New York State Department of Environmental Conservation
Office of Environmental Quality, Region 4
1130 North Westcott Road, Schenectady, New York 12306-2014
Phone: (518) 357-2045 • **Fax:** (518) 357-2398
Website: www.dec.ny.gov

Joe Martens
Commissioner

January 23, 2012

Mr. David Buicko
Maxon-ALCO Holdings, Inc.
695 Rotterdam Industrial Park
Schenectady, NY 12306

Re: ALCO-Maxon Site – Parcel A
Brownfield Cleanup Project # C447042
Remedial Investigation Work Plan

Dear Mr. Buicko:

The New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH) have reviewed Addendum A – Remedial Investigation Work Plan – River Bank and Sediment Sampling letter received from CHA on 01/10/2012. This submittal has addressed our comments made on 12/02/2011 regarding the RIWP for Parcel A.

The NYSDEC and the NYSDOH hereby approve the Remedial Investigation Work Plan (RIWP) for Parcel A. Please note that the following correspondence is included in the front of the RIWP for Parcel A:

1. This approval letter,
2. CHA's Addendum A – Remedial Investigation Work Plan – River Bank and Sediment sampling letter (01/10/2012),
3. NYSDEC's "RI Sampling only for Parcel A EVI" letter (08/01/2011),
4. CHA's "Supplement to RIWP Parcel A" letter (06/29/2011),
5. CHA's "Response to Comments" letter (04/29/2011), and
6. Kleinfelder's "Response to Comments Resolution" letter (11/02/2010).

An electronic copy of the approved RIWP for Parcel A is enclosed with this letter. As required in the Citizen Participation Plan (10/2010) for Parcel A, Maxon-ALCO Holdings, Inc. will place a paper copy of the approved ALCO-Maxon Parcel A Remedial Investigation Work Plan at the ALCO-Maxon Site repository (Schenectady City Library). Please contact this office with any questions. My contact number is (518) 357-2390.

Sincerely,

John R Strang

John R. Strang, P.E.
Environmental Engineer 2
Division of Environmental Remediation
Region 4

Enclosure

ec: S. Porter, Galesi
D. Sommer, Young, Sommer
S. Luciano, Galesi
A. Barber, Barton & Loguidice
K. Cowan, CHA
P. LaFond, City of Schenectady
A. DeMarco, NYSDOH
D. Croswell, CDR-DOH
A. Suflita, SC-DOH
R. Cozzy, NYSDEC
B. Conlon, NYSDEC – OGC
R. Quail, NYSDEC - FWMR
C. Gosier, NYSDEC - FWMR
R. Ostrov, NYSDEC Reg. 4
K. Goertz, NYSDEC Reg. 4
C. O'Neill, NYSDEC Reg. 4

JS:jw letter.c447042.2012-01-23.DEC-DOH_approval_RIWP_Parcel_A

January 10, 2012

New York State Department of Environmental Conservation
Office of Environmental Quality, Region 4
1130 N. Westcott Road
Schenectady, New York 12306
Attn: Mr. John R. Strang, P.E.

RE: Addendum A - Remedial Investigation Work Plan – River Bank and Sediment Sampling
ALCO-Maxon Site – Parcel A
NYSDEC BCP #s: C447042
CHA Project #: 14600

Dear Mr. Strang:

On behalf of Maxon-ALCO Holdings, LLC, enclosed please find the above referenced work plan addendum pertaining to river bank sampling and sediment sampling activities requested by the Department. This is an addendum to the approved Remedial Investigation Work Plan (RIWP) for Parcel A of the ALCO-Maxon Site.

If you have any questions regarding this submission, please do not hesitate to contact me at (518) 453-2899.

Sincerely,

Keith Cowan, C.P.G.
Project Manager

cc: Mr. Dean Sommer, Young, Sommer
Mr. Steve Porter, Galesi
Mr. Steve Luciano, Galesi

ATTACHMENT A
ADDENDUM A TO THE REMEDIAL INVESTIGATION WORK PLAN (RIWP)
FOR PARCEL A OF THE ALCO-MAXON SITE

CHA

Addendum A
River Bank and Sediment Sampling
Remedial Investigation Work Plan–ALCO-Maxon Site, Parcel A
BCP #: C447042
January 10, 2012

1.0 INTRODUCTION

This work plan addendum has been drafted to formalize the field sampling plan for the river bank and sediment sampling that was originally requested in the New York State Department of Environmental Conservation (NYSDEC) correspondence dated April 4, 2011. A response to the comments along with a proposed approach for the river bank and sediment sampling was transmitted to the NYSDEC on June 29, 2011 and a final comment letter was received from the Department dated December 2, 2011 providing final responses regarding the required river bank and sediment sampling.

2.0 SAMPLING AND ANALYSIS SUMMARY

2.1 RIVER BANK SOIL SAMPLING

Ten soil samples will be collected along the river bank in the Parcel A area. These samples will be collected on bank adjacent the river sediment samples further discussed below and shown on Figure 1 attached. The soil sample will be collected from a location above the rip rap, but below the top of the bank slope. The soil samples are to be collected at 0-6", 6-12" and 12-24" intervals at each location. Sampling intervals from which a usable sample cannot be collected due to rocks, debris, etc. need to be documented as such.

Two additional soil samples will be collected within “Area 1 and Area 2” (just west of former buildings 322 and 324). The exact location of these samples will be determined by a NYSDEC representative prior to the sample collection. These soil samples will be collected from a depth of 0-6" below ground surface.

Each soil sample will be analyzed for the full Target Compound List (TCL) and first thirty Tentatively Identified Compounds (TIC) and Target Analyte List (TAL) metals.

2.2 SEDIMENT SAMPLING ADJACENT TO PARCEL

Sediment samples will be collected from the river bottom along a single transect. The transect will consist of ten (10) sediment samples evenly spaced as shown on Figure 1. Each sediment sample will be collected as close as possible to the toe of the slope (rip rap/river bottom interface). Each location will be sampled at a depth of 0-6", 6-12" and 12-24" below the sediment surface.

In addition, three upstream, background sediment samples will be collected from 100, 300, and 500 feet upstream of the ALCO Maxon Site. Again each sediment sample will be collected as close as possible to the toe of the slope (rip rap/river bottom interface) and each location will be sampled at a depth of 0-6", 6-12" and 12-24" below the sediment surface. These samples will be collected away from obvious potential contaminant sources, such as outfalls.

Each sediment sample will be analyzed for the full Target Compound List (TCL) and first thirty Tentatively Identified Compounds (TIC), Target Analyte List (TAL) metals, and total organic carbon.

3.0 DECONTAMINATION PROCEDURE

For any non-dedicated equipment that is used (i.e. sediment core sampler, hand auger) the decontamination procedure is as follows:

1. Disassemble equipment, as required.
2. Remove gross contamination from the equipment by brushing and then rinsing with tap water.
3. Wash and scrub with low phosphate detergent;
4. Tap water rinse;
5. Rinse with 10 percent nitric acid (HNO_3) solution;
6. Distilled water rinse;
7. Acetone or Methanol rinse;
8. Thoroughly rinse with distilled water; and
9. Air dry.

All decontaminated equipment will be placed on polyethylene sheeting or aluminum foil in order to avoid contacting a contaminated surface prior to use. Field personnel will use a new pair of outer gloves before handling sample equipment after it is cleaned. During periods of transportation and non-use, all decontaminated sampling equipment will be wrapped in aluminum foil.

4.0 QUALITY ASSURANCE PROCEDURES

4.1 QUALITY ASSURANCE OBJECTIVES

The overall quality assurance objectives are outlined in the draft Remedial Investigation Work Plan for Parcel A. Specific additional procedures to be followed during implementation of this work are presented below.

4.2 SAMPLING PROCEDURES

Sample preservation methods and maximum sample holding times are summarized below for the sediment samples. Duplicate and MS/MSD samples will be collected, 1 for every 20 samples.

Table 3-1: Container, Preservation, and Packaging Requirements

Analysis	Recommended Volume and Container	Preservation	Max. Holding Times	Shipping Means	Packaging
Sediment Samples					
VOCs via EPA Method 8260	Terra Core Sampler	N/A	14 days from sample collection	Hand Delivery/ FedEx Priority	Cooler with Bubble Pack
SVOCs via EPA Method 8270	8 oz. amber glass	N/A	14 days from sample collection	Hand Delivery/ FedEx Priority	Cooler with Bubble Pack
PCBs via EPA Method 8082	8 oz. amber glass	N/A	14 days from sample collection	Hand Delivery/ FedEx Priority	Cooler with Bubble Pack
Metals via EPA Method 6010	8 oz. amber glass	N/A	180 days from sample collection	Hand Delivery/ FedEx Priority	Cooler with Bubble Pack

A Chain-of-Custody will be maintained to document the transfer of all samples. Each sample container will be properly sealed. Sample container labels will include sample number, place of collection and date and time of collection. Sample containers will be shipped to the Contract Laboratory at 4°C (±2°C) in sealed coolers.

4.3 ANALYTICAL METHODS AND REPORTING

All sediment samples will be analyzed by the methods shown in Table 3-1. All QA/QC samples will be analyzed for the same parameters as the site-specific samples.

All reporting and deliverables will be in accordance with the NYSDEC September 1989 ASP (12/91 Revision), Category B. All reports will be received by CHA within 20 business days of the last day of sampling. The laboratory will also be required to provide the data as an electronic data deliverable (EDD).

New York State Department of Environmental Conservation
Office of Environmental Quality, Region 4
1130 North Westcott Road, Schenectady, New York 12306-2014
Phone: (518) 357-2045 • **Fax:** (518) 357-2398
Website: www.dec.ny.gov

Joe Martens
Commissioner

August 1, 2011

Mr. Keith Cowan
Project Manager
CHA Companies
111 Winners Circle
P.O. Box 5269
Albany, NY 12205-0269

Re: ALCO-Maxon Site – Parcel A
Brownfield Cleanup Project # C447042
Interim Remedial Measures Work Plan to Perform the Remedial Investigation of a Portion of Parcel A

Dear Mr. Cowan:

The New York State Department of Environmental Conservation (NYSDEC) has reviewed the above referenced letter, dated 7/19/2011. Rather than approving a separate Interim Remedial Measure for the remedial investigation (RI) sampling only for the EVI portion within Parcel A; the NYSDEC will approve CHA following the proposed scope of work stated in the 5/24/10 draft Parcel A RI Work Plan, including CHA's Response to Comments letter dated 04/29/11, in order to proceed with the EVI remedial investigation.

With agreement by CHA to complete the RI work as proposed above, the NYSDEC approves commencement of the RI work on Parcel A EVI area, only. Please contact me with CHA's acceptance at (518) 357-2390.

Submission to this office of all EVI RI results, including data evaluation, before submitting a complete RI report for Parcel A and Parcel B is acceptable.

Sincerely,

John R Strang

John R. Strang, P.E.
Environmental Engineer 2
Division of Environmental Remediation
Region 4

JRS/vaa-ALCO.MaxonRd.
ec: S. Buicko, Galesi
S. Porter, Galesi

D. Sommer, Young, Sommer
A. DeMarco, NYSDOH
D. Croswell, CDR-DOH
A. Suflita, SC-DOH
R. Cozzy, NYSDEC
B. Conlon, NYSDEC - OGC
C. Gosier, NYSDEC - FWMR
R. Ostrov, NYSDEC Reg. 4
K. Goertz, NYSDEC Reg. 4
C. O'Neill, NYSDEC Reg. 4

June 29, 2011

New York State Department of Environmental Conservation
Office of Environmental Quality, Region 4
1130 N. Westcott Road
Schenectady, New York 12306
Attn: Mr. John R. Strang, P.E.

RE: Remedial Investigation Work Plan Supplemental Response to Comments
ALCO-Maxon Site – Parcel A
NYSDEC BCP #s: C447042
CHA Project #: 14600

Dear Mr. Strang:

On behalf of Maxon-ALCO Holdings, LLC, enclosed (Attachment A), please find a copy of the supplemental responses to the New York State Department of Environmental Conservation's (NYSDEC) comments relative to the Draft Remedial Investigation Work Plan (RIWP) for Parcel A of the ALCO-Maxon Site. It is our understanding that the only outstanding comments are related to the river bank sampling and sediment sampling activities that have been requested by the Department. The enclosed responses to comments specifically address the collection of river bank and sediment samples.

If you have any questions regarding this submission, please do not hesitate to contact me at (518) 453-2899. Please let me know whether you would like to meet on-site to discuss the enclosed responses.

Sincerely,

Keith Cowan, C.P.G.
Project Manager

cc: Mr. Steve Porter
Mr. Ray Gillen

ATTACHMENT A
RESPONSE TO COMMENTS

Supplemental Response to DEC Comments
on the
Remedial Investigation Work Plan, Parcel A
ALCO-Maxon Site
BCP #s: C447042
Dated June 29, 2011

Comment 10:
Surface Soil Sampling - Identify two (2) transects of soil sampling locations placed along the bank of the Mohawk River and within ten (10) feet of the top of the bank. Locations are to be placed evenly along the transects except in "Area 1" where a higher density should be placed. Soil samples are to be collected at 0-6",6-12" and 12-24" intervals at each location. Additionally, all proposed soil sampling locations in Parcel A should include sampling in the 6-12" and 12-24" intervals. All analytes should be included in the sample analyses.

Response 10:
On June 10^{th}, CHA visited the site to examine the bank and to determine the feasibility of performing surface soil sampling in this area. Based on observations made during the site visit, much of the bank is constructed of heavy stone armor (i.e. boulders approximately 3 to 5 feet in diameter) and the slope in this area has a ratio of at least 1.5:1. The steep nature of the bank will prevent the use of any mechanical equipment (i.e. Geoprobe) to advance the surface borings. Furthermore, the presence of the heavy stone armor will prevent the hand-driving of any sampling equipment (i.e. hand auger).

As noted in the RIWP, the ALCO Site has been the subject of numerous environmental investigations since the early 1990’s. From 1992 to 2011, there have been more than 30 investigation locations along the top of the bank, including soil borings and monitoring wells, Geoprobe borings, and surficial samples. Historically, this data has been presented to NYSDEC and has not demonstrated any significant impact

Based on anticipated difficulty in accessing riverbank soils and the fact that analytical data has already been obtained for locations at the top of the bank, we do not propose to perform any additional bank sampling. Existing information from the top of the bank will be summarized in the RI Report.

Comment 11:
Sediment Sampling Adjacent to Parcel A -Identify two (2) transects of sediment sampling locations placed along the toe of slope with the Mohawk River and twenty (20) feet from the toe of slope. All locations are to be sampled at 0-6",6-12" and 12-24" below sediment surface samples. All analytes, plus total organic carbon, are to be included in the sample analyses.

Upstream of Parcel A -To assist with data interpretation, at least ten (10) upstream sediment samples are to be collected. All locations should be sampled at 0-6", 6-12" and 12-24" below sediment surface samples. All analytes, plus total organic carbon, are to be included in the sample analyses.

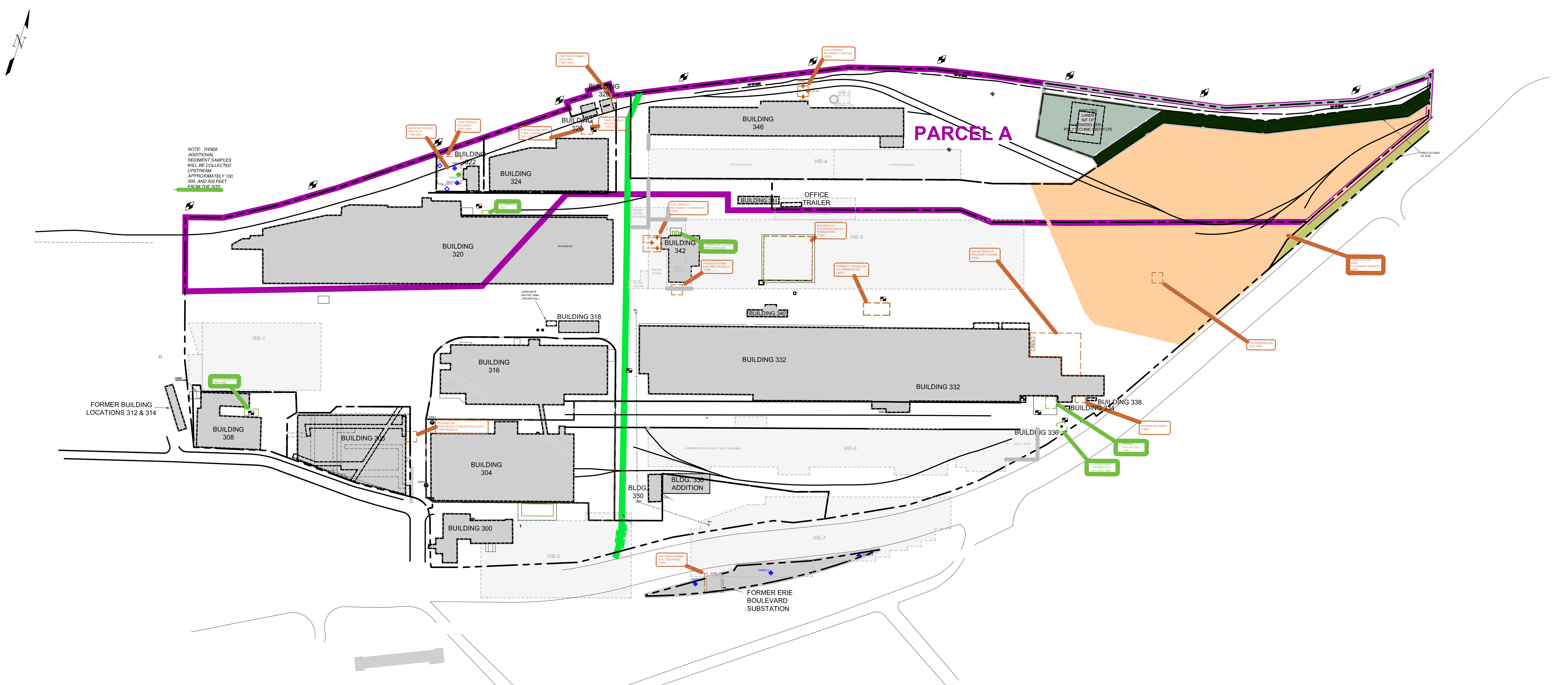
Response 11:
As previously noted, CHA visited the site on June 10^{th} to examine the shoreline area and to determine the feasibility of performing sediment sampling along the ALCO-Maxon site. Based on observations made during the site visit, the heavy store armor extends from the river bank to at least 10 to 20 feet off shore; the ultimate extent is unknown at this time. It is expected that the presence of these boulders will significantly restrict access to the underlying sediments.

With that said, we will attempt to collect sediment samples along one (1) transect as close to the toe of the slope as possible. The transect will consist of 10 sediment samples spaced evenly along the transect. The proposed sediment sample locations are shown on the attached figure; please note that the distance from the toe of the slope may vary greatly depending upon the presence of the heavy store armor at that specific location.

In addition to the 10 samples collected adjacent to the site, background sediment samples will be collected at distances approximately 100, 300 and 500 feet upstream from the Site.

At all sample locations, sediment samples will be collected from depths of 0 to 6 inches, 6 to 12 inches, and 12 to 24 inches below sediment surface if feasible. Samples will be analyzed for VOCs, SVOCs, PCBs, metals and total organic carbon.

Due to the extent of the heavy store armor, it is anticipated that sediment sampling activities will be conducted from a boat using a push-driven sediment corer. It is noted that penetration through/past the heavy stone armor may not be feasible. However, reasonable efforts will be made to obtain sediment samples adjacent to the Site.



LEGEND

- PROPERTY BOUNDARY
- BCP SITE BOUNDARY
- GRID FOR SOIL VAPOR SAMPLING
- LIFT STATION WITH DRAINAGE STRUCTURE NUMBER
- PROPOSED TEST PIT LOCATION
- PROPOSED SEDIMENT SAMPLE LOCATION
- MANHOLE WITH DRAINAGE STUCTURE NUMBER
- CATCH BASIN WITH DRAINAGE STRUCTURE NUMBER

AREA DEFINITIONS

- BUILDINGS/STRUCTURES
- HB FORMER BUILDINGS (PREVIOUSLY DEMOLISHED)
- "EVI" PARCEL
- "RPI" PARCEL
- OTHER PROPERTIES NO PART OF SITE
- REMEDIATION AREA
- FORMER UST/AST LOCATIONS
- PROPOSED GROUND PENETRATING RADAR LOCATIONS

NOTES:

1) BASE MAPPING PREPARED BY ABD ENGINEERS & SURVEYORS FROM A FEBRUARY 1988 FIELD SURVEY, UPDATED TO NOVEMBER 1999.

2) SURVEY SHOWN IS SUBJECT TO ANY SUBSURFACE EASEMENTS, RESTRICTIONS OR CONDITIONS THAT EXIST, IF ANY.

3) UNDERGROUND UTILITIES ARE SHOWN FROM FIELD LOCATION IF POSSIBLE. OTHERS ARE SHOWN FROM RECORD DATA. THEIR EXACT LOCATION MAY BE DIFFERENT FROM THAT AS SHOWN AND OTHERS MAY EXIST.

4) THIS SURVEY HAS BEEN PREPARED IN ACCORDANCE WITH THE CODE OF PRACTICE FOR LAND SURVEYS ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS AS LAST REVISED JANUARY 1993.

5) BEARINGS BASED UPON MAP REFERENCE NO. 1.

6) THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN UP TO DATE ABSTRACT OF TITLE OR TITLE REPORT AND IS SUBJECT TO ANY STATEMENT OF FACT THAT SUCH ABSTRACT OF TITLE OR TITLE REPORT MAY REVEAL.

MAP REFERENCE:

1) MAP TAKEN FROM "DRAFT REMEDIAL INVESTIGATION WORK PLAN" DATED MAY 24, 2010, AS PREPARED BY KLEINFELDER, INC.

2) "SURVEY OF LANDS, ALCO LOCOMOTIVE, INC., CITY OF SCHENECTADY, COUNTY OF SCHENECTADY", DATED MARCH 1970, AS PREPARED BY C.T. MALE ASSOCIATES.

3) "A SUBDIVISION OF A PORTION OF LANDS OF SCHENECTADY INDUSTRIAL CORPORATION", DATED JUNE 30, 1988, AS PREPARED BY THE ENVIRONMENTAL DESIGN PARTNERSHIP.

4) "SITE PLAN, PROPOSED C & D RECYCLING FACILITY, NOTT STREET INDUSTRIAL PARK", DATED FEBRUARY 1995, AS PREPARED BY INGALLS SMART ASSOCIATES.

SOURCE:

1) ABD ENGINEERS AND SURVEYORS FEBRUARY 1988, REVISED NOVEMBER 1999.

2) HISTORIC BUILDING (HB) LOCATIONS BASED ON A "FUEL OIL PIPING" PLAN, PREPARED FOR AMERICAN LOCOMOTIVE CO., REVISED AUGUST 22,195.

120 60 0 120
SCALE (feet)

CHA
III Winners Circle, PO Box 5269 · Albany, NY 12205-0269
Main: (518) 453-4500 · www.chacompanies.com

PROJECT NO.	14600
DRAWN:	06/24/11
DRAWN BY:	
CHECKED BY:	
FILE NAME:	

PROPOSED SEDIMENT SAMPLING LOCATIONS

ALCO-MAXON SITE
SCHENECTADY, NEW YORK

FIGURE
1

April 29, 2011

Dean S. Sommer
Young Sommer LLC.
5 Palisades Drive
Albany, New York 12205

RE: Remedial Investigation Work Plans Response to Comments – ALCO-Maxon Site Parcels A, B, and C
NYSDEC BCP #s: C447042, C447043, and C447044
CHA Project #: 14600

Dear Dean:

On behalf of Maxon-ALCO Holdings, LLC, enclosed (Attachment A), please find a copy of additional responses to the New York State Department of Environmental Conservation's (NYSDEC) comments relative to the Draft Remedial Investigation Work Plans (RIWPs) for the ALCO-Maxon Site. These responses to comments would be incorporated into the final RIWP following approval from the NYSDEC. However, I note that the NYSDEC had earlier provided comments on the RIWP on August 24, 2010 and that Kleinfelder provided responses to those comments on September 24, 2010 which were incorporated into the RIWP. I offer these additional comments to supplement the responses that you provided to Keith Goertz in your correspondence of April 4, 2011 with regard to the DEC's expansion of investigation measures extending to off-site locations.

