REMEDIAL ACTION WORK PLAN
NORTHERN REDEVELOPMENT AREA
CENTRAL CORE
EAST ROME BUSINESS PARK
ROME, NEW YORK

Prepared By:

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Utica, New York 13501

JEE Project No. 8514

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MAY 5, 1998

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1.0 INTRODUCTION

This work plan presents the scope of work for remedial measures to be conducted at the northern portion of the Central Core area of the East Rome Business Park in Rome, New York ("Northern Redevelopment Area"). The redevelopment of this Central Core area, which is comprised of a portion of the former General Cable manufacturing facility, has been subdivided for redevelopment into seven parcels: the Pecoraro Dairy Products site, the Canterbury Printing expansion area, the City of Rome industrial access road right-of-way ("Roadway Property"), the Rod Mill parcel, and the three parcels fronting Railroad Street or the northern portion of the City's proposed access road (Figure 1-1).

The central core area is a 17-acre parcel of land within the proposed 200-acre industrial redevelopment area known as the East Rome Business Park. The core area is generally bounded by Railroad Street to the north, the New York State Barge Canal Corporation property to the south and by industrial and commercial properties to the east and west. The property has been owned by Mr. Charles A. Gaetano since 1975 and is listed by the City of Rome as tax map parcel #242.020-0001-018. The Roadway Property, which is to be used for a new public road, was conveyed to the City in March of 1997 after the New York State Department of Environmental Conservation (NYSDEC) approved the City's application for a State Assistance Contract under the 1996 Clean Water/Clean Air Bond Act.

1.1 Background

The history of the site is described in the report titled "Phase I Environmental Site Assessment, City of Rome Industrial Redevelopment Area, Rome, New York" [RETEC, 1995]. The site was first developed in the late 1800s when the Rome Tube Company began construction of a casting and pickling facility. In 1904, the Electric Wire Works (later the Rome Wire Company) began construction on the northwest portion of the site. The Rome Wire Company, and its successor, General Cable, operated the facility from 1920 to 1972. During that period, a wide-range of metalworking activities were conducted, including machining, stamping and drawing, plating, pickling, and coating with rubber, asbestos, and paints [RETEC, 1995]. General Cable ceased operations at the site in 1972.

Charles Gaetano, the site owner, acquired title to the site after General Cable ceased manufacturing operations. Since that time, he has leased the site to various tenants and has continued to seek redevelopment of the site for commercial or industrial use. At present, the site contains abandoned buildings and open areas, most of which are covered with concrete pavement. Demolition to grade of several of the former General Cable buildings at the northern end of the site has been completed by Mr. Gaetano.

In December 1996, RETEC conducted a site-wide Phase II investigation of the central core site to provide the environmental data needed to plan the redevelopment of the site [RETEC, 1997a]. The field work consisted of three surface soil samples; 22 soil borings; collection of 20 groundwater samples from temporary well points in the soil borings; soil gas sampling; shallow monitor well installation (four wells) and sampling; ambient air sampling from selected buildings; and a survey and sampling of subsurface structures and utilities. Features within the Northern Redevelopment Area which were investigated included former General Cable Buildings 33, 39, 41 and 50, a set of test bath structures, the subsurface utility system, and soil and groundwater conditions associated with former industrial process areas (Figure 1-2).

Additional investigation of the Northern Redevelopment Area was conducted in the summer of 1997 by RETEC for the City of Rome in association with the Site Investigation (SI) of the industrial access roadway parcel. Soil, water, and utilities on the Northern Redevelopment Area with the potential to impact the roadway were investigated under the terms of the SI approved by NYSDEC. Additional samples outside the work area of the SI were also obtained to provide information on the utility system at the Northern Redevelopment Area. These findings were reported in the site investigation report [RETEC, 1997b].

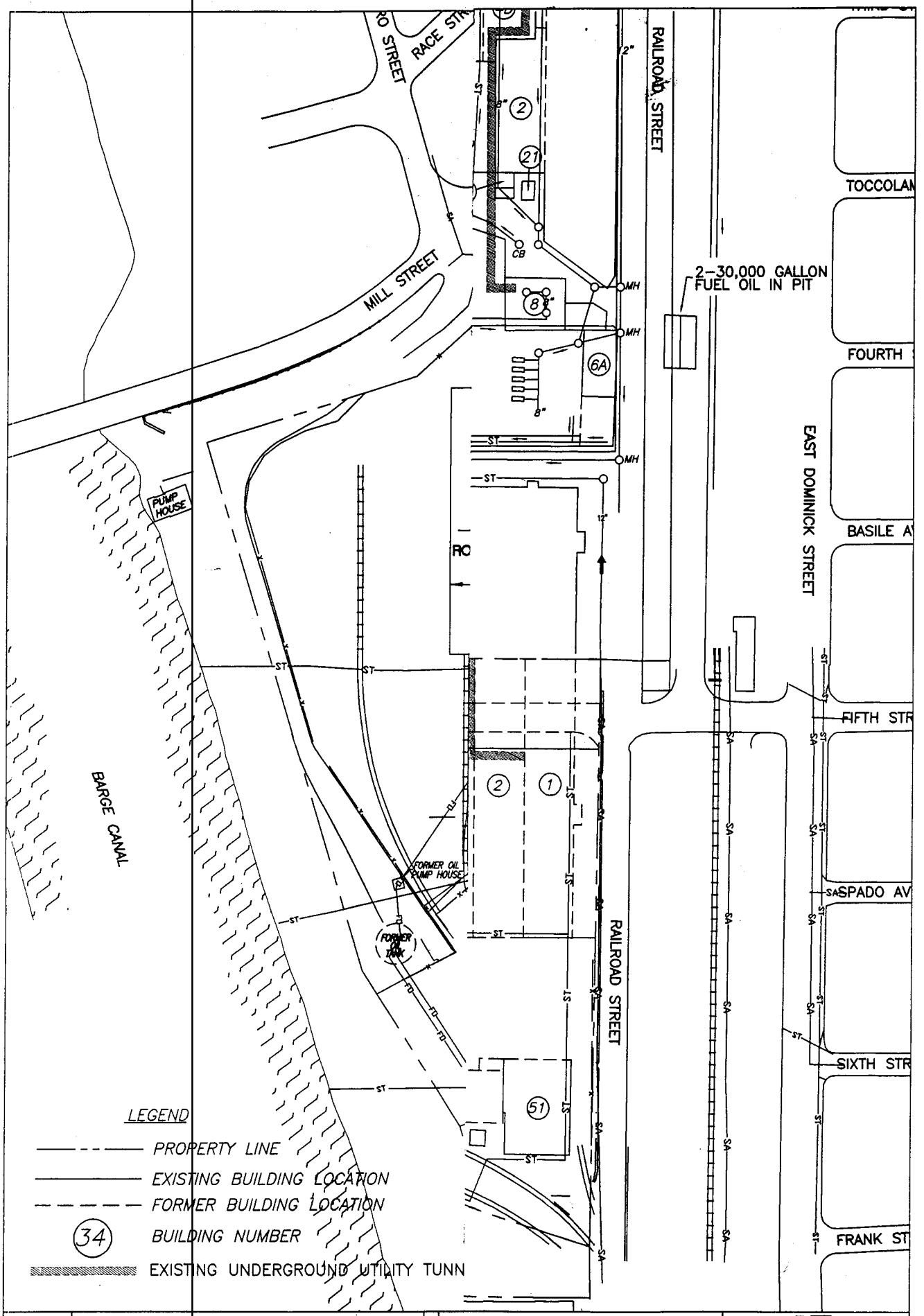

FIGURE 1-1
ACRE SITE SUBDIVISIONS

ROME, NEW YORK

JACK EISENBACH ENGINEERING, P.C.

1.2 Remedial Objectives

The proposed remedial measures ("Remedial Action") presented in this work plan for the Northern Redevelopment Area were developed based upon the findings and recommendations presented in the recently completed Phase II Investigation [RETEC, 1997a] and Site Investigation (SI) [RETEC, 1997b]. Remedial Action on the Northern Redevelopment Area will be implemented by Mr. Gaetano, the site owner, under a Voluntary Remedial Agreement with the NYSDEC, and by the City of Rome under the terms of a Record of Decision for remediation of features associated with the proposed industrial access roadway. The objective of the agreement is to create conditions for redevelopment of the site which are protective of human health and the environment for commercial/industrial use.

1.3 Area Description and Summary of Environmental Findings

1.3.1 Area Description

The Northern Redevelopment Area consists of four (4) subdivided parcels within the Central Core project area. Parcel 1 is a 1.500 acre vacant lot located at the corner of Railroad Street and the Roadway Property. Parcel 2 is a 2.019 acre lot located at the corner of Railroad Street and the right of way which extends from Railroad Street south into the current business park area. The lot is vacant except for a remnant of former General Cable Building 51 and a small concrete shed structure. Parcel 3 consists of 1.458 acres and is located along the Roadway Property. The lot is partially covered by former General Cable Buildings 33 and 39.

The Pecoraro Property is 2.578 acres and is located adjacent to a right of way in the southeast quadrant of the site which is owned by the Rome Industrial Development Corporation. It is partially covered by former General Cable Buildings 41 and 50.

In addition to the structures listed, each parcel also has piles of demolition debris from structures in the Northern Redevelopment Area which were demolished by Mr. Gaetano in accordance with his Joint Development Agreement with the City, and from an earlier demolition phase which followed a fire at the site.

1.3.2 Pecoraro Development Site

The previously conducted Phase II investigation of subsurface utilities and process structures on the Pecoraro Property included evaluation of the storm sewer system, process test bath structures, and Building 41 floor and roof drain sumps. An active 15-inch storm sewer system beneath Building 41 collects surface water from drains in the north (former Building 37) and from the west (Building 50) and from a surface run-off catch basin outside of Building 41 to the south (U41-2). The storm water system also collects water from the roof drains (U41-4) and floor drain systems in Building 41. The collected water then discharges to a 30-inch line located south of Building 41.

Visual and olfactory evidence of contamination in the storm sewer system was found only at sample location U41-1, where a hydrocarbon sheen was observed. The results of the chemical analysis of water in U41-1 did not detect any organics, PCBs or significant concentrations of metals.

Three (3) process test baths are located in Building 50. Those structures were constructed to hold water so that the waterproofing of electrical coils and other equipment could be tested. The baths are constructed of poured concrete and are approximately 20 feet long, 16 feet wide and 12 feet deep.

The foundations of the baths are visible in the basement of Building 50. An inspection of the foundation of the test baths indicated that the structures were intact and no signs of leakage were noted.

LEGEND

PROPERTY LINE

U33–2 UTILITY SAMPLE LOCATION – FIELD CHARACTERIZATION

U37–1 UTILITY SAMPLE LOCATION – ANALYTICAL SAMPLES COLLECTED

A1 AMBIENT AIR SAMPLING LOCATION

MW14 APPROXIMATE MONITORING WELL LOCATIONS

SB–18 APPROXIMATE SOIL BORING LOCATION

SG4 APPROXIMATE SOIL GAS BORING LOCATION

EXISTING UNDERGROUND UTILITY TUNNEL

GEORGE A. ROSSI BUILDING

UNDERGROUND FUEL OIL TANK

FUTURE ROAD

PROPOSED FUTURE ROAD

STORM SEWER

PROCESS TEST BATHS

SUMP

HESS BLDG.

LANDS N/F SERWAY

PROP. R.O.W.

EXIST. R.O.W.

DOMINICK STREET

BASILE AVEN

FIFTH STREET

SPADO AVENU

RAILROAD STREET

SIXTH STREET

FRANK STREE

APPROXIMATE SCALE IN FEET

PLANNING DEPARTMENT
ROME, NEW YORK

FIGURE 1–2
NORTHERN REDEVELOPMENT AREA

ROME, NEW YORK

JACK EISENBACH ENGINEERING, P.C.

DRAWING NUMBER 8514SA44

REV

REFERENCE DWG | DESCRIPTION | NO | DRWN | DATE | REVISION | CHKD | DATE | APPVD | DATE

CURRENT DATE: 3/25/98

CAD FILE: 8514sa44

Each of the bath structures is currently filled with construction debris and standing water. A sample of material from the bottom of the test bath structures was not available, however, a laboratory sample was collected from the standing water in the center test bath (U50-6). The results of the analyses indicate that there were no significant concentrations of organic or metal chemicals of interest (COIs). PCB 1260 was detected in a concentration of 11.2 ug/L.

1.3.3 Future Development Parcels

The future development parcels consist of Parcel Nos. 1-3 on the City's approved subdivision map (not included). Subsurface structures and utilities in this area include an abandoned sanitary sewer line, the northern utility tunnel and trench drain system, process subfloor vaults and basement floor and roof drain sumps. The abandoned sanitary sewer line which crosses the site from west to east is a continuation of a sanitary line from the Roadway Property. A very low flow rate (less than 1 gpm) was observed in the sanitary sewer at the time of the Phase II Investigation. A laboratory sample was collected from sample location U37-1 and analyzed for volatile organics only. The results of the analysis indicated that no volatile organic COIs were detected. The condition and contents of this line were investigated further by the City concurrently with the investigation of the Roadway Property partially funded by a State Assistance Contract (SAC).

From the sump, the storm sewer system consists of an 18-Inch line beneath the floor of the basement of Buildings 33 and 39 with subsequent discharge to the storm sewer adjacent to Building 9. Additional water flows into the sewer system from roof drains and floor sumps in both Building 39 and 33. A portion of this water drains to the sewer line to the west, adjacent to Building 9. The remaining floor drains in Building 33 discharge to the manhole at the north end of Building 53.

Black sludge accumulations were found in two of the floor sumps (U33-1 and U33-2). A laboratory sample was collected from the sludge at sample location U33-1. The results of the analyses indicate that there were no significant concentrations of organic COIs, except that PCB 1260 was detected at a concentration of 30.9 mg/Kg. The metals analyses showed elevated concentrations of site metals, such as copper (2,180 mg/Kg), lead (3,420 mg/Kg), and the presence of antimony (162 mg/Kg).

Samples obtained during the SI of the sludge in adjacent storm sewer manways (U33-3 and U33-4) showed total PAH concentrations of 64.7 and 98.0 mg/Kg, respectively. Both of these sumps also contained PCBs above the TSCA hazardous waste threshold of 50 mg/Kg. The concentrations of copper, lead, antimony, and other metals in these sumps were consistent with the Phase II results.

