000	2200000 JE
Acenaphthylene	15000 JD	6600 J	6500 JD	160 J	10000 J	130000 J	52000 J	560000 JE
Acenaphthene	10000 JD	1800 J	20000 U	390 J	130000	150000 J	110000 U	310000 JE
Fluorene	27000 JD	5200 J	4600 JD	87 J	51000 J	100000 J	29000 J	460000 JE
Phenanthrene	76000 D	23000	23000 D	400 J	170000	510000 J	160000	1300000 JE
Anthracene	13000 JD	4600 J	4500 JD	89 J	29000 J	66000 J	19000 J	340000 JE
Fiuoranthene	82000 D	13000	13000 JD	310 J	79000 J	190000 J	58000 J	880000 JE
Pyrene	100000 D	19000	19000 JD	390 J	140000	290000 J	83000 J	1000000 JE
Benzo(a)anthracene	42000 D	5200 J	5100 JD	110 J	37000 J	620000 U	110000 U	430000 JE
Chrysene	54000 D	5800 J	5700 JD	140 J	34000 J	620000 U	110000 U	450000 JE
Benzo(b)fluoranthene	36000 D	3400 J	2300 JD	86 J	16000 J	620000 U	110000 U	370000 JE
Benzo(k)fluoranthene	46000 D	3800 J	3700 JD	100 J	15000 J	620000 U	110000 U	200000 J
Benzo(a)pyrene	32000 D	5600 J	5200 JD	100 J	29000 J	620000 U	110000 U	520000 JE
Indeno(1,2,3-cd)pyrene	43000 D	3300 J	3200 JD	86 J	120000 U	620000 U	110000 U	260000 J
Dibenz(a,h)anthracene	11000 JD	10000 U	20000 U	780 U	120000 U	620000 U	110000 U	62000 J
Benzo(g,h,i)perylene	65000 D	5100 J	4700 JD	140 J	120000 U	620000 U	110000 U	370000 JE

TABLE E-19
PAH Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	MW6-0406DL	MW6-1214	MW6-2022	MW8-1416	MW8-1416DL	MW8-1820	MW8-1820RE	MW9-0608
Sampling Date	9/27/94	9/27/94	9/27/94	9/14/94	9/14/94	9/14/94	9/14/94	9/7/94
Units	ug/kg	ug/kg	ug/kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/kg
Compound								
Naphthalene	5000000 D	9000	3700 U	2000 J	1800 JD	400 J	390 J	R
Acenaphthylene	1800000 D	2200 J	2600 J	340 J	280 JD	100 J	100 J	R
Acenaphthene	570000 JD	1900 J	3700 U	4400 J	3400 JD	470 J	450 J	R
Fluorene	860000 D	1700 J	2100 J	1800 J	1400 JD	240 J	270 J	R
Phenanthrene	3200000 D	10000	16000	8600 JE	7200 JD	1200 J	1300 J	R
Anthracene	490000 JD	2300 J	4600	1100 J	920 JD	190 J	170 J	R
Fluoranthene	1700000 D	5700	11000	3000 J	2400 JD	490 J	490 J	R
Pyrene	2500000 D	8200	15000	4800 J	3600 JD	770 J	650 J	R
Benzo(a)anthracene	600000 JD	1900 J	3900	990 J	840 JD	180 J	160 J	R
Chrysene	580000 JD	2100 J	4200	1000 J	910 JD	190 J	160 J	R
Benzo(b)fluoranthene	230000 JD	1000 J	2300 J	440 J	340 JD	100 J	75 J	R
Benzo(k)fluoranthene	390000 JD	1200 J	2500 J	550 J	520 JD	100 J	90 J	R
Benzo(a)pyrene	690000 JD	2100 J	4400	710 J	620 JD	160 J	130 J	R
Indeno(1,2,3-cd)pyrene	320000 JD	980 J	2100 J	330 J	1500 UJ	75 J	71 J	R
Dibenz(a,h)anthracene	760000 U	4000 U	440 J	750 UJ	1500 UJ	500 UJ	500 UJ	R
Benzo(g,h,i)perylene	470000 JD	1500 J	3200 J	470 J	1500 UJ	110 J	500 UJ	R

TABLE E-19
PAH Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	MW9-1012	MW12-0406	MW12-1416	MW12-2224	MW12-2224RE	MW13-1214	MW13-1214DL	MW13-2426
Sampling Date	9/7/94	9/30/94	9/30/94	10/4/94	10/3/94	9/15/94	9/15/94	9/16/94
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/Kg	ug/Kg	ug/Kg
Compound								
Naphthalene	R	140 J	76 J	380 U	380 U	7200 JE	6100 D	220000 JE
Acenaphthylene	R	420 U	390 U	380 U	380 UJ	230 J	2000 U	6200
Acenaphthene	R	420 U	390 U	380 U	380 UJ	5300 JE	3900 D	100000 JE
Fluorene	R	420 U	390 U	380 U	380 UJ	1600	1200 JD	38000 JE
Phenanthrene	R	93 J	110 J	380 UJ	R	8800 JE	8100 D	140000 JE
Anthracene	R	420 U	390 U	380 UJ	R	690	590 JD	27000
Fluoranthene	R	46 J	59 J	380 UJ	R	4400 JE	3300 D	54000 JE
Pyrene	R	420 U	390 U	380 U	380 UJ	7100 JE	5100 D	85000 JE
Benzo(a)anthracene	R	420 U	390 U	380 U	380 UJ	960	790 JD	18000 J
Chrysene	R	420 U	390 U	380 U	380 UJ	1000	780 JD	18000 J
Benzo(b)fluoranthene	R	420 U	390 U	380 U	380 UJ	660	450 JD	7900 J
Benzo(k)fluoranthene	R	420 U	390 U	380 U	380 UJ	680	620 JD	8800 J
Benzo(a)pyrene	R	420 U	390 U	380 U	380 UJ	960	770 JD	16000 J
Indeno(1,2,3-cd)pyrene	R	420 UJ	390 UJ	380 UJ	380 UJ	550	2000 U	5500 J
Dibenz(a,h)anthracene	R	420 U	390 U	380 U	380 UJ	410 U	2000 U	3800 UJ
Benzo(g,h,i)perylene	R	420 UJ	390 UJ	380 UJ	380 UJ	860 J	770 JD	7700 J

TABLE E-19
PAH Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	MW13-2426DL	MW33-2426*	MW33-2426DL*	MW1001	MW1002	MW1003	MW1005	MW1005RE
Sampling Date	9/16/94	9/16/94	9/16/94	9/20/94	9/20/94	9/20/94	9/20/94	9/20/94
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Compound								
Naphthalene	250000 D	210000 JE	220000 D	360 U	45 J	460 UJ	1300 J	1400
Acenaphthylene	38000 U	6500	38000 UJ	360 U	370 U	460 UJ	380 UJ	270 J
Acenaphthene	79000 D	110000 JE	76000 JD	360 U	370 U	460 UJ	1400 J	1700 J
Fluorene	26000 JD	40000 JE	24000 JD	360 U	370 U	460 UJ	1300 J	1600 J
Phenanthrene	110000 D	140000 JE	110000 JD	87 J	120 J	2000 J	2800	3000
Anthracene	17000 JD	28000	15000 JD	360 U	370 U	210 J	820	720
Fluoranthene	33000 JD	56000 JE	32000 JD	110 J	150 J	460 UJ	2600	2700
Pyrene	53000 D	80000 JE	56000 JD	120 J	180 J	2100 J	2800	2900
Benzo(a)anthracene	12000 JD	18000	11000 JD	52 J	89 J	410 J	770	750
Chrysene	13000 JD	18000	38000 UJ	67 J	190 J	590 J	780	820
Benzo(b)fluoranthene	5200 JD	7800	38000 UJ	49 J	110 J	360 J	440	490 J
Benzo(k)fluoranthene	6600 JD	9600	38000 UJ	48 J	110 J	330 J	530	590 J
Benzo(a)pyrene	13000 JD	17000	38000 UJ	58 J	99 J	280 J	660	670
Indeno(1,2,3-cd)pyrene	38000 U	5700	38000 UJ	41 J	70 J	210 J	290 J	340 J
Dibenz(a,h)anthracene	38000 U	3800 U	38000 UJ	360 U	370 U	69 J	380 U	87 J
Benzo(g,h,i)perylene	38000 U	8100 J	38000 UJ	50 J	83 J	240 J	380 J	470 J

* MW33-2426 is the duplicate of MW13-2426.

TABLE E-19
PAH Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	MW1007	MW1007D*	MW1101	MW1102	MW1104	MW1401	MW1402	MW1402DL
Sampling Date	9/20/94	9/20/94	9/21/94	9/21/94	9/21/94	9/22/94	9/22/94	9/22/94
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/kg	ug/kg	ug/kg
Compound								
Naphthalene	370 U	360 U	430 U	420 U	380 U	20000 U	800000 JEB	2300000 BD
Acenaphthylene	93 J	53 J	430 U	420 U	380 U	8200 J	53000	61000 JD
Acenaphthene	370 U	360 U	430 U	420 U	380 U	3800 J	300000 JE	760000 D
Fluorene	75 J	44 J	430 U	420 U	380 U	4400 J	190000 JE	230000 JD
Phenanthrene	460	330 J	47 J	420 U	380 U	22000	410000 JE	1000000 D
Anthracene	87 J	72 J	430 U	420 U	380 U	4700 J	200000 JE	310000 JD
Fluoranthene	290 J	230 J	140 J	420 U	380 U	26000	290000 JE	530000 D
Pyrene	420	330 J	140 J	420 U	380 U	38000	340000 JE	710000 D
Benzo(a)anthracene	100 J	80 J	87 J	420 U	380 U	11000 J	140000	170000 JD
Chrysene	110 J	87 J	100 J	420 U	380 U	14000 J	180000 JE	230000 JD
Benzo(b)fluoranthene	53 J	50 J	86 J	420 U	380 U	12000 J	100000	110000 JD
Benzo(k)fluoranthene	76 J	52 J	60 J	420 U	380 U	9400 J	93000	95000 JD
Benzo(a)pyrene	100 J	80 J	86 J	420 U	380 U	16000 J	160000	180000 JD
Indeno(1,2,3-cd)pyrene	48 J	360 U	58 J	420 U	380 U	12000 J	84000 J	74000 JD
Dibenz(a,h)anthracene	370 U	360 U	430 U	420 U	380 U	20000 U	19000 J	440000 U
Benzo(g,h,i)perylene	68 J	50 J	67 J	420 U	380 U	19000 J	120000 J	110000 JD

* MW1007D is the duplicate of MW1007.

TABLE E-19
PAH Compounds - Subsurface Soils
North Albany Former MGP Site

Sample Number	MW1404	FB2090894	FB092394	FB100594	FB101194	FB101994
Sampling Date	9/22/94	9/8/94	9/23/94	10/5/94	10/11/94	10/19/94
Units	ug/kg	ug/L	ug/L	ug/L	ug/L	ug/L
Compound						
Naphthalene	2100 B	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	170 J	10 U	10 U	10 U	10 U	10 U
Acenaphthene	520 J	10 U	10 U	10 U	10 U	10 U
Fluorene	180 J	10 U	10 U	10 U	10 U	10 U
Phenanthrene	880	10 U	10 U	10 U	10 U	10 U
Anthracene	160 J	10 U	10 U	10 U	10 U	10 U
Fluoranthene	450 J	10 U	10 U	10 U	10 U	10 U
Pyrene	620 J	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	150 J	10 U	10 U	10 U	10 U	10 U
Chrysene	160 J	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	82 J	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	87 J	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	150 J	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	760 U	10 U	10 U	10 UJ	10 U	10 UJ
Dibenz(a,h)anthracene	760 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	100 J	10 U	10 U	10 UJ	10 U	10 UJ

TABLE E-20
Physical/Geotechnical Parameters - Subsurface Soils
North Albany Former MGP Site

Sample Number		SB1-0406	SB3-1418	SB5-0608	SB7-0204	SB10-0406	SB11-0608	SB12-1820
Sampling Date		10/4/94	10/6/94	9/29/94	10/4/94	10/11/94	10/11/94	10/12/94
Parameter	Units							
Density	gm/cc	1.7044	1.8369	1.5122	1.3793	1.7731	1.4075	2.0862
Moisture	in Percent	15.8	13.7	10.3	21.7	20.2	24	13.6
pH	--	8.31	7.64	9.00	8.68	8.62	11.70	7.59
Total Organic Carbon	mg/kg	4391	4145	2504	46655	24383	48529	14753
Total Solids	in Percent	84.2	86.3	92.1	77.5	79.8	76.0	86.4
Atterberg Limits	Liquid Limit	28	NA	NA	NA	29	29	NA
Atterberg Limits	Plastic Limit	17	NA	NA	NA	18	27	NA

TABLE E-20
Physical/Geotechnical Parameters - Subsurface Soils
North Albany Former MGP Site

Sample Number		SB14-0810	SB16-0608	SB17-0406	SB19-1214	SB20-0810	SB23-1416	MW2-1014
Sampling Date		10/18/94	10/13/94	10/17/94	10/17/94	10/14/94	10/12/94	9/8/94
Parameter	Units							
Density	gm/cc	1.8846	1.5245	1.5468	1.9923	2.0149	1.788	1.84
Moisture	in Percent	20.2	23.7	25.9	11.8	13.1	26.6	14.9
pH	--	7.33	8.13	8.53	9.15	7.43	8.21	7.36
Total Organic Carbon	mg/kg	5440	281228	81713	19336	4685	244928	60110
Total Solids	in Percent	79.8	76.3	74.1	88.2	86.9	73.4	85.1
Atterberg Limits	Liquid Limit	NA	NA	23	19	NA	28	NA
Atterberg Limits	Plastic Limit	NA	NA	19	12	NA	19	NA

TABLE E-20
Physical/Geotechnical Parameters - Subsurface Soils
North Albany Former MGP Site

Sample Number		MW3-4.56.5	MW4-0608	MW6-0608	MW8-0002	MW13-1012	MW1006
Sampling Date		9/12/94	9/28/94	9/27/94	9/14/94	9/15/94	9/20/94
Parameter	Units						
Density	gm/cc	1.9573	1.2721	1.7942	1.5292	1.7562	2.1069
Moisture	in Percent	12.1	65.5	31.4	11.2	33.5	12.2
pH	--	7.80	10.22	7.27	9.00	7.63	8.60
Total Organic Carbon	mg/kg	7613	76823	47697	17831	50710	4679
Total Solids	in Percent	87.9	34.5	68.6	88.8	66.5	87.8
Atterberg Limits	Liquid Limit	17	123	42	NA	53	NA
Atterberg Limits	Plastic Limit	13	118	23	NA	36	NA

NYTEST ENVIRONMENTAL, INC.