If you have any questions regarding this submission, please do not hesitate to contact me at (518) 453-2899. Please let me know whether you would like me to speak with John to set up a meeting to discuss these items. I am also forwarding this memo to John Strang so that the final approval process can proceed without any further delay.

Sincerely,

Keith Cowan, C.P.G.
Project Manager

cc: New York State Department of Environmental Conservation
Office of Environmental Quality, Region 4
1130 N. Westcott Road
Schenectady, New York 12306
Attn: Mr. John R. Strang, P.E

Mr. Steve Porter
Mr. Ray Gillen

ATTACHMENT A
RESPONSE TO COMMENTS

Response to DEC Comments
on the
Remedial Investigation Work Plan, Parcels A, B, and C
ALCO-Maxon Site
BCP #s: C447042, C447043, and C447044
Dated April 22, 2011

General Comments Applying to Each Parcel RIWP:

Comment 1:
Regarding Soil Vapor Section 4.4.1.1 Subsurface Samples: Under the subsection titled - Sample Collection of Subsurface Soil Vapor (page 27 of 38), the work plan states that soil vapor samples will be collected for a duration of one hour. Sample collection duration of at least two hours is recommended.
Response 1:
The Department's comment is noted and the collection of samples for subsurface soil vapor will performed for a duration of two (2) hours.

Comment 2:
Table 4 -Proposed Soil Vapor Sampling: This section states that one (1) liter Summa canisters will be used for soil vapor and sub-slab samples while six (6) liter Summa canisters will be used for indoor air. While the use of one (1) liter Summa canisters is acceptable, sample collection needs to meet the flow rate and method detection limit criteria detailed in the Depart of Health Guidance document. The same size canisters are recommended for all types of samples for consistency and a six (6) liter Summa canister is generally preferred in order to be able to complete laboratory dilutions (if necessary).
Response 2:
The Department's comment is noted and based upon specific site conditions that are found in the field we will consider performing soil vapor and sub slab vapor sampling using six (6) liter Summa canisters.

Comment 3:
Exposure Assessment Section 3.1.2 of the RIWP contains an exposure assessment. While an exposure assessment is not required before the final Remedial Investigation Report (RIR), please note that it will need to be revised for the RIR based on the results of the Remedial Investigation.

Response 3:
The final RIR will include an updated Exposure Assessment based on the supplemental data collected during the RI activities. The updated Exposure Assessment will consider both the historical data and the newly collected analytical data.

Comment 4:
Community Air Monitoring Program (CAMP) - During any subsurface assessment work, the RIWP requires a CAMP that includes upwind and downwind sample collection monitors. Monitoring for VOCs is required. Include the CAMP as an appendix in the RIWP for each Parcel.

Response 4:
A Site-Specific CAMP has been prepared for the investigation activities and is included as Attachment A to this letter.

Comment 5:
Electronic Data Deliverable (EDD) - 5.2 Reporting: All analytical data generated for these RIWPs and throughout the Brownfield Cleanup program, are to be submitted to the NYSDEC electronically, in accordance with the requirements (NYSDEC EDD) set forth in the NYSDEC Public website:

http://www.dec.ny.gov/chemical/62440.html, as well as included in the RIR with appropriate assimilation and discussion.

Response 5:
All newly collected analytical data that is generated during the planned RI activities will be submitted to the Department in the required NYSDEC Electronic Data Deliverable (EDD) format. However, given the quantity of historical data that exists for the Site, the Volunteer does not anticipate submitting the historical data in the new EDD format. Where CHA considers it helpful or necessary, some historical data may be provided in the NYSDEC EDD format to assist with the presentation of the nature and extent of contamination.

Comment 6:
Remedial Investigation Report - Include a summary of historical data and remedial activities as they relate to RI collected data, within the RIR.

Response 6:
The Remedial Investigation Report will include a detailed description of the nature and extent of contamination at the Site. This description will be based on the newly collected data, as well as the historical data that exists for the Site and the relationship between the historical and newly collected data. It is anticipated that the relationship between the current and historical data may also be used for the Remedial Alternatives Analysis, especially when evaluating a natural attenuation alternative for selected areas of concern. It is understood that the NYSDEC has reviewed the historical data when the data was first submitted.

Comments Specific to Parcel A RIWP:

Comment 7:
Site Layout - Clarify the actual property boundary location with respect to the Mohawk River shoreline.

Response 7:
The property boundary for the ALCO Site is not directly related to the Mohawk River or the edge of the bank. Although the southern boundary of the Mohawk River is referenced by the description within the deed, the property line is a fixed location that is ultimately referenced by bearing and distance. This line was established through a series of Underwater Land Grants from the People of the State of New York to American Locomotive. Based on survey mapping and aerial imaging, the property line generally corresponds with the edge of the navigation season water line.

Comment 8:
Site Conceptual Model - The Site Conceptual Model is to be adjusted to reflect the potential of Parcel A to be impacting the Mohawk River until collected data can demonstrate that no impact has occurred.

Response 8:
The Conceptual Site Model presented in the RIWP was based on significant historical data that was collected during the many investigations that were performed at the Site since the early 1990's. These historical investigations have been previously submitted to the NYSDEC for review and comment. Based on the historical data, there have been no identified off-site impacts, nor is there evidence to suggest that a significant potential exists for on-going off-site impacts. As a result, there does not appear to be any rationale for updating the Conceptual Site Model that was presented in the RIWP. The response to Comment 9 provides additional information relative to the historical data that has been collected for the Site.

It should also be noted that any potential off-site impacts, other than groundwater migration, would only be occurring through the off-site transport of contaminated sediments. The surficial contaminants at the Site consist generally of PAH compounds and metals that are not readily soluble in water. Since the Site redevelopment activities will ultimately include bank river stabilization and improvements, and at a minimum, a containment remedy will be selected, any potential for continued off-site impacts will be addressed as part of the remedy, or the planned river bank stabilization and redevelopment. In short, site redevelopment will uniformly improve any historical conditions associated with the former industrial operations.

In addition to the above information, and based on NYSDEC regulations, a Volunteer in the BCP program is not responsible for off-site impacts. The property line generally corresponds to the navigation season water level and therefore, historic sediment impacts should not have to be addressed by the Volunteer.

Comment 9:
Fish and Wildlife Impacts Analysis (FWIA) - By not considering the potential off-site impacts in the river, the RIWP incorrectly concludes that there are no potential fish and wildlife impacts. If the bank soils or river sediments have been impacted by the site, then the potential for fish and wildlife is present. Steps I through IIB of an FWIA are to be conducted for Parcel A to evaluate fish and wildlife impacts from the site.

Response 9:
As noted previously and in the RIWP, the ALCO Site has been the subject of numerous environmental investigations since the early 1990's. From 1992 to 2011, there have been more than 30 investigation locations along the top of the bank, including soil borings and monitoring wells, Geoprobe borings, and surficial samples. Historically, this data has been presented to NYSDEC and has not demonstrated any significant impact to the Mohawk River, and/or fish and wildlife. The data presented to NYSDEC has not triggered any requirements under the previous Spill Response action, Site-related Consent Orders, or the recent Stipulation Agreement.

One of the historical reports that was previously submitted to the Department was the Perimeter Investigation Report that was prepared by Blasland Bouck & Lee Inc (BBL) in July 2000. This investigation included a series of soil boring and monitoring well installations around the perimeter of the ALCO Site. These locations were used to assess potential off-site impacts from the ALCO Site. In general, the Perimeter Investigation confirmed that there was no significant potential for off-site impacts from the Site.

In addition to the above information and based on NYSDEC regulations, a Volunteer in the BCP program is not responsible for off-site impacts. The property line generally corresponds to the navigation season water level and therefore, and sediment impacts should not have to be addressed by the Volunteer.

Comment 10:
Surface Soil Sampling - Identify two (2) transects of soil sampling locations placed along the bank of the Mohawk River and within ten (10) feet of the top of the bank. Locations are to be placed evenly along the transects except in "Area 1" where a higher density should be placed. Soil samples are to be collected at 0-6",6-12" and 12-24" intervals at each location. Additionally, all proposed soil sampling locations in Parcel A should include sampling in the 6-12" and 12-24" intervals. All analytes should be included in the sample analyses.

Response 10:

Refer to responses to Comments 8and 9. In addition, see DEC comment #5 in its RI WP letter of August 24, 2010 and the Kleinfelder response to the comment.

Comment 11:
Sediment Sampling Adjacent to Parcel A -Identify two (2) transects of sediment sampling locations placed along the toe of slope with the Mohawk River and twenty (20) feet from the toe of slope. All locations are to be sampled at 0-6",6-12" and 12-24" below sediment surface samples. All analytes, plus total organic carbon, are to be included in the sample analyses.

Upstream of Parcel A -To assist with data interpretation, at least ten (10) upstream sediment samples are to be collected. All locations should be sampled at 0-6", 6-12" and 12-24" below sediment surface samples. All analytes, plus total organic carbon, are to be included in the sample analyses.

Response 11:
Refer to response to Comment 9.

Comment 12:
Preferential runoff locations - A round of field observations should be conducted to determine areas of preferential run-off from the site into the Mohawk River. In any locations where run-off can be identified, soil and sediment samples should be collected, with the same depth intervals identified above.

Response 12:
A site visit will be made following a rainfall event to make field observations regarding preferential run-off from the site into the Mohawk River. The observations made during the site visits will be included and discussed in the RIR.

Comment 13:
Groundwater discharge - As information develops regarding the potential of groundwater plumes approaching the Mohawk River, samples are to be collected to determine if the plume is reaching and discharging to the River. This may involve sediment borings to collect data at depth.

Response 13:
An additional round of groundwater sampling is proposed for the on-site monitoring wells, including those wells located along the top of the bank adjacent to the Mohawk River. The sampling data will be used to evaluate the groundwater flow patterns at the site as well as the nature of remaining contamination and its potential impacts on the Mohawk River. Sediment and river sampling are not necessary to develop a remedial alternative relative to the on-site plume.

ATTACHMENT B
SITE SPECIFIC COMMUNITY AIR MONITORING PLAN

Community Air Monitoring Plan (CAMP)
Parcels A, B and C

Remedial Investigation
ALCO-Maxon Site
Schenectady, New York

The following Community Air Monitoring Plan (CAMP) will be implemented during the Remedial Investigation to be performed at all three parcels (Parcel A, Parcel B and Parcel C) at the ALCO-Maxon site in Schenectady, NY. Air monitoring will be conducted in general accordance with the New York State Department of Health (NYSDOH) *Generic Community Air Monitoring Plan (CAMP).* This CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, its intent is to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. It is noted that reliance on the CAMP shall not preclude simple, common-sense measures to keep VOCs and dust at a minimum around the work areas.

Depending upon the conditions encountered during the Remedial Investigation, air monitoring for volatile organic compounds (VOCs) and/or particulate levels will be necessary. All air monitoring will be conducted on a real-time basis using both hand-held field instruments and perimeter air monitoring stations (as needed). All air monitoring readings will be recorded in a logbook and made available for review.

The action levels specified herein may require increased monitoring, though it is noted that soil disturbance and thus the generation of VOCs and/or particulates during most activities associated with the Remedial Investigation will be minimal. Borings advanced as part of the investigation are generally small in diameter and will not generate significant spoils. In addition, soil and groundwater sampling is expected to generate minimal, if any, VOC readings and/or fugitive dust. The installation of test pits, however, may generate VOC readings and/or fugitive dust. As such, the following monitoring plan will be implemented.

Organic Vapor Monitoring

Based on the nature of the Site contaminants, it is anticipated that organic vapors may be emitted during Remedial Investigation activities at the ALCO-Maxon Site. As a result, organic vapors will be monitored on either a continuous basis or as otherwise specified when the potential for VOC emissions exist.

Continuous monitoring for VOCs will be performed for all ground intrusive activities. Ground intrusive activities include, but are not limited to, test pit installation and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. Periodic monitoring during sample collection will consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) will be monitored in the immediate work area (i.e., the exclusion zone) on a continuous basis during intrusive activities. Upwind concentrations shall be measured and recorded at the start of each workday and periodically thereafter to establish background conditions.

The monitoring work shall be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment should be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below:

- If the ambient air concentration of total organic vapors at the downwind perimeter of the exclusion zone (25 foot radius around the active work area) exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued.
- If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring. If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.
- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.

All 15-minute readings will be recorded and be available for State (DEC and DOH) personnel to review. Instantaneous readings, if any, used for decision purposes shall also be recorded.

Particulate Monitoring

Dust emissions may occur at the project site during intrusive activities. The only proposed intrusive activity at this time includes the installation of test pits.

Particulate Monitoring, Response Levels, and Actions

During the installation of test pits, particulate concentrations shall be monitored continuously at the upwind and downwind perimeters of the exclusion zone (25 foot radius around the active work area) at temporary particulate monitoring stations. Monitoring will be conducted continuously using a real-time monitoring device capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment will be equipped with an audible alarm to indicate exceedance of the action levels. The following action levels will be used:

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques will be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area. The following dust suppression techniques should be considered for controlling the generation and migration of dust during test pit installation:

    - Wetting equipment;
    - Covering test pit areas and material after excavation activity ceases; and
    - Reducing the excavation size and/or number of active excavations.

- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work will be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

All fifteen minute readings will be recorded and will be available onsite for State (NYSDEC and NYSDOH) personnel to review.

VIA FED EX

November 2, 2010

Mr. John Strang
Department of Environmental Conservation
Division of Environmental Remediation
1130 North Westcott Road
Schenectady, NY 12306

Re: Remedial Investigation Work Plan (RIWP) Response to Comments Resolution
ALCO-Maxon Site Parcels A, B, and C (BCP #C447042, C447043, and C447044, respectively), Schenectady, New York
KLF Project # 107121

Dear Mr. Strang:

On September 24, 2010, Kleinfelder, Inc. (KLF) sent to the New York State Department of Environmental Conservation (NYSDEC) a letter responding to comments on the draft Remedial Investigation Work Plans (RIWPs) for Parcels A, B, and C (BCP #s C447042, C447043, & C447044, respectively). Subsequently, during our on-site meeting with the New York State Department of Health (NYSDOH) on October 10, 2010, you informed KLF that the September 24 response letter resolved all fourteen original comments, save #10. As we discussed, it became clear that outstanding item #10, which concerned the requirement of sampling (soil borings, groundwater monitoring wells, and vapor sampling points) below the foundations of on-site buildings, as we discussed, could be resolved with sub-slab investigation sampling (after demolition of the buildings) as follows:

- Parcels A &B Building 320 – 4 borings
- Parcel C Building 332 – 3 borings

Therefore, KLF discussed this proposed revision of the RIWP technical approach with the Volunteer Maxon Holdings, LLC.

Now, KLF proposes amending the RIWPs for the three parcels as discussed below and as shown on the revised Plate 4 attached hereto. The discussion in this letter supplements the discussion in §4.2.2 of each respective work plan.

Soil borings will be advanced through the remnant slab foundations of Buildings 320 and 332 at the locations indicated on Plate 4 (see attached). This work will proceed once each building undergoes demolition and is cleared as safe. Using a utility locating/geophysical method, each boring location will be cleared. Subsequently, the concrete slab will be cored and the area below the slab screened using a photo ionization detector for volatile organics, as well as inspected visually. Next, the boring will be advanced using a Geoprobe™ unit with a macrocore® sampling tool.

The resulting soil cores will be sampled continuously between the depths of 0.75 feet and approximately 12 feet below ground surface [bgs] or whenever groundwater is encountered. The recovered soil cores will be geologically logged, as well as inspected (visually and for volatile organics) per the procedures discussed in Section 4.2.2 in the RIWPs.

Soil samples (when collected, at least one per boring) will be submitted for laboratory analysis and reporting of the full Target Compound List and Target Analyte List (TCL/TAL), as well as the first thirty Tentatively Identified Compounds (TICs).

If petroleum residuals or non-aqueous phase liquid (NAPL) is observed in the boring or recovered soils, then a monitoring well may be installed pending discussion with the NYSDEC.

With this submittal, KLF is of the opinion that all comments in NYSDEC's letter of 24 August have been addressed and the RIWP for each parcel updated accordingly. Therefore, on behalf of Maxon ALCO Holdings, LLC, KLF requests approval of the RIWPs for Parcels A, B, and C. Should you have any questions or desire additional information, please call us at 860-683-4200.

Sincerely,
Kleinfelder, Incorporated

Kurt A. Frantzen, PhD, CHMM
Project Manager

David C. Raymes
Vice President

Enclosures – Plate 4 – Parcels A, B, C (2 of each – total of 6), One CD

CC
R Cozzy, NYSDEC (letter only)
R Ostrov, NYSDEC, Reg 4 (letter only)
K Goertz, NYSDEC, Reg 4 (letter only)
C O'Neill, NYSDEC, Reg 4 (letter only)
A DeMarco, NYSDOH (one copy of Plate 4)
D Croswell, CDR (letter only)
A Suflita, SCHD (letter only)
D Buicko, ALCO-Maxon (one copy of Plate 4)
S Porter, ALCO-Maxon (one copy of Plate 4)
D Sommer, Young Sommer (one copy of Plate 4)
W Brucker, Schenectady County Public Library (three copies of Plate 4)

Limitations

This work was performed in a manner consistent with that level of care and skill ordinarily exercised by other members of Kleinfelder's profession practicing in the same locality, under similar conditions and at the date the services are provided. Our conclusions, opinions, and recommendations are based on a limited number of observations and data. It is possible that conditions could vary between or beyond the data evaluated. Kleinfelder makes no other representation, guarantee, or warranty, express or implied, regarding the services, communication (oral or written), report, opinion, or instrument of service provided.

This report is submitted to the State on behalf of, and may be used only by, the Client and the registered design professional in responsible charge and only for the purposes stated for this specific engagement within a reasonable time from its issuance, but in no event later than two (2) years from the date of the report.

The work performed was based on project information provided by Client. If Client does not retain Kleinfelder to review any plans and specifications, including any revisions or modifications to the plans and specifications, Kleinfelder assumes no responsibility for the suitability of our recommendations. In addition, if there are any changes in the field to the plans and specifications, Client must obtain written approval from Kleinfelder's engineer that such changes do not affect our recommendations. Failure to do so will vitiate Kleinfelder's recommendations.

LEGEND

- PROPERTY BOUNDARY
- BCP SITE BOUNDARY
- GRID FOR SOIL VAPOR SAMPLING
- D184 LIFT STATION WITH DRAINAGE STRUCTURE NUMBER
- M.H. MANHOLE (M.H.)
- C.B. CATCH BASIN (C.B.)
- B31 MANHOLE WITH DRAINAGE STUCTURE NUMBER
- B32 CATCH BASIN WITH DRAINAGE STRUCTURE NUMBER
- PROPOSED TESTPIT LOCATION
- PROPOSED VAPOR POINT LOCATION
- PROPOSED SOIL BORING LOCATION
- PROPOSED SURFACE SOIL SAMPLE LOCATION (SS)
- PROPOSED MONITORING WELL (MW)
- OW-2 MONITORING WELL (MW)
- TMW-6 TEMPORARY MONITORING WELL (TMW)
- RW-01 RECOVCERY WELL
- P-2 PIEZOMETER
- DB-18 GEOPROBE BORING
- SS-5 SURFACE SOIL SAMPLE LOCATION (SS)
- SB-2 SOIL BORING LOCATION

AREA DEFINITIONS

- BUILDINGS/STRUCTURES
- HB FORMER BUILDINGS (PREVIOUSLY DEMOLISHED)
- "EVI" PARCEL
- "RPI" PARCEL
- OTHER PROPERTIES NO PART OF SITE
- REMEDIATION AREA
- FORMER UST/AST LOCATIONS
- PROPOSED GROUND PENETRATING RADAR LOCATIONS

120 60 0 120
SCALE (feet)

NOTES:

1) BASE MAPPING PREPARED BY ABD ENGINEERS & SURVEYORS FROM A FEBRUARY 1988 FIELD SURVEY, UPDATED TO NOVEMBER 1999.

2) SURVEY SHOWN IS SUBJECT TO ANY SUBSURFACE EASEMENTS, RESTRICTIONS OR CONDITIONS THAT EXIST, IF ANY.

3) UNDERGROUND UTILITIES ARE SHOWN FROM FIELD LOCATION IF POSSIBLE. OTHERS ARE SHOWN FROM RECORD DATA. THEIR EXACT LOCATION MAY BE DIFFERENT FROM THAT AS SHOWN AND OTHERS MAY EXIST.

4) THIS SURVEY HAS BEEN PREPARED IN ACCORDANCE WITH THE CODE OF PRACTICE FOR LAND SURVEYS ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS AS LAST REVISED JANUARY 1993.

5) BEARINGS BASED UPON MAP REFERENCE NO. 1.

6) THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN UP TO DATE ABSTRACT OF TITLE OR TITLE REPORT AND IS SUBJECT TO ANY STATEMENT OF FACT THAT SUCH ABSTRACT OF TITLE OR TITLE REPORT MAY REVEAL.

MAP REFERENCE:

1) "SURVEY OF LANDS, ALCO LOCOMOTIVE, INC., CITY OF SCHENECTADY, COUNTY OF SCHENECTADY", DATED MARCH 1970, AS PREPARED BY C.T. MALE ASSOCIATES.

2) "A SUBDIVISION OF A PORTION OF LANDS OF SCHENECTADY INDUSTRIAL CORPORATION", DATED JUNE 30, 1988, AS PREPARED BY THE ENVIRONMENTAL DESIGN PARTNERSHIP.

3) "SITE PLAN, PROPOSED C & D RECYCLING FACILITY, NOTT STREET INDUSTRIAL PARK", DATED FEBRUARY 1995, AS PREPARED BY INGALLS SMART ASSOCIATES.

SOURCE:

1) ABD ENGINEERS AND SURVEYORS FEBRUARY 1988, REVISED NOVEMBER 1999.

2) HISTORIC BUILDING (HB) LOCATIONS BASED ON A "FUEL OIL PIPING" PLAN, PREPARED FOR AMERICAN LOCOMOTIVE CO., REVISED AUGUST 22,195.