A significant subsurface feature in the parcel bounded by Railroad Street and the proposed City roadway is the northern utility tunnel system. These tunnels are not large enough for worker access. They appear to have been constructed to contain piping for the former industrial complex. Two laboratory samples were collected from soil in the tunnel floor during the Phase II Investigation. Samples U1-1 and U6-1 contained lead in concentrations of 1,100 mg/Kg and 610 mg/Kg, respectively. No significant concentrations of organic COIs were detected in the samples. PCB 1260 was found in a concentration of 5.4 mg/Kg in sample U1-1.

In addition to the northern utility tunnels, the concrete floors of former Buildings 1, 2, 3, 6, 37 and 50 contain several subfloor process vaults. Several of these vaults have been recently filled with demolition debris. Visual evidence of hydrocarbon contamination was found at sample location U37-2, which was a concrete vault approximately 20 feet long, 10 feet wide and 6 feet deep. A 12 inch thick accumulation of sludge and grease was found on the vault floor. Chemical analysis of the sludge found an elevated lead concentration (5,730 mg/Kg) and the presence of antimony (10.4 mg/Kg). No significant concentrations of polynuclear aromatic hydrocarbons (PAHs) or PCBs were found. Toluene and xylene were found at concentrations of 1.4 mg/Kg and 1.9 mg/Kg, respectively. The chemical analysis of soil from the subfloor vault at sample location U50-4 indicated no significant concentrations of COIs.

1.3.4 Summary of Environmental Findings

The following presents the key environmental findings and their significance for the redevelopment of the Northern Redevelopment Area. These findings were summarized from the Phase II Site Investigation Report [RETEC, 1997a], the Roadway Site Investigation (SI), and work performed in the Northern Redevelopment Area at the same time of the SI [RETEC, 1997b]. Analytical results are summarized in Appendix A.

- The northernmost tier of buildings within the Northern Redevelopment Area have been demolished to the ground surface, This includes former General Cable Buildings 1, 2, 3, 6, 22, 37, 39a, 40, and a portion of 51. Buildings which remain and which may be reused are 33, 39, 41, and 50, all of which are constructed over full basements. Buildings 41 and 50 are currently planned for reuse by Pecoraro Dairy Products of Rome, New York.

- No volatile organic compounds were detected in the ambient air in the basements of Buildings 33, 41, and 50. This is consistent with the findings that there are little or no BTEX compounds at the site, and that the presence of chlorinated volatile organic compounds is limited to the area south of the Rod Mill Parcel. Because there is no impact on these buildings, their proposed reuse for manufacturing can go forward without any engineering controls or building use restrictions.

- The area is covered by buildings and pavement; no significant exposures of soil exist.

- Concentrations of metals were found to be elevated above naturally occurring levels in soil samples from the soil borings. Elevated concentrations of copper, zinc, nickel, and cadmium were measured in soil boring SB-18 at a depth of 8 to 10 feet below a 1-foot thick concrete slab. Six polynuclear aromatic hydrocarbon (PAHs) compounds were detected in low concentrations in the soil sample from SB-18. The concrete prevents exposure, thereby eliminating potential exposure and risk which might be posed by the soil.

- Trace levels of PAHs were detected in the soil sample from boring SB-15, with most compounds below soil cleanup guidance values (see NYSDEC TAGM #4046). Groundwater from boring SB-16 showed impact by hydrocarbons which elevated the detection limits for volatile and semi-volatile compounds; however, no compounds were detected above the elevated detection limits.

- No elements or compounds were detected in ground water at concentrations exceeding NYSDEC drinking water standards except for antimony at MW-16. The concentration of antimony (0.030 to 0.035 mg/L) is consistent with the average concentration across the Central Core site.

- Trace concentrations of PCB 1260, zinc, arsenic, antimony, and lead were found in the one bath structure sampled in Building 50. These structures are filled with site debris (concrete, brick, etc.). The structures are constructed within the basement of Building 50 and there was no evidence of leakage in the basement from the three test baths.

- One concrete pit was found (U37-2), which contained grease with a high lead concentration. No evidence of impacts from this structure was observed at the adjacent soil boring.

- Storm sewer sumps in the basement of Building 33 contained sludge which was impacted by lead, copper, antimony, and PCB 1260. No evidence of leakage from this structure was observed downgradient at monitoring well MW-16.

The Phase II report for the Central Core Area of the East Rome Business Park has been reviewed by the New York State Department of Health (NYSDOH). In its letter of April 22, 1997 commenting on the draft Phase II report, NYSDEC indicated that NYSDOH has concluded that the concentrations of metals and organic compounds in the soil at the site would not pose a risk for future commercial site development, provided that a cap was maintained over the soil and a deed restriction limiting site use to commercial or industrial was put in place.

1.4 Work Plan Organization

The remainder of this work plan is divided into four main sections. Section 2.0 describes the scope of work of the remedial activities. Section 3.0 describes the information that will be included in a closure report which will describe the work performed and document the performance of the remedial activities. Section 4.0 presents the proposed schedule for conducting the remedial activities. Section 5.0 presents a list of references used in preparing this work plan.

2.0 SCOPE OF WORK

This section presents the specific activities for the remediation of the Northern Redevelopment Area, including institutional controls and remedial actions. Prior to any site development activities, a site-specific health and safety plan (HASP) will be prepared based on the existing plan for investigation. This plan outlines the safety procedures for the construction workers and the steps to be taken to minimize any off-site impacts during remedial activities at the Northern Redevelopment Area.

The remedial actions are based on the following goals specified by NYSDEC during review of the findings of the Phase II investigation and the data generated in the course of the City's roadway brownfield remedial program:

1) Prevention of the migration of PCBs and copper to groundwater and the Mohawk River. PCBs, copper, and other metals associated with past industry practices at the site are found in the soil and the storm sewer system. Water quality conditions in the Barge Canal and Mohawk River are such that a discharge limit of non-detect for PCBs and copper has been established by the NYSDEC Division of Water. A goal of the remedial program will therefore be to remove all materials from the utility systems which contain copper above background condition, or trace levels of PCBs where these materials have the potential to be transported to surface water.

2) Prevention of off-site migration of impacted groundwater via man-made conduits. There are concerns that impacted groundwater may leave the site through bedding materials associated with utility lines installed at or below the water table. Investigations of the utility lines to date have not identified any areas where this is a concern; all of the storm sewer lines have been found to be installed above the water table.

3) Prevention of migration of contaminants onto the City of Rome Roadway Property. The potential risk of contaminants migrating onto the Roadway Property must be eliminated. The prevention of contaminants running on to the Roadway Property will require the remedial program to address migration pathways on the Northern Redevelopment Area, namely, the storm sewer and tunnel system.

2.1 Remedial Activities

This section describes the Remedial Action to be taken on the Northern Redevelopment Area to address specific concerns identified by the site investigations. Activities anticipated to be performed by the City of Rome under the NYSDEC municipal brownfield program for the Roadway Property are identified because they are part of the remedial plans for the area. Activities which will be undertaken by the City include:

- Removal of tunnels (as shown on Figure 2-1), (see section 2.1.4).
- Clean out and/or abandon upgradient storm/sanitary sewer lines to the property boundary (see section 2.1.5 & 2.1.6).
- Clean out storm sewer line beneath Building 39 (see section 2.1.5).

Activities to be undertaken by the property owner include: city - Debris pile #7

- Debris pile removal (see section 2.1.1).
- Clean out of test bath structure (see section 2.1.2).

- Clean out of process sump (see section 2.1.3).
- Clean out and abandonment of tunnels (see section 2.1.4).
- Clean out and/or abandonment of storm sewer lines within the property as needed to support future redevelopment (see section 2.1.6).

Site features to be addressed by the remedial work plan are identified on Figure 2-1.

Schedule

The remedial actions planned for the Northern Redevelopment Area will be closely coordinated with activities performed within the remainder of the Central Core Area. The objective of this work plan is to complete remedial actions in a sequence which ensures that areas identified for clean up will not be recontaminated by activities undertaken at the Northern Area perimeter, and to allow for remedial work to be completed efficiently throughout the site. Remedial activities will be completed according to the following sequence: 1) the City will complete asbestos abatement, building demolition, complete the clean out of tunnels and clean or abandon upgradient utility lines and storm or sewer lines around the perimeter (Roadway Property and Rod Mill Parcel) and, 2) the site owner will then complete the clean out of the remaining tunnels and storm sewer lines as redevelopment of the property progresses. The remediation of the sump and bath structures, and the disposal of debris piles can be performed at any time, independent of the city program.

2.1.1 Removal of Debris Piles

The piles of demolition debris which are present at the site will be removed for off-site landfill disposal in accordance with applicable federal and state asbestos regulations, including NYSDOL asbestos regulations.

2.1.2 Clean Out of Test Bath Structures

The debris and water in the three test baths located in Building 50 (Figure 2-1) will be removed. These test baths contain demolition debris such as concrete, brick, and wood. A sample of the water from one of the baths contained trace concentrations of PCB 1260, zinc, arsenic, antimony, and lead. One representative water sample will be obtained from each of the two previously unsampled baths for volatiles, PAHs, PCBs, and metals analyses. These analyses will be used to determine the appropriate disposition of the water and debris (that is, as hazardous or non-hazardous waste). If the sampling results are similar to the previously collected water sample, the debris can be disposed of in an off-site landfill as a non-hazardous waste.

The debris will be removed from the test baths using a backhoe and loaded directly into roll-off boxes prior to shipment to the selected disposal facility, or stockpiled adjacent to the building. Water will be pumped into vacuum trucks for shipment off-site. The previously collected water sample results will be used to select a disposal facility for any water in the test baths. Additional sampling will be performed as required by the off-site treatment or disposal facility.

Following water removal, the baths will be cleaned using a high pressure water wash. More aggressive cleaning techniques (such as the use of hot water or steam cleaning, or manual cleaning) will be employed if residual waste materials are present on the surfaces of the structures and cannot be removed by the high pressure wash. The wash water will also be vacuumed out and sent off-site for disposal.

It should be noted that the debris may have to be staged on-site if a disposal facility cannot be selected prior to removal of the debris from the test baths. Staging of this material would be necessary if representative samples cannot be collected until the material is removed. Contaminated materials would be staged in roll-offs or within plastic sheeting prior to transport and disposal.

2.1.3 Clean Out of Process Sump

The grease and sludge from the concrete vault at former Building 37 (location 37-2 shown on Figure 2-1) will be removed and the structure cleaned or removed. Prior to remediation, the grease, which contains elevated lead and PCB concentrations, will be sampled to determine disposal options. The concrete vault will be manually cleaned (i.e., using hand tools) and then washed using a high pressure water wash and/or steam. This wash water will be vacuumed or pumped out and sent off-site for disposal. Prior to disposal, a representative sample of the wash water will be analyzed for PCBs, if necessary, to determine the ultimate disposition of the water.

2.1.4 Clean Out and Abandonment of Tunnels

The tunnels on the Northern Redevelopment Area have been found to be shallow structures which are constructed above the water table. Debris or waste materials in these tunnels will be removed and the tunnels abandoned in place by filling with structural fill. Alternatively, the tunnels and their contents will be removed from the site during site demolition or reconstruction activities.

2.1.5 Utility Lines and Manways

All utility lines at the Northern Redevelopment Area that are to be reused on a permanent or interim basis will be cleaned to remove accumulations of sediments or sludge. Lines that will not be reused will be abandoned in place. Utility lines, sumps, and manways that have been identified by the site investigations are indicated on Figure 2-1.

Two types of utility lines are present on this parcel: lines which are contained within conduits or structures such as the utility tunnel, and lines buried in the ground. Abandoned lines within the structures will be removed during site demolition and remediation. Lines buried in utility line trenches in the ground will be cleaned or abandoned in place.

A specific target of this phase of work is the storm sewer system within Building 33 and 39. This storm sewer line contains sediments with elevated concentrations of PCBs and metals. The storm sewer sumps and associated lines will be cleaned to remove all accumulated solids and liquids. After cleaning, the storm sewer lines in these buildings will be maintained for drainage of the site through the existing site storm sewer system.

2.1.6 Utility Line Abandonment

All utility lines that will not be reused will be abandoned. Abandonment will be by either cleaning followed by cutting and capping the lines in place, or by removal. The method of abandonment will be selected during the development of site redevelopment plans. Lines which are shown to act as conduits for contaminated groundwater flow will be abandoned so that the groundwater migration pathway is removed. (Based on the investigation of the utility lines on the Northern Redevelopment Area, no lines have been identified for which this is a concern.) This will be accomplished by creating a barrier to groundwater flow with a low permeability material, or by removal of the line and backfilling the utility trench with soil with a permeability equal to or lower than that of the surrounding soil.

2.2 Institutional Controls

As discussed in Section 1, the concentration of metals in the soil and groundwater within the Northern Redevelopment Area are acceptable for commercial/industrial site occupation and use if a cap is maintained. The cap will consist of a building foundation, concrete or asphalt pavement or a minimum of six inches of topsoil or clean fill. To ensure that increased exposure to the soils does not occur without proper review, a deed restriction will be placed on the Northern Redevelopment Area to specify that future site use shall be limited to a commercial/industrial purposes. (Note that the use of site groundwater for drinking water is prohibited by state law due to the presence of an active municipal water supply system [New York State Uniform Fire Prevention and Building Code (9 NYCRR 902.1 (a))].

New water and sewer lines will be installed within the City of Rome roadway property to service the site. The city roadway which crosses the Central Core area will be permanently capped by the road and associated sidewalks and landscaping.

2.3 Decontamination

All field equipment (i.e., backhoe, hand tools) will be broom cleaned, and high pressure water washed or steam cleaned following use. The equipment will be cleaned over a temporary decontamination pad constructed so that water that is generated during the cleaning process is contained. The fluids generated during this cleaning process will be containerized in 55-gallon drums or other suitable tanks, or vacuumed with the vac truck for disposal at the selected off-site disposal facility. Any personal protective equipment (PPE), and the plastic sheeting used to construct the decontamination pad, will be disposed at a selected landfill as non-hazardous waste.