LOG NUMBER : 22231

We find as follows :

Results in percent :

Grain size distribution

LAB ID	CLIENTID	Total solids	Coarse Gravels (>4.75 mm)	Fine Gravels (4.75 mm)	Coarse Sands (2.00 mm)	Medium & Fine sand (0.425 mm)	Silt & Clay (<0.075 mm)
22231015	1/4-6	84.20	0.00	0.00	0.50	21.70	77.80
22231025	3/1418	86.30	25.60	22.20	27.10	12.60	12.50

NYTEST ENVIRONMENTAL, INC.

LOG NUMBER : 22170

We find as follows :

Results in percent :

Grain size distribution

LAB ID	CLIENTID	Total solids	Coarse Gravels (>4.75 mm)	Fine Gravels (4.75 mm)	Coarse Sands (2.00 mm)	Medium & Fine sand (0.425 mm)	Silt & Clay (<0.075 mm)
2217001	5/6-8	92.10	0.00	0.00	53.50	26.20	20.30

NYTEST ENVIRONMENTAL, INC.

LOG NUMBER : 22192

We find as follows :

Results in percent :

Grain size distribution

LAB ID	CLIENTID	Total solids	Coarse Gravels (>4.75 mm)	Fine Gravels (4.75 mm)	Coarse Sands (2.00 mm)	Medium & Fine sand (0.425 mm)	Silt & Clay (<0.075 mm)
2219206	7/2-4	77.50	18.10	18.30	18.30	20.50	24.80

NYTEST ENVIRONMENTAL, INC.

LOG NUMBER : 22281

We find as follows :

Results in percent :

Grain size distribution

LAB ID	CLIENTID	Total solids	Coarse Gravels (>4.75 mm)	Fine Gravels (4.75 mm)	Coarse Sands (2.00 mm)	Medium & Fine sand (0.425 mm)	Silt & Clay (<0.075 mm)
2228119	SB10/4-6	79.80	0.00	0.00	3.30	5.70	91.00
2228120	SB11/6-8	76.00	10.10	13.20	21.10	32.50	23.10
2228121	SB12/1820	86.40	16.40	24.00	25.00	12.10	22.50

NYTEST ENVIRONMENTAL, INC.

LOG NUMBER : 22329

We find as follows :

Results in percent :

Grain size distribution

LAB ID	CLIENTID	Total solids	Coarse Gravels (>4.75 mm)	Fine Gravels (4.75 mm)	Coarse Sands (2.00 mm)	Medium & Fine sand (0.425 mm)	Silt & Clay (<0.075 mm)
2232918	14/810	79.80	0.00	0.00	72.00	22.50	5.50
2232919	17/4-6	74.10	0.00	13.00	25.00	40.30	21.70
2232920	19/1214	88.20	0.00	0.00	22.60	18.30	59.10

00032

NYTEST ENVIRONMENTAL, INC.

LOG NUMBER : 22299

We find as follows :

Results in percent :

Grain size distribution

LAB ID	CLIENTID	Total solids	Coarse Gravels (>4.75 mm)	Fine Gravels (4.75 mm)	Coarse Sands (2.00 mm)	Medium & Fine sand (0.425 mm)	Silt & Clay (<0.075 mm)
2229901	SB16/6-8	76.30	34.60	25.80	18.80	7.80	13.00
2229902	SB20/810	86.90	0.00	29.10	19.40	26.30	25.20

NYTEST ENVIRONMENTAL, INC.

LOG NUMBER : 22282

We find as follows :

Results in percent :

Grain size distribution

LAB ID	CLIENTID	Total solids	Coarse Gravels (>4.75 mm)	Fine Gravels (4.75 mm)	Coarse Sands (2.00 mm)	Medium & Fine sand (0.425 mm)	Silt & Clay (<0.075 mm)
2228205	423/1416	73.40	22.70	11.10	28.90	22.30	15.00

0000098

REPORT OF ANALYSIS

GRAIN SIZE

We find as follows:

Results in % Passing:

Sample Identification	Sieve Size			
	#4	#10	#40	#200
2193703 MW2/1014	100	100	34.3	7.4
DUP 3	100	100	29.8	1.9

0000013

NYTEST ENVIRONMENTAL, INC.

LOG NUMBER : 22008

We find as follows :

Results in percent :

Grain size distribution

LAB ID	CLIENTID	Total solids	Coarse Gravels (>4.75 mm)	Fine Gravels (4.75 mm)	Coarse Sands (2.00 mm)	Medium & Fine sand (0.425 mm)	Silt & Clay (<0.075 mm)
2200808	MW8/4565	87.90	0.00	21.40	20.60	24.20	33.80

0000012

NYTEST ENVIRONMENTAL, INC.

LOG NUMBER : 22128

We find as follows :

Results in percent :

Grain size distribution

LAB ID	CLIENTID	Total solids	Coarse Gravels (>4.75 mm)	Fine Gravels (4.75 mm)	Coarse Sands (2.00 mm)	Medium & Fine sand (0.425 mm)	Silt & Clay (<0.075 mm)
2212809	MW6/6-8	68.60	0.00	0.00	11.70	16.50	71.80
2212810	MW4/6-8	34.50	0.00	0.00	6.90	16.00	77.10

NYTEST ENVIRONMENTAL, INC.

LOG NUMBER : 22050, 22076

We find as follows :

Results in percent :

Grain size distribution

LAB ID	CLIENTID	Total solids	Coarse Gravels (>4.75 mm)	Fine Gravels (4.75 mm)	Coarse Sands (2.00 mm)	Medium & Fine sand (0.425 mm)	Silt & Clay (<0.075 mm)
2205001	MW8/0-2	88.80	0.00	13.70	34.80	24.70	26.80
2205002	MW13/1012	66.50	0.00	22.70	14.10	22.20	41.00
220612	MW1006	87.80	0.00	31.60	24.30	20.10	27.20

DM
12/16/94

0000056

TABLE E-21
TCLP Volatile Organic Compounds
North Albany Former MGP Site

Sample Number	TANK01*	TANK02*
Sampling Date	10/19/94	10/19/94
Units	mg/L	mg/L
Compound		
Vinyl chloride	0.05 U	0.05 U
1,1-Dichloroethene	0.05 U	0.05 U
Chloroform	0.05 U	0.05 U
1,2-Dichloroethane	0.05 U	0.05 U
2-Butanone	0.18	0.05 U
Trichloroethene	0.05 U	0.05 U
Benzene	0.04 J	0.52
Tetrachloroethene	0.05 U	0.05 U
Toluene	0.05 U	0.05 U
Chlorobenzene	0.05 U	0.05 U

* TANK01 and TANK02 were wastewater samples, analyzed for disposal reasons. They were not part of the subsurface soils investigation.

TABLE E-22
TCLP Semi-Volatile Organic Compounds
North Albany Former MGP Site

Sample Number	TANK01*	TANK02*
Sampling Date	10/19/94	10/19/94
Units	mg/L	mg/L
Compound		
2-Methylphenol	0.04 U	0.04 U
3+4-Methylphenol	0.08 U	0.08 U
2,4-Dinitrotoluene	0.04 U	0.04 U
Hexachlorobenzene	0.04 U	0.04 U
Hexachlorobutadiene	0.04 U	0.04 U
Hexachloroethane	0.04 U	0.04 U
Nitrobenzene	0.04 U	0.04 U
Pentachlorophenol	0.20 U	0.20 U
Pyridine	0.04 U	0.04 U
2,4,5-Trichlorophenol	0.04 U	0.04 U
2,4,6-Trichlorophenol	0.04 U	0.04 U
1,4-Dichlorobenzene	0.04 U	0.04 U

* TANK01 and TANK02 were wastewater samples, analyzed for disposal reasons. They were not part of the subsurface soils investigation.

TABLE E-23
TCLP Metals
North Albany Former MGP Site

Sample Number	TSS-1	TSS-2	SB14-2022	MW2-1014	MW13-0610	TANK01*	TANK02*
Sampling Date	9/15/94	9/15/94	10/18/94	9/8/94	9/15/94	10/19/94	10/19/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Analyte							
Arsenic	59	52 U	52 U	89.7 J	131	52 U	52 U
Barium	611	792	5100	2080	515	120 B	267
Cadmium	2 U	2 U	2 U	4.3 B	2 U	2 U	2 U
Chromium	13	5 U	5 U	4 U	5 U	5 U	5 U
Lead	26 U	26 U	26 U	59.5 J	26 U	26 U	26 U
Mercury	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U
Selenium	90 U	90 U	90 U	112 U	90 U	90 U	90 U
Silver	5 U	5 U	5 UJ	7 U	5 U	5 U	5 U

* TANK01 and TANK02 were wastewater samples, analyzed for disposal reasons. They were not part of the subsurface soils investigation.

TABLE E-24
Petroleum Product Fingerprinting
North Albany Former MGP Site

Sample Number	TP2-01	TP2-01DL	FBLK11
Sampling Date	10/4/94	10/4/94	10/19/94
Units	mg/kg	mg/kg	mg/kg
Parameter			
#2 Fuel Oil	E	NA	10 U
TPH (as #2 Fuel Oil)	E	8100 J	ND
#6 Fuel Oil	12 U	NA	10 U
TPH (as #6 Fuel Oil)	ND	NA	ND
Lubricating Oil	12 U	NA	10 U
TPH (as Lubricating Oil)	ND	NA	ND
Kerosene	12 U	NA	10 U
TPH (as Kerosene)	ND	NA	ND

TABLE E-25
RCRA Parameters
North Albany Former MGP Site

Sample Number Sampling Date		TANK01* 10/19/94	TANK02* 10/19/94
Parameter	Units		
Corrosivity	inch/Year	0.01 U	0.01 U
Cyanide, Reactive	ppm	1 U	1 U
Ignitability	Degrees F	> 212	> 212
Sulfide, Reactive	ppm	1 U	1 U
pH	--	7.45	8.47

* TANK01 and TANK02 were wastewater samples, analyzed for disposal reasons. They were not part of the subsurface soils investigation.

TABLE E-26
TCL Volatile Organic Compounds - Round I Groundwater
North Albany Former MGP Site

Sample Number	MW1-01	MW2-01	MW2-01DL	MW3-01	MW4-01	MW4-01DL	MW5-01	MW5-01DL
Sampling Date	11/2/94	11/3/94	11/3/94	11/2/94	11/2/94	11/2/94	11/3/94	11/3/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound								
Chloromethane	10 U	10 U	500 U	10 U	10 U	50 U	50 U	500 U
Bromomethane	10 U	10 U	500 U	10 U	10 U	50 U	50 U	500 U
Vinyl Chloride	10 U	10 U	500 U	10 U	10 U	50 U	50 U	500 U
Chloroethane	10 U	10 U	500 U	10 U	10 U	50 U	50 U	500 U
Methylene Chloride	10 UJ	10 UJ	500 UJ	10 UJ	10 UJ	50 UJ	50 UJ	500 UJ
Acetone	10 UJ	10 UJ	500 UJ	10 UJ	10 UJ	50 UJ	50 UJ	500 UJ
Carbon Disulfide	10 U	10 U	500 U	10 U	87	130 D	50 U	500 U
1,1-Dichloroethene	10 U	10 U	500 U	10 U	10 U	50 U	50 U	500 U
1,1-Dichloroethane	10 U	6 J	500 U	10 U	10 U	50 U	50 U	500 U
1,2-Dichloroethene (total)	10 U	10 U	500 U	10 U	10 U	50 U	50 U	500 U
Chloroform	10 U	10 U	500 U	10 U	10 U	50 U	50 U	500 U
1,2-Dichloroethane	10 U	10 U	500 U	10 U	10 U	50 U	50 U	500 U
2-Butanone	10 U	10 UJ	500 U	10 U	10 U	50 U	50 UJ	500 U
1,1,1-Trichloroethane	10 U	10 U	500 U	10 U	10 U	50 U	50 U	500 U
Carbon Tetrachloride	10 U	10 U	500 U	10 U	10 U	50 U	50 U	500 U
Bromodichloromethane	10 U	10 U	500 U	10 U	10 U	50 U	50 U	500 U
1,2-Dichloropropane	10 U	10 U	500 U	10 U	10 U	50 U	50 U	500 U
cis-1,3-Dichloropropene	10 U	10 U	500 U	10 U	10 U	50 U	50 U	500 U
Trichloroethene	10 U	10 U	500 U	10 U	10 U	50 U	50 U	500 U
Dibromochioromethane	10 U	10 U	500 U	10 U	10 U	50 U	50 U	500 U
1,1,2-Trichloroethane	10 U	10 U	500 U	10 U	10 U	50 U	50 U	500 U
Benzene	10 U	1400 JE	8700 D	10 U	140	160 D	4400 JE	4100 D
trans-1,3-Dichloropropene	10 U	10 U	500 U	10 U	10 U	50 U	50 U	500 U
Bromoform	10 U	10 U	500 U	10 U	10 U	50 U	50 U	500 U
4-Methyl-2-Pentanone	10 UJ	10 UJ	500 UJ	10 UJ	10 UJ	50 UJ	50 UJ	500 UJ
2-Hexanone	10 UJ	10 UJ	500 UJ	10 UJ	10 UJ	50 UJ	50 UJ	500 UJ
Tetrachloroethene	10 U	10 U	500 U	10 U	5 J	50 U	50 U	500 U