KLEINFELDER Bright People. Right Solutions. www.kleinfelder.com	PROJECT NO. 107121 DRAWN: 11/01/2010 DRAWN BY: CTH/JDS CHECKED BY: KAF/MM/SP FILE NAME: 107121RIWPSEP10.dwg	**PROPOSED INVESTIGATION WORK PLAN SAMPLE LOCATIONS** YOUNG-SOMMER/MAXON ALCO-MAXON SITE SCHENECTADY, NEW YORK	PLATE **4**

REMEDIAL INVESTIGATION

WORK PLAN

Parcel A of the

ALCO-Maxon Site

(Formerly a.k.a. Nott Street Industrial Park)

Prepared on behalf of: BCP Applicant:
Maxon-Alco Holdings, LLC
301 Nott Street
Schenectady, New York

Prepared By:
Kleinfelder, Inc.
99 Lamberton Road, Suite 201
Windsor, Connecticut 06095

September 24, 2010

This bound report:

REMEDIAL INVESTIGATION WORK PLAN
for Parcel A of the
ALCO-Maxon Site (a.k.a. Nott Street Industrial Park)

was prepared, reviewed, and approved by:

Technical Author

Anna M. Smith
Senior Project Geologist

Technical Reviewer

Kurt A. Frantzen, PhD, CHMM
Senior Principal Scientist

Principal-in-Charge

David C. Raymes
Vice President

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Acronym List

ALCO: American Locomotive Company
AOC: Area of Concern
AST: Aboveground Storage Tank
BBL: Blasland, Bouck & Lee, Inc.
BCP: Brownfield Cleanup Program
COPCs: Constituents of Potential Concern
CSM: Conceptual Site Model
DUSR: Data Usability Summary Report
FWRIA: Fish and Wildlife Resource Impact Analysis
GE: The General Electric Company
GSC: Geologic Services Corporation
HASP: Health and Safety Plan
RIWP: Remedial Investigation Work Plan
KLF: Kleinfelder, Inc.
LNAPL: Light Non-Aqueous Phase Liquid
NYSDEC: New York State Department of Environmental Conservation
NYSDOH: New York State Department of Health
PAHs: polycyclic aromatic hydrocarbons
PCBs: polychlorinated biphenyls
REC: Recognized Environmental Condition
SIC: Schenectady Industrial Corporation
SRS: Sensitive Receptor Survey
SVOC: Semi-Volatile Organic Compound
TCL/TAL: total contaminant list and total analyte list
USEPA: United States Environmental Protection Agency
UST: Underground Storage Tank
VOC: Volatile Organic Compound
Works: Schenectady Locomotive Works
Y-S: Young/Sommer, LLC

1.0 Introduction and Purpose

Kleinfelder, Inc. (KLF) prepared this Site Investigation and Phase II Work Plan (or remedial investigation work plan [RIWP] to accompany the BCP Application of Maxon ALCO Holdings, LLC (MAH, or the Client). MAH plans to implement a remedial action program and then to redevelop the property referred to as ALCO-Maxon Parcel A (or Parcel A), which is located on the northern (river front) portion of the ALCO-Maxon Site (which will be referred to herein as the Site). The entire Site (which includes three separate large parcels: A, B, and C), was formerly known as the Nott Street Industrial Park, is located at Nott Street and Erie Boulevard in the City of Schenectady, New York (as shown on Figure 1).

KLF, on behalf of the Applicant, has evaluated the existing contaminant data with regard to Parcel A. KLF respectfully suggests that Parcel A is fully eligible for investigation and remediation under the New York State Brownfield Cleanup Program ("BCP"). This RIWP is submitted together with a BCP Application by MAH as a "Volunteer" to the New York State Department of Environmental Conservation ("NYSDEC") BCP.

Parcel A includes several complete tax lots of land and a portion of a tax lot with City and County of Schenectady Real Property tax lot numbers summarized below and shown on Plate 1:

- Lot 39.41-1-1.1 (a.k.a. Parcel 324),
- Lot 39.41-1-1.2 (a.k.a. Parcel 322),
- Lot 39.41-1-2 (a.k.a. Parcel 346),
- Lot 39.41-1-3 (a.k.a. Parcel 344), and
- The northwestern portion of Lot 39.49-2-1.311.

The general purposes of this proposed RIWP are to:

- Supplement the historic investigations that have been conducted on the Site,
- Further identify source(s) of contamination,
- Define the nature and extent of that contamination,
- Assess the impact of contamination on public health or the environment, and
- Provide information for the development and selection of a remedial work plan across all parcels (A, B and C) that make up the Alco property.

Upon completion of the RIWP, KLF will be in a position to submit a Final Site Investigation Report for Parcel A, along with an Alternatives Analysis for Parcel A.

As described elsewhere (see §2.3), the entire Site, including Parcel A, has been the subject of considerable investigation and environmental remedial activity over the last two decades. This RIWP presents the proposed additional investigative steps required to identify and evaluate existing data gaps in the environmental knowledge base for Parcel A of the Site, to delineate the nature and extent of contamination and assess the potential impact to public health and environment. Additionally, the proposed investigation will provide data required for the evaluation of remedial options and the selection of remedial action programs for consideration by the NYSDEC.

The identification and assessment of current data gaps includes further delineation of surface soil, subsurface soil, groundwater, and characterization of soil vapor quality. The proposed plan includes the installation of additional on-site test pits and soil borings with soil sampling for appropriate constituents, additional on-site groundwater monitoring well installation/sampling for appropriate constituents, and on-site soil vapor characterization.

This RIWP includes a description of Parcel A (§2), presents the objectives of the remedial investigation (§3), summarizes the proposed scope of work (§4), and proposes a schedule and reporting framework (§5), consistent with the requirements under the BCP.

2.0 Site History and Description

2.1 Description

Parcel A may be described as follows:

Parameter	Information/Comments
ADDRESS	301 Nott Street, Schenectady, New York
LOCATION	42°49'29.25" North, 73°56'2.28" West
COUNTY Schenectady	County
ASSESSOR'S PARCEL NOs.	39.41-1-1.1, 39.41-1-1.2, 39.41-1-2 , 39.41-1-3, and the northwestern portion of 39.49-2-1.311 See Plate 1
LEGAL DESCRIPTION	See Plates 1 and 2
ACREAGE	Approximately 19.5 acres
ZONING C-3,	Waterfront Development District

Figure 1 is site locus map based upon the applicable USGS 7.5 minute topographic quadrangle map. Plate 2 presents a detailed layout, including buildings and infrastructure of the Site, including Parcel A and its relationship to Parcels B and C.

Parcel A has various structures and/or improvements observed (See Plate 2):

Parameter	General Observations
STRUCTURES	Six large and mid-sized buildings
IMPROVEMENTS	Asphalt parking areas Public Water Electrical Service Sewerage

2.2 Historic Use of the Site and Adjoining Properties

2.2.1 Historic Use

The Schenectady Locomotive Engine Manufactory initially developed a portion of the existing Park in 1849. In 1851, the company changed its name to Schenectady Locomotive Works (Works) and continued to develop the Site. Although an 1866 fire destroyed most of the main buildings, the Works continued to rebuild and develop the land. In 1901, the Works merged with several other companies to form the American Locomotive Company (ALCO). ALCO manufactured steam locomotives until 1946, when manufacturing of diesel-electric locomotives began. During World War II, ALCO also produced battlefield tanks, marine boilers, and other war-related equipment. By 1948, ALCO was manufacturing only diesel-electric locomotives. A new multi-million dollar centralized diesel locomotive construction facility was built in 1958. The production of diesel locomotives continued until 1969, when ALCO closed, terminating 121 years of locomotive manufacturing in Schenectady. Schenectady Industrial Corporation (SIC) purchased the Park in 1971.

The General Electric Company (GE) occupied the Park from 1971 to 1985. Small industrial, manufacturing and fabrication companies have occupied various buildings within the Park since 1985, when GE began to release buildings back to SIC.

In 2010, after purchasing the property, Volunteer MAH divided the Property into three parcels, Parcel A, Parcel B and Parcel C (see Plate 2). Again, this Work Plan is focused on Parcel A. The other two parcels are addressed as separate BCP sites.

A Site Building Description History for the Alco-Maxon Site is provided as Exhibit 1 to this document.

2.2.2 Abutters

The current abutting properties include the following:

Direction	Land Use Description
NORTH	Mohawk River
SOUTH	Parcel B, beyond which is Industrial/commercial
EAST	Industrial/commercial
WEST	Industrial/commercial, residential within 0.25 miles down Front Street.

2.3 Previous Investigations

The attached exhibits (Appendix A) summarize previous investigations, underground storage tank (UST) removal assessments, and remedial activities at the site. The Final Investigation Report ("FIR") will incorporate these previously performed activities and their findings and results. These prior site investigation and remediation activities provide a firm foundation for the development of this final Investigation Work Plan to be implemented across Parcel A. See Appendix A for details.

2.4 Review and Interpretation of Pertinent Environmental Data

A review of the pertinent environmental data pertaining to this site led to the development of a Conceptual Site Model (CSM, Plate 3, described in the next section) which addresses known source areas and current data gaps. The CSM also includes a tabulation of Recognized Environmental Conditions at the Site. The REC table identifies a variety of data gaps, which are to be filled through the completion of the investigation proposed herein. The AOCs and RECs pertaining to Parcel A are listed below. For details of AOCs and RECs, which were identified in reports for the entire former ALCO site, see Appendix A.

Parcel	REC #	REC Description
A 1		Parcel 324 & A43/College Creek Outfalls
A	10	River - Bank / Sediment
A	20A	Building 320 UST
A	20B	Building 320 AST
A 21		Building 322
A 22		Building 324
A 23		Buildings 326/328
A 33		Building 344
A 34		Building 346
A & B	2	Parcel 322 & Building 320 Waste Tank
A & B	9A	PCB Removal
A & B	19	Building 320
A, B & C	6	Chlorinated Solvent Plume
A, B & C	8 EVI	Parcel
B 9B		Mercury Removal
B 15		Building 308
B	16	Building 308 UST
B 18		Building 318
B 30		Building 340
B 31		Building 342
B	32	Building 342 AST
C	3	Building 332 Former Fuel Oil UST
C	4	Building 332 Former Fuel Oil USTs
C 5		Site Entry Area, Parcel 304 & Parcel 306
C	7	Erie Blvd. Substation Area
C 11		Building 300
C 12		Building 304
C	13	Building 304 UST
C 14		Building 306
C 17		Building 316
C 24		Buildings 330/Addition
C 25		Building 332
C 26		Building 334
C 27		Building 336
C	28	Building 336 UST
C 29		Building 338

3.0 Objectives of Current Investigation

3.1 Qualitative Exposure Assessment

A preliminary qualitative exposure assessment for the site was prepared, resulting in a CSM (Plate 3) and REC Table (Appendix A). This assessment included identifying former, existing and potential contaminant sources, potential points and routes of exposure, completing a sensitive receptor survey (SRS) and demonstrating the release fate and transport mechanisms. The investigation work plan will incorporate the previously compiled discussion of the qualitative exposure assessment.

Using the available data and information, KLF prepared a CSM. The purpose of conceptual models is to provide a clear spatial understanding of the Site and immediate area to aid the identification of actual or potential contaminant sources, to present the current understanding of potential environmental transport pathways, to help in the identification of possible human and ecological receptors of hazardous substances, and insight into possible complete routes of exposure. Plate 3 presents the CSM for the Site and shows:

- The Site, which due to its general historical land use is considered potentially impacted by the former release of petroleum or other chemical constituents in soil, soil gas, and groundwater, as well as certain building components.
- Environmental Transport Pathways for possible Constituents of Potential Concern (COPCs).
- Possible (human) Receptors and the potential Exposure Routes.

The long history of industrial activity at the Site resulted in generalized soil impacts, and certain former aboveground storage tanks (ASTs) and USTs, among other on-site and off-site activities, resulted in the contamination of both soils and groundwater at the site.

Possible human receptors of site-related contamination include:

- On-Site Workers and/or Visitors/Trespassers—may potentially be exposed to potentially contaminated surface soils, soil vapor, groundwater seeps, and hazardous building materials.
- On-Site Workers (construction and/or utility)—due to the general subsurface soil contamination, as well as possible contamination associated with buried infrastructure (such as power lines, pipes, and sewers).

3.1.1 Area of Concern

The New York State Department of Environmental Conservation (NYSDEC) defines areas of concern (AOCs) as:

> *[A]ny existing or former location(s) where hazardous substances, hazardous wastes, or petroleum are or were known or suspected to have been discharged, generated, manufactured, refined, transported, stored, handled, treated, released, disposed, or where hazardous substances, hazardous wastes, or petroleum have or may have migrated.*

As many as six AOCs have been defined previously for the Site consisting of Parcels A, B and C; however, based upon the available data, soils and groundwater across the entire Site could be considered of concern. The previously identified AOCs included possible soil, groundwater, and/or soil vapor contamination.

The AOCs which specifically pertain to Parcel A include AOC-1 and AOC-2 which are areas originally defined as petroleum impacted, and AOC-6, which is an area suspected of chlorinated solvent impact. See Plate 3 for location details regarding these AOCs. The RECs which specifically pertain to Parcel A include RECs 1, 2, 6, 8, 9A, 10, 19, 20A, 20B, 21, 22, 23, 33 and 34. A detailed description of these RECs is included in Appendix A.

3.1.2 Exposure Assessment

A public health exposure assessment qualitatively considers the potential for people to be exposed to contaminants originating from the Site. According to the New York State Department of Health (NYSDOH), as cited in Appendix 3B of NYSDEC's DER-10 Guidance, 2002, there are five elements necessary to have a complete Exposure Pathway:

- A contaminant source, such as waste disposal areas;
- A contaminant release and transport mechanism, which might carry contaminants from the source to points where exposure may occur;
- A point of exposure, where actual or potential human contact with contaminated media may occur;
- A route of exposure (inhalation, ingestion, absorption); and
- A receptor population, such as people who could be exposed to the contaminants at the point of exposure.

Decisions regarding the existence of exposure pathways are based upon the following:

- An exposure pathway, as defined, exists when each element exists.
- A potential exposure pathway exists when one or more of the elements are not fully known, but the others are present and identifiable.
- An exposure pathway does not exist when one of the five elements does not exist, has not existed in the past, and will not exist in the future.

The following discussion analyzes the potential for exposure pathways to exist at this site.

3.1.3 Contaminant Source

Chemical constituents within soils and groundwater at the Site are the result of long-term industrial and urban activity at and around the site. The majority of the constituents are derived from petroleum products, oils, and lubricants, various heavy metals used in industrial process, and, in a limited area, chlorinated solvents. These constituents were released to the environment either during normal operations leaks and spills, leaking tanks (above ground or underground), or from large spills or tank releases from off-site that entered the Site via buried municipal infrastructure such as sewers or its bedding.

3.1.4 Sensitive Receptor Survey

Sensitive receptor information was collected in late 2009 by KLF for the Site. Within 1 mile of the Site, the estimated population is 13,489 persons; additionally, there are:

Type	Within 1 Mile Radius
Day Care Centers	Yes
Medical Centers	No
Nursing Homes	Yes
Schools	Yes
Hospitals	Yes
Colleges	Yes
Arena	No
Prison	No

On-site receptors are typically workers, visitors, or trespassers. There are no data establishing an off-site exposure threat associated with contaminants on the site.

3.1.5 Release/Transport Mechanisms

The following release/transport mechanisms have been identified for the Site that are relevant to Parcel A:

- Former tank/piping release—there is sufficient data to suggest that both off-site and on-site former tanks leaked resulting in petroleum fuel releases into the subsurface on the site.
- Migration from Soil into Groundwater—the available data indicate that soils near these tanks became saturated allowing product to flow through the soil to groundwater under the site.
- Migration along buried infrastructure—the available data support the conclusion that leaked fuels flowed within sewers or their bedding from off-site as well as on-site through the site traveling east to west.
- Migration of Contaminated Groundwater—data indicate migration of contaminated groundwater has occurred on the Site, consistent with groundwater flow towards the Mohawk River.
- Volatilization into Air—the potential for volatile organic compounds (VOCs), such as the chemicals observed in soil or groundwater, to volatilize into soil gas and then into either ambient air or intrude into indoor air at buildings on-site.

Based on a review of the release/transport mechanisms, the potential exists for groundwater migration and volatilization of chlorinated solvents into air, as well as impacts along various types of buried infrastructure (sewers and piping) on Parcel A.

3.1.6 Points of Exposure

The following have been identified as the potential points of exposure on the site:

- Use of Potable Water—the site and surrounding areas are served by public water. It does not now appear that drinking water is a point of exposure. The primary down-gradient issue is the river but there is no data reflecting an adverse impact associated with the site on surface water quality.

- Construction—disturbance of subsurface soils will likely be performed in the upper 7-feet of surface soils. The concentrations detected in soils vary across the site and at depths varying from near surface down to 20 feet bgs. There is potential for exposure to workers generally at the site, and potential when working on or about former ASTs and USTs, as well as buried infrastructure such as piping and sewers.
- Volatilization of Groundwater Contamination—groundwater measurements made during prior investigations indicate a water table 10 feet bgs or less. The potential for volatilization exists, although it remains unmeasured.

In summary, there appears to be complete exposure pathways present within Parcel A in various locations, as well as potential exposure pathways.

3.1.7 Routes of Exposure

The following have been identified as the potential routes of exposure:

- Ingestion of Contaminated Groundwater—is unlikely because no down-gradient receptors are identifiable and the site is serviced by municipal water and sewer.
- Inhalation of VOCs from Soil Vapor—is possible in and around those areas with known subsurface areas with subsurface contamination.
- Incidental Ingestion and Absorption through Dermal Contact of on-site Contaminated Soils and Groundwater—contact with soil is not a route of exposure for routine commercial workers because shallow soils are generally not contaminated. Dermal contact with soil during intrusive construction (utility or subsurface) is probable. Dermal contact with groundwater (about 7-12-feet bgs on Site, as shallow as approximately 15-feet bgs off site) is possible during normal construction related activities.

In summary, there appears to be several routes of potential exposure in Parcel A via incidental ingestion and dermal contact to subsurface soil or groundwater and/or inhalation of fuel-related VOCs, and, in certain areas because of migration from Parcel C of the site, chlorinated solvent VOCs.

3.1.8 Receptor Population

The receptor population consists of commercial personnel and construction (utility, etc.) personnel conducting intrusive activities on Parcel A.

3.1.9 Conclusion

Based on a review of the above elements, a complete exposure pathway exists for direct soil exposure and soil vapor while on Parcel A. Potentially complete exposure pathways exist for groundwater and soils across Parcel A where intrusive investigation or construction activities will be conducted.

Asbestos, lead based paint and other hazardous materials associated with the buildings on the Site are of a concern and known to exist. These materials are to be abated in concert with the demolition of the buildings and therefore are not addressed within this RIWP. A demolition work plan will be submitted to the NYSDEC if such work is conducted after Parcel A is accepted into the BCP.

3.2 Fish and Wildlife Resource Impact Analysis

The NYSDEC normally requires the completion of the first component (i.e., Resource Characterization) of a Fish and Wildlife Resources Impact Analysis (FWRIA, see §3.10.1 of NYSDEC 2002). The purpose of the analysis is to identify actual or potential impacts to fish and wildlife resources from Site contaminants of ecological concern. The first step of the Resource Characterization is completion of the Agency's FWRIA Decision Key (see Appendix 3C of NYSDEC's DER-10 Guidance, 2002). KLF completed the Decision Key below (see the next page; decision key answers are in

BOLD). Based on the available data and land use, especially the lack of off-site impacts, KLF concludes that a FWRIA need not be undertaken.

3.3 Objectives

KLF understands that MAH anticipates entering into three BCP Agreements with NYSDEC in 2010, one for each distinct development parcel (A, B, and C). Under the BCP, Parcel A (as well as the other development parcels) will go through several stages, coordinated with the overall investigation, remediation, and redevelopment of the Site, and these stages include the following:

- *Application*—Prepare necessary documentation required under the BCP
- *IWP*—Submit to NYSDEC for approval an Investigation Work Plan to fill in remaining data gaps. [See Section 4 below]
- *Investigation*
  - Complete investigation activities and submit report[s] to NYSDEC for approval
  - Identify, plan, and perform Interim Remedial Measures (IRM) if necessary, applicable, and approved by the NYSDEC
- *Remedy Selection*
  - Based upon investigation results, an approach to remedying the contamination will be developed in consultation with NYSDEC. An Alternatives Analysis will be prepared and the Volunteer will recommend for DEC consideration remedial programs for each parcel/BCP site.
  - Submit Final Remediation Work Plans for NYSDEC approval

§3.3 continues on the page following the
Fish and Wildlife Resources Impact Analysis Decision Key

Fish and Wildlife Resources Impact Analysis Decision Key

1. Is the site or area of concern a discharge or spill event? If "YES" go to: 13 If "**NO**" go to: **2**
2. Is the site or area of concern a point source of contamination to groundwater that will be prevented from discharging to surface water? Soil contamination is not widespread, or if widespread, is confined under buildings and paved areas. If "YES," go to 13; If "**NO**," go to **3**
3. Is the site, and all adjacent property, a developed area with buildings, paved surfaces and little or no vegetation? If "**YES**," go to **4,** If "NO" go to 9
4. Does the site contain habitat of an endangered, threatened, or special concern species? If "YES," go to PRC, If "**NO**," go to 5
5. Has the contamination gone off site? If "YES," go to 6, if "**NO, there are no data that reflect off-site impact associated with site contaminants**" go to 14
6. Is there any discharge or erosion of contamination to surface water or the potential for discharge or erosion of contamination? If "**YES**", go to **7,** if "NO," go to 14
7. Are the site contaminants polychlorinated biphenyls (PCBs), pesticides or other persistent, bioaccumulable substances? If "YES" go to: PRC If "**NO**" go to: **8**
8. Does contamination exist at concentrations that could exceed SCGs or be toxic to aquatic life if discharged to surface water? If "YES, for some on-site detections" go to: PRC If "**NO, there are no data that reflect off-site impact associated with site contaminants**" go to: **14**
9. Does the site or any adjacent or downgradient property contain any of the following resources?

    a) Any endangered, threatened, or special concern species or rare plants or their habitat
    b) Any State designated significant habitats or rare State Ecological Communities
    c) Tidal or freshwater wetlands
    d) Stream, creek or river
    e) Pond, lake, lagoon
    f) Drainage ditch or channel
    g) Other surface water feature
    h) Other marine or freshwater habitat
    i) Forest
    j) Grassland or grassy field
    k) Parkland or woodland
    l) Shrubby area
    m) Urban wildlife habitat
    n) Other terrestrial habitat

    If "YES" go to: 11 If "NO" go to: 10
10. Is the lack of resources due to the contamination? If "YES" go to: PRC If "NO" go to: 14
11. Is the contamination a localized source which has not migrated and will not migrate from the source to impact any on-site or off-site resources? If "YES" go to: 14 If "NO" go to: 12
12. Does the site have widespread soil contamination that is not confined under and around buildings or paved areas? If "YES" go to: PRC If "NO" go to: 13 NO
13. Does the contamination at the site or area of concern have the potential to migrate to, erode into or otherwise impact any on-site or off-site habitat of endangered, threatened or special concern species or other fish and wildlife resource? (See #9 for list of potential resources. Contact appropriate agency for information regarding endangered species.) If "YES" go to: PRC If "NO" go to: 14 NO
14. No Fish and Wildlife Resources Impact Analysis needed.

- *Construction*
  - o Implement active remediation measures, which may include:
    - Remove and remedy remaining USTs and ASTs and surrounding, impacted soils
    - Remediate other source soils, to the extent necessary
    - Treat areas with light non-aqueous phase liquid (LNAPL)
    - Treat the chlorinated solvent plume
    - Integrated geotechnical cap and foundation system(s)
  - o Submit appropriate Site Management Plan(s) [SMP] and Final Engine ering Report(s) [FER] for NYSDEC approval
  - o Complete construction and create/reco rd institutional controls/engineering controls (IC/EC) programs and Environmental Easement[s]
- *Liability Releases and Operation, Monitoring, and Maintenance (OM&M)*
  - o NYSDEC issues Certificates of Completion
  - o Perform supplemental monitoring and IC/EC as needed

3.4 Goals

The goals of the Final RIWP proposed herein include:

1. Filling of remaining data gaps with res pect to contamination of soil, soil gas, and groundwater media within Parcel A, and
2. Delineation of impacts to the underground infrastructure within Parcel A.

4.0 Proposed Scope of Work

The scope of work focuses on environmental contaminant conditions within Parcel A. Note: KLF is not recommending further investigation of background soil or off-site surface water or sediments as part of this assessment.

4.1 Buildings

As part of the redevelopment of the Site, the Volunteer intends to perform an ACM / hazardous materials survey that will include ACM, LBP, HBM, and liquids/solids sampling (within buildings). Further, KLF understands that abatement will occur should, as anticipated, ACM, LBP, or HBM be discovered. Such a course of action is necessary to advance the re-development of the Site. In the event that this building-related work is performed after the submission of the BCP Application, the Volunteer expects to submit a building demolition work plan to the NYSDEC for review and approval, most likely as an Interim Remedial Measure ("IRM").

4.2 Soil and Groundwater Assessment

Despite almost 18 years of assessment and monitoring and the large amount of available data, KLF recommends additional assessment of surface and subsurface soils, as well as groundwater, to fill-in data gaps and clarify current groundwater quality conditions.

4.2.1 Surface Soil Assessment

The Parcel A RI will include an updated survey of surface soil conditions across Parcel A, which will include the collection of approximately nine (9) soil samples, which would be analyzed for the full Total Compound List (TCL) and first thirty Tentatively Identified Compounds (TICs), and Total Analyte List (TAL) metals. A map (Plate 4) showing the anticipated locations of these soil samples is attached hereto.