LEGEND

PROPOSED PROPERTY LINE

U33–2 UTILITY SAMPLE LOCATION – FIELD CHARACTERIZATION

U37–1 UTILITY SAMPLE LOCATION – ANALYTICAL SAMPLES COLLECTED

A1 AMBIENT AIR SAMPLING LOCATION

MW14 APPROXIMATE MONITORING WELL LOCATIONS

SB–18 APPROXIMATE SOIL BORING LOCATION

SG4 APPROXIMATE SOIL GAS BORING LOCATION

EXISTING UNDERGROUND UTILITY TUNNEL

GEORGE A. ROSSI BUILDING

UNDERGROUND FUEL OIL TANK

FUTURE ROAD

PROPOSED FUTURE ROAD

RAILROAD STREET

DOMINICK STREET

BASILE AVEN

FIFTH STREET

SPADO AVENU

SIXTH STREET

FRANK STREE

UTILITY LINES TO BE CLEANED

TUNNEL SYSTEM TO BE REMOVED

TUNNEL TO BE CLEANED AND ABANDONED

PROCESS TEST BATHS TO BE CLEANED

SUMP TO BE CLEANED

SUSPECTED TUNNEL LOCATION

LANDS N/F SERWAY

HESS BLDG.

PROP. R.O.W.

EXIST. R.O.W.

APPROXIMATE SCALE IN FEET

PLANNING DEPARTMENT
ROME, NEW YORK

FIGURE 2–1
OTHER INVESTIGATION AND REMEDIATION TARGETS

ROME, NEW YORK

JACK EISENBACH ENGINEERING, P.C.

DRAWING NUMBER 8514SA58

3.0 REMEDIATION DOCUMENTATION

Following completion of the remediation performed by both the property owner and the City of Rome, a closure report will be prepared to document all remedial actions. This report will summarize the work performed including procedures used, quantity of material removed, analytical results, and manifests or bills of lading for final disposition. The report will contain a certification by the project engineer that the work was performed in accordance with this Department-approved Work Plan. The closure report will be submitted to NYSDEC for approval under the terms of the Voluntary Remedial Agreement.

4.0 IMPLEMENTATION SCHEDULE

The schedule for performing the remedial measures on the Northern Redevelopment Area will be based on the timing for site renovation and reoccupation, and on the timing of remediation of structures which influence two or more properties (such as utility lines which cut across property boundaries). This schedule is also contingent upon the scheduling of remediation activities to be performed by City of Rome on the Roadway Property. The clean out or abandonment of sewers on the Northern Redevelopment Area which drain the city roadway property cannot be performed until after the upstream segments are remediated. The sewers on the northern roadway property will be remediated during Phase II of the city demolition and remediation program. Remediation of structures associated with the Pecoraro Property will be performed in the course of building and site reconstruction. The balance of the Northern Redevelopment Area will be remediated as redevelopment goes forward on each parcel. All remedial work on a given parcel will be completed prior to redevelopment.

5.0 REFERENCES

New York State Department of Environmental Conservation, Letter to Remediation Technologies, Inc., April 22, 1997.

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RETEC, 1997a. "Phase II Investigation of the Former General Cable Manufacturing Site, Rome, New York". Draft report prepared by Remediation Technologies, Inc. March, 1997.

RETEC, 1997b. "Site Investigation/Remedial Alternatives Report, Roadway Right-of-Way Property, East Rome Business Park, Rome, New York". Report prepared by Remediation Technologies, Inc. September, 1997.

APPENDIX A

SUMMARY OF LABORATORY RESULTS

Table B-1
Summary of Surface Soil Analytical Results

Name	NYSDEC Recommended Soil Cleanup Objective[1]	SS1 (0-0.3) 12/11/96	SS2 (0-0.3) 12/11/96	SS3 (0-0.3) 12/11/96	SS4 (0-0.3) 12/11/96	SS5 (0-0.3) 12/11/96	SS6 (0-0.3) 12/11/96	SS7 (0-0.3) 12/11/96	SS8 (0-0.3) 12/11/96	SB5 (1-2) 12/19/96
TOTAL SOLIDS (%)		81.56	69.49	71.02	85.71	83.71	82.9	82.22	65.02	75.26
Metals (mg/Kg)										
ANTIMONY	SB	3.04 U	8.19	14.6	17.2	3.21 U	3.91	NA	NA	NA
ARSENIC	7.5 /SB	2.2	50.7	1.4 U	9.8	2.2	8.9	NA	NA	NA
BERYLLIUM	0.16 /SB	0.443	0.256 U	0.251 U	0.257	0.245	0.535	NA	NA	NA
CADMIUM	1 /SB	0.58 U	1.1	0.69 U	1.3	0.58 U	1.8	NA	NA	NA
CHROMIUM	10 /SB	12.7	11.3	12.6	9.43	6.71	16.2	NA	NA	NA
COPPER	25 /SB	72.5	1680	659	325	32.2	2320	NA	NA	NA
LEAD	SB	22.9	305	70.3	193	22.4	1190	NA	NA	NA
MERCURY	0.1	0.04	0.12	0.03	0.07	0.19	0.19	NA	NA	NA
NICKEL	13 /SB	20.7	10.6	8.09	15.4	10.4	26.9	NA	NA	NA
SELENIUM	2 /SB	0.58 U	2.1	0.69 U	0.56 U	0.58 U	0.57 U	NA	NA	NA
SILVER	SB	0.652 U	0.768 U	0.753 U	0.706 U	0.689 U	0.723 U	NA	NA	NA
THALLIUM	SB	1.2 U	1.3 U	1.4 U	1.1 U	1.2 U	1.1 U	NA	NA	NA
ZINC	20 /SB	112	586	122	266	52.5	1260	NA	NA	NA
PCBs (mg/Kg)										
PCB 1016	1 (Sum of all PCBs)	NA	NA	NA	NA	NA	NA	0.2 U	1.5 U	0.1 U
PCB 1221		NA	NA	NA	NA	NA	NA	0.2 U	1.5 U	0.1 U
PCB 1232		NA	NA	NA	NA	NA	NA	0.2 U	1.5 U	0.1 U
PCB 1242		NA	NA	NA	NA	NA	NA	0.2 U	1.5 U	0.1 U
PCB 1248		NA	NA	NA	NA	NA	NA	0.2 U	1.5 U	0.1 U
PCB 1254		NA	NA	NA	NA	NA	NA	0.2 U	1.5 U	0.1 U
PCB 1260		NA	NA	NA	NA	NA	NA	1.3	7.8	0.1 U

Notes:
NA = Not analyzed/Not available
U = The material was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
B = For organic data, the analyte is present in the associated method blank as well as in the sample.
MDL = Method Detection Limit
NL = Not listed
SB = Site Background
[1] NYSDEC Division of Hazardous Waste Remediation TAGM 4046

Table B-2
Summary of Subsurface Soil Analytical Results

Name	NYSDEC Recommended Soil Cleanup Objective[1]	MW14 (0-0.3) 12/11/96	MW15 (1-1.3) 12/11/96	MW16 (1-1.3) 12/12/96	MW17 (0-0.3) 12/10/96	SB1 (10-12) 12/18/96	SB2 (16-18) 12/18/96	SB3 (2-4) 12/19/96	SB4 (1-3) 12/19/96
TOTAL SOLIDS (%)		79.68	84.92	77.72	87.62	72.72	81.99	71.51	77.21
MOISTURE (%)		NA	NA	NA	NA	27.28	18.01	28.49	27.79
T. ORGANIC CARBON (mg/Kg)		NA	NA	NA	NA	NA	NA	NA	NA
Metals (mg/Kg)									
ANTIMONY	SB	7.49	77.7	3.83 U	13.6	3.25 U	3.32 U	3.88 U	16
ARSENIC	7.5 /SB	6.9	72.6	3.2	7	3	4.5	1.7	8.3
BERYLLIUM	0.16 /SB	0.494	0.306	0.844	0.273	0.8	0.425	0.847	0.532
CADMIUM	1 /SB	0.59 U	0.58 U	0.66 U	1.3	0.58 U	0.53 U	0.68 U	0.65 U
CHROMIUM	10 /SB	7.94	46.4	20.6	18.1	19.1	12.4	18.6	13.2
COPPER	25 /SB	491	291	42.6	272	66.7	27.9	771	842
LEAD	SB	106	236	81.5	138	19	3.4	22	27.7
MERCURY	0.1	0.08	0.1	0.06	0.14	0.04	0.018	0.06	0.17
NICKEL	13 /SB	10.8	9.14	30.9	12.5	30	21.7	25	16
SELENIUM	2 /SB	0.59 U	1.5	0.66 U	0.58 U	0.58 U	0.53 U	0.68 U	0.65 U
SILVER	SB	0.714 U	0.681 U	0.821 U	0.588 U	0.696 U	0.833	0.832 U	0.783 U
THALLIUM	SB	1.2 U	1.2 U	1.3 U	1.2 U	1.2 U	1.1 U	1.4 U	1.3 U
ZINC	20 /SB	105	44.5	67.9	171	79.6	44.6	59.7	41.7
PAHs (mg/Kg)									
NAPHTHALENE	13	1.5	0.62	0.32 U	1.3 J	1.1	0.22 J	0.33 U	0.31 U
ACENAPHTHYLENE	41	1.6	0.59 U	0.32 U	0.98 J	0.32 U	0.29 U	0.33 U	0.31 U
ACENAPHTHENE	50	0.35 J	0.59 U	0.32 U	1.4 U	1.1	0.59	0.33 U	0.31 U
FLUORENE	50	0.65 J	0.12 J	0.32 U	1.4 U	1.1	0.57	0.33 U	0.31 U
PHENANTHRENE	50	9	1.3	0.32 U	3.7	2.2	0.96	0.33 U	0.31 U
ANTHRACENE	50	1.5 J	0.59 U	0.32 U	0.68 J	0.11 J	0.29 U	0.33 U	0.31 U
FLUORANTHENE	50	14	0.48 J	0.32 U	6	0.07 J	0.29 U	0.33 U	0.31 U
PYRENE	50	24	0.51 J	0.32 U	7.9	0.36	0.16 J	0.33 U	0.31 U
BENZ(A)ANTHRACENE	0.224 MDL	10	0.29 J	0.32 U	4.9	0.32 U	0.29 U	0.33 U	0.31 U
CHRYSENE	0.4	9.8	0.47 J	0.32 U	5	0.32 U	0.29 U	0.33 U	0.31 U
BENZO(B)FLUORANTHENE	1.1	11 **	0.32 J	0.32 U	6	0.32 U	0.29 U	0.33 U	0.31 U
BENZO(K)FLUORANTHENE	1.1	3.3 **	0.13 J	0.32 U	2.2	0.32 U	0.29 U	0.33 U	0.31 U
BENZO(A)PYRENE	0.061 MDL	8.3 **	0.26 J	0.32 U	4.6	0.32 U	0.29 U	0.33 U	0.31 U
INDENO(1,2,3-CD)PYRENE	3.2	3.4 **	0.59 U	0.32 U	2.2	0.32 U	0.29 U	0.33 U	0.31 U
DIBENZO(A,H)ANTHRACENE	0.014 MDL	1.5 **J	0.59 U	0.32 U	0.87 J	0.32 U	0.29 U	0.33 U	0.31 U
BENZO(GHI)PERYLENE	50	3.8 **	0.59 U	0.32 U	2.3	0.32 U	0.29 U	0.33 U	0.31 U
VOCs (mg/Kg)									
CHLOROMETHANE	NL	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
VINYL CHLORIDE	0.2	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
CHLOROETHANE	1.9	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
BROMOMETHANE	NL	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
1,1-DICHLOROETHENE	0.4	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.021	0.0108 U
ACETONE	0.2	0.031 U	0.029 U	0.084	0.047 U	0.094	3.811 U	0.056 U	0.054 U
CARBON DISULFIDE	2.7	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.031	0.0108 U
METHYLENE CHLORIDE	0.1	0.007	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.019
TRANS-1,2-DICHLOROETHENE	0.3	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
1,1-DICHLOROETHANE	0.2	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
CIS-1,2-DICHLOROETHENE	NL	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
2-BUTANONE (MEK)	0.3	0.031 U	0.029 U	0.032 U	0.047 U	0.053 U	3.811 U	0.056 U	0.054 U
CHLOROFORM	0.3	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
1,1,1-TRICHLOROETHANE	0.8	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
CARBON TETRACHLORIDE	0.6	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
BENZENE	0.06	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.019	0.0108 U
1,2-DICHLOROETHANE	0.1	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
TRICHLOROETHENE	0.7	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.019	0.0108 U
1,2-DICHLOROPROPANE	0.3	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
BROMODICHLOROMETHANE	NL	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
CIS-1,3-DICHLOROPROPENE	0.3	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
4-METHYL-2-PENTANONE (MIBK)	1	0.012 U	0.012 U	0.013 U	0.019 U	0.021 U	1.52 U	0.022 U	0.022 U
TOLUENE	1.5	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.022	0.0108 U
TRANS-1,3-DICHLOROPROPENE	NL	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
1,1,2-TRICHLOROETHANE	NL	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
TETRACHLOROETHENE	1.4	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
2-HEXANONE	NL	0.012 U	0.012 U	0.012 U	0.019 U	0.021 U	1.52 U	0.022 U	0.022 U
DIBROMOCHLOROMETHANE	NA	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
CHLOROBENZENE	1.7	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.013	0.0108 U
ETHYLBENZENE	5.5	0.0062 U	0.006 U	0.006 U	0.0093 U	0.11	0.762 U	0.011 U	0.0108 U
P-XYLENE/M-XYLENE	1.2 *	0.0062 U	0.006 U	0.006 U	0.0093 U	0.16	0.762 U	0.011 U	0.0108 U
O-XYLENE	1.2	0.0062 U	0.006 U	0.006 U	0.0093 U	0.026	0.762 U	0.011 U	0.0108 U
STYRENE	NL	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
BROMOFORM	NL	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
1,1,2,2-TETRACHLOROETHANE	0.6	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
PCBs (mg/Kg)									
PCB 1016	10	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1221	(Sum of	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1232	all PCBs)	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1242		NA	NA	NA	NA	NA	NA	NA	NA
PCB 1248		NA	NA	NA	NA	NA	NA	NA	NA
PCB 1254		NA	NA	NA	NA	NA	NA	NA	NA
PCB 1260		NA	NA	NA	NA	NA	NA	NA	NA

Notes:

NA = Not analyzed/Not available

U = The material was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.

J = The associated numerical value is an estimated quantity.

B = For organic data, the analyte is present in the associated method blank as well as in the sample.