TABLE E-26
TCL Volatile Organic Compounds - Round I Groundwater
North Albany Former MGP Site

Sample Number	MW1-01	MW2-01	MW2-01DL	MW3-01	MW4-01	MW4-01DL	MW5-01	MW5-01DL
Sampling Date	11/2/94	11/3/94	11/3/94	11/2/94	11/2/94	11/2/94	11/3/94	11/3/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound								
1,1,2,2-Tetrachloroethane	10 U	10 U	500 U	10 U	10 U	50 U	50 U	500 U
Toluene	10 U	1500 JE	7400 D	10 U	45	51 D	830	960 D
Chlorobenzene	10 U	10 U	500 U	10 U	10 U	50 U	50 U	500 U
Ethylbenzene	10 U	2000 JE	4400 D	10 U	130	150 D	780	820 D
Styrene	10 U	240 JE	280 JD	10 U	19	23 JD	77	84 JD
Xylene (total)	10 U	3500 JE	5300 D	10 U	280	330 D	800	830 D
Volatile TICs	--	7610 J	15860 JD	--	1162 J	1694 JD	4730 J	5770 JD

TABLE E-26
TCL Volatile Organic Compounds - Round I Groundwater
North Albany Former MGP Site

Sample Number	MW6-01	MW6-01DL	MW7-01	MW7-01DL	MW8-01	MW9-01	MW10-01	MW11-01
Sampling Date	11/2/94	11/2/94	11/3/94	11/3/94	11/2/94	11/1/94	11/2/94	11/1/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound								
Chloromethane	10 U	100 U	10 U	250 U	10 U	10 U	50 U	10 U
Bromomethane	10 U	100 U	10 U	250 U	10 U	10 U	50 U	10 U
Vinyl Chloride	10 U	100 U	10 U	250 U	10 U	10 U	50 U	10 U
Chloroethane	10 U	100 U	10 U	250 U	10 U	10 U	50 U	10 U
Methylene Chloride	10 UJ	100 UJ	10 UJ	250 UJ	10 UJ	10 UJ	50 UJ	10 UJ
Acetone	10 UJ	100 UJ	10 UJ	250 UJ	10 UJ	10 UJ	50 UJ	10 UJ
Carbon Disulfide	10 U	100 U	10 U	250 U	10 U	10 U	50 U	10 U
1,1-Dichloroethene	10 U	100 U	10 U	250 U	10 U	10 U	50 U	10 U
1,1-Dichloroethane	10 U	100 U	10 U	250 U	10 U	10 U	50 U	10 U
1,2-Dichloroethene (total)	10 U	100 U	10 U	250 U	10 U	10 U	50 U	10 U
Chloroform	10 U	100 U	10 U	250 U	10 U	10 U	50 U	10 U
1,2-Dichloroethane	10 U	100 U	10 U	250 U	10 U	10 U	50 U	10 U
2-Butanone	10 U	100 UJ	10 UJ	250 U	10 U	10 UJ	50 U	10 UJ
1,1,1-Trichloroethane	10 U	100 U	10 U	250 U	10 U	10 U	50 U	10 U
Carbon Tetrachloride	10 U	100 U	10 U	250 U	10 U	10 U	50 U	10 U
Bromodichloromethane	10 U	100 U	10 U	250 U	10 U	10 U	50 U	10 U
1,2-Dichloropropane	10 U	100 U	10 U	250 U	10 U	10 U	50 U	10 U
cis-1,3-Dichloropropene	10 U	100 U	10 U	250 U	10 U	10 U	50 U	10 U
Trichloroethene	10 U	100 U	10 U	250 U	10 U	10 U	50 U	10 U
Dibromochloromethane	10 U	100 U	10 U	250 U	10 U	10 U	50 U	10 U
1,1,2-Trichloroethane	10 U	100 U	10 U	250 U	10 U	10 U	50 U	10 U
Benzene	800 JE	890 D	1400 JE	2100 D	34	10 U	220	10 U
trans-1,3-Dichloropropene	10 U	100 U	10 U	250 U	10 U	10 U	50 U	10 U
Bromoform	10 U	100 U	10 U	250 U	10 U	10 U	50 U	10 U
4-Methyl-2-Pentanone	10 UJ	100 UJ	10 UJ	250 UJ	10 UJ	10 UJ	50 UJ	10 UJ
2-Hexanone	10 UJ	100 UJ	10 UJ	250 UJ	10 UJ	10 UJ	50 UJ	10 UJ
Tetrachloroethene	10 U	100 U	10 U	250 U	10 U	10 U	50 U	10 U

TABLE E-26
TCL Volatile Organic Compounds - Round I Groundwater
North Albany Former MGP Site

Sample Number	MW6-01	MW6-01DL	MW7-01	MW7-01DL	MW8-01	MW9-01	MW10-01	MW11-01
Sampling Date	11/2/94	11/2/94	11/3/94	11/3/94	11/2/94	11/1/94	11/2/94	11/1/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound								
1,1,2,2-Tetrachloroethane	10 U	100 U	10 U	250 U	10 U	10 U	10 J	10 U
Toluene	360 JE	410 D	310 JE	720 D	1 J	10 U	34 J	10 U
Chlorobenzene	10 U	100 U	10 U	250 U	10 U	10 U	50 U	10 U
Ethylbenzene	320 JE	290 D	750 JE	1000 D	4 J	10 U	100	10 U
Styrene	11	12 JD	22	38 JD	10 U	10 U	50 U	10 U
Xylene (total)	190	200 D	290	600 D	6 J	10 U	110	10 U
Volatile TICs	1297 J	3096 JD	2219 J	6970 JD	508 J	--	8430 J	--

TABLE E-26
TCL Volatile Organic Compounds - Round I Groundwater
North Albany Former MGP Site

Sample Number	MW12-01	MW13-01	MW13-01DL	MW39-01*	FB110194	TB110194	TB110294	TB110394
Sampling Date	11/1/94	11/2/94	11/2/94	11/1/94	11/1/94	11/1/94	11/2/94	11/3/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound								
Chloromethane	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	10 UJ	10 UJ	50 UJ	10 UJ	5 JB	5 JB	8 JB	3 JB
Acetone	10 UJ	10 UJ	50 UJ	10 UJ	10 UJ	10 UJ	4 J	10 UJ
Carbon Disulfide	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10 U	5 J	9 JD	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Chloroform	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	10 UJ	10 U	50 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ
1,1,1-Trichloroethane	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Benzene	10 U	280 JE	440 D	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Bromoform	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	10 UJ	10 UJ	50 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
2-Hexanone	10 UJ	10 UJ	50 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Tetrachloroethene	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U

TABLE E-26
TCL Volatile Organic Compounds - Round I Groundwater
North Albany Former MGP Site

Sample Number	MW12-01	MW13-01	MW13-01DL	MW39-01*	FB110194	TB110194	TB110294	TB110394
Sampling Date	11/1/94	11/2/94	11/2/94	11/1/94	11/1/94	11/1/94	11/2/94	11/3/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound								
1,1,2,2-Tetrachloroethane	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Toluene	10 U	12	21 JD	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	10 U	50	73 D	10 U	10 U	10 U	10 U	10 U
Styrene	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Xylene (total)	10 U	71	130 D	10 U	10 U	10 U	10 U	10 U
Volatile TICs	200 J	555 J	977 JD	--	--	--	--	--

* MW39-01 is the duplicate of MW9-01.

TABLE E-27
TCL Semi-Volatile Organic Compounds - Round I Groundwater
North Albany Former MGP Site

Sample Number	MW1-01	MW2-01	MW2-01DL	MW3-01	MW4-01	MW4-01DL	MW5-01
Sampling Date	11/2/94	11/3/94	11/3/94	11/2/94	11/2/94	11/2/94	11/3/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound							
Phenol	10 U	49 J	1000 U	10 U	10 U	4000 U	43
bis(2-Chloroethyl)Ether	10 U	50 U	1000 U	10 U	10 U	4000 U	10 U
2-Chlorophenol	10 U	50 U	1000 U	10 U	10 U	4000 U	10 U
1,3-Dichlorobenzene	10 U	50 U	1000 U	10 U	10 U	4000 U	10 U
1,4-Dichlorobenzene	10 U	50 U	1000 U	10 U	10 U	4000 U	10 U
1,2-Dichlorobenzene	10 U	50 U	1000 U	10 U	10 U	4000 U	10 U
2-Methylphenol	10 U	50 U	1000 U	10 U	10 U	4000 U	10 U
2,2'-oxybis(1-Chloropropane)	10 U	50 U	1000 U	10 U	10 U	4000 U	10 U
4-Methylphenol	10 U	34 J	1000 U	10 U	10 U	4000 U	12
N-Nitroso-di-n-propylamine	10 U	50 U	1000 U	10 U	10 U	4000 U	10 U
Hexachloroethane	10 U	50 U	1000 U	10 U	10 U	4000 U	10 U
Nitrobenzene	10 U	50 U	1000 U	10 U	R	4000 U	R
Isophorone	10 U	50 U	1000 U	10 U	R	4000 U	R
2-Nitrophenol	10 U	50 U	1000 U	10 U	R	4000 U	R
2,4-Dimethylphenol	10 U	46 J	1000 U	10 U	R	4000 U	R
2,4-Dichlorophenol	10 U	50 U	1000 U	10 U	R	4000 U	R
1,2,4-Trichlorobenzene	10 U	50 U	1000 U	10 U	R	4000 U	R
Naphthalene	10 U	1400 JE	5400 D	10 U	12000 JE	25000 D	4800 JE
4-Chloroaniline	10 U	50 U	1000 U	10 U	R	4000 U	R
Hexachlorobutadiene	10 U	50 U	1000 U	10 U	R	4000 U	R
bis(2-Chloroethoxy)methane	10 U	50 U	1000 U	10 U	R	4000 U	R
4-Chloro-3-Methylphenol	10 U	50 U	1000 U	10 U	R	4000 U	R
2-Methylnaphthalene	10 U	620 JE	540 JD	10 U	5800 JE	2000 JD	2400 JE
Hexachlorocyclopentadiene	10 UJ	50 UJ	1000 U	10 UJ	10 UJ	4000 UJ	10 UJ
2,4,6-Trichlorophenol	10 U	50 U	1000 U	10 U	10 U	4000 U	10 U
2,4,5-Trichlorophenol	25 U	120 U	2500 U	25 U	25 U	10000 U	25 U
2-Chloronaphthalene	10 U	50 U	1000 U	10 U	10 U	4000 U	10 U

TABLE E-27
TCL Semi-Volatile Organic Compounds - Round I Groundwater
North Albany Former MGP Site

Sample Number	MW1-01	MW2-01	MW2-01DL	MW3-01	MW4-01	MW4-01DL	MW5-01
Sampling Date	11/2/94	11/3/94	11/3/94	11/2/94	11/2/94	11/2/94	11/3/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound							
2-Nitroaniline	25 U	120 U	2500 U	25 U	25 U	10000 U	25 U
Dimethylphthalate	10 U	50 U	1000 U	10 U	10 U	4000 U	10 U
Acenaphthylene	10 U	200	160 JD	10 U	150 JE	400 JD	210 JE
2,6-Dinitrotoluene	10 U	50 U	1000 U	10 U	10 U	4000 U	10 U
3-Nitroaniline	25 U	120 UJ	2500 U	25 U	25 UJ	10000 UJ	25 UJ
Acenaphthene	10 U	300	240 JD	10 U	30	4000 U	55
2,4-Dinitrophenol	25 U	120 U	2500 U	25 U	25 U	10000 U	25 U
4-Nitrophenol	25 U	120 U	2500 U	25 U	25 U	10000 U	25 U
Dibenzofuran	10 U	12 J	1000 U	10 U	4 J	4000 U	12
2,4-Dinitrotoluene	10 U	50 U	1000 U	10 U	10 U	4000 U	10 U
Diethylphthalate	10 U	50 U	1000 U	10 U	10 U	4000 U	10 U
4-Chlorophenyl-phenylether	10 U	50 U	1000 U	10 U	10 U	4000 U	10 U
Fluorene	10 U	210	1000 U	10 U	56	4000 U	110 JE
4-Nitroaniline	25 U	120 U	2500 U	25 U	25 U	10000 U	25 U
4,6-Dinitro-2-methylphenol	25 U	120 U	2500 U	25 U	25 U	10000 U	25 U
N-Nitrosodiphenylamine	10 U	50 U	1000 U	10 U	10 U	4000 U	10 U
4-Bromophenyl-phenylether	10 U	50 U	1000 U	10 U	10 U	4000 U	10 U
Hexachlorobenzene	10 U	50 U	1000 U	10 U	10 U	4000 U	10 U
Pentachlorophenol	25 U	120 U	2500 U	25 U	25 U	10000 U	25 U
Phenanthrene	10 U	310	310 JD	10 U	75	4000 U	110 JE
Anthracene	10 U	83	1000 U	10 U	13	4000 U	40
Carbazole	10 U	5 J	1000 U	10 U	13	4000 U	7 J
Di-n-butylphthalate	10 U	50 U	1000 U	10 U	10 U	4000 U	10 U
Fluoranthene	10 U	130	100 JD	10 U	22	4000 U	44
Pyrene	10 U	200	220 JD	10 U	26	4000 U	69
Butylbenzylphthalate	10 U	50 U	1000 U	10 U	10 U	4000 U	10 U
3,3'-Dichlorobenzidine	10 U	50 U	1000 U	10 U	10 U	4000 UJ	10 U

TABLE E-27
TCL Semi-Volatile Organic Compounds - Round I Groundwater
North Albany Former MGP Site