4.2.2 Subsurface Soil Assessment

Because of known historic conditions, four areas on the Site, and the main portion of the Site, have known data gaps concerning subsurface conditions and associated sewer lines that transect Parcel A, namely:

- **Area 1—**it is necessary to inspect Manhole A-1 (between Buildings 326 and 324), which lies along and is immediately upgradient of the A43 outfall (which is very near to the College Creek outfall). In addition, Monitoring well MW-45 occasionally has observable product in it, and is upgradient of the (former) A46 Outfall. KLF recommends this investigation (via a test pit) because a former waste oil/wash water AST was present in Building 320 near this location.
- **Northern Tip of Area 6—**Area 6 is a chlorinated solvent plume running from Erie Boulevard (MW-19) beneath Building 332, towards the Mohawk River (MW-51), the portion closest to the Mohawk River is within the boundary of Parcel A. KLF recommends advancing two soil borings and installing groundwater monitoring wells further downgradient from MW-51, to evaluate the groundwater quality nearer to the river. This would include adding a deeper (approximately 65 ft bgs) nested pair with the existing shallow MW-25.

Much of this work would involve the use of a backhoe to place test pits and visual inspection of the soils, groundwater (if present) and structures (if present), along with limited sampling of subsurface soils. Of course, prior to subsurface exploration private Site utility clearance protocol would be implemented as well as initial clearing using air-knifing techniques to avoid shallow unmarked utilities or other subsurface hazards and obstructions. Environmental samples will require laboratory analysis for the TCL/TAL and the first thirty TICs. If hydrocarbon product is observed, then KLF will sample it for hydrocarbon fingerprint analysis by a laboratory.

4.2.3 Groundwater Monitoring

Table 1 lists the existing groundwater monitoring wells (MW1 – MW52, EVIMW1 – EVIMW8, RW1 – RW4, and OSMW1 – OSMW3). The last full round of groundwater sampling occurred in 2001. Additional sampling has occurred since then, but it has been limited to select areas. Therefore, the completion of another round of sampling in Parcel A will be undertaken as detailed below and in Table 3.

- **Areas 1 and 2—**Areas 1 and 2 were most recently sampled in June 2001. Previous results suggested the intermittent presence of SVOCs above applicable NYSDEC criteria, total petroleum hydrocarbons (TPH), metals, and PCBs absorbed on suspended soil particles in groundwater. Various sampling rounds conducted prior to 2001 also indicated the intermittent presence of SVOCs above Class GA groundwater criteria. As a part of quarterly site inspections, KLF regularly inspects OW-1, MW-3, -4, and -6 for the presence of light non-aqueous phase liquids (LNAPL). OW-1 is regularly dry. An intermittent presence of LNAPL in MW-4 is observed occasionally as part of the monthly inspection cycle. Varnish/petroleum odors are noted occasionally in MW-3 and MW-6 during the same cycle. KLF will sample MW-3, -4, -6, -7 and -45 (assuming LNAPL is not present based upon electronic interface probe [EIP] measurement) and analyze for the full TCL/TAL and the first thirty TICs.
- **Northern Tip of Area 6—**In September 2007, KLF submitted a sampling plan for Area 6, which recommended an additional investigation to clarify the nature and extent of the chlorinated solvent plume that originates in the Parcel C portion of the former ALCO property. Based upon previous data, the plume extends a minimum of 900 feet from MW-19 to at least MW-51. The extent of the plume beyond MW-51 is unknown. To

delineate the groundwater plume and progress of natural attenuation via dechlorination, KLF proposes re-sampling existing monitoring wells MW-16, -19, -46, -47, -48, -49, -50, and -51 and analyzing for the full TCL/TAL and the first thirty TICs, together with the new wells to be placed further to the west near the river and located on the known centerline of the plume (MW-52).

- **EVI Parcel—**A draft Site Characterization Report Summary prepared by Blasland, Bouck & Lee, Inc. (BBL) for SIC in February 2002 contained additional site investigation groundwater analytical data specific to the EVI Parcel, namely groundwater samples from EVIMW-1, -2, -6, and -8. These data indicated the presence of SVOCs and several inorganic constituents in groundwater above Class GA groundwater quality criteria. In 2005, Geologic Services Corp. (GSC) submitted a Site Characterization Report. In this report, GSC concluded that a deed restriction limiting subsurface soil excavation would reduce the potential for groundwater contact during Site redevelopment work. Additionally, GSC noted low concentrations of chemical constituents in monitoring wells EVIMW-2, EVIMW-3, MW-24 and MW-25 (which are downgradient of the EVI Parcel) concluding that SVOCs in the EVI Parcel did not pose a significant threat to the environment or potential for significant exposure to humans. Based upon these findings, KLF proposes re-sampling monitoring well EVIMW-1 to document changes in groundwater conditions. Analysis will include the full TCL/TAL plus the first thirty TICs.

- **Other Areas Within Parcel A—**In addition to the Areas mentioned above, KLF proposes re-sampling a number of monitoring wells located in Parcel A but not associated with a particular area. Analysis will include the full TCL/TAL plus the first TICs. These include additional wells located in three transects running north and south across the site and those applicable to Parcel A include:

  The westerly (riverfront) transect of wells (see Table 3). Sampling these wells will help clarify potential offsite sources contributing to groundwater contamination on site and the potential migration of contaminated groundwater towards the river across the site and establish a comprehensive baseline of the Site and Parcel A overall.

4.3 Quality Assurance Plan for Soil and Groundwater Assessment

4.3.1 Field Screening

4.3.1.1 Summary

Field screening of soil samples for volatile organic compounds will be conducted using photo ionization detectors. Field measurements of water samples for dissolved oxygen, pH, conductivity, salinity, specific conductance, ORP, and turbidity will be collected using portable water quality instrumentation.

The field staff operating the analytical equipment are experienced in its operation and will perform proper calibrations and measurements.

4.3.1.2 Calibration

Photo ionization detectors will be calibrated to ambient outdoor air for zero and a 100-ppm isobutylene standard for the span calibration at 100-ppm. Photo ionization detectors will be checked against the 100-ppm isobutylene standard at mid day. If the calibration is off by 5% or greater the instrument will be recalibrated. Water trap and particulate filters will be used on the photo ionization detectors and will be in place during calibration. The photo ionization detectors will be recalibrated if the filters are changed during the course of the work day.

Water quality parameter instrumentation will be calibrated according to the manufactures specification. Commercially available calibration solution appropriate for the instrument selected will be used to conduct this calibration. The calibration will be done daily at a minimum and more frequently if warranted based on the manufactures specifications or failure of the mid day calibration check. At mid day the water quality meters will be checked against the standard calibration solutions. If any of the parameters are out of calibration by more than 5% the instrument will be recalibrated.

4.3.1.3 Field Screening Methods

For soil screening using photo ionization detectors the soil will be placed in a Ziploc (or similar) plastic bag with air space above the soil sample. The soil will be allowed to sit in the bag for one minute or longer to allow diffusion of any volatile organics from the soil matrix to the air within the bag. The probe tip of the photo ionization detector will be inserted through the side of the bag to create a small hole with little or no dilution of the air inside the bag. The maximum reading within the bag over a 15 second observation period will be recorded.

For water quality parameter collection a flow through cell will be used. The well pump will be connected to the inlet side of the flow through cell and the water quality instrument will be connected to the cell through a sealed port. Water quality parameters will be recorded at set time intervals and the final readings will be noted only after stabilization of parameters based on the EPA guidance on low stress aquifer sampling. If stabilization does not occur within 45 minutes the lack of stabilization will be noted and the monitoring suspended. Water samples for laboratory analysis will not be collected from the flow through cell. The flow through cell and water quality instrument probe head will be rinsed with de-ionized water between sampling locations.

4.3.2 Laboratories

The laboratory selected for soil and water quality analysis will be certified pursuant to NYSDOH ELAP Certification for all constituents or constituent categories for which it analyzes in aqueous samples. The polymerase chain reaction analysis will be conducted by a laboratory qualified to conduct that analysis.

Non-aqueous samples will be analyzed according to methods included in the latest version of the NYSDEC Analytical Services Protocol (ASP) or USEPA Publication SW-846, *Test Methods for Evaluating Solid Waste,* third edition, update IIF, January 1995 as amended and supplemented, for a constituent or constituent category. For parameters for which certification exists pursuant to NYSDOH ELAP Certification, the laboratory will be certified for that parameter or parameter category.

4.3.3 Analytical Methods

The analytical methods utilized in the laboratory analyses will be those published by the United States Environmental Protection Agency (USEPA) and in the most recent NYSDEC Analytical Services Protocol where applicable. The laboratories will perform the prescribed quality assurance for each analytical method that is used. To the extent that the methods accommodate, detection limits will be below the lowest standard guidance value in Part 375-6 Brownfield Soil Cleanup Objectives or applicable groundwater criteria of the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. Laboratory data reports will meet ASP Category B.

4.3.4 Environmental Media Sampling

Sample collection methods, sample preservation, sample holding times, and the number of field blank, field duplicate, and trip blank samples will conform to the NYSDEC Analytical Services Protocol (ASP). Details of the collection and comments concerning the samples will be included on chains of custody that will accompany the samples from the collector to the receiving laboratory. Tables 4 and 5 included in this report, provide a summary of the proposed sampling program, including the required QA/QC samples.

Soil samples will be collected in 2-5 foot split spoon samplers or disposable sleeves using both direct push and hollow-stem auguring techniques. Segments of the samples will be transferred to laboratory provided, clean, sample containers using aluminum or stainless steel disposable scoops, disposal plastic soil syringes, and hands gloved with new nitrile disposal gloves. Following the use of any of the disposal soil sample handling tools the tool with be isolated and disposed of with other wastes from the site.

Groundwater sampling conducted by purge and sample methods will be conducted with disposable polyethylene bailers which are prepackaged and will be opened on site. The bailers will be attached to nylon string or rope to allow recovery from the monitoring wells. During the purging of the well the field personnel will wear nitrile gloves. These gloves will be changed to a fresh set of glove prior to sample collection.

Groundwater sampling conducted by low flow sampling techniques will follow the EPA guidance no low stress aquifer sampling. The sampling will be conducted using a bladder pump or a geopump. At each well location a new bladder will and new sample tubing will be used. The sample tubing will be laboratory grade polyethylene tubing. Compressed air or nitrogen will be used to power the sampling pump. The pump body will be of stainless steel construction. Decontamination will be conducted by washing the pump in laboratory grade detergent and triple rinsing the pump with de-ionized. One pump blank will be collected by immersing the pump in de-ionized water and pumping a sample through the pump and a short length of sample tubing.

Field blanks will be collected by transferring de-ionized water to a sample container at the location of groundwater sample collection. This sample will be analyzed for the same parameters as the water groundwater samples less the polymerase chain reaction analysis (if found necessary).

Soil and groundwater samples will be stored on-site in a cooler with temperature maintained at 4 degrees Celsius or cooler using ice. The sample bottles will be placed into zip lock or similar plastic bags prior to placement in the cooler. Samples will be maintained under chain of custody and in the immediate control of the field personnel. Samples will either be shipped directly to the laboratory from the site or will be transported to a KLF office location for pick up by a lab courier. Samples stored at KLF offices will be maintained within a refrigerator at 4 degrees Celsius or cooler until pick up by the laboratory.

The number of soil and groundwater samples to be collected is presented on Tables 2 and 3, respectively.

4.3.5 Data Usability Summary Report

The project manager will prepare a Data Usability Summary Report (DUSR) documenting the sampling and analytical procedures and results. This will certify that the data are valid and usable.

4.4 Soil Vapor Assessment

Soil vapor surveys are typically required under brownfield redevelopment scenarios. For this reason, KLF proposes collection of 17 soil vapor samples in Parcel A using hand set shallow soil vapor probes and simultaneous ambient air samples for comparative purposes. This would allow the collection of sufficient data to evaluate the potential for significant indoor vapor intrusion across Parcel A. A map (Plate 4) showing the anticipated locations of these soil vapor samples is attached hereto. This soil vapor survey consists of subsurface soil vapor sampling.

4.4.1 Sampling Procedures

When soil vapor, sub-slab vapor, crawl space air, indoor air or outdoor air sampling is required, the NYSDOH document, Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006) or the most current version with appropriate updates, must be used.

4.4.1.1 Subsurface Samples

The purpose of the subsurface sampling is to evaluate the potential for human exposure within a nearby building. The sampling locations are positioned such that the areas surrounding buildings will be evaluated.

The locations of these structures and sample locations are shown on Plate 4.

Preparation for Subsurface Sampling

At each sampling location, a hole appropriate for the diameter of the sampling tube will be advanced using an air lance. The flexible tubing will be inserted ensuring that the distal end of the tubing extends between two and three feet below grade. The tubing will be sealed into the hole using hydrated bentonite and a watertight, bolt-down road box will be used to secure the sampling port.

Purging and Pre-Sample Testing of Subsurface Sample Points

To ensure that representative samples are being collected ambient air will be purged from the sample tubing and the bentonite seal will be tested. Three tube volumes will purged from the tubing by attaching a syringe to the sample tubing to assure that the purge air flow rates do not exceed 0.2 liters per minute. A five-gallon pail will be temporarily installed over the sampling location to create a confined atmosphere above the sample point. Helium gas will be applied to the inside of the five-gallon pail and the atmosphere concentrations will be determined with direct reading instrument. The helium concentration within the bucket will be between 50 and 100%. This will be confirmed using a direct reading instrument. Once the high percentage helium atmosphere is established over the sample point the direct read instrument will be secured to sample tubing to determine if helium is passing through the bentonite seal or tubing. If the concentration within the sampling tubing is greater than 10% than the seal will be reconstructed and tested again. Once a good seal is confirmed sample collection will begin.

Sample Collection of Subsurface Soil Vapor

Each soil vapor sample will be collected using a certified clean, six liter, Summa® canisters with pre-set flow controller. Sampling times for sub-slab soil vapor samples will be 8 hours within the commercial tenant spaces and 24 hours within the residences. The pre-set flow controllers will be calibrated such that the flow rates do not exceed 0.2 liters per minute.

For preparation of the canister and collection of the sample the following procedure will be implemented. The canister will be placed on a stable surface adjacent to the sample tube. The canister's serial number will be recorded on the chain of custody (COC) and field notebook/ sample form. A sample identification name will be recorded on the canister ID tag and recorded on the COC and field notebook or sample form.

Once the canister is in place and the information about the canister identification and location has been recorded the plug from the canister fitting will be removed and the sample tubing will be connected to the flow controller. If applicable, the canister valve will be opened and closed. The pressure gauge will then be read and recorded. The pre-sampling pressure gauge reading should be -25 in Hg or less or else. If the pressure in the canister is greater than -25 in Hg, then verification from the laboratory of the initial pressure will be required to assure that the canister did not leak during transport.

Following confirmation that the canister has the appropriate internal pressure the valve to initiate sampling will be opened. The pressure gauge will be observed for the first two minutes. If the pressure increases at a rate greater than ½ inch of Hg per minute it will be assumed that there is a leak in the sampling system and sample collection will be terminated. The leak will be identified and the sample will be recollected using a new Summa® canister and flow controller.

A digital photograph will be taken of the system set up and surrounding area for each sampling location. The sampling start time will be recorded on the COC and field notebook/ sample form. At the end of the one hour sampling period the canister valve will be closed and the stop time recorded on the COC and field notebook/ sample form. The final gauge pressure will be read and recorded to ensure that it falls between -5 and 0 in Hg. The sampling tubing and flow controller will be disconnected from the canister and the plug will be installed on the canister. The sample container will be placed in its original box for transport to the laboratory. The sample collection log will be completed at this time. The information included on this will be; sample identification, date and time of sample collection, identity of samplers, sampling methods and devices, purge volumes, volume of soil vapor extracted, vacuum pressure before and after, apparent moisture content (dry, moist, saturated, etc.) of the sampling zone, and log each sample on the COC.

4.5 Quality Assurance of Soil Vapor Assessment

4.5.1 Quality Assurance for Air Sampling

The quality of data collected in an environmental study depends on the quality and thoroughness of field sampling activities. Due to the sensitivity of analytical methods and the extremely low levels of detection specified for sample analysis, the sampling process becomes integral to the integrity of the data generated. As a result, general field operations and practices, and specific sample collection and inventory must be well planned and carefully implemented.

The sampling methods and appropriate quality control measures for sample collection are included in the sampling procedures in sections 4.4.1.1 of this report.

Sample volumes, container types, and preservation methods are included in the air and soil vapor sampling summary included as Table 6.

4.5.1.1 Sampling Instruments / Equipment Calibration and Frequency

Field screening of ambient air for volatile organic compounds will be conducted using photo ionization detectors during the building survey operations as sampling protocol.

The field staff operating the analytical equipment are experienced in its operation and will perform proper calibrations and measurements.

Photo ionization detectors will be calibrated to ambient outdoor air for zero and a 100 ppm isobutylene standard for the span calibration at 100 ppm. Photo ionization detectors will be checked against the 100 ppm isobutylene standard at mid day. If the calibration is off by 5% or greater the instrument will be recalibrated. Water trap and particulate filters will be used on the photo ionization detectors and will be in place during calibration. The photo ionization detectors will be recalibrated if the filters are changed during the course of the workday.

4.5.1.2 Analytical Methods

All soil vapor samples collected at the site will be analyzed using USEPA Method TO-15 for volatile organic compounds. All subsurface and outdoor air samples collected will be analyzed using USEPA Method TO-15 for volatile organic compounds and selective ion monitoring (SIM) for trichloroethene. Reporting limits for this method are below 1 microgram per cubic meter. For the initial round of sampling the target analytes will be the EPA TO-15 full compendium list.

A NYSDOH ELAP certified laboratory, will perform the analysis of all soil vapor samples.

4.5.1.3 Quality Assurance / Quality Control Samples

The Quality Assurance / Quality Control Samples for the subsurface and ambient air quality sampling will include co-located duplicates at a rate of one per twenty samples, equipment blank at a rate of one per twenty samples (conducted at the analytical laboratory), and trip blank samples at a rate of one trip blank sample per batch of sample containers shipped. The total number of these quality control samples is detailed in Table 4.

4.6 Tanks, Storage Facilities, and Drainage Structures

Locations of former USTs will be re-identified (if practicable) using geophysical techniques, such as ground penetrating radar (GPR), and test pits and/or soil borings will be placed in the area of on-site former storage tank features as necessary to complete the profile of each location. Soil samples will be collected only if suspected contamination is encountered.

4.7 Historic Fill Assessment

Historic fill is known to be present across the Site (BBL 2002). During this investigation historic fill will be characterized if encountered as part of the various activities described above, and the findings correlated with currently available data, and thus aid in the description of the nature and extent of the fill across Parcel A.

5.0 Schedule and Reporting

5.1 Schedule

The investigation measures to be implemented are planned to be coordinated with field investigation work at all three distinct parcels on the Maxon-Alco Site. Some of the above sampling assumes that elements of the investigation will occur across separate BCP parcels; for example, the chlorinated VOC plume that originates in the Parcel C area and migrates under both Parcel B and Parcel A.

It is anticipated that work can begin within one month of approval of this plan, depending upon the coordination of the sequence of the other development-Parcels (Parcels B and C) and their particular schedule. Once the investigation begins, KLF anticipates that completion approximately six months after initiation. Of course, this schedule does not take into account unexpected weather events, or various development activities which may delay work or other events out of the control of KLF. A proposed schedule in tabular format is presented as Table 5, which does not take into consideration sequencing with the development process.

5.2 Reporting

A Final Investigation Report[s] will be developed following the completion of the above field activities. This report[s] will include the data collected from the above described investigation, along with interpretation of this data within the context of former investigations and remedial actions. The report[s] will be issued 90 days following the completion of the field activities. This report[s] will follow the format and include the content specified for remedial investigation reports as outlined in the Draft DER-10 Technical Guidance for Site Investigation and Remediation.

5.3 Alternatives Analysis

The Final Investigation Report[s] also will briefly discuss remedial alternatives that can be implemented within Parcel A and that will be fully assessed in the Alternatives Analysis submission to the NYSDEC.

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LIMITATION TO CLIENT

This work was performed in a manner consistent with that level of care and skill ordinarily exercised by other members of KLF's profession practicing in the same locality, under similar conditions and at the date the services are provided. Our conclusions, opinions, and recommendations are based on a limited number of observations and data. It is possible that conditions vary between or beyond the data evaluated. KLF makes no other representation, guarantee or warranty, express or implied, regarding the services, communication (oral or written), report, opinion, or instrument of service provided.

This report may be used only by the Client and the registered design professional in responsible charge and only for the purposes stated for this specific engagement within a reasonable time from its issuance, but in no event later than two (2) years from the date of the report.

The work performed was based on project information provided by Client. If Client does not retain KLF to review any plans and specifications, including any revisions or modifications to the plans and specifications, KLF assumes no responsibility for the suitability of our recommendations. In addition, if there are any changes in the field to the plans and specifications, Client must obtain written approval from KLF's engineer that such changes do not affect our recommendations. Failure to do so will vitiate KLF's recommendations.