** = Results Are Possible Biased High Due To Chromatographic Interference

MDL = Method Detection Limit

* = Each isomer

NL = Not listed

SB = Site Background

[1] NYSDEC Division of Hazardous Waste Remediation TAGM 4046

Table B-2 (cont.)
Summary of Subsurface Soil Analytical Results

Name	NYSDEC Recommended Soil Cleanup Objective[1]	SB5 (2-4) 12/19/96	SB6 (4-6) 12/19/96	SB7 (1.0-2.0) 12/17/96	SB8 (8-10) 12/18/96	SB9 (6-8) 12/19/96	SB10 (2-4) 12/17/96	SB11 (0.5-1) 12/17/96	SB12 (9-11) 12/14/96
TOTAL SOLIDS (%)		73.64	71.7	83.59	71.34	66.17	69.14	78.78	73.04
MOISTURE (%)		26.36	28.3	16.41	28.66	33.83	30.86	21.22	26.96
T. ORGANIC CARBON (mg/Kg)		NA	NA	NA	NA	NA	NA	NA	NA
Metals (mg/Kg)									
ANTIMONY	SB	3.98 U	3.44 U	3.34 U	3.81 U	4.33 U	3.82 U	3.27 U	3.77 U
ARSENIC	7.5 /SB	25	4.3	5.4	6.8	4.7	4.4	7.4	4.6
BERYLLIUM	0.16 /SB	0.718	0.687	0.808	0.972	0.615	1.02	0.773	0.481
CADMIUM	1 /SB	0.59 U	0.6 U	0.54 U	0.72 U	0.8	0.77 U	1.6	3.8
CHROMIUM	10 /SB	19.1	18.9	17	24.4	26.5	23.2	20	7.36
COPPER	25 /SB	36.3	1650	1810	39.3	481	43.1	109	1460
LEAD	SB	17.9	33.3	57.9	15.8	16.1	14.7	44.3	198
MERCURY	0.1	0.046	0.072	0.079	0.066	0.062	0.071	0.068	0.062
NICKEL	13 /SB	33.4	28	25	36.3	32.3	46.4	30	10.2
SELENIUM	2 /SB	0.59 U	0.6 U	0.54 U	0.72 U	0.8 U	0.77 U	0.61 U	0.74 U
SILVER	SB	0.854 U	0.737 U	0.716 U	0.817 U	0.927 U	0.818 U	0.701 U	0.808 U
THALLIUM	SB	1.2 U	1.2 U	1.1 U	1.4 U	1.6 U	1.5 U	1.2 U	1.5 U
ZINC	20 /SB	71.8	79.3	125	82.3	78.7	85.2	136	440
PAHs (mg/Kg)									
NAPHTHALENE	13	0.33 U	0.31 U	2.3	0.35 U	0.34 U	0.36 U	0.31 U	0.16 J
ACENAPHTHYLENE	41	0.33 U	0.31 U	0.29 U	0.35 U	0.34 U	0.36 U	0.31 U	0.63 U
ACENAPHTHENE	50	0.33 U	0.31 U	0.13 J	0.07 J	0.34 U	0.36 U	0.31 U	0.63 U
FLUORENE	50	0.33 U	0.31 U	0.13 J	0.15 J	0.34 U	0.36 U	0.31 U	0.12 J
PHENANTHRENE	50	0.33 U	0.31 U	1.7	0.35 U	0.34 U	0.36 U	0.31	1.3
ANTHRACENE	50	0.33 U	0.31 U	0.18 J	0.35 U	0.34 U	0.36 U	0.31 U	0.25 J
FLUORANTHENE	50	0.33 U	0.31 U	0.82	0.35 U	0.34 U	0.36 U	0.2 J	1.3
PYRENE	50	0.33 U	0.31 U	0.88	0.25 J	0.34 U	0.36 U	0.2 J	1.1
BENZ(A)ANTHRACENE	0.224 MDL	0.33 U	0.31 U	0.55	0.35 U	0.34 U	0.36 U	0.12 J	0.63
CHRYSENE	0.4	0.33 U	0.31 U	0.68	0.35 U	0.34 U	0.36 U	0.13 J	0.66
BENZO(B)FLUORANTHENE	1.1	0.33 U	0.31 U	0.53	0.35 U	0.34 U	0.36 U	0.14 J	0.68
BENZO(K)FLUORANTHENE	1.1	0.33 U	0.31 U	0.18 J	0.35 U	0.34 U	0.36 U	0.31 U	0.29 J
BENZO(A)PYRENE	0.061 MDL	0.33 U	0.31 U	0.4	0.35 U	0.34 U	0.36 U	0.11 J	0.53 J
INDENO(1,2,3-CD)PYRENE	3.2	0.33 U	0.31 U	0.23 J	0.35 U	0.34 U	0.36 U	0.31 U	0.25 J
DIBENZO(A,H)ANTHRACENE	0.014 MDL	0.33 U	0.31 U	0.11 J	0.35 U	0.34 U	0.36 U	0.31 U	0.63 U
BENZO(GHI)PERYLENE	50	0.33 U	0.31 U	0.33	0.35 U	0.34 U	0.36 U	0.31 U	0.25 J
VOCs (mg/Kg)									
CHLOROMETHANE	NL	0.011 U	0.011 U	0.0056 U	0.0107 U	0.012 U	0.012 U	0.0063 U	0.0085 U
VINYL CHLORIDE	0.2	0.011 U	0.011 U	0.0056 U	0.0107 U	0.012 U	0.012 U	0.0063 U	0.0085 U
CHLOROETHANE	1.9	0.011 U	0.011 U	0.0056 U	0.0107 U	0.012 U	0.012 U	0.0063 U	0.0085 U
BROMOMETHANE	NL	0.011 U	0.011 U	0.0056 U	0.0107 U	0.012 U	0.012 U	0.0063 U	0.0085 U
1,1-DICHLOROETHENE	0.4	0.011 U	0.011 U	0.0056 U	0.0107 U	0.012 U	0.012 U	0.0063 U	0.0085 U
ACETONE	0.2	0.056 U	0.056 U	0.028 U	0.054 U	0.06 U	0.058 U	0.28	0.09 B
CARBON DISULFIDE	2.7	0.011 U	0.011 U	0.0056 U	0.0107 U	0.012 U	0.026	0.06	0.0085 U
METHYLENE CHLORIDE	0.1	0.011 U	0.011 U	0.009	0.0107 U	0.014	0.02 B	0.013	0.02 B
TRANS-1,2-DICHLOROETHENE	0.3	0.011 U	0.011 U	0.0056 U	0.0107 U	0.012 U	0.012 U	0.0063 U	0.0085 U
1,1-DICHLOROETHANE	0.2	0.011 U	0.011 U	0.0056 U	0.0107 U	0.012 U	0.012 U	0.0063 U	0.0085 U
CIS-1,2-DICHLOROETHENE	NL	0.011 U	0.011 U	0.0056 U	0.0107 U	0.012 U	0.012 U	0.0063 U	0.0085 U
2-BUTANONE (MEK)	0.3	0.056 U	0.056 U	0.028 U	0.054 U	0.06 U	0.074 B	0.032 U	0.0425 U
CHLOROFORM	0.3	0.011 U	0.011 U	0.0056 U	0.0107 U	0.012 U	0.012 U	0.0063 U	0.0085 U
1,1,1-TRICHLOROETHANE	0.8	0.011 U	0.011 U	0.0056 U	0.0107 U	0.012 U	0.012 U	0.0063 U	0.0085 U
CARBON TETRACHLORIDE	0.6	0.011 U	0.011 U	0.0056 U	0.0107 U	0.012 U	0.012 U	0.0063 U	0.0085 U
BENZENE	0.06	0.011 U	0.011 U	0.0056 U	0.0107 U	0.012 U	0.012 U	0.0063 U	0.0085 U
1,2-DICHLOROETHANE	0.1	0.011 U	0.011 U	0.0056 U	0.0107 U	0.012 U	0.012 U	0.0063 U	0.0085 U
TRICHLOROETHENE	0.7	0.011 U	0.011 U	0.0056 U	0.0107 U	0.012 U	0.012 U	0.0063 U	0.0085 U
1,2-DICHLOROPROPANE	0.3	0.011 U	0.011 U	0.0056 U	0.0107 U	0.012 U	0.012 U	0.0063 U	0.0085 U
BROMODICHLOROMETHANE	NL	0.011 U	0.011 U	0.0056 U	0.0107 U	0.012 U	0.012 U	0.0063 U	0.0085 U
CIS-1,3-DICHLOROPROPENE	0.3	0.011 U	0.011 U	0.0056 U	0.0107 U	0.012 U	0.012 U	0.0063 U	0.0085 U
4-METHYL-2-PENTANONE (MIBK)	1	0.022 U	0.022 U	0.011 U	0.0107 U	0.024 U	0.023 U	0.013 U	0.017 U
TOLUENE	1.5	0.011 U	0.011 U	0.0056 U	0.0107 U	0.012 U	0.012 U	0.0063 U	0.0085 U
TRANS-1,3-DICHLOROPROPENE	NL	0.011 U	0.011 U	0.0056 U	0.0107 U	0.012 U	0.012 U	0.0063 U	0.0085 U
1,1,2-TRICHLOROETHANE	NL	0.011 U	0.011 U	0.0056 U	0.0107 U	0.012 U	0.012 U	0.0063 U	0.0085 U
TETRACHLOROETHENE	1.4	0.011 U	0.011 U	0.0056 U	0.0107 U	0.012 U	0.012 U	0.0063 U	0.0085 U
2-HEXANONE	NL	0.022 U	0.022 U	0.011 U	0.021 U	0.024 U	0.023 U	0.013 U	0.017 U
DIBROMOCHLOROMETHANE	NA	0.011 U	0.011 U	0.0056 U	0.0107 U	0.011 U	0.012 U	0.0063 U	0.0085 U
CHLOROBENZENE	1.7	0.011 U	0.011 U	0.0056 U	0.0107 U	0.012 U	0.012 U	0.0063 U	0.0085 U
ETHYLBENZENE	5.5	0.011 U	0.011 U	0.0056 U	0.0107 U	0.012 U	0.012 U	0.0063 U	0.0085 U
P-XYLENE/M-XYLENE	1.2 *	0.011 U	0.011 U	0.0056 U	0.0107 U	0.012 U	0.012 U	0.0063 U	0.0085 U
O-XYLENE	1.2	0.011 U	0.011 U	0.0056 U	0.0107 U	0.012 U	0.012 U	0.0063 U	0.0085 U
STYRENE	NL	0.011 U	0.011 U	0.0056 U	0.0107 U	0.012 U	0.012 U	0.0063 U	0.0085 U
BROMOFORM	NL	0.011 U	0.011 U	0.0056 U	0.0107 U	0.012 U	0.012 U	0.0063 U	0.0085 U
1,1,2,2-TETRACHLOROETHANE	0.6	0.011 U	0.011 U	0.0056 U	0.0107 U	0.012 U	0.012 U	0.0063 U	0.0085 U
PCBs (mg/Kg)									
PCB 1016	10	NA	NA	NA	NA	NA	NA	NA	0.1 U
PCB 1221	(Sum of	NA	NA	NA	NA	NA	NA	NA	0.1 U
PCB 1232	all PCBs)	NA	NA	NA	NA	NA	NA	NA	0.1 U
PCB 1242		NA	NA	NA	NA	NA	NA	NA	0.1 U
PCB 1248		NA	NA	NA	NA	NA	NA	NA	0.1 U
PCB 1254		NA	NA	NA	NA	NA	NA	NA	0.1 U
PCB 1260		NA	NA	NA	NA	NA	NA	NA	0.68

Notes:

NA = Not analyzed/Not available

U = The material was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.

J = The associated numerical value is an estimated quantity.

B = For organic data, the analyte is present in the associated method blank as well as in the sample.