Sample Number	MW1-01	MW2-01	MW2-01DL	MW3-01	MW4-01	MW4-01DL	MW5-01
Sampling Date	11/2/94	11/3/94	11/3/94	11/2/94	11/2/94	11/2/94	11/3/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound							
Benzo(a)anthracene	10 U	46 J	1000 U	10 U	2 J	4000 U	30
Chrysene	10 U	46 J	1000 U	10 U	10 U	4000 U	29
bis(2-Ethylhexyl)phthalate	10 U	23 J	1000 U	10 U	150 JE	740 JD	12
Di-n-octylphthalate	10 U	50 U	1000 U	10 U	1 J	4000 U	10 U
Benzo(b)fluoranthene	10 U	13 J	1000 U	10 U	10 U	4000 U	6 J
Benzo(k)fluoranthene	10 U	17 J	1000 U	10 U	10 U	4000 U	10
Benzo(a)pyrene	10 U	29 J	1000 U	10 U	10 U	4000 U	19
Indeno(1,2,3-cd)pyrene	10 U	10 J	1000 U	10 U	10 U	4000 U	4 J
Dibenz(a,h)anthracene	10 U	50 U	1000 U	10 U	10 U	4000 U	10 U
Benzo(g,h,i)perylene	10 U	14 J	1000 U	10 U	10 U	4000 U	6 J
Semi-Volatile TICs	26 J	2414 J	24590 JD	58 J	729 J	1200 JD	2303 J

TABLE E-27
TCL Semi-Volatile Organic Compounds - Round I Groundwater
North Albany Former MGP Site

Sample Number	MW5-01DL	MW6-01	MW6-01DL	MW7-01	MW7-01DL	MW8-01	MW9-01
Sampling Date	11/3/94	11/2/94	11/2/94	11/3/94	11/3/94	11/2/94	11/1/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound							
Phenol	2000 U	23	21 JD	22	2000 U	10 U	10 U
bis(2-Chloroethyl)Ether	2000 U	10 U	80 U	10 U	2000 U	10 U	10 U
2-Chlorophenol	2000 U	10 U	80 U	10 U	2000 U	10 U	10 U
1,3-Dichlorobenzene	2000 U	10 U	80 U	10 U	2000 U	10 U	10 U
1,4-Dichlorobenzene	2000 U	10 U	80 U	10 U	2000 U	10 U	10 U
1,2-Dichlorobenzene	2000 U	10 U	80 U	10 U	2000 U	10 U	10 U
2-Methylphenol	2000 U	10 U	80 U	10 U	2000 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	2000 U	10 U	80 U	10 U	2000 U	10 U	10 U
4-Methylphenol	2000 U	3 J	80 U	15	2000 U	10 U	10 U
N-Nitroso-di-n-propylamine	2000 U	10 U	80 U	10 U	2000 U	10 U	10 U
Hexachloroethane	2000 U	10 U	80 U	10 U	2000 U	10 U	10 U
Nitrobenzene	2000 U	10 U	80 U	R	2000 U	10 U	10 U
Isophorone	2000 U	10 U	80 U	R	2000 U	10 U	10 U
2-Nitrophenol	2000 U	10 U	80 U	R	2000 U	10 U	10 U
2,4-Dimethylphenol	2000 U	10 U	80 U	R	2000 U	10 U	10 U
2,4-Dichlorophenol	2000 U	10 U	80 U	R	2000 U	10 U	10 U
1,2,4-Trichlorobenzene	2000 U	10 U	80 U	R	2000 U	10 U	10 U
Naphthalene	15000 D	140 JE	440 D	5300 JE	13000 D	4 J	10 U
4-Chloroaniline	2000 U	10 U	80 U	R	2000 U	10 U	10 U
Hexachlorobutadiene	2000 U	10 U	80 U	R	2000 U	10 U	10 U
bis(2-Chloroethoxy)methane	2000 U	10 U	80 U	R	2000 U	10 U	10 U
4-Chloro-3-Methylphenol	2000 U	10 U	80 U	R	2000 U	10 U	10 U
2-Methylnaphthalene	1600 JD	53	42 JD	1600 JE	420 JD	10 U	10 U
Hexachlorocyclopentadiene	2000 UJ	10 UJ	80 U	10 UJ	2000 UJ	10 UJ	10 UJ
2,4,6-Trichlorophenol	2000 U	10 U	80 U	10 U	2000 U	10 U	10 U
2,4,5-Trichlorophenol	5000 U	25 U	200 U	25 U	5000 U	25 U	25 U
2-Chloronaphthalene	2000 U	10 U	80 U	10 U	2000 U	10 U	10 U

TABLE E-27
TCL Semi-Volatile Organic Compounds - Round I Groundwater
North Albany Former MGP Site

Sample Number	MW5-01DL	MW6-01	MW6-01DL	MW7-01	MW7-01DL	MW8-01	MW9-01
Sampling Date	11/3/94	11/2/94	11/2/94	11/3/94	11/3/94	11/2/94	11/1/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound							
2-Nitroaniline	5000 U	25 U	200 U	25 U	5000 U	25 U	25 U
Dimethylphthalate	2000 U	10 U	80 U	10 U	2000 U	10 U	10 U
Acenaphthylene	570 JD	83 JE	73 JD	84 JE	2000 U	3 J	10 U
2,6-Dinitrotoluene	2000 U	10 U	80 U	10 U	2000 U	10 U	10 U
3-Nitroaniline	5000 UJ	25 UJ	200 U	25 UJ	5000 UJ	25 U	25 U
Acenaphthene	2000 U	95 JE	90 D	210 JE	660 JD	38	10 U
2,4-Dinitrophenol	5000 U	25 U	200 U	25 U	5000 U	25 U	25 U
4-Nitrophenol	5000 U	25 U	200 U	25 U	5000 U	25 U	25 U
Dibenzofuran	2000 U	2 J	80 U	13	2000 U	10 U	10 U
2,4-Dinitrotoluene	2000 U	10 U	80 U	10 U	2000 U	10 U	10 U
Diethylphthalate	2000 U	10 U	80 U	10 U	2000 U	10 U	10 U
4-Chlorophenyl-phenylether	2000 U	10 U	80 U	10 U	2000 U	10 U	10 U
Fluorene	2000 U	52	34 JD	99 JE	2000 U	7 J	10 U
4-Nitroaniline	5000 U	25 U	200 U	25 U	5000 U	25 U	25 U
4,6-Dinitro-2-methylphenol	5000 U	25 U	200 U	25 U	5000 U	25 U	25 U
N-Nitrosodiphenylamine	2000 U	10 U	80 U	10 U	2000 U	10 U	10 U
4-Bromophenyl-phenylether	2000 U	10 U	80 U	10 U	2000 U	10 U	10 U
Hexachlorobenzene	2000 U	10 U	80 U	10 U	2000 U	10 U	10 U
Pentachlorophenol	5000 U	25 U	200 U	25 U	5000 U	25 U	25 U
Phenanthrene	240 JD	76	97 D	160 JE	440 JD	10 U	10 U
Anthracene	2000 U	18	12 JD	65	2000 U	10 U	10 U
Carbazole	2000 U	1 J	80 U	10	2000 U	10 U	10 U
Di-n-butylphthalate	2000 U	10 U	80 U	10 U	2000 U	10 U	10 U
Fluoranthene	2000 U	40	29 JD	83 JE	2000 U	2 J	10 U
Pyrene	2000 U	53	56 JD	87 JE	220 JD	3 J	10 U
Butylbenzylphthalate	2000 U	10 U	80 U	10 U	2000 U	10 U	10 U
3,3'-Dichlorobenzidine	2000 UJ	10 U	80 U	10 U	2000 UJ	10 U	10 U

TABLE E-27
TCL Semi-Volatile Organic Compounds - Round I Groundwater
North Albany Former MGP Site

Sample Number	MW10-01	MW10-01DL	MW11-01	MW12-01	MW13-01	MW39-01*	FB110194
Sampling Date	11/2/94	11/2/94	11/1/94	11/1/94	11/1/94	11/1/94	11/1/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound							
Phenol	R	100 U	10 U	10 U	200 U	10 U	10 U
bis(2-Chloroethyl)Ether	10 UJ	100 U	10 U	10 U	200 U	10 U	10 U
2-Chlorophenol	R	100 U	10 U	10 U	200 U	10 U	10 U
1,3-Dichlorobenzene	10 UJ	100 U	10 U	10 U	200 U	10 U	10 U
1,4-Dichlorobenzene	10 UJ	100 U	10 U	10 U	200 U	10 U	10 U
1,2-Dichlorobenzene	10 UJ	100 U	10 U	10 U	200 U	10 U	10 U
2-Methylphenol	R	100 U	10 U	10 U	200 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	10 UJ	100 U	10 U	10 U	200 U	10 U	10 U
4-Methylphenol	R	100 U	10 U	10 U	200 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 UJ	100 U	10 U	10 U	200 U	10 U	10 U
Hexachloroethane	10 UJ	100 U	10 U	10 U	200 U	10 U	10 U
Nitrobenzene	R	100 U	10 U	10 U	200 U	10 U	10 U
Isophorone	R	100 U	10 U	10 U	200 U	10 U	10 U
2-Nitrophenol	R	100 U	10 U	10 U	200 U	10 U	10 U
2,4-Dimethylphenol	R	100 U	10 U	10 U	200 U	10 U	10 U
2,4-Dichlorophenol	R	100 U	10 U	10 U	200 U	10 U	10 U
1,2,4-Trichlorobenzene	R	100 U	10 U	10 U	200 U	10 U	10 U
Naphthalene	R	100 U	10 U	10 U	1500	10 U	10 U
4-Chloroaniline	R	100 U	10 U	10 U	200 U	10 U	10 U
Hexachlorobutadiene	R	100 U	10 U	10 U	200 U	10 U	10 U
bis(2-Chloroethoxy)methane	R	100 U	10 U	10 U	200 U	10 U	10 U
4-Chloro-3-Methylphenol	R	100 U	10 U	10 U	200 U	10 U	10 U
2-Methylnaphthalene	R	100 U	10 U	10 U	40 J	10 U	10 U
Hexachlorocyclopentadiene	10 UJ	100 UJ	10 UJ	10 UJ	200 UJ	10 UJ	10 UJ
2,4,6-Trichlorophenol	R	100 U	10 U	10 U	200 U	10 U	10 U
2,4,5-Trichlorophenol	R	250 U	25 U	25 U	500 U	25 U	25 U
2-Chloronaphthalene	10 UJ	100 U	10 U	10 U	200 U	10 U	10 U

TABLE E-27
TCL Semi-Volatile Organic Compounds - Round I Groundwater
North Albany Former MGP Site

Sample Number	MW5-01DL	MW6-01	MW6-01DL	MW7-01	MW7-01DL	MW8-01	MW9-01
Sampling Date	11/3/94	11/2/94	11/2/94	11/3/94	11/3/94	11/2/94	11/1/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound							
Benzo(a)anthracene	2000 U	12	10 JD	31	2000 U	10 U	10 U
Chrysene	2000 U	11	9 JD	31	2000 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	2000 U	3 J	80 U	10 U	2000 U	2 J	10 U
Di-n-octylphthalate	2000 U	10 U	80 U	10 U	2000 U	10 U	10 U
Benzo(b)fluoranthene	2000 U	4 J	80 U	10	2000 U	10 U	10 U
Benzo(k)fluoranthene	2000 U	6 J	80 U	16	2000 U	10 U	10 U
Benzo(a)pyrene	2000 U	10	9 JD	24	2000 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	2000 U	4 J	80 U	7 J	2000 U	10 U	10 U
Dibenz(a,h)anthracene	2000 U	10 U	80 U	10 U	2000 U	10 U	10 U
Benzo(g,h,i)perylene	2000 U	6 J	80 U	9 J	2000 U	10 U	10 U
Semi-Volatile TICs	15830 JD	511 J	2208 JD	582 J	2060 JD	191 J	--

TABLE E-27
TCL Semi-Volatile Organic Compounds - Round I Groundwater
North Albany Former MGP Site

Sample Number	MW10-01	MW10-01DL	MW11-01	MW12-01	MW13-01	MW39-01*	FB110194
Sampling Date	11/2/94	11/2/94	11/1/94	11/1/94	11/1/94	11/1/94	11/1/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound							
2-Nitroaniline	25 UJ	250 U	25 U	25 U	500 U	25 U	25 U
Dimethylphthalate	10 UJ	100 U	10 U	10 U	200 U	10 U	10 U
Acenaphthylene	10 UJ	100 U	10 U	10 U	200 U	10 U	10 U
2,6-Dinitrotoluene	10 UJ	100 U	10 U	10 U	200 U	10 U	10 U
3-Nitroaniline	25 UJ	250 UJ	25 U	25 U	500 U	25 U	25 U
Acenaphthene	36 J	43 JD	10 U	10 U	150 J	10 U	10 U
2,4-Dinitrophenol	R	250 U	25 U	25 U	500 U	25 U	25 U
4-Nitrophenol	R	250 U	25 U	25 U	500 U	25 U	25 U
Dibenzofuran	10 UJ	100 U	10 U	10 U	200 U	10 U	10 U
2,4-Dinitrotoluene	10 UJ	100 U	10 U	10 U	200 U	10 U	10 U
Diethylphthalate	10 UJ	100 U	10 U	10 U	200 U	10 U	10 U
4-Chlorophenyl-phenylether	10 UJ	100 U	10 U	10 U	200 U	10 U	10 U
Fluorene	25 J	18 JD	10 U	10 U	200 U	10 U	10 U
4-Nitroaniline	25 UJ	250 U	25 U	25 U	500 U	25 U	25 U
4,6-Dinitro-2-methylphenol	R	250 U	25 U	25 U	500 U	25 U	25 U
N-Nitrosodiphenylamine	10 U	100 U	10 U	10 U	200 U	10 U	10 U
4-Bromophenyl-phenylether	10 U	100 U	10 U	10 U	200 U	10 U	10 U
Hexachlorobenzene	10 U	100 U	10 U	10 U	200 U	10 U	10 U
Pentachlorophenol	R	250 U	25 U	25 U	500 U	25 U	25 U
Phenanthrene	42	67 JD	10 U	10 U	30 J	10 U	10 U
Anthracene	7 J	100 U	10 U	10 U	200 U	10 U	10 U
Carbazole	10 U	100 U	10 U	10 U	200 U	10 U	10 U
Di-n-butylphthalate	10 U	100 U	10 U	10 U	200 U	10 U	10 U
Fluoranthene	30	32 JD	10 U	10 U	200 U	10 U	10 U
Pyrene	44	50 JD	10 U	10 U	200 U	10 U	10 U
Butylbenzylphthalate	10 U	100 U	10 U	10 U	200 U	10 U	10 U
3,3'-Dichlorobenzidine	10 U	100 UJ	10 U	10 U	200 U	10 U	10 U

TABLE E-27
TCL Semi-Volatile Organic Compounds - Round I Groundwater
North Albany Former MGP Site

Sample Number	MW10-01	MW10-01DL	MW11-01	MW12-01	MW13-01	MW39-01*	FB110194
Sampling Date	11/2/94	11/2/94	11/1/94	11/1/94	11/1/94	11/1/94	11/1/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound							
Benzo(a)anthracene	6 J	100 U	10 U	10 U	200 U	10 U	10 U
Chrysene	3 J	100 U	10 U	10 U	200 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	180 JE	900 JED	2 J	10 U	200 U	10 U	10 U
Di-n-octylphthalate	4 J	100 U	10 U	10 U	200 U	10 U	10 U
Benzo(b)fluoranthene	2 J	100 U	10 U	10 U	200 U	10 U	10 U
Benzo(k)fluoranthene	2 J	100 U	10 U	10 U	200 U	10 U	10 U
Benzo(a)pyrene	2 J	100 U	10 U	10 U	200 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	1 J	100 U	10 U	10 U	200 U	10 U	10 U
Dibenz(a,h)anthracene	10 U	100 U	10 U	10 U	200 U	10 U	10 U
Benzo(g,h,i)perylene	2 J	100 U	10 U	10 U	200 U	10 U	10 U
Semi-Volatile TICs	915 J	7360 JD	99 J	2 J	272 J	--	--

* MW39-01 is the duplicate of MW9-01.