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Table 1
Existing and Proposed
Monitoring Well Construction
Young-Sommer/Maxon
Parcel A - ALCO-Maxon Site
Schenectady, New York

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Location	Install date	Total Depth	Screen Interval	Comments
Existing Monitoring Wells				
MW-01	08/12/92	22.00	12-22	Also named RW-1 and OW-01
MW-02	08/12/92	21.00	11-21	Area 1
MW-03	08/13/92	23.00	13-23	Area 1
MW-04	08/13/92	24.00	14-24	Area 2
MW-05	08/13/92	25.00	15-25	Area 1
MW-06	04/01/94	34.50	29.5-34.5	Area 1
MW-07	03/31/94	18.50	8.5-18.5	Area 1
MW-08	03/31/94	12.50	5.5-12.5	Area 1, Bldg. 324
MW-09	03/28/94	16.00	6-16	Area 1, Bldg. 324
MW-10	03/29/94	34.00	31-34	Area 2
MW-11	03/29/94	17.00	7-17	Area 2
MW-12	03/31/94	15.50	5.5-15.5	Area 3
MW-12D	12/09/98	NA	NA	Area 3
MW-13	08/16/95	17.00	7-17	Area 4
MW-14	08/15/95	16.00	6-16	Area 4
MW-15	08/15/95	15.00	5-15	Area 4
MW-16	08/15/95	16.00	6-16	Site
MW-17	11/23/99	19.54	9.54-19.54	Site
MW-18	11/15/99	19.93	9.93-19.93	Site
MW-19	11/29/99	20.03	10.03-20.03	Area 6
MW-20	11/22/99	19.93	9.93-19.93	Site
MW-21	11/23/99	20.10	10.10-20.10	Area 4
MW-22	11/29/99	17.75	7.75-17.75	EVI Parcel
MW-23	11/24/99	19.90	9.9-19.9	RPI Parcel
MW-24	11/19/99	19.33	9.33-19.33	RPI Parcel
MW-25	11/17/99	19.58	9.58-19.58	Site
MW-26	11/17/99	20.03	10.03-20.03	Site
MW-27	11/18/99	20.00	10-20	Site
MW-28	11/18/99	20.00	10-20	Site
MW-29	11/22/99	18.02	8.02-18.02	Site
MW-30	11/19/99	20.00	10-20	Site
MW-31	11/30/99	19.01	9.01-19.01	Site
MW-32	11/08/00	17.00	7-17	Site
MW-33	11/13/00	18.00	8-18	Site
MW-34	11/09/00	16.00	6-16	Site
MW-35	11/13/00	16.00	6-16	Area 4
MW-36	11/10/00	16.00	6-16	Area 4
MW-36A	11/10/00	17.00	7-17	Area 4
MW-36B	09/03/03	20.00	10-20	Area 4
MW-36C	09/02/03	20.00	10-20	Area 4
MW-36D	09/02/03	20.00	10-20	Area 4
MW-36E	09/03/03	20.00	10-20	Area 4
MW-36F	09/03/03	20.00	10-20	Area 4
MW-37	11/10/00	17.00	7-17	Site
MW-38	11/09/00	14.00	4-14	Site
MW-39	11/09/00	14.00	4-14	Site
MW-40	11/08/00	20.00	10-20	Site

Table 1
Existing and Proposed
Monitoring Well Construction
Young-Sommer/Maxon
Parcel A - ALCO-Maxon Site
Schenectady, New York

KLEINFELDER
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Location	Install date	Total Depth	Screen Interval	Comments
Existing Monitoring Wells				
MW-41	11/10/00	16.00	6-16	Site
MW-42	11/09/00	16.00	6-16	Site
MW-43	11/14/00	21.00	11-21	Site
MW-44	11/15/00	17.00	7-17	Site
MW-45	01/18/01	19.68	9.98-19.68	Site
MW-46	05/23/01	43.00	33-43	Area 6
MW-47	05/21/01	55.20	45.2-55.2	Site
MW-48	05/22/01	65.00	55-65	Area 3
MW-49	10/05/05	67.00	57-67	Site
MW-50	10/06/05	57.00	47-57	Site
MW-51	10/05/05	67.00	55-67	Area 6
EVI MW-1	07/08/96	20.00	10.10-19.90	EVI Parcel
EVI MW-2	07/08/96	19.00	9.10-18.80	EVI Parcel
EVI MW-3	07/08/96	20.00	10-20	EVI Parcel
EVI MW-4	05/12/97	19.73	9.73-19.73	EVI Parcel
EVI MW-5	05/12/97	17.75	7.75-17.75	EVI Parcel
EVI MW-6	05/12/97	18.65	8.65-18.65	EVI Parcel
EVI MW-7	05/13/97	19.58	9.58-19.58	EVI Parcel
EVI MW-8	05/12/97	19.61	9.61-19.61	EVI Parcel
RW-1	11/12/92	24.00	9-24	
RW-2	11/05/92	24.00	9-24	
RW-3	11/05/92	25.00	10-25	
RW-4	11/12/92	20.00	10-20	
OSMW-1	08/06/09	12.00	2-12	
OSMW-2	08/05/09	20.00	5-20	
OSMW-3	08/05/09	17.00	2-17	
Proposed Monitoring Wells				
MW-25D		65.00	55-65	
MW-52		67.00	57-67	

Notes:
All permanent wells are constructed with polyvinyl chloride (PVC) risers
All permanent wells are constructed with PVC well screes with 0.010 slot size

Table 2
Proposed Soil Sampling
Locations & Analytical Methods
Young-Sommer/Maxon
Parcel A - ALCO-Maxon Site
Schenectady, New York

Location	Depths	Methods	Comments
Soil Boring/Monitoring Well Locations			
MW-25D	Approx. 65 feet bgs	EPA 8260, EPA 8270	Continuous soil screening will be conducted using a PID.
MW-52	Approx. 67 feet bgs		Continuous soil screening will be conducted using a PID.
Sample duplicate			
Trip Blank			
Surface Soil Locations			
SS-A1	0-2 inches bgs	EPA 6010, EPA 7470, EPA 8082, EPA 8260, EPA 8270, TAL Metals	Soil will be screened with a PID.
SS-A2	0-2 inches bgs		Soil will be screened with a PID.
SS-A3	0-2 inches bgs		Soil will be screened with a PID.
SS-A4	0-2 inches bgs		Soil will be screened with a PID.
SS-A5	0-2 inches bgs		Soil will be screened with a PID.
SS-A6	0-2 inches bgs		Soil will be screened with a PID.
SS-A7	0-2 inches bgs		Soil will be screened with a PID.
SS-A8	0-2 inches bgs		Soil will be screened with a PID.
SS-A9	0-2 inches bgs		Soil will be screened with a PID.
Sample duplicate			
Trip Blank			
Test Pit Locations			
TP-A1	Approx. 6-8 feet bgs	EPA 6010, EPA 7470, EPA 8082, EPA 8260, EPA 8270, TAL Metals	Continuous soil screening will be conducted using a PID.
TP-A2	Approx. 6-8 feet bgs		Continuous soil screening will be conducted using a PID.
Sample duplicate			
Trip Blank			

EPA 8260 samples will be collected in VOA vials and preserved with either methanol or sodium bi-sulfate, the will be extracted and analyzed by the lab within 14 days.

EPA 6010, EPA 7470, EPA 8082, EPA 8270 and TAL Metals samples will be collected in unpreserved 1 liter amber glass bottles, the will be extracted by the lab within 7 days and analyzed within 40 days.

Notes:

bgs - below ground surface
EPA - Environmental Protection Agency
PID - photoionization detector
TAL - total analyte list

Table 3
Proposed Groundwater Sampling Locations
& Analytical Methods
Young-Sommer/Maxon
Parcel A - ALCO-Maxon Site
Schenectady, New York

Analytical Methods	VOC 8260B	SVOC 8270	Comments
Sample container and preservation method	(3) 40 ml VOA vials, HCL, 14 day hold time	1 Liter amber, 4 degrees C.	
MW-03	X	X	
MW-04	X	X	
MW-06	X	X	
MW-07	X	X	
MW-16	X	X	
MW-19	X	X	
MW-25D	X	X	
MW-45	X	X	
MW-46	X	X	
MW-47	X	X	
MW-48	X	X	
MW-49	X	X	
MW-50	X	X	
MW-51	X	X	
MW-52	X	X	
EVI MW-1		X	
Field Blank 1			
Equipment Blank 1			
Sample Duplicate			
Trip Blank 1			

Yellow = Monitoring wells to be installed as part of this investigation
Green = Pre-existing Monitoring wells

Table 4
Proposed Soil Vapor Sampling
Locations & Analytical Methods
Young-Sommer/Maxon
Parcel A - ALCO-Maxon Site
Schenectady, New York

Locations	# of Samples	Method	Sample Container
Soil vapor points SV-A1 through SV-A17	17	EPA Method TO-15	1 Liter SUMA analysis within 28 days
Co-located Duplicates	2		1 Liter SUMA for sub slab collocated sample, 6 Liter SUMA for Indoor air collocated sample, both with analysis within 28 days
Equipment Blank	2		conducted at the laboratory, SUMA size at the discretion of the laboratory
Trip Blanks	2		1 or 6 Liter SUMA analysis within 28 days
Totals	23		

Notes:
Depth of vapor points will be approximately 2-feet above groundwater, unless the points are near a building or slab, in which case they will be installed to a depth of 2-feet below the deepest level of that foundation or slab.

Table 5
Proposed Site Investigation Schedule
Young-Sommer/Maxon
Parcel A - ALCO-Maxon Site
Schenectady, New York

	Months past approval of Investigation Work Plan					
Task	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Pre monitoring well installation groundwater sampling						
New monitoring well installation						
Groundwater sampling						
Vapor sampling point installation						
Vapor sampling						
Data review and report preparation						

* - if required the schedule for heating season sampling will be established in consultation with NYSDEC and NYSDOH

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Exhibit 1 – Alco-Maxon Site Building Description History

Alco-Maxon Site Building Description History

Building	Dates	Description of Building Use
300	1930-1952 1952-1970 1970-1971 1972-present	Laboratory Plant Office Administration/Office Space Occupied-use not specified During this period, Northeast Analytical Laboratories used a portion of the building. Currently used for general office space, commercial space, and for a small materials laboratory
304	1930-1969 1969-1973 1973-1988 1989-2008 2008-present	Frame shop, truck (locomotive wheel assembly) maintenance shop, and a tool room/repair shop/locomotive rebuild facility. Manufacturing Operations (drilling steam turbine exhaust hood parts). Valve assembly and testing (a paint booth and hydrostatic testing in steel trenches within the floor). Welding, grinding, and painting of structural steel. Drum storage area previously located outside the southeast corner of this building. Parcel purchased by STS Steel.
306	1930-1952 1951-1952 1952-1993 1990s? 1993-present	Housed manufacturing operations (included a drop forge, central repair shop, and maintenance). A portion of the first floor was used as a plant hospital (contained an X-ray facility). Operations included storage of stock materials, bar form storage, and vehicle maintenance. Later, the building was used for sheet-metal fabrication, composite materials manufacturing, and electronics manufacturing. Building sold to investors Various commercial firms, HVAC company, composite materials fabricator, et al.
308	1930-1952 1952-1986 1986-1993 1993-2003 2003-present	Shop A research laboratory for testing diesel locomotives. Engineering/Bar Form/Foundry Patterns storage. Building idle but not empty during this time. Concrete Reinforcing/Bar Cutting/Bending. Unoccupied
312	1952-present	No information identified. Outside of current confines of site.
314	1952-1988 1988-present	Contained valves and meters which controlled city water entering five aboveground storage tanks (ASTs) located beneath adjacent enclosure. No information identified. Outside of current confines of site.
316	1930-1952 1952-1971 1971-1986 1986-1987 1987-2005 2005-Present	Blacksmith shop operations Warehouse Stockroom for assembly of turbine valves. Idle Storage of production materials and fabric cutting and dyeing (building leased by a textile printing company). Building generally unoccupied, occasionally used for temporary storage
318	1952-1988 1988-1993 1993-2005 2006 2006-present	Shot blasting and cleaning. 2 large (200,000 gal total) water holding tanks, plumbed to sanitary. Industrial Wastewater Treatment Plant (IWWTP) Building refitted as textile wastewater treatment plant. Waste removed IWWTP equipment present, otherwise inactive

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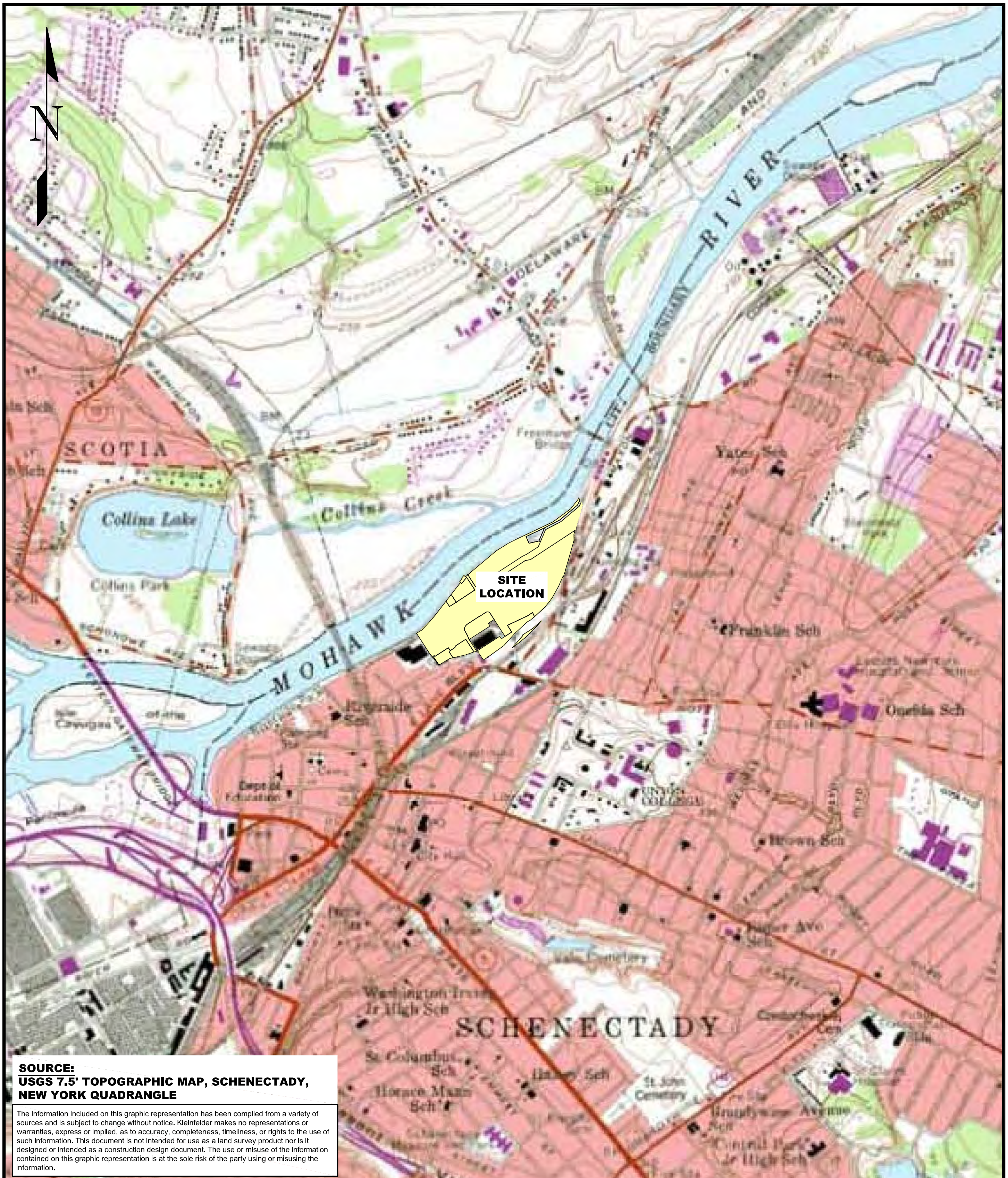
Building	Dates	Description of Building Use
320	1930-1952 1952-1970 1970-1998 1973-1985 1973-1987 1987-1999 1999-present	Tank shop (Roof, Hood, Tank, Cab) Diesel locomotive Subassembly and Truck Shop Steam Turbine Diaphragm Fabrication Electro-hydraulic control (EHC) Assembly and Testing and lagging operations. Oil tank Assembly, Copper Parts Machining, Generator Pipe Fabrication. Pickling facility (located in the northeast part of the building) used large tanks of phosphoric acid, emulsified oil, caustic, and rinse water. A ferric phosphate sludge dewatering facility was reportedly located in the southern part of the building. A paint booth/storage area, where paint and thinner were used, paint and thinner storage areas, the EHC test booth, and the areas where 1,1,1-TCA was stored and used during testing. Nine areas were identified around the outside of this building where drums or tote packs were stored. No information identified. Most of the building unoccupied. A landscaper stores equipment inside. Other various equipment and/or trucks and other vehicles stored inside.
322	1930-1986 1986-1988 1988-1990 1990-1993 1993-2002 2002-2006 2006-present	Shot Blasting. Storage Garage Plastics Machining No information identified. Milk and milk product distributor stored food stuffs Unoccupied
324	1930-1958 1958-1987 1987-1988 1988-1990 1990-1999 1999-2005 2005-present	Paint shop (Paint booth and a grit-blasting booth for locomotive manufacturing). West Paint Shop/Garage Idle (inactive but not empty) Storage (three areas have been identified where drums or tote packs were stored along the south side of the building). Recycling of construction and demolition (C and D) debris. Storage of textile materials Unoccupied or Storage of furniture
326/328	1930-1990 1990-1999 1999-2002 2002-present	Pump Houses Pump Houses operations discontinued. Buildings undergo abatement and intakes sealed Unoccupied
330 & 330 Addition	1930-1952 1952-1980 1980-1983 1983-1989 1989-1999 1999-present	Coal Pulverizing Maintenance building for truck repair. Oil House/Drum Storage Area. Permitted "less than 90-day" Resource Conservation and Recovery Act (RCRA) Hazardous Waste Storage Facility. Building decommissioned in September 1999, including removal and replacement of 6 inches of the concrete floor and pressure washing of the interior building walls. Building is currently vacant. Used by STS Steel for steel fabrication. Addition built 2002
332/334	1930-1951 1951-1958 1958-1971 1971-1973 1973-1999 1999-2004 2004-present	Boiler shop General Welding shop (locomotive frames, Base, and Generator Adapter) General Welding shop/Engine room/Blacksmith shop/Boiler shop/Engine Welding/Diesel Engine Chassis/Chassis Painting/Paint Storage Diaphragm Finishing Fuel Oil Pump House and Oil tank Assembly (manufacturing, copper parts machining, a punch line operation, generator pipes assembling, and a coating operation that used epoxies and resins). Several of these operations used painting products (paint booth, paints, & thinners) and deburring parts using an electrochemical process or a chemical etch ferric

Building	Dates	Description of Building Use
		dichloride process. General machine and equipment fabrication Used by STS Steel, building material (roofing), and other storage
336	Undated	Pump house for paint thinner storage formerly located in two adjacent underground storage tanks (USTs).
338	Undated	Gas Meter House
340	1987-1990 1990-2004 2004-present	Storage for diesel engine chassis materials, maintenance items, wastewater treatment materials, and Product Service. Construction facility. Park personnel reported that a storage tank once occupied an area northwest of the building; however, information to verify if the tank existed, was not available. Unoccupied
342	Undated Early 1990s 1998-2000 2000-present	Boiler and engine room, Power Supply Building Treatment facility for boiler blowdown water. Storage or use of potential boiler treatment or wastewater treatment chemicals that may have formerly been used in the building. One existing AST is located on the north side of the building (believed to store hazardous waste). General but incomplete decommissioning No change
344	1958-1989 1989-2001 2001-present	Pipe and Maintenance Storage Occupied-Use not specified Used by landscape company
346	1930-1952 1952-1971 1971-1984 1984-1987 1987-1993 1993-2003 2003-2008 2008-present	Lumber Shed Engine Parts and Machine Shop Diaphragm Finish Machining/Surplus Machine Storage Surplus Machine Storage (included paints, thinners and 1,1,1-TCA). Showroom for surplus machine tools Steel fabrication. Four former USTs located to the west of the building, reportedly closed in 1986. A concrete structure identified to the north of the building may have housed a 55-gallon oil collection drum. Used by Superior Walls to construct pre-fab concrete walls Used by Dimension Fabricators to prepare pre-fab re-bar structures
HB-1	Unknown	Unknown
HB-2	Unknown	Unknown
HB-3	Unknown	Incinerator
HB-4	Unknown	Pattern & Carpenter Shops
HB-5	Unknown	Boiler/Engine & Foundry (?)
HB-6	Unknown	Hammer Shop & Heat Treating Building
HB-7	Unknown	Unknown



SOURCE:
USGS 7.5' TOPOGRAPHIC MAP, SCHENECTADY, NEW YORK QUADRANGLE

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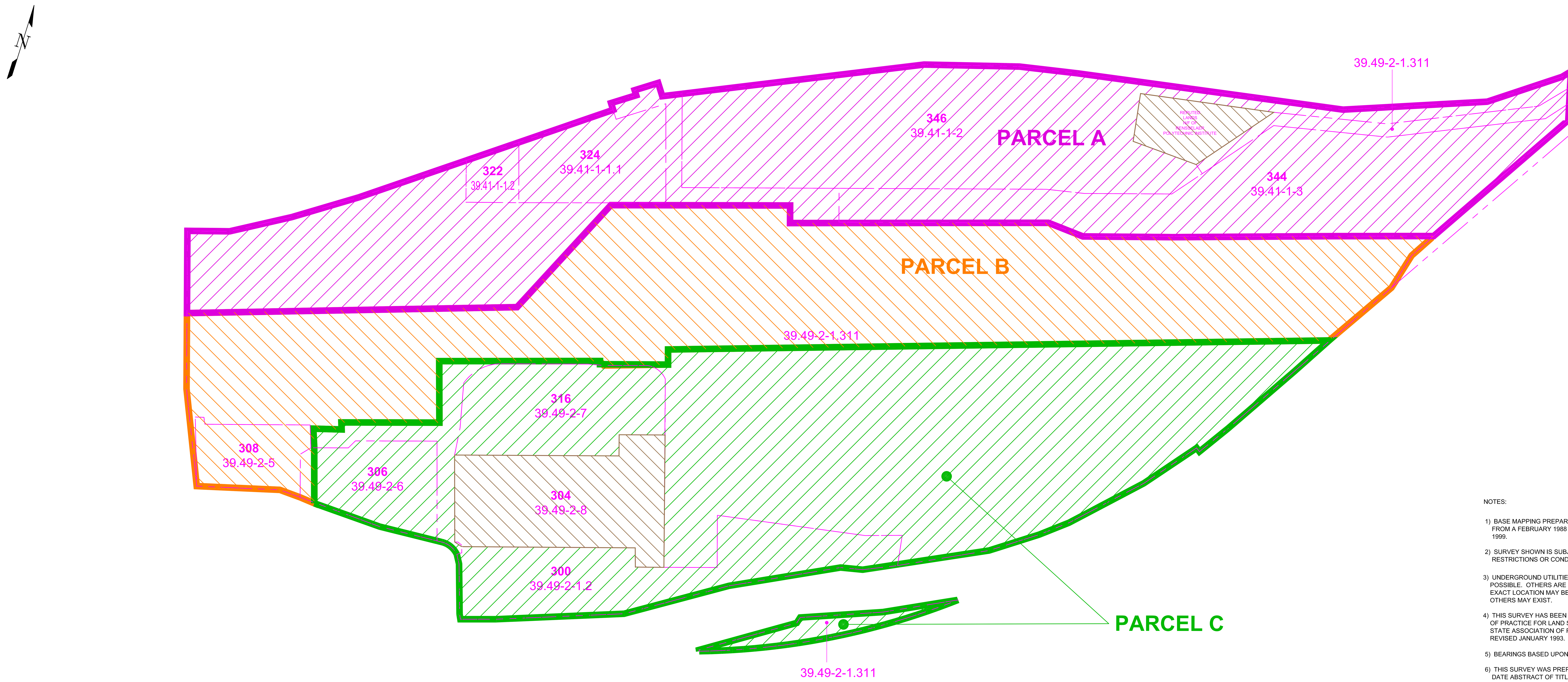
SITE LOCUS

YOUNG-SUMMER-MAXON
ALCO-MAXON SITE DEVELOPMENT
SCEHENCTADY, NEW YORK

FIGURE
1



PARCEL ACREAGE

PARCEL A - 21.00 ACRES
PARCEL B - 17.22 ACRES
PARCEL C - 19.30 ACRES

ALCO-Maxon Site

BCP Application §II

Property Tax Parcels

	Address	Lat.	Long.	Parcel #	Section #	Block #	Lot #	Acreage
1	___ Nott Street (internal parcel, river front)	42°49'28.37"N	73°56'12.25"W	324	39.41	1	1.1	1.39
2	___ Nott Street (internal parcel, river front)	42°49'26.82"N	73°56'14.64"W	322	39.41	1	1.2	0.4
3	___ Nott Street (internal parcel, river front)	42°49'33.40"N	73°56'14"W	346	39.41	1	2	6.39
4	___ Nott Street (internal parcel)	42°49'34.49"N	73°55'57.14"W	344	39.41	1	3	5.3
5	___ Nott Street (internal parcel)	42°49'28.37"N	73°56'12.25"W		39.41	1	3.1	5.3
6	301 Nott Street (fronts on Nott and Erie Blvd)	42°49'20.29"N	73°56'5.75"W	300	39.49	2	1.2	2.7
7	___ Nott Street	42°49'28.37"N	73°56'12.25"W		39.49	2	1.4	2.6
8	__ Front Street	42°49'18.28"N	73°56'17.01"W	308	39.49	2	5	0.86
9	405 Front St	42°49'19.59"N	73°56'13"W	306	39.49	2	6	1.26
10	__ Front Street (internal parcel)	42°49'23.51"N	73°56'9.24"W	316	39.49	2	7	2.21
11	___ Nott Street (internal parcel)	42°49'21.20"N	73°56'8.26"W	304	39.49	2	8	2.48
12	___ Nott Street	42°49'29.25"N 42°49'38.96"N 42°49'22.18"N	73°56'2.28"W 73°55'52.49"W 73°55'59.38"W	Large Main NW Road Erie Blvd.	39.49	2	1.311	37.42
	229 Front Street				39.48	1	16	0.88

Source:
Schenectady Cou nty, 20 09, Real Prop erty Tax Se rvice Agency Image M ate Online, s ee: http://64.132.212.43/imate/search.aspx, Acces sed: No vember, 2009.

NOTES:

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SOURCE:

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2) HISTORIC BUILDING (HB) LOCATIONS BASED ON A "FUEL OIL PIPING" PLAN. PREPARED FOR AMERICAN LOCOMOTIVE CO., REVISED AUGUST 22,195.