** = Results Are Possible Biased High Due To Chromatographic Interference

MDL = Method Detection Limit

* = Each isomer

NL = Not listed

SB = Site Background

[1] NYSDEC Division of Hazardous Waste Remediation TAGM 4046

Table B-2 (cont.)
Summary of Subsurface Soil Analytical Results

Name	NYSDEC Recommended Soil Cleanup Objective*	SB13 (3-5) 12/14/96	SB14 (3-4) 12/17/96	SB15 (3-5) 12/14/96	SB16 (8-10) 12/14/96	SB17 (3-5) 12/14/96	SB18 (8-10) 12/14/96	SB19 (4-6) 12/18/96	SB20 (1.0-2.0) 12/17/96
TOTAL SOLIDS (%)		90.26	76.07	85.6	77.69	81.47	81.79	69.32	84.2
MOISTURE (%)		9.74	23.93	14.4	22.31	18.53	18.21	30.68	15.8
T. ORGANIC CARBON (mg/Kg)		0.65	NA	NA	NA	NA	NA	NA	NA
Metals (mg/Kg)									
ANTIMONY	SB	6.5 U	3.56 U	3.23 U	3.49 U	3.18 U	6.9 U	3.82 U	3.17 U
ARSENIC	7.5 /SB	4.7	5.1	14.1	7.4	5.9	6.9	2.7	3.4
BERYLLIUM	0.16 /SB	0.317	0.717	0.237	0.428	0.401	0.413	1.05	0.382
CADMIUM	1 /SB	73.4	2.7	21.6	8.13	8.13	55.9	1.4	0.59 U
CHROMIUM	10 /SB	7.56	18.2	6.04	7.39	20.2	16.6	24.1	12.7
COPPER	25 /SB	42900	1370	6990	1590	9270	17300	378	736
LEAD	SB	409	121	96.1	74.5	267	163	25.3	40.9
MERCURY	0.1	0.01 U	0.059	0.67	0.1	0.092	0.039	0.062	0.052
NICKEL	13 /SB	13.8	28.2	9.34	10.3	60	15.5	31.3	15.6
SELENIUM	2 /SB	1.1	0.65 U	0.87	0.78	0.53 U	0.58 U	0.73 U	0.59 U
SILVER	SB	6.62	0.911	2.27	0.748 U	1.93	2.18	0.819 U	0.678 U
THALLIUM	SB	2.3	1.3 U	1.1 U	1.2 U	1.1 U	1.2 U	1.5 U	1.2 U
ZINC	20 /SB	37300	1080	4200	1630	2450	20200	517	89.3
PAHs (mg/Kg)									
NAPHTHALENE	13	0.25 U	0.28 U	0.12 J	0.28 U	0.28 U	1.5 U	0.35 U	0.28 U
ACENAPHTHYLENE	41	0.25 U	0.28 U	0.28 U	0.28 U	0.28 U	1.5 U	0.35 U	0.28 U
ACENAPHTHENE	50	0.25 U	0.28 U	0.28 U	0.28 U	0.28 U	0.37 J	0.35 U	0.28 U
FLUORENE	50	0.25 U	0.28 U	0.28 U	0.28 U	0.28 U	1.5 U	0.35 U	0.28 U
PHENANTHRENE	50	0.08 J	0.12 J	0.74	0.17 J	0.16 J	5.4	0.35 U	0.28 U
ANTHRACENE	50	0.25 U	0.28 U	0.28 U	0.28 U	0.28 U	0.95 J	0.35 U	0.28 U
FLUORANTHENE	50	0.07 J	0.12 J	0.28	0.28 U	0.17 J	6.6	0.35 U	0.28 U
PYRENE	50	0.25 U	0.1 J	0.29	0.28 U	0.17 J	7.5	0.35 U	0.28 U
BENZ(A)ANTHRACENE	0.224 MDL	0.25 U	0.28 U	0.16 J	0.28 U	0.1 J	3.2	0.35 U	0.28 U
CHRYSENE	0.4	0.25 U	0.28 U	0.4	0.28 U	0.15 J	3.1	0.35 U	0.28 U
BENZO(B)FLUORANTHENE	1.1	0.25 U	0.28 U	0.26 J	0.28 U	0.11 J	3.7	0.35 U	0.28 U
BENZO(K)FLUORANTHENE	1.1	0.25 U	0.28 U	0.06 J	0.28 U	0.28 U	0.9 J	0.35 U	0.28 U
BENZO(A)PYRENE	0.061 MDL	0.25 U	0.28 U	0.16 J	0.28 U	0.07 J	2.7	0.35 U	0.28 U
INDENO(1,2,3-CD)PYRENE	3.2	0.25 U	0.28 U	0.08 J	0.28 U	0.28 U	1.3 J	0.35 U	0.28 U
DIBENZO(A,H)ANTHRACENE	0.014 MDL	0.25 U	0.28 U	0.28 U	0.28 U	0.28 U	1.5 U	0.35 U	0.28 U
BENZO(GHI)PERYLENE	50	0.25 U	0.28 U	0.13 J	0.28 U	0.28 U	1.5 J	0.35 U	0.28 U
VOCs (mg/Kg)									
CHLOROMETHANE	NL	0.0054 U	0.0092 U	0.0058 U	0.0064 U	0.006 U	0.0059 U	0.0116 U	0.0055 U
VINYL CHLORIDE	0.2	0.0054 U	0.0092 U	0.0058 U	0.0064 U	0.006 U	0.0059 U	0.0116 U	0.0055 U
CHLOROETHANE	1.9	0.0054 U	0.0092 U	0.0058 U	0.0064 U	0.006 U	0.0059 U	0.0116 U	0.0055 U
BROMOMETHANE	NL	0.0054 U	0.0092 U	0.0058 U	0.0064 U	0.006 U	0.0059 U	0.0116 U	0.0055 U
1,1-DICHLOROETHENE	0.4	0.0054 U	0.0092 U	0.0058 U	0.0064 U	0.006 U	0.0059 U	0.0116 U	0.0055 U
ACETONE	0.2	0.026 U	0.046 U	0.029 U	0.032 U	0.03 U	0.029 U	0.2	0.028 U
CARBON DISULFIDE	2.7	0.0054 U	0.0092 U	0.0058 U	0.0064 U	0.006 U	0.0059 U	0.0116 U	0.0055 U
METHYLENE CHLORIDE	0.1	0.006	0.029	0.0058 U	0.0064 U	0.006	0.0059 U	0.015	0.008
TRANS-1,2-DICHLOROETHENE	0.3	0.0054 U	0.0092 U	0.0058 U	0.0064 U	0.006 U	0.0059 U	0.0116 U	0.0055 U
1,1-DICHLOROETHANE	0.2	0.0054 U	0.0092 U	0.0058 U	0.0064 U	0.006 U	0.0059 U	0.0116 U	0.0055 U
CIS-1,2-DICHLOROETHENE	NL	0.0054 U	0.0092 U	0.0058 U	0.0064 U	0.006 U	0.0059 U	0.0116 U	0.0055 U
2-BUTANONE (MEK)	0.3	0.026 U	0.046 U	0.029 U	0.032 U	0.03 U	0.029 U	0.058 U	0.028 U
CHLOROFORM	0.3	0.018	0.0092 U	0.0058 U	0.0064 U	0.006 U	0.0059 U	0.0116 U	0.0055 U
1,1,1-TRICHLOROETHANE	0.8	0.0054 U	0.0092 U	0.0058 U	0.0064 U	0.006 U	0.0059 U	0.0116 U	0.0055 U
CARBON TETRACHLORIDE	0.6	0.0054 U	0.0092 U	0.0058 U	0.0064 U	0.006 U	0.0059 U	0.0116 U	0.0055 U
BENZENE	0.06	0.0054 U	0.0092 U	0.0058 U	0.0064 U	0.006 U	0.0059 U	0.0116 U	0.0055 U
1,2-DICHLOROETHANE	0.1	0.0054 U	0.0092 U	0.0058 U	0.0064 U	0.006 U	0.0059 U	0.0116 U	0.0055 U
TRICHLOROETHENE	0.7	0.0054 U	0.0092 U	0.0058 U	0.0064 U	0.006 U	0.0059 U	0.0116 U	0.0055 U
1,2-DICHLOROPROPANE	0.3	0.0054 U	0.0092 U	0.0058 U	0.0064 U	0.006 U	0.0059 U	0.0116 U	0.0055 U
BROMODICHLOROMETHANE	NL	0.0054 U	0.0092 U	0.0058 U	0.0064 U	0.006 U	0.0059 U	0.0116 U	0.0055 U
CIS-1,3-DICHLOROPROPENE	0.3	0.0054 U	0.0092 U	0.0058 U	0.0064 U	0.006 U	0.0059 U	0.0116 U	0.0055 U
4-METHYL-2-PENTANONE (MIBK)	1	0.01 U	0.018 U	0.012 U	0.013 U	0.012 U	0.012 U	0.023 U	0.011 U
TOLUENE	1.5	0.0054 U	0.0092 U	0.0058 U	0.0064 U	0.006 U	0.0059 U	0.0116 U	0.0055 U
TRANS-1,3-DICHLOROPROPENE	NL	0.0054 U	0.0092 U	0.0058 U	0.0064 U	0.006 U	0.0059 U	0.0116 U	0.0055 U
1,1,2-TRICHLOROETHANE	NL	0.0054 U	0.0092 U	0.0058 U	0.0064 U	0.006 U	0.0059 U	0.0116 U	0.0055 U
TETRACHLOROETHENE	1.4	0.0054 U	0.0092 U	0.0058 U	0.0064 U	0.006 U	0.0059 U	0.0116 U	0.0055 U
2-HEXANONE	NL	0.01 U	0.018 U	0.012 U	0.013 U	0.012 U	0.012 U	0.023 U	0.011 U
DIBROMOCHLOROMETHANE	NA	0.0054 U	0.0092 U	0.0058 U	0.0064 U	0.006 U	0.0059 U	0.0116 U	0.0055 U
CHLOROBENZENE	1.7	0.0054 U	0.0092 U	0.0058 U	0.0064 U	0.006 U	0.0059 U	0.0116 U	0.0055 U
ETHYLBENZENE	5.5	0.0054 U	0.0092 U	0.0058 U	0.0064 U	0.006 U	0.0059 U	0.0116 U	0.0055 U
P-XYLENE/M-XYLENE	1.2 *	0.0054 U	0.0092 U	0.0058 U	0.0064 U	0.006 U	0.0059 U	0.0116 U	0.0055 U
O-XYLENE	1.2	0.0054 U	0.0092 U	0.0058 U	0.0064 U	0.006 U	0.0059 U	0.0116 U	0.0055 U
STYRENE	NL	0.0054 U	0.0092 U	0.0058 U	0.0064 U	0.006 U	0.0059 U	0.0116 U	0.0055 U
BROMOFORM	NL	0.0054 U	0.0092 U	0.0058 U	0.0064 U	0.006 U	0.0059 U	0.0116 U	0.0055 U
1,1,2,2-TETRACHLOROETHANE	0.6	0.0054 U	0.0092 U	0.0058 U	0.0064 U	0.006 U	0.0059 U	0.0116 U	0.0055 U
PCBs (mg/Kg)									
PCB 1016	10	0.1 U	NA	NA	NA	NA	NA	NA	NA
PCB 1221	(Sum of	0.1 U	NA	NA	NA	NA	NA	NA	NA
PCB 1232	all PCBs)	0.1 U	NA	NA	NA	NA	NA	NA	NA
PCB 1242		0.1 U	NA	NA	NA	NA	NA	NA	NA
PCB 1248		0.1 U	NA	NA	NA	NA	NA	NA	NA
PCB 1254		0.1 U	NA	NA	NA	NA	NA	NA	NA
PCB 1260		0.1 U	NA	NA	NA	NA	NA	NA	NA

Notes:

NA = Not analyzed/Not available

U = The material was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.

J = The associated numerical value is an estimated quantity.

B = For organic data, the analyte is present in the associated method blank as well as in the sample.

** = Results Are Possible Biased High Due To Chromatographic Interference

MDL = Method Detection Limit

* = Each isomer

NL = Not listed

SB = Site Background

* NYSDEC Division of Hazardous Waste Remediation TAGM 4046

Table B-3
Summary of Groundwater Analytical Results

Name	Groundwater Standard / Guidance Value	MW6D 12/20/96	MW6D (1-15-97) 1/15/97	MW6S 12/20/96	MW6S (1-15-97) 1/15/97	MW13D 12/20/96	MW13S 12/20/96	MW14 12/20/96	MW15 12/20/96	MW16 12/20/96	MW17 12/20/96
Total Metals (mg/L)											
ANTIMONY	0.003 g	0.028 U	NA	0.028 U	NA	0.028 U	0.029	0.029	0.065	0.035	0.028 U
ARSENIC	0.025 s	0.002 U	NA	0.008	NA	0.002 U	0.002 U	0.04	0.002 U	0.004	0.002
BERYLLIUM	0.003 g	0.002 U	NA	0.002 U	NA	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
CADMIUM	0.01 s	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
CHROMIUM	0.05 s	0.01 U	NA	0.039	NA	0.01 U	0.01 U	0.078	0.01 U	0.016	0.01 U
COPPER	0.2 s	0.028	NA	0.164	NA	0.017 U	0.017 U	0.125	0.02	0.055	0.019
LEAD	0.025 s	0.003	NA	0.007	NA	0.004	0.003	0.019	0.001	0.009	0.004
MERCURY	0.002 s	0.0002 U	NA	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
NICKEL	NA	0.012 U	NA	0.057	NA	0.012 U	0.012 U	0.074	0.012 U	0.022	0.012 U
SELENIUM	0.01 s	0.002 U	NA	0.002 U	NA	0.002 U	0.002 U	0.002 U	0.002 U	0.005	0.002 U
SILVER	0.05 s	0.006 U	NA	0.006 U	NA	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U
THALLIUM	0.004 g	0.01 U	NA	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
ZINC	0.3 s	0.05 U	NA	0.236	NA	0.05 U	0.05 U	0.173	0.05 U	0.097	0.05 U
Dissolved Metals (mg/L)											
ANTIMONY	0.003 g	NA	NA	0.029	NA	NA	NA	0.028 U	NA	0.03	NA
ARSENIC	0.025 s	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	0.002 U	NA
BERYLLIUM	0.003 g	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	0.002 U	NA
CADMIUM	0.01 s	NA	NA	0.005 U	NA	NA	NA	0.005 U	NA	0.005 U	NA
CHROMIUM	0.05 s	NA	NA	0.01 U	NA	NA	NA	0.01 U	NA	0.01 U	NA
COPPER	0.2 s	NA	NA	0.017 U	NA	NA	NA	0.017 U	NA	0.017 U	NA
LEAD	0.025 s	NA	NA	0.004	NA	NA	NA	0.003	NA	0.001	NA
MERCURY	0.002 s	NA	NA	0.0002 U	NA	NA	NA	0.0002 U	NA	0.0002 U	NA
NICKEL	NA	NA	NA	0.012 U	NA	NA	NA	0.012 U	NA	0.012 U	NA
SELENIUM	0.01 s	NA	NA	0.002 U	NA	NA	NA	0.003	NA	0.005	NA
SILVER	0.05 s	NA	NA	0.006 U	NA	NA	NA	0.006 U	NA	0.006 U	NA
THALLIUM	0.004 g	NA	NA	0.01 U	NA	NA	NA	0.01 U	NA	0.01 U	NA
ZINC	0.3 s	NA	NA	0.05 U	NA	NA	NA	0.05 U	NA	0.05 U	NA
PAHs (ug/L)											
NAPHTHALENE	10 g	6 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
ACENAPHTHYLENE	20 g	6 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
ACENAPHTHENE	20 g	6 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
FLUORENE	50 g	6 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
PHENANTHRENE	50 g	6 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
ANTHRACENE	50 g	6 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
FLUORANTHENE	50 g	6 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
PYRENE	50 g	6 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
BENZ(A)ANTHRACENE	0.002 g	6 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
CHRYSENE	0.002 g	6 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
BENZO(B)FLUORANTHENE	0.002 g	6 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
BENZO(K)FLUORANTHENE	0.002 g	6 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
BENZO(A)PYRENE	0.002 MDL	6 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
INDENO(1,2,3-CD)PYRENE	0.002 g	6 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
DIBENZO(A,H)ANTHRACENE	NA	6 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
BENZO(GHI)PERYLENE	5 g	6 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
VOCs (ug/L)											
CHLOROMETHANE	NL	5 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
VINYL CHLORIDE	2 s	5 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROETHANE	5 s	5 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
BROMOMETHANE	5 s	5 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHENE	5 s	5 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
ACETONE	50 g	25 U	NA	25 U	NA	25 U	25 U	25 U	25 U	25 U	25 U
CARBON DISULFIDE	NA	5 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
METHYLENE CHLORIDE	5 s	5 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
TRANS-1,2-DICHLOROETHENE	5 s	160	NA	180	NA	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	5 g	5 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
CIS-1,2-DICHLOROETHENE	5 s	720 E	740	510 E	480	5 U	26	5 U	5 U	5 U	5 U
2-BUTANONE (MEK)	NA	25 U	NA	25 U	NA	25 U	25 U	25 U	25 U	25 U	25 U
CHLOROFORM	7 s	5 U	NA	5 U	NA	5 U	5	5 U	5 U	5 U	14
1,1,1-TRICHLOROETHANE	5 s	5 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
CARBON TETRACHLORIDE	5 g	5 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
BENZENE	0.7 s	5 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROETHANE	5 s	5 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
TRICHLOROETHENE	5 s	130	NA	130	NA	5 U	5 U	11	5 U	5 U	5 U
1,2-DICHLOROPROPANE	5 s	5 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
BROMODICHLOROMETHANE	50 g	5 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
CIS-1,3-DICHLOROPROPENE	5 s	5 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
4-METHYL-2-PENTANONE (MIBK)	NA	10 U	NA	10 U	NA	10 U	10 U	10 U	10 U	10 U	10 U
TOLUENE	5 s	5 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
TRANS-1,3-DICHLOROPROPENE	5 s	5 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-TRICHLOROETHANE	5 s	5 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
TETRACHLOROETHENE	5 s	5 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
2-HEXANONE	50 g	10 U	NA	10 U	NA	10 U	10 U	10 U	10 U	10 U	10 U
DIBROMOCHLOROMETHANE	50 g	5 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROBENZENE	5 s	5 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
ETHYLBENZENE	5 s	5 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
P-XYLENE/M-XYLENE	5 s*	5 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
O-XYLENE	5 s	5 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
STYRENE	5 s	5 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
BROMOFORM	50 g	5 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	5 s	5 U	NA	5 U	NA	5 U	5 U	5 U	5 U	5 U	5 U
PCBs (ug/L)											
PCB 1016	0.1 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1221	(Sum of	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1232	all PCBs)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1242		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1248		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1254		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1260		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
NA = Not analyzed/Not available

U = The material was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.