TABLE E-28
TCL Pesticides/PCBs - Round I Groundwater
North Albany Former MGP Site

Sample Number	MW1-01	MW2-01	MW3-01	MW4-01	MW5-01	MW6-01	MW7-01	MW8-01
Sampling Date	11/2/94	11/3/94	11/2/94	11/2/94	11/3/94	11/2/94	11/3/94	11/2/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound								
alpha-BHC	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
beta-BHC	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
delta-BHC	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC (Lindane)	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Aldrin	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor epoxide	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Endosulfan I	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Dieldrin	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDE	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endrin	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan II	0.1 U	0.1 U	0.1 U	0.1 U	R	0.1 U	0.1 U	0.1 U
4,4'-DDD	0.1 U	R	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan sulfate	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDT	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Methoxychlor	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Endrin ketone	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endrin aldehyde	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
alpha-Chlordane	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
gamma-Chlordane	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Toxaphene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Aroclor-1016	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1221	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Aroclor-1232	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1242	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1248	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1254	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1260	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

TABLE E-28
TCL Pesticides/PCBs - Round I Groundwater
North Albany Former MGP Site

Sample Number	MW9-01	MW10-01	MW11-01	MW12-01	MW13-01	MW39-01*	FB110194
Sampling Date	11/1/94	11/2/94	11/1/94	11/1/94	11/2/94	11/1/94	11/1/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound							
alpha-BHC	0.05 U	0.05 UJ	R	0.05 U	0.05 U	0.05 UJ	0.05 U
beta-BHC	0.05 U	0.05 UJ	R	0.05 U	0.05 U	0.05 UJ	0.05 U
delta-BHC	0.05 U	0.05 UJ	R	0.05 U	0.05 U	0.05 UJ	0.05 U
gamma-BHC (Lindane)	0.05 U	0.05 UJ	R	0.05 U	0.05 U	0.05 UJ	0.05 U
Heptachlor	0.05 U	0.05 UJ	R	0.05 U	0.05 U	0.05 UJ	0.05 U
Aldrin	0.05 U	0.05 UJ	R	0.05 U	0.05 U	0.05 UJ	0.05 U
Heptachlor epoxide	0.05 U	0.05 UJ	R	0.05 U	0.05 U	0.05 UJ	0.05 U
Endosulfan I	0.05 U	0.05 UJ	R	0.05 U	0.05 U	0.05 UJ	0.05 U
Dieldrin	0.1 U	0.1 UJ	R	0.1 U	0.1 U	0.1 UJ	0.1 U
4,4'-DDE	0.1 U	0.1 UJ	R	0.1 U	0.1 U	0.1 UJ	0.1 U
Endrin	0.1 U	0.1 UJ	R	0.1 U	0.1 U	0.1 UJ	0.1 U
Endosulfan II	0.1 U	0.1 UJ	R	0.1 U	0.1 U	0.1 UJ	0.1 U
4,4'-DDD	0.1 U	0.1 UJ	R	0.1 U	0.1 U	0.1 UJ	0.1 U
Endosulfan sulfate	0.1 U	0.1 UJ	R	0.1 U	0.1 U	0.1 UJ	0.1 U
4,4'-DDT	0.1 U	0.1 UJ	R	0.1 U	0.1 U	0.1 UJ	0.1 U
Methoxychlor	0.5 U	0.5 UJ	R	0.5 U	0.5 U	0.5 UJ	0.5 U
Endrin ketone	0.1 U	0.1 UJ	R	0.1 U	0.1 U	0.1 UJ	0.1 U
Endrin aldehyde	0.1 U	0.1 UJ	R	0.1 U	0.1 U	0.1 UJ	0.1 U
alpha-Chlordane	0.05 U	0.05 UJ	R	0.05 U	0.05 U	0.05 UJ	0.05 U
gamma-Chlordane	0.05 U	0.05 UJ	R	0.05 U	0.05 U	0.05 UJ	0.05 U
Toxaphene	5 U	5 UJ	R	5 U	5 U	5 UJ	5 U
Aroclor-1016	1 U	1 UJ	R	1 U	1 U	1 UJ	1 U
Aroclor-1221	2 U	2 UJ	R	2 U	2 U	2 UJ	2 U
Aroclor-1232	1 U	1 UJ	R	1 U	1 U	1 UJ	1 U
Aroclor-1242	1 U	1 UJ	R	1 U	1 U	1 UJ	1 U
Aroclor-1248	1 U	1 UJ	R	1 U	1 U	1 UJ	1 U
Aroclor-1254	1 U	1 UJ	R	1 U	1 U	1 UJ	1 U
Aroclor-1260	1 U	1 UJ	R	1 U	1 U	1 UJ	1 U

* MW39-01 is the duplicate of MW9-01.

TABLE E-29
TAL Metals - Round I Groundwater
North Albany Former MGP Site

Sample Number	MW1-01	MW2-01	MW3-01	MW4-01	MW5-01	MW6-01	MW7-01	MW8-01
Sampling Date	11/2/94	11/3/94	11/2/94	11/2/94	11/3/94	11/2/94	11/3/94	11/2/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Analyte								
Aluminum	33700	3250	25100	1090	7040	1790	780	9140
Antimony	38 U	38 U	38 U	49.4 B	38 U	38 U	38 U	38 U
Arsenic	10.7 J	14.4 J	5.0 UJ	7.9 JB	6.4 JB	5.0 UJ	5.0 UJ	7.6 JB
Barium	2070	2640	712	66.6 B	672	149 B	123 B	349
Beryllium	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Cadmium	2.5 JB	2.0 U	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ
Calcium	174000	197000	363000	491000	240000	71700	153000	125000
Chromium	52.2	6.2 B	34.5	6.2 B	11.8	5.0 U	5.0 U	14.4
Cobalt	49.8 B	10.3 B	39.8 B	6.0 U	11.8 B	6.0 U	6.0 U	13.3 B
Copper	123 J	7.9 B	78.4 J	5 U	22.7 B	6.9 B	5 U	54.6 J
Iron	95600	34700	54500	2290	32700	6560	47800	37300
Lead	56.4 J	6.2 J	30.1 J	6.0 J	30.6 J	7.9 J	5.5 J	36.3 J
Magnesium	61300	48400	103000	51900	26200	7930	13500	14400
Manganese	5540	1380	9900	37.2	2050	539	804	1270
Mercury	0.32	0.22	0.32	0.28	0.26	0.21	0.22	0.25
Nickel	103	26 U	54.4	26 U	26 U	26 U	26 U	28.4 B
Potassium	12400 J	7520	27800 J	20800 J	20100 J	4970 B	9330 J	6480
Selenium	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 U	5.0 UJ	5.0 UJ
Silver	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Sodium	174000	226000	297000	376000	520000	197000	169000	208000
Thallium	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Vanadium	86.8	17 U	54.9	17 U	23.7 B	17 U	17.2 B	26.8 B
Zinc	231	16 B	150	5 U	47	31.7	9.1 B	104

TABLE E-29
TAL Metals - Round I Groundwater
North Albany Former MGP Site

Sample Number	MW9-01	MW10-01	MW11-01	MW12-01	MW13-01	MW39-01*	FB110194
Sampling Date	11/1/94	11/2/94	11/1/94	11/1/94	11/2/94	11/1/94	11/1/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Analyte							
Aluminum	30400	1560	15600	13500	40100	40000	57 U
Antimony	38 U	38 U	38 U	38 U	38 U	38 U	38 U
Arsenic	13.3 J	5.0 UJ	24.3 J	5.0 UJ	17.2 J	15.6 J	5.0 U
Barium	2220	2690	292	410	672	2880	11 U
Beryllium	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Cadmium	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	5.4 J	2.0 UJ	2.0 UJ
Calcium	138000	129000	102000	221000	310000	140000	1390 U
Chromium	47.8	5.0 U	22.4	36.4	65.8 J	62.1 J	5.0 U
Cobalt	52.9	6.0 U	26.1 B	19.7 B	47.4 B	67.1	6.0 U
Copper	105 J	5 U	58.3 J	50.4 J	133 J	141 J	5 U
Iron	81100	16700	69800	36400	119000	107000	16 U
Lead	59.5 J	3.9 J	31.9 J	22.9 J	85.9 J	72.6 J	3.0 U
Magnesium	49800	25000	29000	53900	50900	54400	1550 U
Manganese	3070	1380	5300	9300	6620	3820	2 U
Mercury	0.44	0.21	0.26	0.25	0.36	0.52	0.2 U
Nickel	97.1	26 U	34.8 B	57.1	68.5	121	26 U
Potassium	9780 J	4000 B	8400	12100 J	32300 J	10800 J	840 U
Selenium	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
Silver	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Sodium	97200	25600	11100	220000	153000	95600	463 U
Thallium	50 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	50 UJ	5.0 U
Vanadium	74.3	17 U	45.4 B	26.2 B	106	95.2	17 U
Zinc	286	8.3 B	139	103	222	366	5 U

* MW39-01 is the duplicate of MW9-01.

TABLE E-30
Cyanide - Round I Groundwater
North Albany Former MGP Site

Sample Number	MW1-01	MW2-01	MW3-01	MW4-01	MW5-01	MW6-01	MW7-01	MW8-01
Sampling Date	11/2/94	11/3/94	11/2/94	11/2/94	11/3/94	11/2/94	11/3/94	11/2/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Analyte								
Cyanide	10 U	50	10 U	2530	1630	60	170	157

TABLE E-30
Cyanide - Round I Groundwater
North Albany Former MGP Site

Sample Number	MW9-01	MW10-01	MW11-01	MW12-01	MW13-01	MW39-01*	FB110194
Sampling Date	11/1/94	11/2/94	11/1/94	11/1/94	11/2/94	11/1/94	11/1/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Analyte							
Cyanide	10 U	10 U	10 U	20	370	10 U	10 U

* MW39-01 is the duplicate of MW9-01.

TABLE E-31
Conventional Water Quality Parameters - Round I Groundwater
North Albany Former MGP Site

Sample Number		MW1-01	MW2-01	MW3-01	MW4-01	MW5-01	MW6-01	MW7-01	MW8-01
Sampling Date		11/2/94	11/3/94	11/2/94	11/2/94	11/3/94	11/2/94	11/3/94	11/2/94
Parameter	Units								
Biochemical Oxygen Demand	mg/L	3 U	11	3 U	21	12	3 U	10	3 U
Chemical Oxygen Demand	mg/L	47	191	103	262	251	232	131	105
Chloride	mg/L	420	669	1050	825	1270	250	343	234
Hardness	mg/L	523	717	1180	1420	704	227	470	306
Nitrate, Nitrogen	mg/L	0.36	0.21	0.39	0.16	0.2	0.18	0.24	0.18
Oil & Grease	mg/L	7 J	21 J	5 J	9 J	19 J	2 J	18 J	3 J
Sulfate	mg/L	105	4	73	1080	48	40	160	23
Sulfide	mg/L	0.2 U	0.3	0.3	0.5	0.5	0.2 U	0.2 U	0.2
Total Cyanide	mg/L	0.01 U	0.05	0.01 U	2.53	1.68	0.06	0.17	0.16
Total Dissolved Solids	mg/L	1360	1320	3040	3060	2090	856	1070	956
pH	--	7.04	6.89	6.08	8.72	6.6	6.92	6.53	6.55

TABLE E-31
Conventional Water Quality Parameters - Round I Groundwater
North Albany Former MGP Site

Sample Number		MW9-01	MW10-01	MW11-01	MW12-01	MW13-01	MW39-01*	FB110194
Sampling Date		11/1/94	11/2/94	11/1/94	11/1/94	11/2/94	11/1/94	11/1/94
Parameter	Units							
Biochemical Oxygen Demand	mg/L	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Chemical Oxygen Demand	mg/L	6	50	15	25	202	11	5
Chloride	mg/L	225	91	20	656	601	215	1 U
Hardness	mg/L	416	430	302	724	824	420	1 U
Nitrate, Nitrogen	mg/L	0.25	0.18	0.12	0.2	0.18	0.24	0.11
Oil & Grease	mg/L	7	12 J	6	4	5 J	8	1 U
Sulfate	mg/L	89	3 U	3 U	144	73	95	3 U
Sulfide	mg/L	0.2 U	0.4	0.2 U	0.3	0.3	0.2 U	0.2 U
Total Cyanide	mg/L	0.01 U	0.01 U	0.01 U	0.02	0.37	0.01 U	0.01 U
Total Dissolved Solids	mg/L	822	630	344	1650	1800	788	10 U
pH	--	7.38	6.93	7.17	7.16	6.82	7.51	5.22

* MW39-01 is the duplicate of MW9-01.