120 60 0 120
SCALE (feet)

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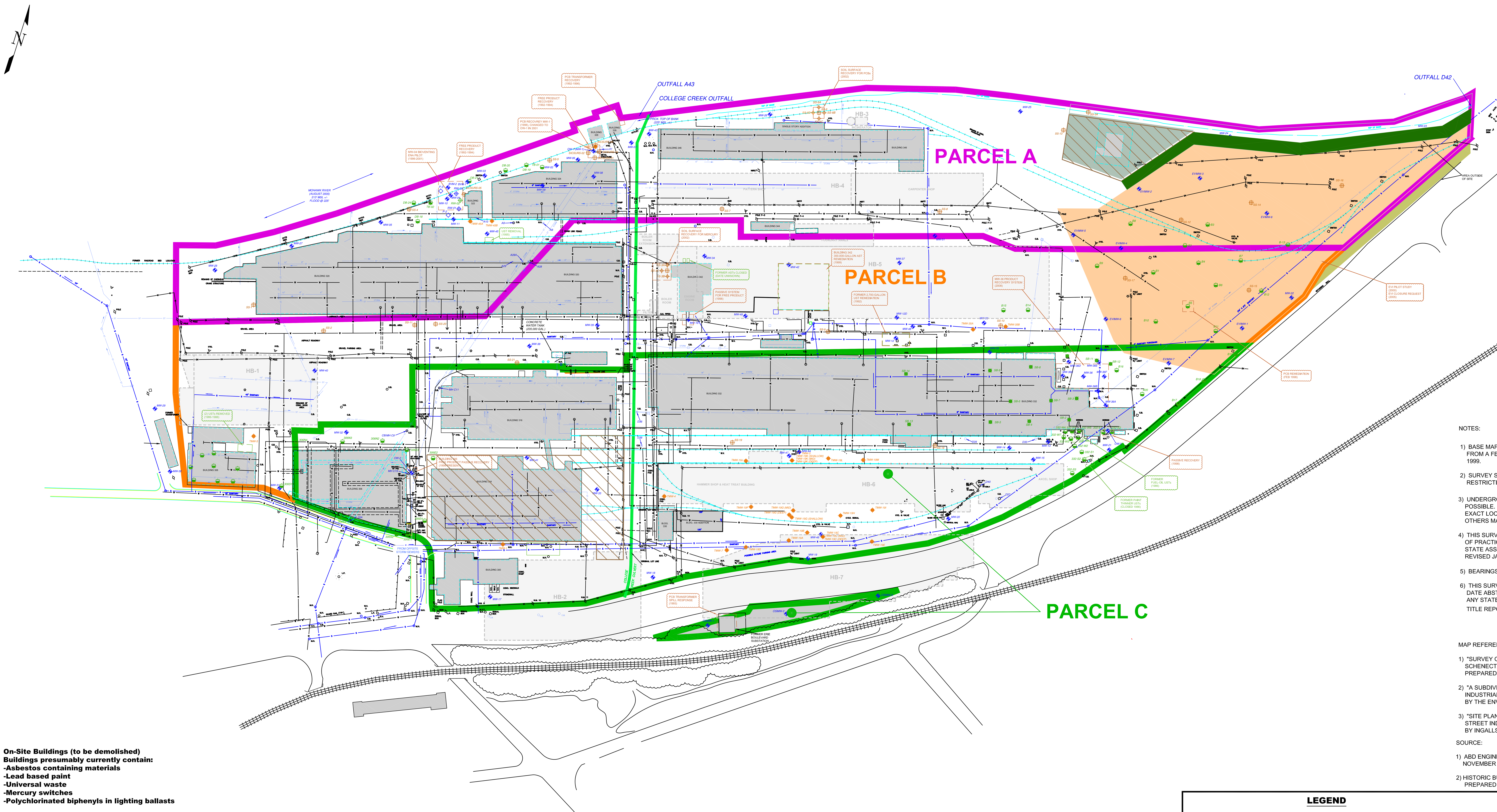
PROJECT NO. 107121	TAX LOT PARCELS		PLATE
DRAWN: 09/09/10			1
DRAWN BY: CTH			
CHECKED BY: KAF/MM/SP	YOUNG-SOMMER/MAXON ALCO-MAXON SITE SCHENECTADY, NEW YORK		
FILE NAME: 107121RIWPSEP10.dwg			



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On-Site Buildings (to be demolished)
Buildings presumably currently contain:
-Asbestos containing materials
-Lead based paint
-Universal waste
-Mercury switches
-Polychlorinated biphenyls in lighting ballasts

Building ID's and current usages
336 - General office/commercial space and small materials laboratory
304 - Owned by STS Steel
306 - Occupied by various commercial firms (HVAC company, composite materials fabricator)
308 - Unoccupied
316 - Temporary storage facility/unoccupied
318 - Occupied by inactive industrial waste water equipment
320 - Storage for landscaping equipment and vehicles/unoccupied
322 - Unoccupied
324 - Storage of furniture/unoccupied
332/334 - Used by STS Steel; building and roofing material storage
336 - Former pump house for paint thinner
338 - Gas meter house
340 - Unoccupied
342 - General but incomplete decommissioning in process
344 - Occupied by a landscape company
346 - Occupied by Dimension Fabricators to prepare pre-fabricated re-bar structures

Former Building ID's and usages
HB-1 - Usage unknown
HB-2 - Usage unknown
HB-3 - Incinerator
HB-4 - Pattern shop/Carpenter shop
HB-5 - Foundry
HB-6 - Hammer shop/Heat treat building
HB-7 - Usage unknown

120 60 0 120
SCALE (feet)

LEGEND

- PROPERTY BOUNDARY
- BCP SITE BOUNDARY
- MANHOLE WITH DRAINAGE STUCTURE NUMBER
- CATCH BASIN WITH DRAINAGE STRUCTURE NUMBER
- LIFT STATION WITH DRAINAGE STRUCTURE NUMBER
- MANHOLE (M.H.)
- CATCH BASIN (C.B.)
- OW-2 MONITORING WELL (MW)
- TMW-6 TEMPORARY MONITORING WELL (TMW)
- RW-01 RECOVCERY WELL
- P-2 PIEZOMETER
- DB-18 GEOPROBE BORING
- SS-5 SURFACE SOIL SAMPLE LOCATION (SS)
- SB-2 SOIL BORING LOCATION

AREA DEFINITIONS

- BUILDINGS/STRUCTURES
- HB FORMER BUILDINGS (PREVIOUSLY DEMOLISHED)
- "EVI" PARCEL
- "RPI" PARCEL
- OTHER PROPERTIES NO PART OF SITE
- REMEDIATION AREA
- FORMER UST/AST LOCATIONS

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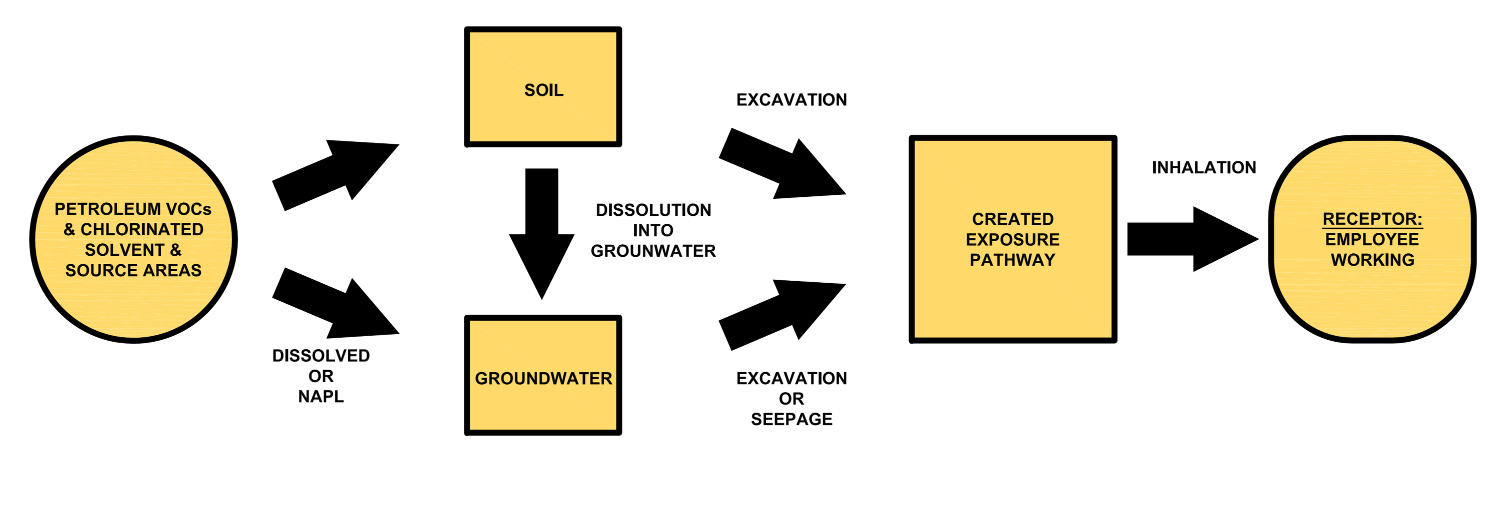
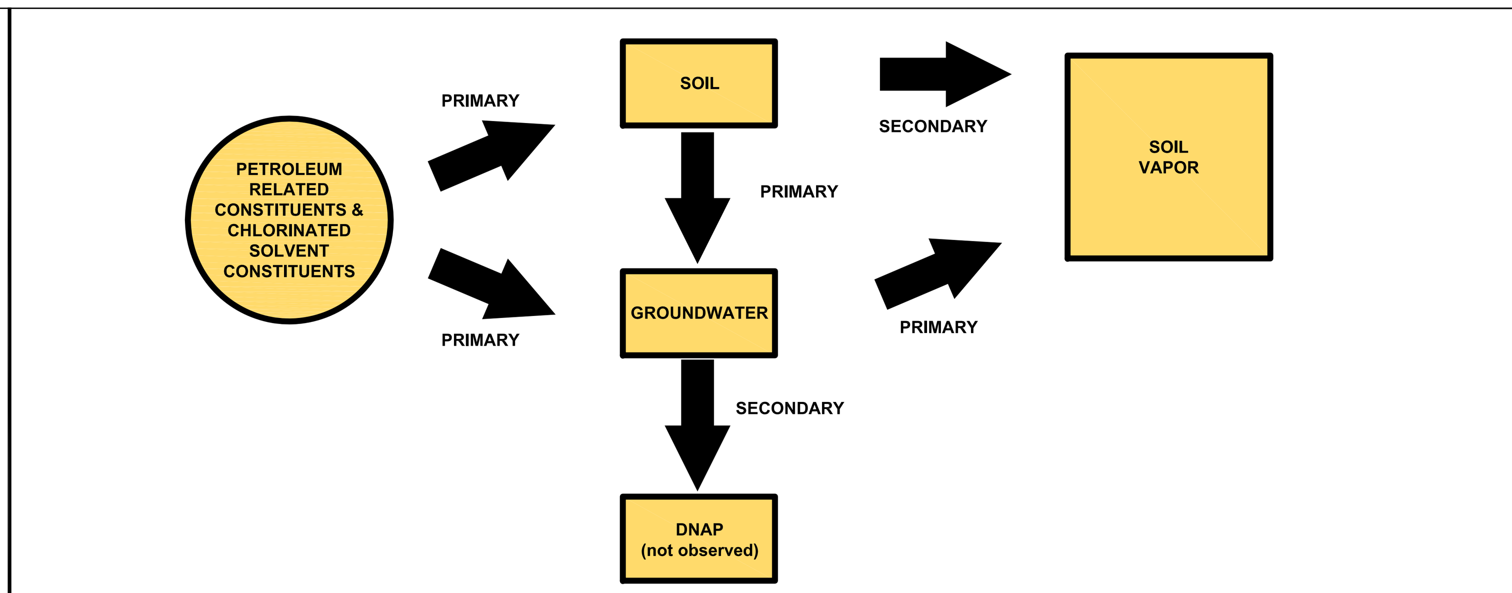
SITE LAYOUT

YOUNG-SUMMER-MAXON
ALCO-MAXON SITE DEVELOPMENT
SCHENECTADY, NEW YORK

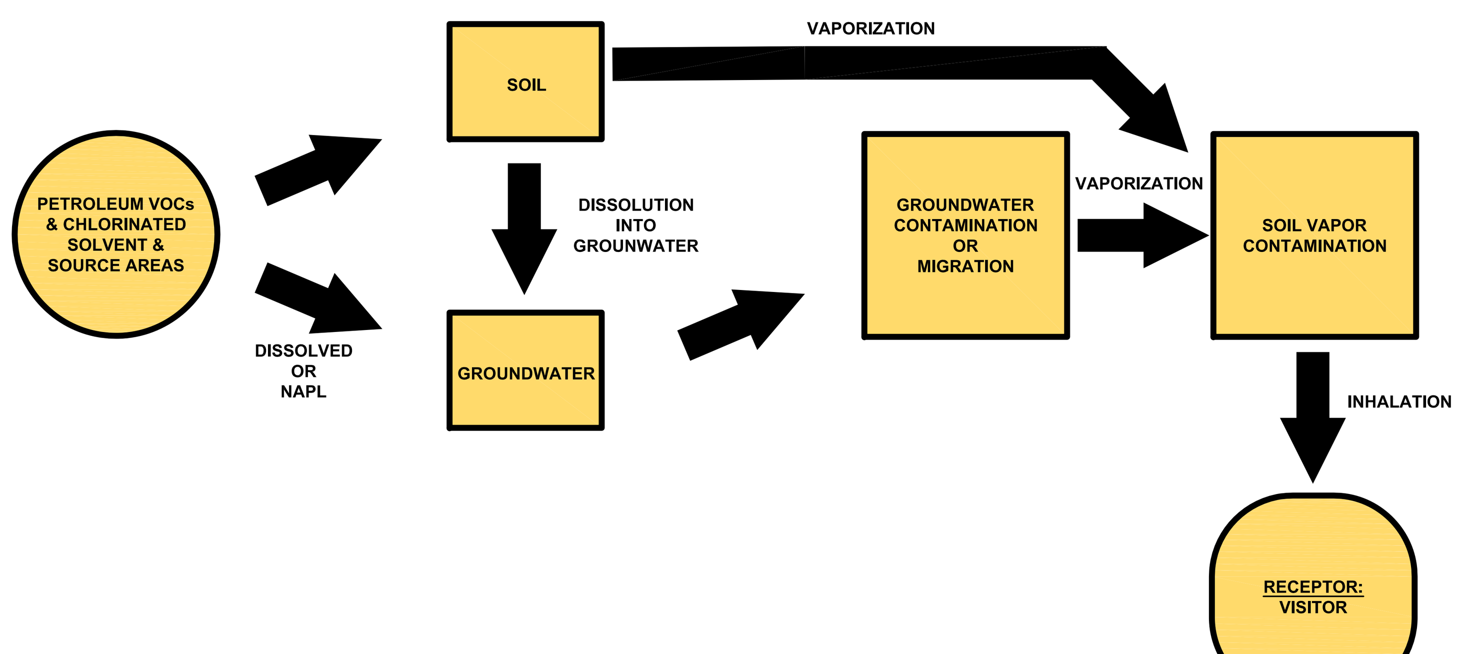
PLATE
2



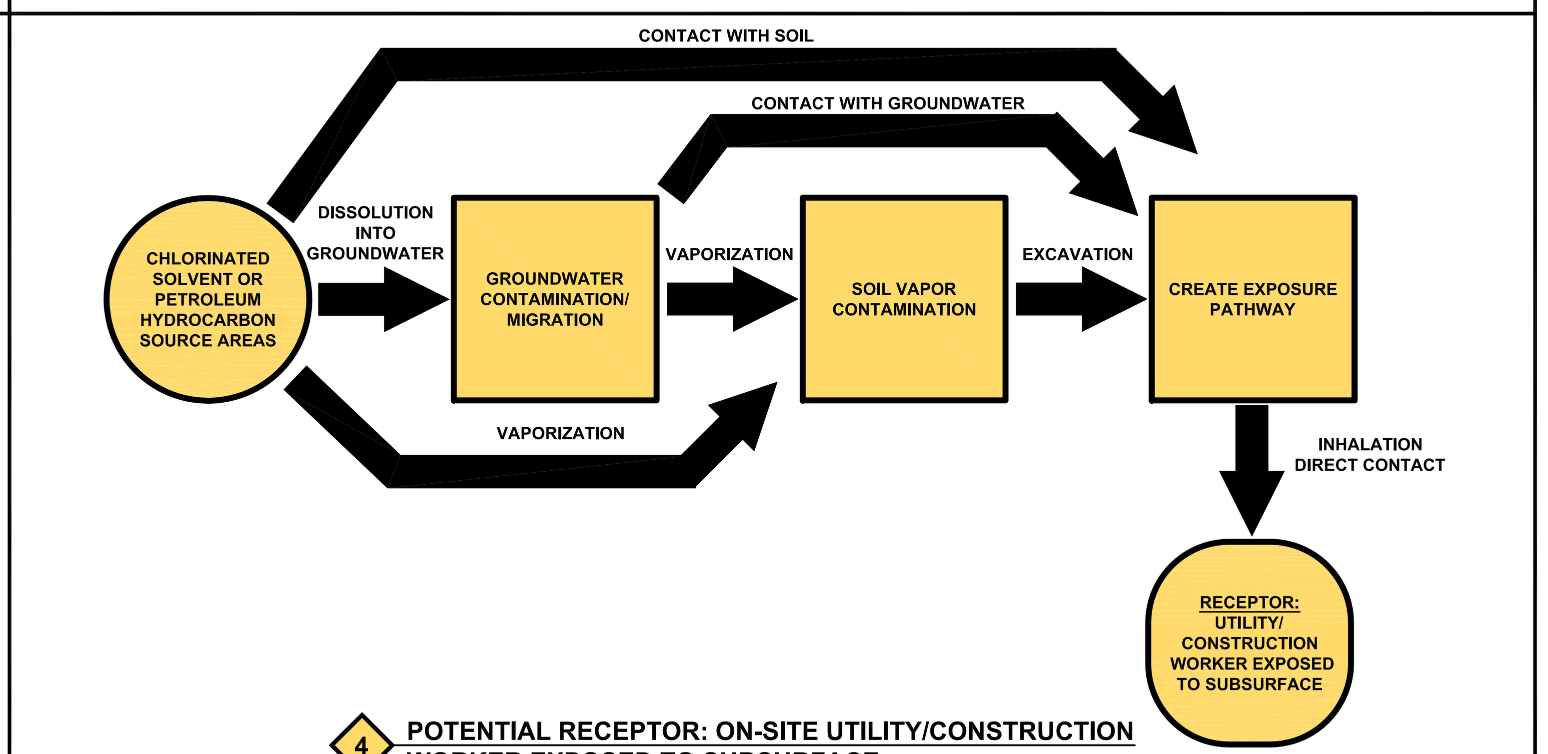
1 SITE RECEPTOR: EMPLOYEE WORKING



3 CHLORINATED SOLVENT FATE & TRANSPORT



2 SITE RECEPTOR: VISITOR TO SITE



4 POTENTIAL RECEPTOR: ON-SITE UTILITY/CONSTRUCTION WORKER EXPOSED TO SUBSURFACE

On-Site Buildings (to be demolished)
Buildings presumably currently contain:
-Asbestos containing materials
-Lead based paint
-Universal waste
-Mercury switches
-Polychlorinated biphenyls in lighting ballasts

Building ID's and current usages
336 - General office/commercial space and small materials laboratory
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HB-2 - Usage unknown
HB-3 - Incinerator
HB-4 - Pattern shop/Carpenter shop
HB-5 - Foundry
HB-6 - Hammer shop/Heat treat building
HB-7 - Usage unknown

Constituents of Potential Concern Locations		
Identified Areas of Concern		
Parcel	Area	COPCs
324	1	Petroleum
322 and portion of 3.11	2	Petroleum
3.11	3	Petroleum
3.11	4	Petroleum (NAPL)
3.11, 304 and 306	5	Petroleum (NAPL ?)
3.11, 344 and 346	6	Chlorinated solvents
Other Areas of Concern		
Parcel	Area	COPCs
3.11 and portions of 344 and 346	EVI	PAHs - Subsurface
	Building 308	Possibly PAHs, Metals and Petroleum
3.11	Former Erie Boulevard Substation	Mineral oil and Chlorinated solvents
	College Creek	Petroleum
	A43 Outfall Sewers	Petroleum, PAHs, Metals,
	D42 Outfall Sewers	Petroleum, PAHs, Metals,

LEGEND

PROPERTY BOUNDARY

BCP SITE BOUNDARY

AREA DEFINITIONS

AREAS 1, 2 - AREAS ORIGINALLY DEFINED AS PETROLEUM IMPACTED

AREAS 3, 4, 5 - AREAS SUSPECTED OF FUEL-OIL IMPACTS

AREA 6 - AREA SUSPECTED OF CHLORINATED SOLVENT IMPACT

BUILDINGS/STRUCTURES

FORMER BUILDINGS (PREVIOUSLY DEMOLISHED)

EVI PARCEL

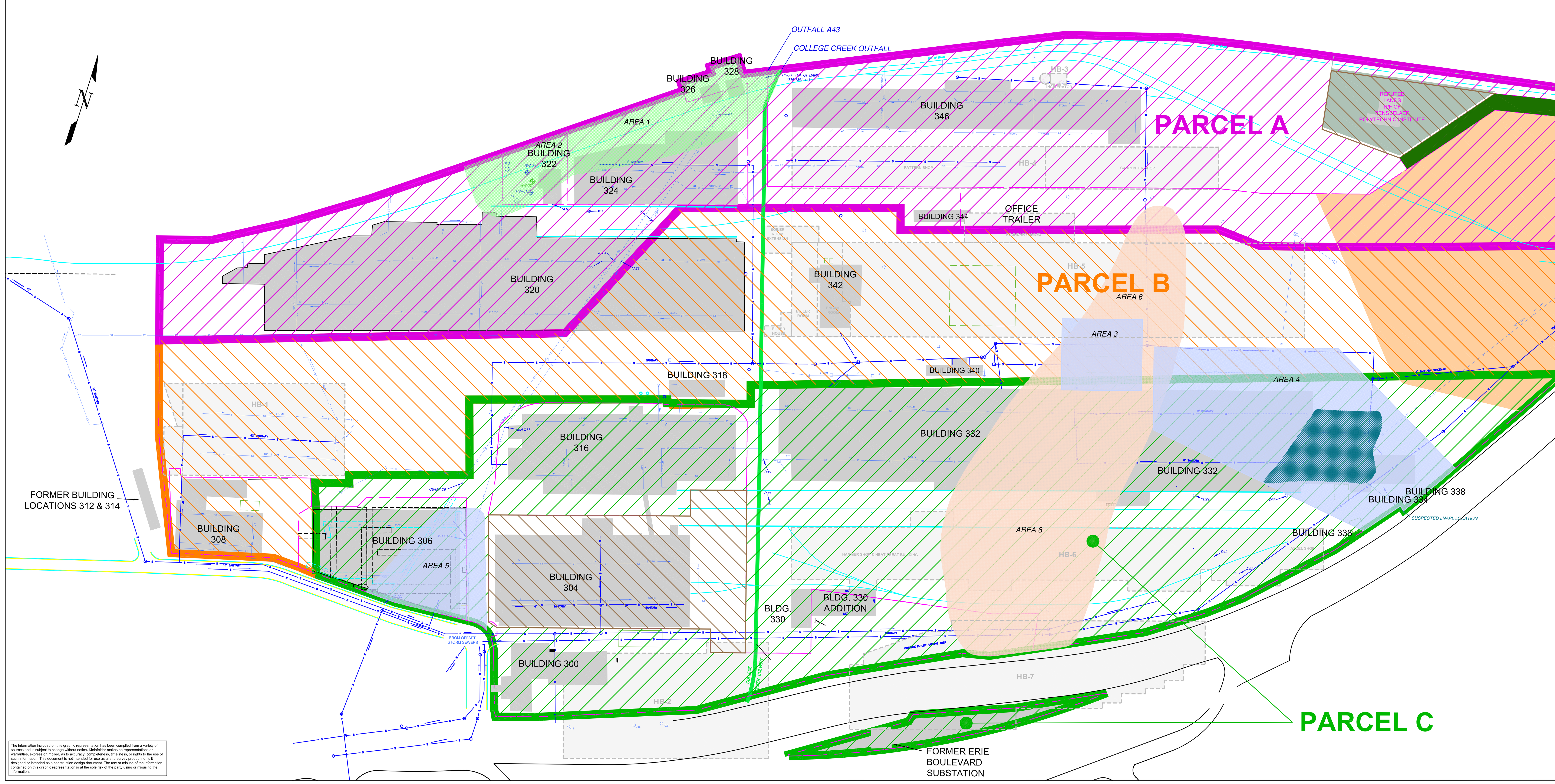
SUSPECTED LNAPL LOCATION

"RPI" PARCEL

OTHER PROPERTIES NO PART OF SITE

REMEDIATION AREA

FORMER UST/AST LOCATIONS



120 60 0 120
SCALE (feet)