J = The associated numerical value is an estimated quantity.
MDL = Method Detection Limit
s = Standard
g = Guidance
* = Each isomer
NL = Not listed

Table B-3 (cont.)
Summary of Groundwater Analytical Results

Name	Groundwater Standard / Guidance Value	SB-1 12/18/96	SB-2 12/18/96	SB3 12/19/96	SB4 12/19/96	SB5 12/19/96	SB6 12/19/96	SB7 12/17/96	SB-8 12/18/96	SB9 12/19/96	SB10 12/17/96
Total Metals (mg/L)											
ANTIMONY	0.003 g	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.025 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	0.003 g	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	0.01 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	0.05 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	0.2 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	0.025 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.002 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	0.01 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	0.05 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.004 g	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	0.3 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (mg/L)											
ANTIMONY	0.003 g	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.025 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	0.003 g	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	0.01 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	0.05 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	0.2 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	0.025 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.002 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	0.01 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	0.05 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.004 g	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	0.3 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAHs (ug/L)											
NAPHTHALENE	10 g	1400	95 U	5 U	6 U	5 U	6 U	6 U	6 U	5 U	7 U
ACENAPHTHYLENE	20 g	290 U	95 U	5 U	6 U	5 U	6 U	6 U	6 U	5 U	7 U
ACENAPHTHENE	20 g	280 J	340	5 U	6 U	5 U	6 U	6 U	6 U	5 U	7 U
FLUORENE	50 g	270 J	390	5 U	6 U	5 U	6 U	6 U	6 U	5 U	7 U
PHENANTHRENE	50 g	520	780	5 U	6 U	5 U	6 U	6 U	6 U	5 U	7 U
ANTHRACENE	50 g	290 U	95 U	5 U	6 U	5 U	6 U	6 U	6 U	5 U	7 U
FLUORANTHENE	50 g	290 U	95 U	5 U	6 U	5 U	6 U	6 U	6 U	5 U	7 U
PYRENE	50 g	99 J	140	5 U	6 U	5 U	6 U	6 U	6 U	5 U	7 U
BENZ(A)ANTHRACENE	0.002 g	290 U	95 U	5 U	6 U	5 U	6 U	6 U	6 U	5 U	7 U
CHRYSENE	0.002 g	290 U	95 U	5 U	6 U	5 U	6 U	6 U	6 U	5 U	7 U
BENZO(B)FLUORANTHENE	0.002 g	290 U	95 U	5 U	6 U	5 U	6 U	6 U	6 U	5 U	7 U
BENZO(K)FLUORANTHENE	0.002 g	290 U	95 U	5 U	6 U	5 U	6 U	6 U	6 U	5 U	7 U
BENZO(A)PYRENE	0.002 MDL	290 U	95 U	5 U	6 U	5 U	6 U	6 U	6 U	5 U	7 U
INDENO(1,2,3-CD)PYRENE	0.002 g	290 U	95 U	5 U	6 U	5 U	6 U	6 U	6 U	5 U	7 U
DIBENZO(A,H)ANTHRACENE	NA	290 U	95 U	5 U	6 U	5 U	6 U	6 U	6 U	5 U	7 U
BENZO(GHI)PERYLENE	5 g	290 U	95 U	5 U	6 U	5 U	6 U	6 U	6 U	5 U	7 U
VOCs (ug/L)											
CHLOROMETHANE	NL	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VINYL CHLORIDE	2 s	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROETHANE	5 s	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
BROMOMETHANE	5 s	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHENE	5 s	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
ACETONE	50 g	120 U	120 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
CARBON DISULFIDE	NA	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
METHYLENE CHLORIDE	5 s	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
TRANS-1,2-DICHLOROETHENE	5 s	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	5 g	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
CIS-1,2-DICHLOROETHENE	5 s	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-BUTANONE (MEK)	NA	120 U	120 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
CHLOROFORM	7 s	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1-TRICHLOROETHANE	5 s	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	6	5 U
CARBON TETRACHLORIDE	5 g	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
BENZENE	0.7 s	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROETHANE	5 s	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
TRICHLOROETHENE	5 s	25 U	25 U	5 U	5 U	5 U	7	5 U	5 U	5 U	5 U
1,2-DICHLOROPROPANE	5 s	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
BROMODICHLOROMETHANE	50 g	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
CIS-1,3-DICHLOROPROPENE	5 s	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-METHYL-2-PENTANONE (MIBK)	NA	50 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
TOLUENE	5 s	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
TRANS-1,3-DICHLOROPROPENE	5 s	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-TRICHLOROETHANE	5 s	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
TETRACHLOROETHENE	5 s	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-HEXANONE	50 g	50 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
DIBROMOCHLOROMETHANE	50 g	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROBENZENE	5 s	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
ETHYLBENZENE	5 s	60	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
P-XYLENE/M-XYLENE	5 s*	56	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
O-XYLENE	5 s	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
STYRENE	5 s	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
BROMOFORM	50 g	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	5 s	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
PCBs (ug/L)											
PCB 1016	0.1 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1221	(Sum of	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1232	all PCBs)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1242		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1248		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1254		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1260		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
NA = Not analyzed/Not available
U = The material was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
MDL = Method Detection Limit
s = Standard
g = Guidance
* = Each isomer
NL = Not listed

Table B-3 (cont.)
Summary of Groundwater Analytical Results

Name	Groundwater Standard / Guidance Value	SB11 12/17/96	SB12 12/14/96	SB13 12/14/96	SB14 12/18/96	SB15 12/14/96	SB16 12/14/96	SB17 12/14/96	SB18 12/14/96	SB-19 12/18/96	SB20 12/18/96
Total Metals (mg/L)											
ANTIMONY	0.003 g	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.025 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	0.003 g	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	0.01 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	0.05 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	0.2 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	0.025 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.002 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	0.01 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	0.05 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.004 g	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	0.3 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (mg/L)											
ANTIMONY	0.003 g	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.025 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	0.003 g	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	0.01 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	0.05 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	0.2 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	0.025 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.002 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	0.01 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	0.05 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.004 g	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	0.3 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAHs (µg/L)											
NAPHTHALENE	10 g	8 U	6 U	5 U	5 U	6 U	6 U	5 U	4.2 J	6 U	6 U
ACENAPHTHYLENE	20 g	8 U	6 U	5 U	5 U	6 U	6 U	5 U	5 U	6 U	6 U
ACENAPHTHENE	20 g	8 U	6 U	1.3 J	5 U	6 U	6 U	5 U	5 U	6 U	6 U
FLUORENE	50 g	8 U	6 U	1.3 J	5 U	6 U	6 U	5 U	5 U	6 U	6 U
PHENANTHRENE	50 g	8 U	6 U	14	5 U	6 U	6 U	5 U	1.8 J	6 U	6 U
ANTHRACENE	50 g	8 U	6 U	2.6 J	5 U	6 U	6 U	5 U	5 U	6 U	6 U
FLUORANTHENE	50 g	8 U	6 U	16	5 U	6 U	6 U	5 U	1.2 J	6 U	6 U
PYRENE	50 g	8 U	6 U	13	5 U	6 U	6 U	1.1 J	5 U	6 U	6 U
BENZ(A)ANTHRACENE	0.002 g	8 U	6 U	8.6	5 U	6 U	6 U	5 U	5 U	6 U	6 U
CHRYSENE	0.002 g	8 U	6 U	8.2	5 U	6 U	6 U	5 U	5 U	6 U	6 U
BENZO(B)FLUORANTHENE	0.002 g	8 U	6 U	8.8	5 U	6 U	6 U	5 U	5 U	6 U	6 U
BENZO(K)FLUORANTHENE	0.002 g	8 U	6 U	3.6 J	5 U	6 U	6 U	5 U	5 U	6 U	6 U
BENZO(A)PYRENE	0.002 MDL	8 U	6 U	7.3	5 U	6 U	6 U	5 U	5 U	6 U	6 U
INDENO(1,2,3-CD)PYRENE	0.002 g	8 U	6 U	4.1 J	5 U	6 U	6 U	5 U	5 U	6 U	6 U
DIBENZO(A,H)ANTHRACENE	NA	8 U	6 U	1.4 J	5 U	6 U	6 U	5 U	5 U	6 U	6 U
BENZO(GHI)PERYLENE	5 g	8 U	6 U	4.7 J	5 U	6 U	6 U	5 U	5 U	6 U	6 U
VOCs (µg/L)											
CHLOROMETHANE	NL	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VINYL CHLORIDE	2 s	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROETHANE	5 s	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
BROMOMETHANE	5 s	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHENE	5 s	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
ACETONE	50 g	25 U	25 U	25 U	25 U	25 U	42 B	25 U	25 U	25 U	25 U
CARBON DISULFIDE	NA	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
METHYLENE CHLORIDE	5 s	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
TRANS-1,2-DICHLOROETHENE	5 s	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	5 g	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
CIS-1,2-DICHLOROETHENE	5 s	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-BUTANONE (MEK)	NA	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
CHLOROFORM	7 s	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1-TRICHLOROETHANE	5 s	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
CARBON TETRACHLORIDE	5 g	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
BENZENE	0.7 s	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROETHANE	5 s	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
TRICHLOROETHENE	5 s	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROPROPANE	5 s	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
BROMODICHLOROMETHANE	50 g	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
CIS-1,3-DICHLOROPROPENE	5 s	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-METHYL-2-PENTANONE (MIBK)	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
TOLUENE	5 s	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
TRANS-1,3-DICHLOROPROPENE	5 s	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-TRICHLOROETHANE	5 s	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
TETRACHLOROETHENE	5 s	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-HEXANONE	50 g	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
DIBROMOCHLOROMETHANE	50 g	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROBENZENE	5 s	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
ETHYLBENZENE	5 s	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
P-XYLENE/M-XYLENE	5 s*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
O-XYLENE	5 s	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
STYRENE	5 s	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
BROMOFORM	50 g	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	5 s	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
PCBs (µg/L)											
PCB 1016	0.1 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1221	(Sum of	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1232	all PCBs)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1242		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1248		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1254		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1260		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
NA = Not analyzed/Not available
U = The material was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
MDL = Method Detection Limit
s = Standard
g = Guidance
* = Each isomer
NL = Not listed