TABLE E-32
TCL Volatile Organic Compounds - Round II Groundwater
North Albany Former MGP Site

Sample Number	MW1-02	MW2-02	MW3-02	MW4-02	MW5-02	MW5-02DL	MW7-02
Sampling Date	11/30/94	11/30/94	11/30/94	11/30/94	12/1/94	12/1/94	12/1/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound							
Chloromethane	10 U	500 U	10 UJ	20 U	250 U	5000 U	250 U
Bromomethane	10 U	500 U	10 U	20 U	250 U	5000 U	250 U
Vinyl Chloride	10 U	500 U	10 U	20 U	250 U	5000 U	250 U
Chloroethane	10 U	500 U	10 U	20 U	250 U	5000 U	250 U
Methylene Chloride	10 UJ	540 UJ	10 UJ	20 UJ	250 UJ	5000 UJ	250 UJ
Acetone	10 U	500 U	10 U	20 U	250 U	4600 JD	250 U
Carbon Disulfide	10 U	500 U	10 U	20 U	250 U	5000 U	250 U
1,1-Dichloroethene	10 U	500 U	10 U	20 U	250 U	5000 U	250 U
1,1-Dichloroethane	10 U	500 U	10 U	20 U	250 U	5000 U	250 U
1,2-Dichloroethene (total)	10 U	500 U	10 U	20 U	250 U	5000 U	250 U
Chloroform	10 U	500 U	10 U	20 U	250 U	5000 U	250 U
1,2-Dichloroethane	10 U	500 U	10 U	20 U	250 U	5000 U	250 U
2-Butanone	10 U	500 U	10 U	20 U	250 U	5000 D	250 U
1,1,1-Trichloroethane	10 U	500 U	10 U	20 U	250 U	5000 U	250 U
Carbon Tetrachloride	10 U	500 U	10 U	20 U	250 U	5000 U	250 U
Bromodichloromethane	10 U	500 U	10 U	20 U	250 U	5000 U	250 U
1,2-Dichloropropane	10 U	500 U	10 U	20 U	250 U	5000 U	250 U
cis-1,3-Dichloropropene	10 U	500 U	10 U	20 U	250 U	5000 U	250 U
Trichloroethene	10 U	500 U	10 U	2 J	250 U	5000 U	250 U
Dibromochloromethane	10 U	500 U	10 U	20 U	250 U	5000 U	250 U
1,1,2-Trichloroethane	10 U	500 U	10 U	20 U	250 U	5000 U	250 U
Benzene	10 U	5500	10 U	170	7600 JE	14000 D	1800
trans-1,3-Dichloropropene	10 U	500 U	10 U	20 U	250 U	5000 U	250 U
Bromoform	10 U	500 U	10 U	20 U	250 U	5000 U	250 U
4-Methyl-2-Pentanone	10 U	500 U	10 U	20 U	250 U	5000 U	250 U
2-Hexanone	10 U	500 U	10 U	20 U	250 U	5000 U	250 U
Tetrachloroethene	10 U	500 U	10 U	3 J	250 U	5000 U	250 U

TABLE E-32
TCL Volatile Organic Compounds - Round II Groundwater
North Albany Former MGP Site

Sample Number	MW1-02	MW2-02	MW3-02	MW4-02	MW5-02	MW5-02DL	MW7-02
Sampling Date	11/30/94	11/30/94	11/30/94	11/30/94	12/1/94	12/1/94	12/1/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound							
1,1,2,2-Tetrachloroethane	10 U	500 U	10 U	20 U	250 U	5000 U	250 U
Toluene	10 U	5600	10 U	47	3200	2800 JD	310
Chlorobenzene	10 U	500 U	10 U	20 U	250 U	5000 U	250 U
Ethylbenzene	10 U	4400	10 U	110	1900	1500 JD	900
Styrene	10 U	500 U	10 U	11 J	240 J	5000 U	250 U
Xylene (total)	10 U	4600	10 U	310	1500	850 JD	320
Volatile TICs	--	13060 J	--	1990 J	5830 J	R	4350 J

TABLE E-32
TCL Volatile Organic Compounds - Round II Groundwater
North Albany Former MGP Site

Sample Number	MW8-02	MW9-02	MW10-02	MW11-02	MW12-02	MW13-02	MW38-02*
Sampling Date	11/30/94	11/29/94	11/30/94	11/29/94	11/29/94	11/30/94	11/30/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound							
Chloromethane	10 UJ	10 U	100 U	10 U	10 U	10 UJ	10 UJ
Bromomethane	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Methylene Chloride	10 UJ	10 UJ	100 JB	10 UJ	10 U	10 UJ	10 UJ
Acetone	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Carbon Disulfide	10 U	10 U	100 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	10 U	10 U	100 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10 U	10 U	100 U	10 U	10 U	7 J	10 U
1,2-Dichloroethene (total)	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Chloroform	10 U	10 U	100 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10 U	10 U	100 U	10 U	10 U	10 U	10 U
2-Butanone	10 U	10 U	100 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Bromodichloromethane	10 U	10 U	100 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	10 U	10 U	100 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Trichloroethene	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Dibromochloromethane	10 U	10 U	100 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Benzene	39	10 U	110	10 U	10 U	140	41
trans-1,3-Dichloropropene	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Bromoform	10 U	10 U	100 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	10 U	10 U	100 U	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Tetrachloroethene	10 U	10 U	100 U	10 U	10 U	10 U	10 U

TABLE E-32
TCL Volatile Organic Compounds - Round II Groundwater
North Albany Former MGP Site

Sample Number	MW8-02	MW9-02	MW10-02	MW11-02	MW12-02	MW13-02	MW38-02*
Sampling Date	11/30/94	11/29/94	11/30/94	11/29/94	11/29/94	11/30/94	11/30/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound							
1,1,2,2-Tetrachloroethane	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Toluene	2 J	10 U	26 J	10 U	10 U	11	1 J
Chlorobenzene	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Ethylbenzene	8 J	10 U	150	10 U	10 U	96	7 J
Styrene	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Xylene (total)	10	10 U	110	10 U	10 U	55	8 J
Volatile TICs	669 J	--	6120 J	--	--	374 J	567 J

* MW38-02 is the duplicate of MW8-02.

TABLE E-32
TCL Volatile Organic Compounds - Round II Groundwater
North Albany Former MGP Site

Sample Number	FB112994	TRPBLK1	TRIPBLK	TRPBLK
Sampling Date	11/29/94	11/28/94	11/29/94	11/30/94
Units	ug/L	ug/L	ug/L	ug/L
Compound				
Chloromethane	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U
Methylene Chloride	4 JB	3 JB	2 JB	9 JB
Acetone	10 U	6 J	10 U	11
Carbon Disulfide	10 U	10 U	10 U	10 U
1,1-Dichloroethene	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	10 U	10 U	10 U	10 U
Chloroform	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10 U	10 U	10 U	10 U
2-Butanone	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	10 U	10 U	10 U	10 U
Carbon Tetrachloride	10 U	10 U	10 U	10 U
Bromodichloromethane	10 U	10 U	10 U	10 U
1,2-Dichloropropane	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	10 U	10 U	10 U	10 U
Trichloroethene	10 U	10 U	10 U	10 U
Dibromochloromethane	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10 U	10 U	10 U	10 U
Benzene	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	10 U	10 U	10 U	10 U
Bromoform	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U
Tetrachloroethene	10 U	10 U	10 U	10 U

TABLE E-32
TCL Volatile Organic Compounds - Round II Groundwater
North Albany Former MGP Site

Sample Number	FB112994	TRPBLK1	TRIPBLK	TRPBLK
Sampling Date	11/29/94	11/28/94	11/29/94	11/30/94
Units	ug/L	ug/L	ug/L	ug/L
Compound				
1,1,2,2-Tetrachloroethane	10 U	10 U	10 U	10 U
Toluene	10 U	10 U	10 U	10 U
Chlorobenzene	10 U	10 U	10 U	10 U
Ethylbenzene	10 U	10 U	10 U	10 U
Styrene	10 U	10 U	10 U	10 U
Xylene (total)	10 U	10 U	10 U	10 U
Volatile TICs	--	--	--	--

TABLE E-33
TCL Semi-Volatile Organic Compounds - Round II Groundwater
North Albany Former MGP Site

Sample Number	MW1-02	MW2-02	MW2-02DL	MW3-02	MW4-02	MW4-02DL	MW5-02
Sampling Date	11/30/94	11/30/94	11/30/94	11/30/94	11/30/94	11/30/94	12/1/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound							
Phenol	10 U	45	4000 U	10 U	10 U	2000 U	120 J
bis(2-Chloroethyl)Ether	10 U	10 U	4000 U	10 U	10 U	2000 U	1000 U
2-Chlorophenol	10 U	10 U	4000 U	10 U	10 U	2000 U	1000 U
1,3-Dichlorobenzene	10 U	10 U	4000 U	10 U	10 U	2000 U	1000 U
1,4-Dichlorobenzene	10 U	10 U	4000 U	10 U	10 U	2000 U	1000 U
1,2-Dichlorobenzene	10 U	10 U	4000 U	10 U	10 U	2000 U	1000 U
2-Methylphenol	10 U	10 U	4000 U	10 U	10 U	2000 U	1000 U
2,2'-oxybis(1-Chloropropane)	10 U	10 U	4000 U	10 U	10 U	2000 U	1000 U
4-Methylphenol	10 U	13	4000 U	10 U	2 J	2000 U	1000 U
N-Nitroso-di-n-propylamine	10 U	10 U	4000 U	10 U	10 U	2000 U	1000 U
Hexachloroethane	10 U	10 U	4000 U	10 U	10 U	2000 U	1000 U
Nitrobenzene	10 U	R	4000 U	10 U	R	2000 U	1000 U
Isophorone	10 U	R	4000 U	10 U	R	2000 U	1000 U
2-Nitrophenol	10 U	R	4000 U	10 U	R	2000 U	1000 U
2,4-Dimethylphenol	10 U	R	4000 U	10 U	R	2000 U	1000 U
2,4-Dichlorophenol	10 U	R	4000 U	10 U	R	2000 U	1000 U
1,2,4-Trichlorobenzene	10 U	R	4000 U	10 U	R	2000 U	1000 U
Naphthalene	10 U	21000 JE	12000 D	10 U	6700 JE	7900 D	4700
4-Chloroaniline	10 U	R	4000 U	10 U	R	2000 U	1000 U
Hexachlorobutadiene	10 U	R	4000 U	10 U	R	2000 U	1000 U
bis(2-Chloroethoxy)methane	10 U	R	4000 U	10 U	R	2000 U	1000 U
4-Chloro-3-Methylphenol	10 U	R	4000 U	10 U	R	2000 U	1000 U
2-Methylnaphthalene	10 U	9000 JE	1100 JD	10 U	2700 JE	820 JD	660 J
Hexachlorocyclopentadiene	10 U	10 U	4000 U	10 U	10 U	2000 U	1000 U
2,4,6-Trichlorophenol	10 U	10 U	4000 U	10 U	10 U	2000 U	1000 U
2,4,5-Trichlorophenol	25 U	25 U	10000 U	25 U	25 U	5000 U	2500 U
2-Chloronaphthalene	10 U	10 U	4000 U	10 U	10 U	2000 U	1000 U

TABLE E-33
TCL Semi-Volatile Organic Compounds - Round II Groundwater
North Albany Former MGP Site

Sample Number	MW1-02	MW2-02	MW2-02DL	MW3-02	MW4-02	MW4-02DL	MW5-02
Sampling Date	11/30/94	11/30/94	11/30/94	11/30/94	11/30/94	11/30/94	12/1/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound							
2-Nitroaniline	25 U	25 U	10000 U	25 U	25 U	5000 U	2500 U
Dimethylphthalate	10 U	10 U	4000 U	10 U	10 U	2000 U	1000 U
Acenaphthylene	10 U	200 JE	4000 U	10 U	110 JE	2000 U	240 J
2,6-Dinitrotoluene	10 U	10 U	4000 U	10 U	10 U	2000 U	1000 U
3-Nitroaniline	25 U	25 U	10000 U	25 U	25 U	5000 U	2500 U
Acenaphthene	10 U	60	4000 U	10 U	25	2000 U	280 J
2,4-Dinitrophenol	25 UJ	25 U	R	25 UJ	R	R	R
4-Nitrophenol	25 U	25 U	10000 U	25 U	25 U	5000 U	2500 U
Dibenzofuran	10 U	12	4000 U	10 U	4 J	2000 U	1000 U
2,4-Dinitrotoluene	10 U	10 U	4000 U	10 U	10 U	2000 U	1000 U
Diethylphthalate	10 U	10 U	4000 U	10 U	1 J	2000 U	1000 U
4-Chlorophenyl-phenylether	10 U	10 U	4000 U	10 U	10 U	2000 U	1000 U
Fluorene	10 U	110 JE	4000 U	10 U	56	2000 U	180 J
4-Nitroaniline	25 U	25 U	10000 U	25 U	25 U	5000 U	2500 U
4,6-Dinitro-2-methylphenol	25 U	25 U	10000 U	25 U	25 UJ	5000 U	2500 U
N-Nitrosodiphenylamine	10 U	10 U	4000 U	10 U	10 UJ	2000 U	1000 U
4-Bromophenyl-phenylether	10 U	10 U	4000 U	10 U	10 UJ	2000 U	1000 U
Hexachlorobenzene	10 U	10 U	4000 U	10 U	10 UJ	2000 U	1000 U
Pentachlorophenol	25 U	25 U	10000 U	25 U	25 UJ	5000 U	2500 U
Phenanthrene	10 U	86 JE	4000 U	10 U	62 J	2000 U	220 J
Anthracene	10 U	29	4000 U	10 U	10 J	2000 U	1000 U
Carbazole	10 U	12	4000 U	10 U	15 J	2000 U	1000 U
Di-n-butylphthalate	10 U	10 U	4000 U	10 U	10 UJ	2000 U	1000 U
Fluoranthene	10 U	24	4000 U	10 U	16 J	2000 U	1000 U
Pyrene	10 U	33	4000 U	10 U	14	2000 U	110 J
Butylbenzylphthalate	10 U	10 U	4000 U	10 U	10 U	2000 U	1000 U
3,3'-Dichlorobenzidine	10 U	10 U	4000 U	10 U	10 U	2000 U	1000 U