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CONCEPTUAL SITE MODEL

YOUNG-SOMMER/MAXON
ALCO-MAXON SITE
SCHENECTADY, NEW YORK

PLATE
3

LEGEND

- PROPERTY BOUNDARY
- BCP SITE BOUNDARY
- GRID FOR SOIL VAPOR SAMPLING
- D1#4 LIFT STATION WITH DRAINAGE STRUCTURE NUMBER
- M.H. MANHOLE (M.H.)
- C.B. CATCH BASIN (C.B.)
- B31 MANHOLE WITH DRAINAGE STUCTURE NUMBER
- B32 CATCH BASIN WITH DRAINAGE STRUCTURE NUMBER
- PROPOSED TESTPIT LOCATION
- PROPOSED VAPOR POINT LOCATION
- PROPOSED SOIL BORING LOCATION
- PROPOSED SURFACE SOIL SAMPLE LOCATION (SS)
- PROPOSED MONITORING WELL (MW)
- OW-2 MONITORING WELL (MW)
- TMW-6 TEMPORARY MONITORING WELL (TMW)
- RW-01 RECOVCERY WELL
- P-2 PIEZOMETER
- DB-18 GEOPROBE BORING
- SS-5 SURFACE SOIL SAMPLE LOCATION (SS)
- SB-2 SOIL BORING LOCATION

AREA DEFINITIONS

- BUILDINGS/STRUCTURES
- HB FORMER BUILDINGS (PREVIOUSLY DEMOLISHED)
- "EVI" PARCEL
- "RPI" PARCEL
- OTHER PROPERTIES NO PART OF SITE
- REMEDIATION AREA
- FORMER UST/AST LOCATIONS
- PROPOSED GROUND PENETRATING RADAR LOCATIONS

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120 60 0 120
SCALE (feet)

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PROPOSED INVESTIGATION WORK PLAN SAMPLE LOCATIONS

YOUNG-SOMMER/MAXON
ALCO-MAXON SITE
SCHENECTADY, NEW YORK

PLATE
4

APPENDIX A

HISTORIC ENVIRONMENTAL DATA AND REC SUMMARY

APPENDIX A

PROJECT ENVIRONMENTAL HISTORY

Environmental Reports

During April 1992, Coyne Textile Services (CTS), with operations on Front Street, adjacent to the ALCO Industrial Site, had a major fuel oil release that partially escaped into the storm drain sewer system which flows under Parcels A, B and C, discharging to the Mohawk River at the College Creek Outfall. During inspection of this release, the New York State Department of Conservation (NYSDEC) reportedly observed petroleum seeping from riprap along the bank of the Mohawk River adjacent to Buildings 320 (which lies within both Parcels A and B) and 324 (located within Parcel A). The NYSDEC requested that a subsurface investigation be performed onshore adjacent to the petroleum seep areas. Following this release, Schenectady Industrial Corporation (SIC) entered into an Order on Consent (OC) (Index No. R4-1338-92-05) with the NYSDEC.

In 1992, SIC performed a subsurface investigation in Parcel A that included advancing a series of five hand-excavated test pits (TP-A1 through TP-E1) along the riverbank. Soil analytical results indicated total petroleum hydrocarbon (TPH) concentrations up to 12,000 parts per million (ppm). Following these results, two deep soil borings and five shallow soil borings were advanced adjacent to the test pits. The five shallow soil borings were completed at groundwater monitoring wells. Free-phase petroleum was found in two wells and the free-phase petroleum in one well was found to contain low levels of polychlorinated biphenyls (PCBs). Groundwater analytical results indicated TPH concentrations ranging from 4.6 ppm to 32,200 ppm. Volatile organic compound (VOC) concentrations were detected.

Historically there have been many environmental investigations completed at the former ALCO Industrial property since the initial investigation in 1992. These investigations, some of which were conducted in conjunction with NYSDEC oversight, have taken place across all three of the ALCO-Maxon Site, which has been separated into Parcels A, B and C. These investigations are summarized below. In addition to the environmental investigations conducted throughout the former ALCO Industrial property, underground storage tank (UST) removals and remedial activities have been completed on the ALCO-Maxon Site parcels. Summaries of the UST removals and remedial activities follow below.

The Applicant is providing a comprehensive recitation of all of the investigations and past response activities across the entire ALCO-Maxon Site parcels in each of the BCP Applications for Parcels A, B and C because at the time of the investigations and response actions, the former ALCO Industrial property was treated as one undivided site. Because some of the investigation data involves contamination that spans across what are now the three separate Parcels (A, B, and C). For example, contamination condition associated with prior spills impacted groundwater that migrates under each of the parcels, including a plume of chlorinated volatile organic contamination that originates in the Parcel C area and migrates under both Parcels B and A. As a result, the investigation and remediation of the three Brownfields sites will require coordination and technical assessment that will require, in some locations, a multi-parcel response. As such, as noted below, and in the attached data tables and sampling results, the entire ALCO-Maxon Site property, involving distinct parcels A, B and C, are impacted by past industrial spills and releases, causing contaminant conditions that have complicated the redevelopment and reuse of the property and the individual parcels.

Plate 2 (attached hereto) shows the location of the sampling locations in Parcel A, along with the sampling locations in Parcels B and C.

Sampling Data

The following tables present analytical data for the entire ALCO-Maxon Site.

- Table 1—Surface Soil Data
- Table 2—Soil Boring Data
- Table 3—Groundwater Data
- Table 4—Surface Water Data
- Table 5—Monitoring Well Data
- Table 6—Building Are Specific Investigation Data
- Table 7—UST Closure Program Data
- Table 8—Remediation Program Data
- Table 9—Chlorinated Solvent Data

Suspected Contaminants & Sources

Table 10 presents the current list of Recognized Environmental Conditions.

SUMMARY OF ENVIRONMENTAL INVESTIGATIONS

The following is a summary of each environmental investigation conducted at the former ALCO Industrial property from 1992 through 2009, in historic time order.

In April 1992, a business operating adjacent to the Property had a major fuel oil release that partially escaped into the storm drain sewer system, discharging to the Mohawk River at the College Creek Outfall. During inspection of this release, the New York State Department of Conservation (NYSDEC) reportedly observed petroleum discharges seeping from riprap along the bank of the Mohawk River adjacent to Buildings 320 and 324 in Parcel A. The NYSDEC requested that a subsurface investigation be performed onshore adjacent to the petroleum seep areas. Schenectady Industrial Corporation (SIC) entered into an Order on Consent (OC) (Index No. R4-1338-92-05).

Interim Investigation, July-August 1992—Interim Report Tasks 1 Through 4 Drainage System Assessment, Nott Street Industrial Park (Dames & Moore, 1993)

During July and August 1992, Dames & Moore performed an interim investigation on behalf of SIC. This investigation included evaluating the sewer system; visual site inspection and records review to evaluate potential on-site petroleum sources; and, collecting and analyzing three Mohawk River surface water samples from locations adjacent to and downstream of the reported soil seep areas.

From this investigation, Dames & Moore recommended maintaining contaminant booms in the vicinity of the College Creek outfall; removing oil from surcharged manholes and catch basins; monitor sewer system for on- and off-site discharges of oil; and, exploring the feasibility of separating the Park from the City of Schenectady's storm sewer system. In addition, Dames & Moore found several on-site structures that could be potential petroleum sources. Finally, results of the Mohawk River water samples indicated that volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, polychlorinated biphenyls (PCBs), and Priority Pollutant Metals (PP Metals) were not detected above the laboratory reporting limits.

Follow-up Investigation, July-September 1992—Summary of Activities Related to Selected Issues Noted in NYSDEC Order on Consent, File No. R4-1338-92-05 (Dames & Moore, 1993)

To address various other issues, Dames & Moore performed several additional investigation activities from July through September 1992. The additional activities discussed in the report included analytical results of free-product samples collected from monitoring wells MW-01 and MW-04; analytical results from water samples collected from the storm sewer system near monitoring well MW-01; analytical results from additional water samples collected from the Mohawk River; free-product recovery from monitoring wells MW-01 and MW-04; Identification and removal of PCB-containing transformers; and deployment of oil containment absorbent booms.

The results of this investigation indicated that the free-phase product in MW-01 and MW-04 was either highly weathered diesel oil or No. 2 fuel oil and likely resulted from historical operations in Building 324 or from former ASTs or USTs that were removed. These samples also contained other COCs such as PBCs, VOCs, and metals. One storm sewer sample contained PCBs and an absorbent boom was placed in the manhole. Two water samples collected from the Mohawk River near MW-01 and MW-04 did not contain petroleum ID, PCBs, VOCs, SVOCs or PP Metals. Six downstream water samples collected from the Mohawk River did not contain PCBs.

Free-phase petroleum was hand bailed from wells MW-01 and MW-04, from October 1992 through December 1992 and January 1993, respectively. In January 1993, free-phase product skimming systems were installed and became operational in these wells.

Oil-containment and absorbent booms were placed on the Mohawk River adjacent to the petroleum seeps in November 1992. In addition, three transformers adjacent to Building 328 were removed and disposed of in February 1993.

Delineation Boring Program, October-November 1992—*Summary of Activities Related to Delineation Boring Program* (Dames & Moore, 1993)

Dames & Moore performed a soil-boring program in October and November 1992. The scope of this work included the drilling and sampling of 29 soil borings. Four of these borings were converted to 6-inch-diameter groundwater/product recovery wells (RW-01 through RW-04). These wells were installed in the immediate vicinity of areas where free-phase petroleum was detected. A step drawdown test and a pump test were performed on well RW-02. The pump test results indicated that a recovery system could be operated with one recovery well in each of the two identified areas of free-phase petroleum.

In addition to the four borings converted to recovery wells, 10 of the remaining 25 borings were converted to piezometers (P-1 through P-10). Following installation, free-phase petroleum was observed in three of the recovery wells (RW-01, RW-02, and RW-03) and in two of the piezometers (P-1 and P-3) adjacent to monitoring well MW-04. Soil sample results suggested that relatively elevated total petroleum hydrocarbons (TPH) concentrations were limited to an area along the edge of the river in the vicinity of monitoring well MW-04.

Surface, Subsurface & Groundwater Investigation, March-May 1994—*Summary of Investigations* (Dames & Moore, 1994)

Additional investigation activities were performed between March 28 and May 5, 1994. The investigation was performed in three areas (Area 1 defined as the area near monitoring well MW-01 between Buildings 324 and 326/328 in Parcel A; Area 2 defined as the area near monitoring well MW-04 to the west of Building 322 and north of Building 320 in Parcels A and B; and Area 3 defined as the area near the former hazardous waste UST adjacent to the north side of Building 332 (which is within Parcel B) and consisted of the collection of eight surficial soil samples, installation of five shallow groundwater monitoring wells, installation of two intermediate-depth groundwater monitoring wells, and collection and analysis of groundwater samples from 12 monitoring wells.

The Summary Report concluded that based on the results of the investigation, it appeared that the extent of free-phase petroleum in the groundwater was limited to two small areas at the Park. One of these areas was at monitoring well MW-01 and the second area was at monitoring well MW-04. Further, the report concluded that the only area where PCBs had been detected was in the vicinity of monitoring well MW-01. Low levels of dissolved hydrocarbons had been detected at three areas at the Park: the vicinity of monitoring well MW-01, the vicinity of monitoring well MW-04, and an area west of Building 332 (monitoring well MW-12), where a UST was formerly located. In addition, Dames & Moore recommended continuing the operation of the temporary free-product skimming systems in monitoring wells MW-01 and MW-04.

Building 332 and 342 Subsurface investigation, August 1995—*Subsurface Investigation - Building 332 & 342* (ABB, 1995)

During the summer of 1993, excavations were performed adjacent to the southeast corner of Building 332 (in Parcel C) to install storm sewer infrastructure. Petroleum-stained soil was encountered during this excavation program and was observed by the NYSDEC. Chemical analyses indicated that the staining was a result of weathered No. 2 fuel oil. During a meeting with the NYSDEC on June 19, 1995, it was agreed that an investigation would be performed near Building 332.

ABB Environmental Services, Inc. (ABB), which succeeded Dames & Moore as SIC's consultant, implemented a drilling program between August 15 and 16, 1995. The program included the installation of three groundwater monitoring wells (MW-13, MW-14, and MW-15) around the estimated perimeter of the subsurface oil-stained soil area observed in 1993 adjacent to Building 332 during an infrastructure improvement excavation. No free product was observed in the Building 332 wells. Based on the petroleum identification analysis, weathered No. 2 fuel oil was identified in all soil samples. VOCs, SVOCs, or PCBs were not detected in the groundwater samples. One inorganic (arsenic) was detected.

During the summer of 1993, an oily sheen was observed in a Building 342 (which is within Parcel B) basement sump. Based on this observation, ABB installed one groundwater monitoring well (MW-16) on the east side of the building to characterize subsurface conditions in this area. Results of soil sample analysis identified weathered No. 2 fuel oil. In groundwater two SVOCs and zinc were detected that exceed the NYSDEC Class GA groundwater quality standards. During the groundwater sampling event, a floating layer of free-phase product approximately 1/8-inch thick was observed in monitoring well MW-16. An absorbent pad was installed in the well and upon removal had oily staining, although no floating product was observed in the well.

Building 326 Transformer Pit Inspection & Sampling, June 1996—as cited in Site Investigation Work Plan, Nott Street Industrial Park, Schenectady, New York (BBL, July 2000)

On June 14, 1996, sludge samples were collected from the two transformer pits in Building 326, in Parcel A, and analyzed for PCBs. PCBs were detected from within the right pit of Building 326 at concentrations of 0.340 parts per million (ppm) and 0.058 ppm for Aroclors 1248 and 1260, respectively. In addition, low levels of VOCs and metals were detected in both pits.

EVI Parcel Screening Investigation, July-August 1996—*Subsurface Investigation - Proposed EVI Building 1996* (ABB, 1996)

The area identified as the EVI Parcel (within the northeast corner of the property and which extends from Parcel C through Parcel B and into Parcel A) is an approximate 5.5-acre portion of the property located northwest of Building 332 which includes property within Parcels A, B and C. This investigation was part of a general environmental due diligence for the proposed EVI building to be used for a commercial recycling operation, and was conducted as an investigation program in conjunction with a voluntary agreement (R4-VA-02-96-09) between SIC and the NYSDEC. This investigation consisted of advancing three soil borings and completing each as a groundwater monitoring well.

Groundwater was encountered at approximately 12 feet bgs, and the stratigraphy was determined to be fill (foundry debris) overlying silty clay, overlying till. Slight fuel oil odors were encountered at or above the water table. The analytical results for the three soil samples analyzed were all non-detect; however, seven base neutrals (B/Ns) compounds and three metals were detected in the groundwater. The B/Ns were detected in the sample obtained from monitoring well EVIMW-2. The seven compounds detected were all above the applicable NYSDEC drinking water criteria (GA Standards). ABB subsequently recommended that monitoring well EVIMW-2 be re-sampled for B/Ns to determine if the polycyclic aromatic hydrocarbons (PAH) compounds detected were a localized occurrence or part of a larger groundwater plume.

EVI Parcel Investigation Program, May-June 1997—*Subsurface Investigation - Proposed EVI Facility* (ABB, 1997)

ABB subsequently conducted additional investigation on behalf of the SIC in May and June 1997. The investigation consisted of advancing 20 soil borings and the construction of five monitoring wells.

The results from the field investigation indicated that stained soils were observed at 18 of the 25 locations explored. The monitoring wells were subsequently sampled in June 1997, and neither light non-aqueous phase liquid (LNAPL) nor dense NAPL (DNAPL) was detected in any of the eight wells. The results of the laboratory analyses indicated that VOCs, B/Ns, PCBs, pesticides/herbicides were detected in soil samples, and VOCs, B/Ns, PCBs and one PP Metal were detected in groundwater samples. Nine of the B/N compounds and one pesticide/herbicide compound exceeded the NYSDEC soil cleanup criteria. In addition, two VOC compounds exceeded NYSDEC groundwater criteria.

The report indicated that most of the compounds detected could be associated with medium- to heavy-end petroleum products (i.e., No. 2 fuel oil/diesel fuel; No. 4 and No. 6 fuel oils). Based upon the analytical results, ABB identified four potential sources and concluded that the oil-like material below the water table migrated beneath the EVI Parcel and was not located within the EVI Parcel. The potential sources identified included: 1) the site-wide fill encountered within the upper 3 to 5 feet of most of the borings; 2) a large former AST that was located northeast of the parcel across Erie Boulevard; 3) historical operations that occurred at Building 332 in Parcel C, including the stained soil area southeast of Building 332; and 4) the former UST on the north side of Building 332.

Based upon the results of the investigation, Harding Lawson Associates (HLA; formerly ABB) proposed to the SIC that the soil containing PCBs be excavated and properly disposed of off-site.

Building 330 RCRA Closure Investigation, December 1997—as cited in Site Investigation Work Plan, Nott Street Industrial Park, Schenectady, New York (BBL, July 2000)

In December 1997, in preparation for the RCRA closure of Building 330 in Parcel C, 14 samples of the concrete floor were collected and analyzed for VOCs, SVOCs, and metals, using the TCLP method. The concrete floor samples were also analyzed for total PCBs. With the exception of barium (detected at 14 locations) and chromium (detected at one location), all TCLP results were below the laboratory detection limit. Detections of barium and chromium metals were well below the TCLP regulatory levels.

The PCB levels ranged from below the laboratory detection limit to 13 ppm (Aroclor 1254).

Building 306 Geoprobe® Investigation, December 1998—*Subsurface Investigation Report, Building 306* (HLA, April 1999)

On November 4, 1998, free-product petroleum was observed by HLA in an excavation that was being performed involving installation of a new catch basin structure adjacent to the north side of Building 306 in Parcel C. Response activities included the installation of a passive free product recovery system, which is discussed further below.

To better characterize subsurface conditions near Building 306, HLA performed a subsurface investigation on December 11, 1998. Eleven borings were advanced to the water table and soil samples collected. Weathered diesel fuel was detected in nine of the 11 samples, with TPH ranging from 270 ppm to 6,800 ppm. HLA suggested that the occurrence of petroleum in soil samples located approximately 100 feet downgradient of Building 306 indicated that petroleum staining might have extended beneath the paved parking lot downgradient of Building 306. Additionally, HLA suggested that due to the detection of weathered diesel fuel in the samples collected upgradient of the building along Front Street, an off-site source may be responsible for at least a portion of the subsurface petroleum staining in this area.

Building 332 Geoprobe Investigation, December 1998—*Subsurface Investigation Report Former Tank Farm - Building 332* (HLA, April 1999)

On December 10, 1998, HLA conducted a subsurface investigation of the USTs at the southeast end of Building 332 in Parcel C. Twelve subsurface borings were advanced to the water table. One sample was collected from each boring directly above the water table. These samples were submitted for TPH analysis. In addition, three of the samples were analyzed for VOCs, SVOCs, PCBs, and PP Metals. Nine of the samples contained petroleum hydrocarbons ranging from 190 ppm to 13,000 ppm. Two SVOC compounds were detected in one sample above the NYSDEC recommended soil cleanup objectives.

In addition, five piezometers were installed. The piezometers were assessed for free product using a narrow-diameter bailer on January 8, 1999. Free product was observed in two piezometers; the NYSDEC was notified following the discovery of the free product. Response activities included the installation of a passive free product recovery system.

HLA recommended that additional subsurface investigations downgradient of Building 332 be considered to address the presence of free product from the former tank farm, as well as to determine the need for remediation in this area.

Building 308 Geoprobe Investigation, April 1999—*Building 308, Environmental Assessment Report (Letter Report)* (HLA, June 14, 1999)

In response to the SIC's plan to lease Building 308 (which lies within Parcel B), HLA performed a limited subsurface environmental assessment of Building 308. A total of eight Geoprobe explorations were completed through the concrete floor within a pipe trench system that was used in conjunction with diesel engine testing. Two soil samples were collected from each exploration, and five of the eight sample sets were analyzed for TPH, VOCs, SVOCs, and PCBs. Petroleum staining of subsurface soils was noted, but there were no chemical constituents above the NYSDEC recommended soil cleanup objectives. One of the five samples analyzed had a TPH diesel concentration of 5,500 ppm. This was determined to be consistent with the historical use of this building, which included diesel engine testing. The letter report indicated that the planned reuse for Building 308 was to be heavy industrial activities, and that the SIC plans to fill in the trench system. Therefore, according to HLA, potential exposure routes for workers within the building would be eliminated.

Perimeter Investigation (PI), November-December 1999 & January 2000—*Site Investigation Work Plan, Nott Street Industrial Park, Schenectady, New York* (BBL, July 2000)

In November and December 1999 and January 2000 a series of perimeter investigations were conducted at the Park to obtain initial subsurface soil and groundwater information around the perimeter of the Park. The perimeter investigations included soil boring and monitoring well installation and sampling. Fifteen new monitoring wells were installed at locations around the perimeter of the ALCO Industrial property. These wells were then sampled to evaluate the quality of the groundwater entering and leaving the property. In addition, subsurface soil samples were obtained from the borings for the new wells, and groundwater samples were collected from selected existing wells. Soil and groundwater samples were analyzed for VOCs, SVOCs, PCBs, and TAL metals. Selected soil samples were also analyzed for TPH.

In addition to the well borings, four exploratory borings were drilled adjacent to perimeter wells MW-31, MW-20, MW-25, and MW-27 for observation of the stratigraphy at these locations. The new and existing wells were surveyed, and water level elevations were measured to evaluate the hydraulic gradients and groundwater flow directions. During water level measurement, the wells were inspected for the presence of NAPL.

A supplemental groundwater sampling event was performed that included the collection of additional groundwater samples using the low-flow sampling method and measurement of the groundwater elevations within a 1-day period. In addition, groundwater samples were obtained from three temporary wells installed directly downgradient (north) of perimeter monitoring well MW-19. This well was found to contain elevated levels of VOCs.

Overall, the PI confirmed what was already generally known about the subsurface from previous investigations, namely that: 1) subsurface petroleum staining is nearly ubiquitous at the Park, generally beginning at the water table; 2) upgradient sources of environmental degradation appear to be impacting the Park and or that contamination flows across the site, from Parcel C, across Parcel B to Parcel A; 3) groundwater quality is impacted; and 4) PCBs were detected at low concentrations at a limited number of wells.

Site Investigation (SI), Fall 2000 & Spring 2001—Site Investigation Summary Report, Nott Street Industrial Park, Schenectady, New York (BBL, February 2002)

BBL performed investigation activities as a follow-up to previous investigations. The SI activities were performed during Fall 2000. Based on the results of the initial activities, additional investigation activities performed during spring 2001.

Twenty-one surface soil samples (0- to 2-inch depth) were collected and analyzed to evaluate conditions at former storage areas and other potential areas of concern across the interior of the Park. The results for these samples indicate slightly elevated concentrations of mercury and PCBs in the areas around SS-3 and SS-6, respectively. The SS-3 sampling point is located on the west side of Building 342 in Parcel B) in what is now Parcel B and SS-6 on the north side of Building 346 in Parcel A.