Table B-4

Summary of Basement Air and Soil Gas Analytical Results

Name	AIR-1 12/10/96	AIR-3 12/11/96	AIR-3 (A) 12/12/96	SG1 12/19/96	SG3 12/19/96	SG4 12/19/96
	mg/m³	mg/m³	mg/m³	ppm	ppm	ppm
VOCs						
2-CHLOROETHYLVINYLETHER	0.3 U	0.3 U	0.3 U	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	0.3 U	0.3 U	0.3 U	0.22 U	0.22 U	0.22 U
METHYL ISOBUTYL KETONE (MIBK)	0.3 U	0.3 U	0.3 U	0.489 U	0.489 U	0.489 U
TOLUENE	0.3 U	0.3 U	0.3 U	0.266 U	0.266 U	0.266 U
TRANS-1,3-DICHLOROPROPENE	0.3 U	0.3 U	0.3 U	0.22 U	0.22 U	0.22 U
1,1,2-TRICHLOROETHANE	0.3 U	0.3 U	0.3 U	0.184 U	0.184 U	0.184 U
TETRACHLOROETHENE	0.3 U	0.3 U	0.3 U	0.147 U	0.147 U	0.147 U
2-HEXANONE	0.3 U	0.3 U	0.3 U	0.489 U	0.489 U	0.489 U
DIBROMOCHLOROMETHANE	0.3 U	0.3 U	0.3 U	0.116 U	0.116 U	0.116 U
1,2-DIBROMOETHANE (EDB)	0.3 U	0.3 U	0.3 U	NA	NA	NA
CHLOROBENZENE	0.3 U	0.3 U	0.3 U	0.218 U	0.218 U	0.218 U
1,1,1,2-TETRACHLOROETHANE	0.3 U	0.3 U	0.3 U			
ETHYLBENZENE	0.3 U	0.3 U	0.3 U	0.233 U	0.233 U	0.233 U
P-XYLENE/M-XYLENE	0.3 U	0.3 U	0.3 U	0.233 U	0.233 U	0.233 U
O-XYLENE	0.3 U	0.3 U	0.3 U	0.233 U	0.233 U	0.233 U
STYRENE	0.3 U	0.3 U	0.3 U	0.235 U	0.235 U	0.235 U
BROMOFORM	0.3 U	0.3 U	0.3 U	0.097 U	0.097 U	0.097 U
BROMOBENZENE	0.3 U	0.3 U	0.3 U	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	0.3 U	0.3 U	0.3 U	0.146 U	0.146 U	0.146 U
1,2,3-TRICHLOROPROPANE	0.3 U	0.3 U	0.3 U	NA	NA	NA
2-CHLOROTOLUENE	0.3 U	0.3 U	0.3 U	NA	NA	NA
4-CHLOROTOLUENE	0.3 U	0.3 U	0.3 U	NA	NA	NA
1,3-DICHLOROBENZENE	0.3 U	0.3 U	0.3 U	NA	NA	NA
1,4-DICHLOROBENZENE	0.3 U	0.3 U	0.3 U	NA	NA	NA
1,2-DICHLOROBENZENE	0.3 U	0.3 U	0.3 U	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	0.3 U	0.3 U	0.3 U	NA	NA	NA
DICHLORODIFLUOROMETHANE	0.3 U	0.3 U	0.3 U	NA	NA	NA
CHLOROMETHANE	0.3 U	0.3 U	0.3 U	0.489 U	0.489 U	0.489 U
VINYL CHLORIDE	– *	– *	– *	0.394 U	0.394 U	0.394 U
BROMOMETHANE	– *	– *	– *	0.257 U	0.257 U	0.257 U
CHLOROETHANE	0.3 U	0.3 U	0.3 U	0.382 U	0.382 U	0.382 U
TRICHLOROFLUOROMETHANE	0.3 U	0.3 U	0.3 U	NA	NA	NA
ACROLEIN	– **	– **	– **	NA	NA	NA
1,1-DICHLOROETHENE	– **	– **	– **	0.252 U	0.252 U	0.252 U
ACETONE	– **	– **	– **	2.108 U	2.108 U	2.108 U
CARBON DISULFIDE	– **	– **	– **	0.322 U	0.322 U	0.322 U
METHYLENE CHLORIDE	– **	– **	– **	0.288 U	0.288 U	0.288 U
ACRYLONITRILE	0.3 U	0.3 U	0.3 U	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	0.3 U	0.3 U	0.3 U	0.252 U	0.252 U	0.252 U
1,1-DICHLOROETHANE	0.3 U	0.3 U	0.3 U	0.247 U	0.247 U	0.247 U
CIS-1,2-DICHLOROETHENE	0.3 U	0.3 U	0.3 U	0.252 U	0.252 U	0.252 U
METHYL ETHYL KETONE	0.3 U	0.3 U	0.3 U	1.698 U	1.698 U	1.698 U
CHLOROFORM	0.3 U	0.3 U	0.3 U	0.205 U	0.205 U	0.205 U
1,1,1-TRICHLOROETHANE	0.3 U	0.3 U	0.3 U	0.184 U	0.184 U	0.184 U
CARBON TETRACHLORIDE	0.3 U	0.3 U	0.3 U	0.159 U	0.159 U	0.159 U
BENZENE	0.3 U	0.3 U	0.3 U	0.313 U	0.313 U	0.313 U
1,2-DICHLOROETHANE	0.3 U	0.3 U	0.3 U	0.247 U	0.247 U	0.247 U
TRICHLOROETHENE	0.3 U	0.3 U	0.3 U	0.187 U	0.187 U	0.187 U
1,2-DICHLOROPROPANE	0.3 U	0.3 U	0.3 U	0.216 U	0.216 U	0.216 U
DIBROMOMETHANE	0.3 U	0.3 U	0.3 U	0.147 U	0.147 U	0.147 U
BROMODICHLOROMETHANE	0.3 U	0.3 U	0.3 U	NA	NA	NA

Notes:

NA = Not analyzed

U = The material was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.

* = Compound Coelutes With Methanol In Standards

** = Compound Coelutes With Carbon Disulfide Extraction Solvent

Table B-5

Summary of Utility Sample Analytical Results - Solids/Sludges

Name	NYSDEC Recommended Soil Cleanup Objective[1]	U1-1 12/20/96	U6-1 12/20/96	U9-4 12/20/96	U9-7 12/20/96	U9-7 (1-15-97) 1/15/97	U13-1 12/18/96	U33-1 12/20/96
TOTAL SOLIDS (%)		55.63	75.58	25.55	47.66	49.85	5.06	53.96
MOISTURE (%)		44.37	24.42	74.45	52.34	NA	94.94	46.04
Metals (mg/Kg)								
ANTIMONY	SB	10.1	3.36 U	9.19 U	5.4	NA	50.2 U	162
ARSENIC	7.5 /SB	12	18	11	9.4	NA	21 U	8.6
BERYLLIUM	0.16 /SB	0.697	0.756	0.656 U	0.583	NA	3.59 U	0.327 U
CADMIUM	1 /SB	16.7	2.3	4.3	6.1	NA	11 U	15.1
CHROMIUM	10 /SB	683	48.2	220	207	NA	102	166
COPPER	25 /SB	8870	4960	10500	3890	NA	2070	2180
LEAD	SB	1110	610	979	960	NA	825	3420
MERCURY	0.1	0.74	0.51	0.31	0.089	NA	0.81	8.6
NICKEL	13 /SB	121	34.5	84.4	223	NA	201	35.6
SELENIUM	2 /SB	3.2	0.67 U	4.1	1.9	NA	11 U	0.94 U
SILVER	SB	3.86	1.18	9.25	5.16	NA	10.8 U	9.48
THALLIUM	SB	1.6 U	1.3 U	3.8 U	2.1 U	NA	21.3 U	5.7
ZINC	20 /SB	4180	1590	1240	2670	NA	4960	29100
PAHs (mg/Kg)								
NAPHTHALENE	13	43 U	32 U	84 U	4 J	NA	4.9 U	45 U
ACENAPHTHYLENE	41	43 U	32 U	84 U	4.9 U	NA	4.9 U	45 U
ACENAPHTHENE	50	43 U	32 U	84 U	5.5	NA	4.9 U	45 U
FLUORENE	50	43 U	32 U	84 U	11	NA	4.9 U	45 U
PHENANTHRENE	50	14 J	32 U	30 J	4.2 J	NA	4.9 U	45 U
ANTHRACENE	50	43 U	32 U	84 U	5.9	NA	4.9 U	45 U
FLUORANTHENE	50	18 J	32 U	75 J	12	NA	4.9 U	45 U
PYRENE	50	20 J	32 U	82 J	23	NA	4.9 U	45 U
BENZ(A)ANTHRACENE	0.224 MDL	10 J	32 U	38 J	7	NA	4.9 U	45 U
CHRYSENE	0.4	10 J	32 U	41 J	7.3	NA	4.9 U	45 U
BENZO(B)FLUORANTHENE	1.1	16 J	32 U	46 J	8	NA	4.9 U	45 U
BENZO(K)FLUORANTHENE	1.1	43 U	32 U	18 J	3.3 J	NA	4.9 U	45 U
BENZO(A)PYRENE	0.061 MDL	10 J	32 U	32 J	5.4	NA	4.9 U	45 U
INDENO(1,2,3-CD)PYRENE	3.2	43 U	32 U	84 U	3.5 J	NA	4.9 U	45 U
DIBENZO(A,H)ANTHRACENE	0.014 MDL	43 U	32 U	84 U	4.9 U	NA	4.9 U	45 U
BENZO(GHI)PERYLENE	50	43 U	32 U	84 U	3.5 J	NA	4.9 U	45 U
VOCs (mg/Kg)								
CHLOROMETHANE	NL	0.027	0.01 U	2.2 U	1.3 U	1.2 U	0.16 U	0.015 U
VINYL CHLORIDE	0.2	0.014 U	0.01 U	2.2 U	1.3 U	1.2 U	0.16 U	0.015 U
CHLOROETHANE	1.9	0.014 U	0.01 U	2.2 U	1.3 U	1.2 U	0.16 U	0.015 U
BROMOMETHANE	NL	0.014 U	0.01 U	2.2 U	1.3 U	1.2 U	0.16 U	0.015 U
1,1-DICHLOROETHENE	0.4	0.014 U	0.01 U	2.2 U	1.3 U	1.2 U	0.16 U	0.015 U
ACETONE	0.2	0.28	0.051 U	11 U	6.6 U	6.1 U	7.7	0.13
CARBON DISULFIDE	2.7	0.039	0.01 U	2.2 U	1.3 U	1.2 U	0.16 U	0.042
METHYLENE CHLORIDE	0.1	0.014	0.011	2.2 U	1.3 U	1.2 U	0.16 U	0.17
TRANS-1,2-DICHLOROETHENE	0.3	0.014 U	0.01 U	2.2 U	1.3 U	1.2 U	0.16 U	0.015 U
1,1-DICHLOROETHANE	0.2	0.014 U	0.01 U	2.2 U	1.3 U	1.2 U	0.16 U	0.015 U
CIS-1,2-DICHLOROETHENE	NL	0.014 U	0.01 U	2.2 U	1.3 U	1.2 U	0.16 U	0.015 U
2-BUTANONE (MEK)	0.3	0.074	0.051 U	11 U	6.6 U	6.1 U	0.79 U	0.076 U
CHLOROFORM	0.3	0.014 U	0.01 U	2.2 U	1.3 U	1.2 U	0.16 U	0.015 U
1,1,1-TRICHLOROETHANE	0.8	0.014 U	0.01 U	2.2 U	1.3 U	1.2 U	0.16 U	0.015 U
CARBON TETRACHLORIDE	0.6	0.014 U	0.01 U	2.2 U	1.3 U	1.2 U	0.16 U	0.015 U
BENZENE	0.06	0.015	0.01 U	2.2 U	1.3 U	1.2 U	0.16 U	0.015 U
1,2-DICHLOROETHANE	0.1	0.014 U	0.01 U	2.2 U	1.3 U	1.2 U	0.16 U	0.015 U
TRICHLOROETHENE	0.7	0.014 U	0.01 U	2.2 U	1.3 U	1.2 U	0.16 U	0.015 U
1,2-DICHLOROPROPANE	0.3	0.014 U	0.01 U	2.2 U	1.3 U	1.2 U	0.16 U	0.015 U
BROMODICHLOROMETHANE	NL	0.014 U	0.01 U	2.2 U	1.3 U	1.2 U	0.16 U	0.015 U
CIS-1,3-DICHLOROPROPENE	0.3	0.014 U	0.01 U	2.2 U	1.3 U	1.2 U	0.16 U	0.015 U
4-METHYL-2-PENTANONE (MIBK)	1	0.028 U	0.02 U	4.4 U	2.6 U	2.4 U	0.32 U	0.03 U
TOLUENE	1.5	0.014 U	0.01 U	2.2 U	1.3 U	1.2 U	0.16 U	0.015 U
TRANS-1,3-DICHLOROPROPENE	NL	0.014 U	0.01 U	2.2 U	1.3 U	1.2 U	0.16 U	0.015 U
1,1,2-TRICHLOROETHANE	NL	0.014 U	0.01 U	2.2 U	1.3 U	1.2 U	0.16 U	0.015 U
TETRACHLOROETHENE	1.4	0.014 U	0.01 U	2.2 U	1.3 U	1.2 U	0.16 U	0.015 U
2-HEXANONE	NL	0.028 U	0.02 U	4.4 U	2.6 U	2.4 U	0.32 U	0.03 U
DIBROMOCHLOROMETHANE	NA	0.014 U	0.01 U	2.2 U	1.3 U	1.2 U	0.16 U	0.015 U
CHLOROBENZENE	1.7	0.014 U	0.01 U	2.2 U	1.3 U	1.2 U	0.16 U	0.015 U
ETHYLBENZENE	5.5	0.014 U	0.01 U	2.2 U	1.3 U	1.2 U	0.16 U	0.015 U
P-XYLENE/M-XYLENE	1.2 *	0.014 U	0.01 U	2.2 U	1.3 U	1.2 U	0.16 U	0.015 U
O-XYLENE	1.2	0.014 U	0.01 U	2.2 U	1.3 U	1.2 U	0.16 U	0.015 U
STYRENE	NL	0.062	0.02	2.2 U	1.3 U	1.2 U	0.16 U	0.019
BROMOFORM	NL	0.014 U	0.01 U	2.2 U	1.3 U	1.2 U	0.16 U	0.015 U
1,1,2,2-TETRACHLOROETHANE	0.6	0.014 U	0.01 U	2.2 U	1.3 U	1.2 U	0.16 U	0.015 U
PCBs (mg/Kg)								
PCB 1016	10 (Sum of all PCBs)	0.8 U	0.1 U	16 U	10 U	NA	200 U	17 U
PCB 1221		0.8 U	0.1 U	16 U	10 U	NA	200 U	17 U
PCB 1232		0.8 U	0.1 U	16 U	10 U	NA	200 U	17 U
PCB 1242		0.8 U	0.1 U	16 U	10 U	NA	200 U	17 U
PCB 1248		0.8 U	0.1 U	16 U	10 U	NA	200 U	17 U
PCB 1254		0.8 U	0.1 U	16 U	10 U	NA	200 U	17 U
PCB 1260		5.4	0.1	85	36	NA	1020	30.9

Notes:

NA = Not analyzed/Not available

U = The material was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.

J = The associated numerical value is an estimated quantity.

MDL = Method Detection Limit

* = Each Isomer

NL = Not listed

SB = Site Background

[1] NYSDEC Division of Hazardous Waste Remediation TAGM 4046

Table B-5 (cont.)