TABLE E-33
TCL Semi-Volatile Organic Compounds - Round II Groundwater
North Albany Former MGP Site

Sample Number	MW1-02	MW2-02	MW2-02DL	MW3-02	MW4-02	MW4-02DL	MW5-02
Sampling Date	11/30/94	11/30/94	11/30/94	11/30/94	11/30/94	11/30/94	12/1/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound							
Benzo(a)anthracene	10 U	13	4000 U	10 U	2 J	2000 U	1000 U
Chrysene	10 U	13	4000 U	10 U	1 J	2000 U	1000 U
bis(2-Ethylhexyl)phthalate	10 U	4 J	4000 U	10 U	130 JE	230 JD	1000 U
Di-n-octylphthalate	10 U	10 U	4000 U	10 U	1 J	2000 U	1000 U
Benzo(b)fluoranthene	10 U	4 J	4000 U	10 U	1 J	2000 U	1000 U
Benzo(k)fluoranthene	10 U	5 J	4000 U	10 U	10 U	2000 U	1000 U
Benzo(a)pyrene	10 U	9 J	4000 U	10 U	10 U	2000 U	1000 U
Indeno(1,2,3-cd)pyrene	10 U	3 J	4000 U	10 U	10 U	2000 U	1000 U
Dibenz(a,h)anthracene	10 U	10 U	4000 U	10 U	10 U	2000 U	1000 U
Benzo(g,h,i)perylene	10 U	4 J	4000 U	10 U	1 J	2000 U	1000 U
Semi-Volatile TICs	--	2019 J	11390 JD	34 J	764 J	1130 JD	4740 J

TABLE E-33
TCL Semi-Volatile Organic Compounds - Round II Groundwater
North Albany Former MGP Site

Sample Number	MW7-02	MW7-02DL	MW8-02	MW9-02	MW10-02	MW10-02DL	MW11-02
Sampling Date	12/1/94	12/1/94	11/30/94	11/29/94	11/30/94	11/30/94	11/29/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound							
Phenol	48 J	800 U	3 J	10 U	10 UJ	100 U	10 U
bis(2-Chloroethyl)Ether	100 U	800 U	10 U	10 U	10 UJ	100 U	10 U
2-Chlorophenol	100 U	800 U	10 U	10 U	10 UJ	100 U	10 U
1,3-Dichlorobenzene	100 U	800 U	10 U	10 U	10 UJ	100 U	10 U
1,4-Dichlorobenzene	100 U	800 U	10 U	10 U	10 UJ	100 U	10 U
1,2-Dichlorobenzene	100 U	800 U	10 U	10 U	10 UJ	100 U	10 U
2-Methylphenol	100 U	800 U	10 U	10 U	10 UJ	100 U	10 U
2,2'-oxybis(1-Chloropropane)	100 U	800 U	10 U	10 U	10 UJ	100 U	10 U
4-Methylphenol	22 J	800 U	10 U	10 U	10 UJ	100 U	10 U
N-Nitroso-di-n-propylamine	100 U	800 U	10 U	10 U	10 UJ	100 U	10 U
Hexachloroethane	100 U	800 U	10 U	10 U	10 UJ	100 U	10 U
Nitrobenzene	100 U	800 U	10 U	10 U	R	100 U	10 U
Isophorone	100 U	800 U	10 U	10 U	R	100 U	10 U
2-Nitrophenol	100 U	800 U	10 U	10 U	R	100 U	10 U
2,4-Dimethylphenol	47 J	800 U	10 U	10 U	R	100 U	10 U
2,4-Dichlorophenol	100 U	800 U	10 U	10 U	R	100 U	10 U
1,2,4-Trichlorobenzene	100 U	800 U	10 U	10 U	R	100 U	10 U
Naphthalene	1900 JE	4200 D	26	10 U	R	100 U	10 U
4-Chloroaniline	100 U	800 U	10 U	10 U	R	100 U	10 U
Hexachlorobutadiene	100 U	800 U	10 U	10 U	R	100 U	10 U
bis(2-Chloroethoxy)methane	100 U	800 U	10 U	10 U	R	100 U	10 U
4-Chloro-3-Methylphenol	100 U	800 U	10 U	10 U	R	100 U	10 U
2-Methylnaphthalene	230	180 JD	1 J	10 U	R	100 U	10 U
Hexachlorocyclopentadiene	100 U	800 UJ	10 U	10 U	10 UJ	100 UJ	10 U
2,4,6-Trichlorophenol	100 U	800 U	10 U	10 U	10 UJ	100 U	10 U
2,4,5-Trichlorophenol	250 U	2000 U	25 U	25 U	25 UJ	250 U	25 U
2-Chloronaphthalene	100 U	800 U	10 U	10 U	10 UJ	100 U	10 U

TABLE E-33
TCL Semi-Volatile Organic Compounds - Round II Groundwater
North Albany Former MGP Site

Sample Number	MW7-02	MW7-02DL	MW8-02	MW9-02	MW10-02	MW10-02DL	MW11-02
Sampling Date	12/1/94	12/1/94	11/30/94	11/29/94	11/30/94	11/30/94	11/29/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound							
2-Nitroaniline	250 U	2000 U	25 U	25 U	25 UJ	250 U	25 U
Dimethylphthalate	100 U	800 U	10 U	10 U	10 UJ	100 U	10 U
Acenaphthylene	58 J	800 U	3 J	10 U	10 UJ	100 U	10 U
2,6-Dinitrotoluene	100 U	800 U	10 U	10 U	10 UJ	100 U	10 U
3-Nitroaniline	250 U	2000 U	25 U	25 U	25 UJ	250 U	25 U
Acenaphthene	350	380 JD	51	10 U	39 J	50 JD	10 U
2,4-Dinitrophenol	R	R	R	25 UJ	R	R	25 U
4-Nitrophenol	250 U	2000 U	25 U	25 U	25 UJ	250 U	25 U
Dibenzofuran	100 U	800 U	2 J	10 U	10 UJ	100 U	10 U
2,4-Dinitrotoluene	100 U	800 U	10 U	10 U	10 UJ	100 U	10 U
Diethylphthalate	100 U	800 U	10 U	10 U	10 UJ	100 U	10 U
4-Chlorophenyl-phenylether	100 U	800 U	10 U	10 U	10 UJ	100 U	10 U
Fluorene	100	800 U	16	10 U	29 J	26 JD	10 U
4-Nitroaniline	250 U	2000 UJ	25 U	25 U	25 UJ	250 UJ	25 UJ
4,6-Dinitro-2-methylphenol	250 U	2000 U	25 U	25 U	25 U	250 U	25 U
N-Nitrosodiphenylamine	100 U	800 UJ	10 U	10 U	10 U	100 UJ	10 U
4-Bromophenyl-phenylether	100 U	800 U	10 U	10 U	10 U	100 U	10 U
Hexachlorobenzene	100 U	800 U	10 U	10 U	10 U	100 U	10 U
Pentachlorophenol	250 U	2000 U	25 U	25 U	25 U	250 U	25 U
Phenanthrene	120	110 JD	3 J	10 U	51	78 JD	10 U
Anthracene	21 J	800 U	2 J	10 U	9 J	100 U	10 U
Carbazole	100 U	800 U	1 J	10 U	10 U	100 U	10 U
Di-n-butylphthalate	100 U	800 U	10 U	10 U	10 U	100 U	10 U
Fluoranthene	23 J	800 U	3 J	10 U	39	42 JD	10 U
Pyrene	28 J	800 U	3 J	10 U	45	62 JD	10 U
Butylbenzylphthalate	100 U	800 U	10 U	10 U	10 U	100 U	10 U
3,3'-Dichlorobenzidine	100 U	800 U	10 U	10 U	10 U	100 U	10 U

TABLE E-33
TCL Semi-Volatile Organic Compounds - Round II Groundwater
North Albany Former MGP Site

Sample Number	MW7-02	MW7-02DL	MW8-02	MW9-02	MW10-02	MW10-02DL	MW11-02
Sampling Date	12/1/94	12/1/94	11/30/94	11/29/94	11/30/94	11/30/94	11/29/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound							
Benzo(a)anthracene	100 U	800 U	10 U	10 U	9 J	100 U	10 U
Chrysene	100 U	800 U	10 U	10 U	6 J	100 U	10 U
bis(2-Ethylhexyl)phthalate	100 U	800 U	1 J	10 U	210 JE	580 D	10 U
Di-n-octylphthalate	100 U	800 U	10 U	10 U	10 U	100 U	10 U
Benzo(b)fluoranthene	100 U	800 U	10 U	10 U	4 J	100 U	10 U
Benzo(k)fluoranthene	100 U	800 U	10 U	10 U	4 J	100 U	10 U
Benzo(a)pyrene	100 U	800 U	10 U	10 U	5 J	100 U	10 U
Indeno(1,2,3-cd)pyrene	100 U	800 U	10 U	10 U	2 J	100 U	10 U
Dibenz(a,h)anthracene	100 U	800 U	10 U	10 U	10 U	100 U	10 U
Benzo(g,h,i)perylene	100 U	800 U	10 U	10 U	3 J	100 U	10 U
Semi-Volatile TICs	1146 J	1180 JD	296 J	6 J	625 J	5600 JD	13 J

TABLE E-33
TCL Semi-Volatile Organic Compounds - Round II Groundwater
North Albany Former MGP Site

Sample Number	MW12-02	MW13-02	MW13-02DL	MW38-02*	FB112994
Sampling Date	11/29/94	11/30/94	11/30/94	11/30/94	11/29/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Compound					
Phenol	10 U	25	200 U	10 U	10 U
bis(2-Chloroethyl)Ether	10 U	10 U	200 U	10 U	10 U
2-Chlorophenol	10 U	10 U	200 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	200 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	200 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	200 U	10 U	10 U
2-Methylphenol	10 U	10 U	200 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	10 U	10 U	200 U	10 U	10 U
4-Methylphenol	10 U	10 U	200 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	200 U	10 U	10 U
Hexachloroethane	10 U	10 U	200 U	10 U	10 U
Nitrobenzene	10 U	10 UJ	200 U	10 U	10 U
Isophorone	10 U	10 UJ	200 U	10 U	10 U
2-Nitrophenol	10 U	10 UJ	200 U	10 U	10 U
2,4-Dimethylphenol	10 U	8 J	200 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 UJ	200 U	10 U	10 U
1,2,4-Trichlorobenzene	10 U	10 UJ	200 U	10 U	10 U
Naphthalene	10 U	620 JE	1200 D	2 J	10 U
4-Chloroaniline	10 U	10 UJ	200 U	10 U	10 U
Hexachlorobutadiene	10 U	10 UJ	200 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 UJ	200 U	10 U	10 U
4-Chloro-3-Methylphenol	10 U	10 UJ	200 U	10 U	10 U
2-Methylnaphthalene	10 U	130 JE	83 JD	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	200 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	200 U	10 U	10 U
2,4,5-Trichlorophenol	25 U	25 U	500 U	25 U	25 U
2-Chloronaphthalene	10 U	10 U	200 U	10 U	10 U

TABLE E-33
TCL Semi-Volatile Organic Compounds - Round II Groundwater
North Albany Former MGP Site

Sample Number	MW12-02	MW13-02	MW13-02DL	MW38-02*	FB112994
Sampling Date	11/29/94	11/30/94	11/30/94	11/30/94	11/29/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Compound					
2-Nitroaniline	25 U	25 U	500 U	25 U	25 U
Dimethylphthalate	10 U	10 U	200 U	10 U	10 U
Acenaphthylene	10 U	6 J	200 U	3 J	10 U
2,6-Dinitrotoluene	10 U	10 U	200 U	10 U	10 U
3-Nitroaniline	25 U	25 U	500 U	25 U	25 U
Acenaphthene	10 U	110 JE	230 D	5 J	10 U
2,4-Dinitrophenol	25 UJ	R	R	R	25 UJ
4-Nitrophenol	25 U	25 U	500 U	25 U	25 U
Dibenzofuran	10 U	2 J	200 U	10 U	10 U
2,4-Dinitrotoluene	10 U	10 U	200 U	10 U	10 U
Diethylphthalate	10 U	6 J	200 U	10 U	10 U
4-Chlorophenyl-phenylether	10 U	10 U	200 U	10 U	10 U
Fluorene	10 U	37	41 JD	10 U	10 U
4-Nitroaniline	25 U	25 U	500 U	25 U	25 U
4,6-Dinitro-2-methylphenol	25 U	25 U	500 U	25 U	25 U
N-Nitrosodiphenylamine	10 U	10 U	200 U	10 U	10 U
4-Bromophenyl-phenylether	10 U	10 U	200 U	10 U	10 U
Hexachiorobenzene	10 U	10 U	200 U	10 U	10 U
Pentachlorophenol	25 U	25 U	500 U	25 U	25 U
Phenanthrene	10 U	41	59 JD	10 U	10 U
Anthracene	10 U	5 J	200 U	10 U	10 U
Carbazole	10 U	3 J	200 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	200 U	10 U	10 U
Fluoranthene	10 U	7 J	200 U	10 U	10 U
Pyrene	10 U	7 J	200 U	10 U	10 U
Butylbenzylphthalate	10 U	10 U	200 U	10 U	10 U
3,3'-Dichlorobenzidine	10 U	10 U	200 U	10 U	10 U

TABLE E-33
TCL Semi-Volatile Organic Compounds - Round II Groundwater
North Albany Former MGP Site

Sample Number	MW12-02	MW13-02	MW13-02DL	MW38-02*	FB112994
Sampling Date	11/29/94	11/30/94	11/30/94	11/30/94	11/29/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Compound					
Benzo(a)anthracene	10 U	10 U	200 U	10 U	10 U
Chrysene	10 U	10 U	200 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	2 J	10 U	200 U	2 J	10 U
Di-n-octylphthalate	10 U	10 U	200 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	200 U	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	200 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	200 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	200 U	10 U	10 U
Dibenz(a,h)anthracene	10 U	10 U	200 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	200 U	10 U	10 U
Semi-Volatile TICs	82 J	240 J	--	226 J	--

* MW38-02 is the duplicate of MW8-02.

TABLE E-34
TCL Pesticides/PCBs - Round II Groundwater
North Albany Former MGP Site

Sample Number	MW1-02	MW2-02	MW3-02	MW4-02	MW5-02	MW7-02	MW8-02
Sampling Date	11/30/94	11/30/94	11/30/94	11/30/94	12/1/94	12/1/94	11/30/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound							
alpha-BHC	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
beta-BHC	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
delta-BHC	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC (Lindane)	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Aldrin	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor epoxide	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Endosulfan I	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Dieldrin	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDE	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endrin	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan II	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDD	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan sulfate	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDT	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 U
Methoxychlor	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Endrin ketone	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endrin aldehyde	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
alpha-Chlordane	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
gamma-Chlordane	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Toxaphene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Aroclor-1016	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1221	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Aroclor-1232	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1242	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1248	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1254	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1260	1 U	1 U	1 U	1 U	1 U	1 U	1 U

TABLE E-34
TCL Pesticides/PCBs - Round II Groundwater
North Albany Former MGP Site

Sample Number	MW9-02	MW10-02	MW11-02	MW12-02	MW13-02	MW38-02*	FB112994
Sampling Date	11/29/94	11/30/94	11/29/94	11/29/94	11/30/94	11/30/94	11/29/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound							
alpha-BHC	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U
beta-BHC	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U
delta-BHC	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U
gamma-BHC (Lindane)	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U
Heptachlor	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U
Aldrin	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U
Heptachlor epoxide	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U
Endosulfan I	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U
Dieldrin	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U
4,4'-DDE	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U
Endrin	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U
Endosulfan II	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U
4,4'-DDD	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U
Endosulfan sulfate	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U
4,4'-DDT	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U
Methoxychlor	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U
Endrin ketone	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U
Endrin aldehyde	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U
alpha-Chlordane	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U
gamma-Chlordane	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U
Toxaphene	5 UJ	5 U	5 U	5 U	5 U	5 UJ	5 U
Aroclor-1016	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U
Aroclor-1221	2 UJ	2 U	2 U	2 U	2 U	2 UJ	2 U
Aroclor-1232	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U
Aroclor-1242	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U
Aroclor-1248	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U
Aroclor-1254	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U
Aroclor-1260	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U

* MW38-02 is the duplicate of MW8-02.

TABLE E-35
TAL Metals - Round II Groundwater
North Albany Former MGP Site

Sample Number	MW1-02	MW2-02	MW3-02	MW4-02	MW5-02	MW7-02	MW8-02
Sampling Date	11/30/94	11/30/94	11/30/94	11/30/94	12/1/94	12/1/94	11/30/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Analyte							
Aluminum	R	R	R	R	R	76.6 B	R
Antimony	40.2 B	38 U	45.9 B	38 U	38 U	38 U	51.6 B
Arsenic	5.0 U	14.3	5.0 U	11.1	9.2 B	5.8 B	5.0 U
Barium	411	2540	409	62.6 B	678	97.8 B	409
Beryllium	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Cadmium	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Calcium	147000	174000	346000	430000	228000	126000	116000
Chromium	8.0 B	5.0 U	13.5	5.0 U	5.0 U	5.0 U	20.8
Cobalt	16.2 B	6.0 U	8.1 B	6.0 U	6.0 U	6.0 U	17.4 B
Copper	34.4	5 U	30.1	5 U	5 U	5 U	82.7
Iron	23600	30500	19800	2820	19100	39000	52400
Lead	17.4	6.3	11.7	24.5	7.2	3.0 U	82.8
Magnesium	40300	43100	96200	91900	25400	10500	15100
Manganese	2440	1050	7400	66.2	1850	652	2970
Mercury	0.2 U	0.2 U	0.2 U	0.4	0.2 U	0.2 U	0.24
Nickel	26 U	26 U	31.6 B	26 U	26 U	26 U	33.2 B
Potassium	8940	6660	25400	21500	20300	7730	6910
Selenium	5.0 U	5.0 UJ	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 U
Silver	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Sodium	165000	232000	291000	442000	533000	161000	153000
Thallium	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Vanadium	21 B	17 U	20.9 B	17 U	17 U	17 U	59.7
Zinc	98.7	64.2	83.9	45.2	54.3	52.2	226

TABLE E-35
TAL Metals - Round II Groundwater
North Albany Former MGP Site

Sample Number	MW9-02	MW10-02	MW11-02	MW12-02	MW13-02	MW38-02*	FB112994
Sampling Date	11/29/94	11/30/94	11/29/94	11/29/94	11/30/94	11/30/94	11/29/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Analyte							
Aluminum	R	R	R	R	R	R	57 U
Antimony	38 U	38 U	38 U	60.7	38 U	57.3 B	38 U
Arsenic	6.5 B	5.0 U	15.3	5.0 U	11.7	5.0 U	5.0 U
Barium	1190	3320	154 B	348	578	450	11 U
Beryllium	2.0 U	2.0 U	2.0 U	2.0 U	2.8 B	2.3 B	2.0 U
Cadmium	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Calcium	117000	138000	93300	225000	295000	114000	1390 U
Chromium	24.0	5.0 U	5.0 B	28.8	43.1	36.6	5.0 U
Cobalt	21.8 B	6.0 U	6.0 B	21.8 B	36.4 B	25.5 B	6.0 U
Copper	57	7.5 B	21.9 B	48.3	92.1	133	5 U
Iron	46400	24000	35100	33900	93800	66400	16 U
Lead	24.5	7.7	9.2	16.0	43.1	69.0	3.0 U
Magnesium	39300	27800	22700	53500	45300	17400	1550 U
Manganese	1600	1060	4410	9930	5600	3080	2 U
Mercury	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.21	0.2 U
Nickel	41.5	26 U	26 U	30.7 B	68.1	43.8	26 U
Potassium	7930	3870 B	7900	13000	33500	7420	840 U
Selenium	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 U
Silver	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Sodium	95200	26100	8450	225000	153000	151000	463 U
Thallium	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Vanadium	46 B	17 U	17 U	30.3 B	92.3	72.9	17 U
Zinc	186	84.6	86.6	122	210	268	5 U

* MW38-02 is the duplicate of MW8-02.

TABLE E-36
Cyanide - Round II Groundwater
North Albany Former MGP Site

Sample Number	MW1-02	MW2-02	MW3-02	MW4-02	MW5-02	MW7-02	MW8-02
Sampling Date	11/30/94	11/30/94	11/30/94	11/30/94	12/1/94	12/1/94	11/30/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Analyte							
Cyanide	10 U	30	10 U	3210	3080	172	102

TABLE E-36
Cyanide - Round II Groundwater
North Albany Former MGP Site

Sample Number	MW9-02	MW10-02	MW11-02	MW12-02	MW13-02	MW38-02*	FB112994
Sampling Date	11/29/94	11/30/94	11/29/94	11/29/94	11/30/94	11/30/94	11/29/94
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Analyte							
Cyanide	10 U	10 U	10 U	40	320	105	10 U

* MW38-02 is the duplicate of MW8-02.

TABLE E-37
Conventional Water Quality Parameters - Round II Groundwater
North Albany Former MGP Site

Sample Number		MW1-02	MW2-02	MW3-02	MW4-02	MW5-02	MW7-02	MW8-02
Sampling Date		11/30/94	11/30/94	11/30/94	11/30/94	12/1/94	12/1/94	11/30/94
Parameters	Units							
Biochemical Oxygen Demand	mg/L	3 UJ	19 J	3 UJ	34 J	10 J	18 J	6 J
Chemical Oxygen Demand	mg/L	61	217	176	212	270	116	311
Chloride	mg/L	370	648	1	935	1010	201	228
Hardness	mg/L	515	537	1220	1450	649	354	308
Nitrate, Nitrogen	mg/L	1.75	1.62	2.26	1.55	1.29	1.57	1.84
Oil & Grease	mg/L	3	9	1 U	13	3	4	1 U
Sulfate	mg/L	74	3 U	57	1250	27	189	32
Sulfide	mg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Total Dissolved Solid	mg/L	1100	1570	3130	3450	946	2450	772
pH	--	7.42	7.41	7.48	8.26	6.59	6.53	6.98

TABLE E-37
Conventional Water Quality Parameters - Round II Groundwater
North Albany Former MGP Site

Sample Number		MW9-02	MW10-02	MW11-02	MW12-02	MW13-02	MW38-02*	FB112994
Sampling Date		11/29/94	11/30/94	11/29/94	11/29/94	11/30/94	11/30/94	11/29/94
Parameters	Units							
Biochemical Oxygen Demand	mg/L	3 UJ	54 J	3 UJ	3 UJ	18 J	7 J	3 U
Chemical Oxygen Demand	mg/L	18	700	29	86	159	82	3 U
Chloride	mg/L	183	98	19	560	456	227	1 U
Hardness	mg/L	370	418	279	726	726	310	1 U
Nitrate, Nitrogen	mg/L	1.9	1.76	2.01	1.67	1.53	1.48	1.37
Oil & Grease	mg/L	2	29	1 U	1	4	1 U	1 U
Sulfate	mg/L	54	5	3 U	148	115	38	3 U
Sulfide	mg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Total Dissolved Solid	mg/L	678	588	332	1700	1600	754	10 U
pH	--	7.49	7.17	7.15	6.73	7.19	6.97	5.21

* MW38-02 is the duplicate of MW8-02.

TABLE E-38
BTEX Compounds - Air Samples
North Albany Former MGP Site

Sample Number	UP-1F	UP-1B	DW-1F	DW-1B	DW-2F	DW-2B	DW-3F	DW-3B	TP7-U1F
Sampling Date	10/4/94	10/4/94	10/4/94	10/4/94	10/4/94	10/4/94	10/4/94	10/4/94	10/3/94
Units	ug/tube	ug/tube	ug/tube	ug/tube	ug/tube	ug/tube	ug/tube	ug/tube	ug/tube
Compound									
Benzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.9* J	1.0 U	1.0 U
Ethylbenzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m&p-Xylene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
o-Xylene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

* This concentration is equal to 0.006 ppm when conversion factors and the air sample flow rate are utilized.

TABLE E-38
BTEX Compounds - Air Samples
North Albany Former MGP Site

Sample Number	TP7-U1B	TP7-D1F	TP7-D1B	TP7-D2F	TP7-D2B	TP7-D3F	TP7-D3B	FBLK01	FBLK02
Sampling Date	10/3/94	10/3/94	10/3/94	10/3/94	10/3/94	10/3/94	10/3/94	10/10/94	10/10/94
Units	ug/tube	ug/tube	ug/tube	ug/tube	ug/tube	ug/tube	ug/tube	ug/tube	ug/tube
Compound									
Benzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m&p-Xylene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
o-Xylene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

TABLE E-39
PAH Compounds - Air Samples
North Albany Former MGP Site

Sample Number Sampling Date Units	UP-2 10/4/94 mg/sample	DW-4 10/4/94 mg/sample	DW-5 10/4/94 mg/sample	DW-6 10/4/94 mg/sample
Compound				
Acenaphthylene	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Acenaphthene	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Anthracene	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Benzo[a]anthracene	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Benzo[a]pyrene	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Benzo[b]fluoranthene	0.0005 UJ	0.0005 UJ	0.0005 UJ	0.0005 UJ
Benzo[e]pyrene	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Benzo[g,h,i]perylene	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Benzo[k]fluoranthene	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Chrysene	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Dibenzo[a,h]anthracene	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Fluoranthene	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Fluorene	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Indeno[1,2,3-cd]pyrene	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Naphthalene	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Phenanthrene	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Pyrene	0.0005 U	0.0005 U	0.0005 U	0.0005 U

APPENDIX F

SURVEYING DATA

SURVEYING DATA

Location #	Elevation-Mean Sea Level Ground Surface	Top of Inner Casing
SB-1	23.69	--
SB-2	18.56	--
SB-3	19.12	--
SB-4	19.38	--
SB-5	23.24	--
SB-6	18.02	--
SB-7	20.25	--
SB-8	18.84	--
SB-9	20.88	--
SB-10	19.15	--
SB-11	19.53	--
SB-12	18.15	--
SB-13	23.98	--
SB-14	24.24	--
SB-15	20.71	--
SB-16	20.26	--
SB-17	19.89	--
SB-18	29.49	--
SB-19	25.89	--
SB-20	20.54	--
SB-23	20.60	--
SS-1	19.30	--
SS-2	18.55	--
MW-1	20.87	22.93
MW-2	27.05	26.51
MW-3	22.23	21.77
MW-4	20.16	19.52
MW-5	20.63	20.25
MW-6	16.63	NA
MW-7	18.08	17.84
MW-8	19.60	19.22
MW-9	21.66	21.24
MW-10	17.81	17.45
MW-11	18.89	20.97
MW-12	18.45	20.27
MW-13	20.18	21.98
MW-14	17.95	17.63
TP-1	17.87	--
TP-2	19.57	--
TP-3	20.90	--
TP-4	23.77	--
TP-5	23.14	--
TP-6	20.31	--
TP-7	21.62	--
TP-8	25.90	--

NA - Not available.