Summary of Utility Sample Analytical Results - Solids/Sludges

Name	NYSDEC Recommended Soil Cleanup Objective[1]	U37-2 12/20/96	U37-2 (1-15-97) 1/15/97	U38-2 12/20/96	U38-6 12/20/96	U38-8 (1-15-97) 1/15/97	U38-8 12/20/96	U50-4 12/20/96
TOTAL SOLIDS (%)		63.21	63.1	68.59	NA	51.4	56.37	48.17
MOISTURE (%)		36.79	NA	31.41	NA	NA	43.63	51.83
Metals (mg/Kg)								
ANTIMONY	SB	10.4	NA	3.92 U	NA	NA	59.5	5.5 U
ARSENIC	7.5 /SB	5.1	NA	4	NA	NA	12	6.5
BERYLLIUM	0.16 /SB	0.275 U	NA	0.319	NA	NA	0.376 U	0.916
CADMIUM	1 /SB	2.9	NA	1.1	NA	NA	7.2	1.9
CHROMIUM	10 /SB	15.6	NA	23.2	NA	NA	66.6	51.8
COPPER	25 /SB	331	NA	28000	NA	NA	22300	458
LEAD	SB	5730	NA	830	NA	NA	6290	153
MERCURY	0.1	0.44	NA	0.16	NA	NA	0.45	0.63
NICKEL	13 /SB	16.7	NA	24	NA	NA	57.5	35.9
SELENIUM	2 /SB	0.68 U	NA	0.61 U	NA	NA	0.9 U	7.8
SILVER	SB	0.826 U	NA	1.59	NA	NA	28.8	1.18 U
THALLIUM	SB	1.4 U	NA	1.2 U	NA	NA	1.8 U	1.9 U
ZINC	20 /SB	2340	NA	459	NA	NA	538	584
PAHs (mg/Kg)								
NAPHTHALENE	13	175 U	NA	35 U	NA	NA	42 U	0.51 U
ACENAPHTHYLENE	41	175 U	NA	35 U	NA	NA	42 U	0.51 U
ACENAPHTHENE	50	175 U	NA	35 U	NA	NA	42 U	0.51 U
FLUORENE	50	175 U	NA	35 U	NA	NA	42 U	0.51 U
PHENANTHRENE	50	175 U	NA	35 U	NA	NA	42 U	0.51 U
ANTHRACENE	50	175 U	NA	35 U	NA	NA	42 U	0.51 U
FLUORANTHENE	50	175 U	NA	35 U	NA	NA	42 U	0.17 J
PYRENE	50	175 U	NA	35 U	NA	NA	42 U	0.17 J
BENZ(A)ANTHRACENE	0.224 MDL	175 U	NA	35 U	NA	NA	42 U	0.51 U
CHRYSENE	0.4	175 U	NA	35 U	NA	NA	42 U	0.51 U
BENZO(B)FLUORANTHENE	1.1	175 U	NA	35 U	NA	NA	42 U	0.15 J
BENZO(K)FLUORANTHENE	1.1	175 U	NA	35 U	NA	NA	42 U	0.51 U
BENZO(A)PYRENE	0.061 MDL	175 U	NA	35 U	NA	NA	42 U	0.51 U
INDENO(1,2,3-CD)PYRENE	3.2	175 U	NA	35 U	NA	NA	42 U	0.51 U
DIBENZO(A,H)ANTHRACENE	0.014 MDL	175 U	NA	35 U	NA	NA	42 U	0.51 U
BENZO(GHI)PERYLENE	50	175 U	NA	35 U	NA	NA	42 U	0.51 U
VOCs (mg/Kg)								
CHLOROMETHANE	NL	0.99 U	0.94 U	0.012 U	NA	1.1 U	1 U	0.016 U
VINYL CHLORIDE	0.2	0.99 U	0.94 U	0.012 U	NA	1.1 U	1 U	0.016 U
CHLOROETHANE	1.9	0.99 U	0.94 U	0.012 U	NA	1.1 U	1 U	0.016 U
BROMOMETHANE	NL	0.99 U	0.94 U	0.012 U	NA	1.1 U	1 U	0.016 U
1,1-DICHLOROETHENE	0.4	0.99 U	0.94 U	0.012 U	NA	1.1 U	1 U	0.016 U
ACETONE	0.2	5 U	4.7 U	0.06 U	NA	5.5 U	5 U	0.08 U
CARBON DISULFIDE	2.7	0.99 U	0.94 U	0.012 U	NA	1.1 U	1 U	0.016 U
METHYLENE CHLORIDE	0.1	0.99 U	0.94 U	0.017	NA	1.1 U	1 U	0.018
TRANS-1,2-DICHLOROETHENE	0.3	0.99 U	0.94 U	0.012 U	NA	1.1 U	1 U	0.016 U
1,1-DICHLOROETHANE	0.2	0.99 U	0.94 U	0.012 U	NA	1.1 U	1 U	0.016 U
CIS-1,2-DICHLOROETHENE	NL	0.99 U	0.94 U	0.012 U	NA	1.1 U	1 U	0.016 U
2-BUTANONE (MEK)	0.3	5 U	4.7 U	0.06 U	NA	5.5 U	5 U	0.08 U
CHLOROFORM	0.3	0.99 U	0.94 U	0.012 U	NA	1.1 U	1 U	0.016 U
1,1,1-TRICHLOROETHANE	0.8	0.99 U	0.94 U	0.012 U	NA	1.1 U	1 U	0.016 U
CARBON TETRACHLORIDE	0.6	0.99 U	0.94 U	0.012 U	NA	1.1 U	1 U	0.016 U
BENZENE	0.06	0.99 U	0.94 U	0.012 U	NA	1.1 U	1 U	0.016 U
1,2-DICHLOROETHANE	0.1	0.99 U	0.94 U	0.012 U	NA	1.1 U	1 U	0.016 U
TRICHLOROETHENE	0.7	0.99 U	0.94 U	0.012 U	NA	1.1 U	1 U	0.016 U
1,2-DICHLOROPROPANE	0.3	0.99 U	0.94 U	0.012 U	NA	1.1 U	1 U	0.016 U
BROMODICHLOROMETHANE	NL	0.99 U	0.94 U	0.012 U	NA	1.1 U	1 U	0.016 U
CIS-1,3-DICHLOROPROPENE	0.3	0.99 U	0.94 U	0.012 U	NA	1.1 U	1 U	0.016 U
4-METHYL-2-PENTANONE (MIBK)	1	2 U	1.9 U	0.024 U	NA	2.2 U	2 U	0.052 U
TOLUENE	1.5	0.99 U	1.4	0.012 U	NA	1.1 U	1 U	0.016 U
TRANS-1,3-DICHLOROPROPENE	NL	0.99 U	0.94 U	0.012 U	NA	1.1 U	1 U	0.016 U
1,1,2-TRICHLOROETHANE	NL	0.99 U	0.94 U	0.012 U	NA	1.1 U	1 U	0.016 U
TETRACHLOROETHENE	1.4	0.99 U	0.94 U	0.012 U	NA	1.1 U	1 U	0.016 U
2-HEXANONE	NL	2 U	1.9 U	0.024 U	NA	2.2 U	2 U	0.032 U
DIBROMOCHLOROMETHANE	NA	0.99 U	0.94 U	0.012 U	NA	1.1 U	1 U	0.016 U
CHLOROBENZENE	1.7	0.99 U	0.94 U	0.012 U	NA	1.1 U	1 U	0.016 U
ETHYLBENZENE	5.5	0.99 U	0.94 U	0.012 U	NA	1.1 U	1 U	0.016 U
P-XYLENE/M-XYLENE	1.2 *	1.3	1.9	0.012 U	NA	1.1 U	1 U	0.016 U
O-XYLENE	1.2	0.99 U	0.94 U	0.012 U	NA	1.1 U	1 U	0.016 U
STYRENE	NL	0.99 U	0.94 U	0.012 U	NA	1.1 U	1 U	0.016
BROMOFORM	NL	0.99 U	0.94 U	0.012 U	NA	1.1 U	1 U	0.016 U
1,1,2,2-TETRACHLOROETHANE	0.6	0.99 U	0.94 U	0.012 U	NA	1.1 U	1 U	0.016 U
PCBs (mg/Kg)								
PCB 1016	10 (Sum of all PCBs)	0.2 U	NA	12 U	35 U	NA	9 U	0.1 U
PCB 1221		0.2 U	NA	12 U	35 U	NA	9 U	0.1 U
PCB 1232		0.2 U	NA	12 U	35 U	NA	9 U	0.1 U
PCB 1242		0.2 U	NA	12 U	35 U	NA	9 U	0.1 U
PCB 1248		0.2 U	NA	12 U	35 U	NA	9 U	0.1 U
PCB 1254		0.2 U	NA	12 U	35 U	NA	9 U	0.1 U
PCB 1260		0.2 U	NA	35	130	NA	75	0.17

Notes:

NA = Not analyzed/Not available

U = The material was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.

J = The associated numerical value is an estimated quantity.

MDL = Method Detection Limit

* = Each isomer

NL = Not listed

SB = Site Background

[1] NYSDEC Division of Hazardous Waste Remediation TAGM 4046

Table B-5 (cont.)
Summary of Utility Sample Analytical Results - Water

Name	Groundwater Standard / Guidance Value	U9-1 12/20/96	U9-5 12/20/96	U9-8 12/20/96	U11-2 12/18/96	U11-5 12/20/96	U13-4 12/20/96	U37-1 12/20/96	U39-3 12/20/96	U41-1 12/18/96	U50-6 12/20/96
Total Metals (mg/L)											
ANTIMONY	0.003 g	0.028 U	0.028 U	0.028 U	0.028 U	0.028 U	0.028 U	NA	0.028 U	0.028 U	0.08
ARSENIC	0.025 s	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	NA	0.002 U	0.002 U	0.048
BERYLLIUM	0.003 g	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	NA	0.002 U	0.002 U	0.002 U
CADMIUM	0.01 s	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.027	0.005 U	0.005 U
CHROMIUM	0.05 s	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.025
COPPER	0.2 s	0.036	0.035	0.017	0.954	0.03	0.234	NA	0.316	0.04	0.098
LEAD	0.025 s	0.005	0.015	0.003	0.034	0.006	0.042	NA	0.013	0.018	0.31
MERCURY	0.002 s	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0011
NICKEL	NA	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	NA	0.012 U	0.012 U	0.016
SELENIUM	0.01 s	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	NA	0.002	0.002 U	0.002 U
SILVER	0.05 s	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	NA	0.006 U	0.006 U	0.006 U
THALLIUM	0.004 g	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U
ZINC	0.3 s	0.173	0.242	0.083	0.145	0.109	0.174	NA	5.24	0.198	1.38
Dissolved Metals (mg/L)											
ANTIMONY	0.003 g	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.025 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	0.003 g	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	0.01 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	0.05 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	0.2 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	0.025 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.002 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	0.01 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	0.05 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.004 g	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	0.3 s	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAHs (ug/L)											
NAPHTHALENE	10 g	5 U	44	5 U	5 U	5 U	5 U	NA	6 U	5 U	5 U
ACENAPHTHYLENE	20 g	5 U	25 U	5 U	5 U	5 U	5 U	NA	6 U	5 U	5 U
ACENAPHTHENE	20 g	5 U	15 J	5 U	5 U	5 U	5 U	NA	6 U	5 U	5 U
FLUORENE	50 g	5 U	24 J	5 U	5 U	5 U	5 U	NA	6 U	5 U	5 U
PHENANTHRENE	50 g	5 U	54	5 U	5 U	5 U	1.6 J	NA	6 U	5 U	5 U
ANTHRACENE	50 g	5 U	9 J	5 U	5 U	5 U	5 U	NA	6 U	5 U	5 U
FLUORANTHENE	50 g	5 U	25 U	5 U	5 U	5 U	2.9 J	NA	6 U	5 U	5 U
PYRENE	50 g	5 U	8 J	5 U	5 U	5 U	2.6 J	NA	6 U	5 U	5 U
BENZ(A)ANTHRACENE	0.002 g	5 U	25 U	5 U	5 U	5 U	1.5 J	NA	6 U	5 U	5 U
CHRYSENE	0.002 g	5 U	7.6 J	5 U	5 U	5 U	1.5 J	NA	6 U	5 U	5 U
BENZO(B)FLUORANTHENE	0.002 g	5 U	25 U	5 U	5 U	5 U	1.8 J	NA	6 U	5 U	5 U
BENZO(K)FLUORANTHENE	0.002 g	5 U	25 U	5 U	5 U	5 U	5 U	NA	6 U	5 U	5 U
BENZO(A)PYRENE	0.002 MDL	5 U	25 U	5 U	5 U	5 U	1.3 J	NA	6 U	5 U	5 U
INDENO(1,2,3-CD)PYRENE	0.002 g	5 U	25 U	5 U	5 U	5 U	5 U	NA	6 U	5 U	5 U
DIBENZO(A,H)ANTHRACENE	NA	5 U	25 U	5 U	5 U	5 U	5 U	NA	6 U	5 U	5 U
BENZO(GHI)PERYLENE	5 g	5 U	25 U	5 U	5 U	5 U	5 U	NA	6 U	5 U	5 U
VOCs (ug/L)											
CHLOROMETHANE	NL	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VINYL CHLORIDE	2 s	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROETHANE	5 s	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
BROMOMETHANE	5 s	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHENE	5 s	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
ACETONE	50 g	25 U	2500 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	33
CARBON DISULFIDE	NA	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
METHYLENE CHLORIDE	5 s	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
TRANS-1,2-DICHLOROETHENE	5 s	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	5 g	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
CIS-1,2-DICHLOROETHENE	5 s	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-BUTANONE (MEK)	NA	25 U	500 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
CHLOROFORM	7 s	5	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1-TRICHLOROETHANE	5 s	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
CARBON TETRACHLORIDE	5 g	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
BENZENE	0.7 s	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROETHANE	5 s	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
TRICHLOROETHENE	5 s	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROPROPANE	5 s	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
BROMODICHLOROMETHANE	50 g	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
CIS-1,3-DICHLOROPROPENE	5 s	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-METHYL-2-PENTANONE (MIBK)	NA	10 U	500 U	10 U	10 U	10 U	10 U	25 U	10 U	10 U	19
TOLUENE	5 s	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
TRANS-1,3-DICHLOROPROPENE	5 s	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-TRICHLOROETHANE	5 s	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
TETRACHLOROETHENE	5 s	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-HEXANONE	50 g	10 U	1000 U	10 U	10 U	10 U	10 U	25 U	10 U	10 U	10 U
DIBROMOCHLOROMETHANE	50 g	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROBENZENE	5 s	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
ETHYLBENZENE	5 s	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
P-XYLENE/M-XYLENE	5 s*	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
O-XYLENE	5 s	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
STYRENE	5 s	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
BROMOFORM	50 g	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	5 s	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
PCBs (ug/L)											
PCB 1016	0.1 s	0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U	0.2 U	2 U
PCB 1221	(Sum of	0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U	0.2 U	2 U
PCB 1232	all PCBs)	0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U	0.2 U	2 U
PCB 1242		0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U	0.2 U	2 U
PCB 1248		0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U	0.2 U	2 U
PCB 1254		0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U	0.2 U	2 U
PCB 1260		0.1 U	4.3	0.1 U	0.67	0.35	0.34	NA	0.1 U	0.2 U	11.2

Notes:

NA = Not analyzed/Not available

U = The material was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.

J = The associated numerical value is an estimated quantity.

MDL = Method Detection Limit

s = Standard

g = Guidance

* = Each isomer

NL = Not listed