Fifteen new monitoring wells and 24 temporary wells were installed and analyzed within the interior of the Park to characterize groundwater quality within the shallow groundwater zone. With the exception of well MW-35, no LNAPL was observed in the new wells.

Soil Samples were collected from 21 well borings to characterize subsurface soil conditions within the interior of the Park. Subsurface soils at certain locations beneath the Park contained petroleum hydrocarbon compounds that mainly had been identified as residual diesel fuel, fuel oil (no. 4), and lubricating oil. The sources of petroleum were not specifically known but the occurrences appeared to be localized proximal to the sample locations.

Additional near-surface and vertical delineation soil sampling for mercury in the proximity of SS-3 based on the detection of mercury during the Fall 2000 fieldwork. The additional delineation suggested that the detection of mercury at SS-3 was an isolated result since further samples showed a pronounced decline within a distance of 5 feet from the original sample location. The pattern of delineation sample results also suggested that this impact was localized to an area close to the side of the building.

Additional near-surface and vertical delineation soil sampling for PCBs in proximity to SS-6 based on the detection of PCBs during the Fall 2000 fieldwork. Concentrations of total PCBs were also elevated (1.03 to 5.51 ppm) in the samples collected 5 feet south, east, and west of original sample location. The total PCB concentration in the sample collected 5 feet to the north was only 0.476 mg/kg, suggesting that the elevated PCB levels were probably localized proximal to the building.

Three deep (overburden) wells hydraulically downgradient of perimeter monitoring well MW-19 were installed. Results from groundwater sampling performed during the SI activities indicated that the area in proximity to and hydraulically downgradient of MW-19 was of concern. Groundwater samples collected at the MW-19 well during sampling events contained elevated levels of chlorinated solvent compounds.

A temporary background depth-profile well was installed on the south side of Erie Boulevard, hydraulically upgradient of perimeter monitoring well MW-19. Results from groundwater samples collected from the temporary well on the south side of Erie Boulevard indicated that solvent compounds were also present, but at concentrations one to two orders of magnitude lower on Park values. This suggested that a potential source of these constituents may be at or closer to the MW-19 area.

Soil samples from the deep well borings were collected. Subsurface soil samples collected directly above the water table and at the top of a silty clay unit contained concentrations of chlorinated VOCs above criteria. Additionally, PCBs were detected at a concentration above the criteria.

Additional groundwater sampling was completed at seven existing monitoring wells. PCB results for groundwater samples collected during the Fall 2000 and Spring 2001 indicated that by reducing agitation of fines in the wells and turbidity in the groundwater samples using low-flow purging and sampling, the presence of PCBs in unfiltered samples was greatly reduced. In the limited instances where concentrations of total PCBs were above the Class GA criteria in the unfiltered samples, the concentrations were below this value in the respective filtered samples, with one exception. According to BBL, these results suggested that any presence of PCBs in groundwater was likely associated with solids that were present in turbid water samples during some of the sampling events.

Four temporary piezometers were installed to measure water levels and oil thickness (if present) in proximity to interior monitoring wells MW-35 and MW-45. During the May 29, 2001 groundwater gauging event, LNAPL was detected in MW-35. LNAPL was also detected in temporary monitoring wells TMW-35A and TMW-35B. These temporary wells are located approximately downgradient of MW-35. LNAPL was also detected in temporary monitoring well TMW-45B, which was installed directly downgradient of MW-45. However, LNAPL was not measured in MW-45.

Measurement of water levels was completed at the 54 existing shallow wells and three new deep wells. The results of these measurements were consistent with the data collected during the PI fieldwork activities suggesting that the groundwater gradient in both the shallow and deep portions of the aquifer is generally north/northwest towards the Mohawk River.

Specific-capacity testing to determine the hydraulic conductivity at eight wells at the Park was completed. Hydraulic conductivity (K) values were calculated for wells EVIMW-2, MW-4, MW-19, MW-21, MW-35, MW-46, MW-47 and MW-48. The K values ranged from 2.22E-06 cm/sec (6.30E-03 ft/day) at MW-21 to 3.56E-02 cm/sec (1.01E+02 ft/day) at MW-47. BBL stated that the wide range in K values was reflective of the lower permeability of the silty clay soil prevalent at MW-21, and the higher permeability of the sandier soil prevalent at MW-47.

Soil Excavation and Well Install Activities, September 2003—Soil Excavation and Monitoring Well Installation Activities Report, Nott Street Industrial Park, Schenectady, New York (VHB, December 17, 2003)

On September 4, 2003, nine cubic yards of PCB-impacted soil was removed from the north side of the office attached to building 346 in Parcel A. Following review of results of soil sampling within the excavation, on September 9, 2003, another 0.21 cubic yards of impacted soil was removed from the southern side of the initial excavation. Post excavation soil samples indicated that PCB concentrations were below regulatory criteria.

On September 9, 2003, ten cubic yards of low-level mercury-impacted soil was excavated at the northwest corner of building 342 in Parcel B. Following review of results of soil sampling within the excavation, on September 17, 2003, another 1.1 cubic yards of impacted soil was removed from the northern side of the initial excavation. Post excavation soil samples indicated that mercury concentrations were below regulatory criteria.

On September 2 and 3, 2003, five monitoring wells were installed in the vicinity of MW-36. Soils encountered during drilling included two to four feet of fill material underlain by interbedded medium to very coarse sands and silty to fine sandy clay. During development activities, the presence of a petroleum-like odor and oil sheen on the drummed purge water was observed.

Site Characterization (SC) EVI Parcel, January 2005—Site Characterization Report, Draft, Nott Street Industrial Park, Schenectady, New York (GSC, January 2005)

This report provided a historical summary of all activities that have take place on the EVI Parcel (the Parcel). The report concluded that upon review of all the data collected from the Parcel, COCs (mainly PAHs, PCBs, and inorganic materials) were present in surface soil, subsurface soil and groundwater. The report detailed that potential future exposure to COCs through contact with surface and sub-surface soils could be removed through the installation and maintenance of an engineered cap. Site investigation indicated petroleum impacted soil and minimal groundwater contamination, that is primarily semi-volatile organics (poly-aromatic hydrocarbons or PAHs).

Memo Regarding College Creek Outfall Release, October 2005—*Memo, Nott Street Industrial Park, College Creek Outfall Releases of October 13 & 14, Schenectady, New York* (Environmental Risk Group [ERG], October 17, 2005)

A sheen was observed coming from the College Creek Outfall (CCO) on October 13, 2005. The sheen was traced on the ground and in rain puddles to an overland flow emanating from STS Steel diesel above-ground storage tanks (ASTs). The NYDEC was notified and spill number 0508410 was assigned. Absorbent boom and the dry chemical absorbent Speedy-Dry was applied to the area of the spill on October 13. Absorbents were also placed in four locations downgradient of the STS diesel ASTs and around catch basin D38. It was recommended that a secondary containment system should be placed around all diesel ASTs in the Park; that all tenants with ASTs have emergency spill kits available; that SIC store several hundred feet of absorbent boom for emergency placement at the CCO; and that an investigation of soil contamination will be required around STS Steel's diesel ASTs and their new building.

Chlorinated Solvent Plume Update, September 2007—Nott Street Industrial Park, SIC, Chlorinated Solvent Plume Update, Schenectady, New York (Kleinfelder, September 2007)

Kleinfelder summarized the historic investigations regarding the chlorinated solvent plume in what was characterized as Area 6, now identified as Parcel C. The report concluded that findings of investigations by Arcadis/BBL indicated that the on-site origin of the chlorinated solvent plume appeared to have been in the relative vicinity of MW-19. The report indicated that the chlorinated solvent plume was estimated to be approximately 900 feet long, extending from MW-19 to at least MW-51, following the hydraulic gradient with respect to flow direction and moving deeper in the aquifer. As such, this plume likely impacts Parcels C, B and A. Additional investigation was recommended to better define the nature and extent of the plume.

Environmental Investigations, September 2009—Off-Property Groundwater Evaluation, Nott Street Industrial Park, Schenectady, New York (Kleinfelder, September 2009)

Kleinfelder installed three off-property monitoring wells across Maxon Road from the Park and specifically MW-19. All seven soil samples collected during this investigation contained VOCs and SVOCs at concentrations below regulatory criteria. In addition, one soil sample contained SVOCs at concentrations above applicable regulatory criteria. PCBs were not detected in any of the seven soil samples collected. Only two groundwater samples could be collected because two of the newly installed wells were dry upon gauging. Groundwater samples were collected from one newly installed and one existing monitoring well. Analytical results indicated that VOCs were present at concentrations above applicable regulatory criteria in both groundwater samples.

SUMMARY OF TANK REMOVAL ACTIONS

A number of underground and above ground tank (UST & AST) investigation, closure and remediation actions have occurred at the property over the course of its operational history. Information regarding some these of programs is very limited. These tank programs are chronologically summarized in the following sections:

Building 304 UST Closure, 1986—as cited in Site Investigation Work Plan, Nott Street Industrial Park, Schenectady, New York (BBL, July 2000)

Three USTs located to the south of the Building 304 (in Parcel C) were reportedly closed in 1986. The closure of these USTs did not involve sampling and all of the tanks were closed-in-place.

Building 332 UST Closure, 1986—as cited in Site Investigation Work Plan, Nott Street Industrial Park, Schenectady, New York (BBL, July 2000)

It has been reported that four USTs next to Building 332 in Parcel C were closed in 1986 (by filling them with sand/ concrete) that were used to store either diesel fuel or motor oil. Tank testing and/or soil sampling was not conducted during the closure of the USTs. However, several subsurface soil and groundwater investigations have occurred in this area that identified the presence of petroleum products.

Building 308 UST Closure & Transformer Removal, 1986 & circa 1988—as cited in Site Investigation Work Plan, Nott Street Industrial Park, Schenectady, New York (BBL, July 2000)

In 1986, two fuel oil USTs were closed-in-place by filling each one with sand or concrete at Building 308 in Parcel B. These USTs are located to the northeast of the building and have capacities of 16,000 and 12,000 gallons. It is unknown if soil sampling was conducted during the closure of these tanks. Additionally, sometime following 1988, six transformers were removed from a concrete pad located adjacent to the northwest corner of the building.

Building 336 UST Closure, 1986—as cited in Site Investigation Work Plan, Nott Street Industrial Park, Schenectady, New York (BBL, July 2000)

Originally, Building 336 in Parcel C was used as a pump house for paint thinner that was located in two adjacent USTs. In 1986, the USTs were closed.

Building 332 UST Removal, November 1992—Closure of a 2,700-gallon Concrete Underground Storage Tank (UST) Located at GE's Nott Street Facility (Letter Report) (GE, December 1992)

A 2,700-gallon capacity concrete UST located adjacent to the north side of Building 332 in Parcel B was excavated and removed on November 6, 1992. There was no evidence this UST was used to store petroleum products; however, several of the compounds detected in the three soil samples taken as part of closure indicated that light- to medium-end petroleum products may have been present at this location. Compounds detected that exceeded either STARS or TAGM 4046 criteria were ethylbenzene (28 to 3,900 ppb), toluene (2 to 1,400 ppb), xylenes (92 to 18,000 ppb), 1,1-DCA (20 ppb), 1,1,1-TCA (11 to 790 ppb).

Building 320 UST Removal, November 1995—*UST Removal, Building 320, November 1995 (Letter Report)* (ABB, April 1996)

On November 25, 1995, a concrete UST of unknown capacity located adjacent to the south side of Building 320 in Parcel A was removed. After the tank was removed, stained soil was observed in the tank excavation and the NYSDEC was properly notified. Four soil samples were obtained from the sidewalls and bottom of the excavation. A south excavation sidewall sample could not be obtained since the UST was located adjacent to footing for Building 320. The results of the four samples analyzed indicated that residual amounts of certain compounds were present in one sample. The compounds that exceeded their associated STARS Memo No. 1 cleanup criteria in sample BLDG320G were benzene (0.95 ppb), n-butyl benzene (8.57 ppb), sec-butyl benzene (10.4 ppb), and n-propyl benzene (23.5 ppb).

ABB reported that approximately 10 cubic yards of affected soil was removed and disposed of, and that the excavation was discontinued at the base of the building footing due to stability concerns (i.e., to prevent building collapse). The excavation was subsequently backfilled with clean sand. These procedures were observed by NYSDEC representatives whom concurred with ABB's decision to discontinue and backfill the excavation.

In addition to the above referenced UST, it has also been reported that five USTs, of unknown capacity, were either removed and/or closed-in-place in the vicinity of the building.

Building 342 Fuel Oil AST Removal, March 2000—Historic Release from Building 342 Aboveground Storage Tank, Work Order #12360-001-003 (Letter Report) (Weston, May 10, 2000)

In March 2000, the 300,000 gallon AST located within a concrete berm approximately 100 feet east of Building 342 in Parcel B and which formerly stored No. 6 fuel oil that was used to fire the buildings boiler, was decommissioned. Weston visited the Park on

March 20, 2000 to inspect the former tank area. Weston observed the AST bedding sand immediately beneath the tank was not discolored. Weston also observed several small areas (six square feet in size) of discolored soil within the tank footprint approximately one foot beneath the AST that were exposed by excavation equipment that was re-grading the Park. Two soil samples in the areas that visually appeared most discolored were collected by Weston. Analytical results revealed the presence of weathered diesel fuel in each sample. One soil sample was subsequently analyzed for STARS list constituents; no STARS list constituents were detected. Subsequently, Weston contacted the NYSDEC , on March 21, 2000, and described their observations and discussed the analytical results. Weston concluded that: 1) the staining was attributable to a minor historical petroleum release(s) during filling operations; 2) the staining may be partially attributable to coal dust (coal may have been stored in the area historically); and 3) the staining does not represent a matter of environmental significance.

Additionally, two former AST locations were also identified to the east and west of the building. These former ASTs had capacities of 500 and 2,000 gallons each. No additional information with regard to contents, spills, leaks, or dates of closure is available.

SUMMARY OF REMEDIAL ACTIONS

A number of remedial activities have been implemented at the property since 1992, which are chronologically summarized below.

Free Product Petroleum Recovery From Monitoring Wells MW-01 & MW-04, 1992-1994—Summary of Activities Related to Selected Issues Noted in NYSDEC Order on Consent, File No. R4-1338-92-05 (Dames & Moore, 1993)

Hand bailing was initiated during October 1992 in response to the presence of free product in monitoring wells MW-01 and MW-04 and continued until December 1992 and January 1993, respectively. Temporary free-product skimming systems were installed in monitoring wells MW-01 and MW-04 in December 1992 and January 1993, respectively. The recovery systems were operated for approximately two years, when the systems were permanently shut down as a result of negligible product recovery. During this time period, approximately 550 gallons and 385 gallons of an oil/water mixture was collected and properly disposed of from monitoring wells MW-01 and MW-04, respectively. The oil collected from monitoring well MW-01 was sampled again for PCBs on September 14, 1994, and results indicated 0.003 ppm PCBs.

Deployment of Oil Containment & Absorbent Booms in the Mohawk River, 1992-2002—Summary of Activities Related to Selected Issues Noted in NYSDEC Order on Consent, File No. R4-1338-92-05 (Dames & Moore, 1993)

The prior owner first deployed oil containment and absorbent booms adjacent to the locations where sheens were reported, during November 1992 and continued to deploy these devices until 2001. Booms were deployed in the spring and retrieved in early winter before the Mohawk River iced over. This included the areas upstream and downstream of College Creek, where sheens associated with off-site sources had been observed in the past.

Building 328 Transformer Inspection, Removal & Follow-Up Investigation/Remediation, November 1992, January-February 1993 & May 1996—*Summary of Activities Related to Selected Issues Noted in NYSDEC Order on Consent, File No. R4-1338-92-05* (Dames & Moore, 1993)

On November 6, 1992, Dames & Moore inspected three electrical transformers located on a concrete pad north of Building 328 in Parcel A. The inspection identified an area of staining on the pad; the transformers and pad were subsequently sampled and the transformers removed. In summary, a wipe sample of the stained area indicated a PCB concentration of 106.7 micrograms/100 square centimeters. The regulatory agencies were notified and the stained area was triple-scrubbed with hexane. The transformers were subsequently sampled, and analytical results indicated PCB concentrations ranging from 90.9 ppm to 517.5 ppm (Aroclor 1260). The transformer oil was removed from the transformers and appropriately disposed of on January 11, 1993. The transformers were removed and appropriately disposed of on February 4, 1993.

According to records, on May 20 and 26, 1996 concrete pad wipes, soil, and wire samples were collected and analyzed for PCBs from the former transformer pad located north of Building 328. Results indicated that pad wipes were non-detect, one wire sample had a low level PCB concentration (0.24 ppm), and PCBs were detected in the soil around the concrete pad at a concentration up to 17 ppm. Soils in this area were reportedly excavated and transported off-site for appropriate disposal.

PCB Transformer Spill, February 1993—as cited in Site Investigation Work Plan, Nott Street Industrial Park, Schenectady, New York (BBL, July 2000)

On February 1, 1993, the NYSDEC spill hotline was notified of leakage from transformers located on a concrete pad (approximately 1 quart) at a Nott Street Substation located on Erie Boulevard that served the Park (NYSDEC Spill No. 92-12366). This portion of the property lies within Parcel C. Absorbents were applied and sampling was subsequently performed. Two oil sample results indicated PCB (Aroclor 1260) concentrations of 528 ppm and 569 ppm. Four wipe sample results indicated PCB (Aroclor 1260) concentrations ranging from 7.1 µg/100-cm^2 to 244 µg/100-cm^2;

and six soil sample results indicated PCB (Aroclor 1260) concentrations ranging from 4.3 ppm to 128.6 ppm. One of the transformers and the affected soil was subsequently removed and appropriately disposed between September and October 1993. Confirmatory sampling for PCBs was also performed at that time and indicated 4 soil samples with concentrations ranging from 0.13 to 3.88 ppm and one wipe sample at a concentration of 1.4 µg/100-cm^2.

Building 342 Passive Free Product Removal, August 1995—*Subsurface Investigation - Building 332 & 342* (ABB, 1995)

One groundwater monitoring well (MW-16) was installed adjacent to the east foundation wall of Building 342 in Parcel B on the basis of observations of petroleum seeping through cracks on the inside of the east foundation wall. Oil sheens were periodically noted in monitoring well MW-16 shortly after it was installed. An absorbent bailer was installed during that time period and is currently maintained in MW-16. The bailer is inspected monthly and replaced, as required.

Monitoring Well MW-04 Pilot Bioventing System, December 1996—Schenectady Industrial Corp., Nott Street Industrial Park, Draft Follow-up Subsurface Investigation Report, Bioventing System Subsurface Soil Assessment (Letter Report) (VHB, September 2001)

To further address the presence of subsurface petroleum near monitoring well MW-04, the prior owner installed a pilot bioventing system during December 1996. Additionally, an absorbent bailer has been installed in monitoring well MW-04, which is inspected biweekly and replaced as necessary. The bioventing system consists of a self-contained blower assembly connected to wells RW-03 and BVM-2, which is utilized to aerate subsurface soils immediately above the water table. The system has operated continuously since December 1996 to May 2001, with the exception of brief outages for routine maintenance.

To assess the effectiveness of the bioventing system, HLA performed a Geoprobe subsurface investigation on December 8, 1998. The results of this investigation were reported in an April 14, 1999 letter from HLA to the NYSDEC. The investigation involved the advancement of 11 Geoprobe borings radially located around both bioventing injection points. A minimum of two soil samples from each boring at the 10- to 12-foot and 12- to 14-foot depth intervals (the saturated/ unsaturated interface) were collected and analyzed for TPH. TPH was detected in the 10- to 12-foot interval at concentrations as high as 1,100 ppm and in the 12- to 14-foot interval at concentrations as high as 24,000 ppm. Based on the results, it was concluded that the bioventing system was successfully treating the subsurface oil-stained soils, although with diminishing effectiveness farther away from the injection points.

HLA recommended that the bioventing system continue to operate, and that a follow-up Geoprobe assessment be performed during 2000 to monitor the effectiveness of the system. It was also recommended Oxygen Release Compound (ORC ®) "socks" be deployed in several wells in the vicinity of monitoring well MW-04 to assess the effectiveness of this proprietary product in enhancing the natural bioremediation of petroleum contaminated groundwater this portion of the property.

Late in 2001, VHB, in a letter to Alan Geisendorfer of Region IV NYSDEC, argued that the Bioventing and ORC efforts cease as the remaining materials were residual petroleum hydrocarbons recalcitrant to further treatment in the foregoing fashion. NYSDEC subsequently approved the cessation of treatment.

Monitoring Well MW-01 PCB Source Removal, February 1998—*MW-01 PCB Remediation Program Report, DEC Order on Consent R4-1338-92-05* (HLA, July 1998)

Based on the discovery of PCB in excess of 55 ppm in free product in monitoring well MW-01 and after recoverable free product accumulations were removed, SIC authorized HLA to remediate the soils in the vicinity of this area. The excavation proceeded in two steps. The first step was to remove the clean overburden soil to a depth of approximately 10 feet and stockpile the soils to be used as backfill. The interface between clean and affected soil was assessed visually; petroleum-impacted soil in this area has been historically encountered at a depth of approximately 10 feet and consists of visual staining and a petroleum odor. Secondly, visually affected soil was excavated in lifts and placed in segregated stockpiles. Three stock piles were created based on excavation intervals of 10 to 12 feet, 12 to 13 feet, and 13 to 15 feet. Based on field screening for PCBs, the excavation was terminated at the excavation depth interval of 15 feet (approximately 4 feet beneath the water table).

Samples from each stockpile were initially field screened using CHLOR-N-SOIL PCB field screening kits in which the sensitivity provides a "presence/absence" indication of PCB concentrations less than 50 ppm. Field screening results were less than 50 ppm for each stockpile. D-TECH field screening kits, with a sensitivity of approximately 5 to 20 ppm, were then used to screen the stockpiles further. The field screening results indicated that each stockpile was less than 5 ppm PCBs. Following field screening activities, five verification samples were collected (one from the bottom and one each from the north, south, east, and west excavation sidewalls). Each soil sample was subject to PCB and TPH analyses. One sample (west wall) was also subjected to PETID analysis via NYSDEC Method 310-14. The analytical results indicated that PCBs were not detected in four of the five samples; however, PCBs were detected in one sample (north wall) at a concentration of 4.06 ppm. TPH concentrations ranged from 1,200 ppm (east wall) to 43,000 ppm (west wall) (with a bottom TPH result of 2,800 ppm). The PETID analysis indicated that the petroleum staining was the result of weathered No. 2 fuel oil. Analytical results are provided in Appendix A.

Before the excavation was backfilled, a passive recovery system was installed in the vicinity of former monitoring well MW-01. Following installation of the passive recovery system, backfill was then placed to the surface. To date, additional oil has not been observed in this passive recovery system. HLA also performed follow-up sampling of sediment in sewers up and downstream of the excavation area at DEC's request; PCBs were not detected above industrial background concentrations.

EVI Parcel PCB Remediation/Excavation, February 1998—*Investigation Work Plan PCB Soil Remediation* (HLA, 1998)

During the aforementioned EVI Parcel (which lies across all three parcels [A, B, & C]) investigation, PCBs at concentrations in excess of NYSDEC cleanup objectives were detected at a depth of approximately four feet in one boring location (B-5). On February 5, 1998, a remedial excavation was conducted in the area of this boring. Approximately 4 cubic yards was excavated immediately after completing the monitoring well MW-01 PCB remediation program discussed above. After the excavation was completed, one confirmatory soil sample was obtained from the bottom of the excavation and submitted for PCB analysis. The analytical results were non-detect for PCBs. HLA subsequently concluded in a letter report to the NYSDEC dated July 9, 1998 that PCB remediation for the EVI parcel was complete and that no further action with respect to PCBs was recommended for the 5.5-acre parcel. The soils excavated during the remediation program were properly characterized and disposed.

Passive Free Product Recovery System Building 306, December 1998—*Subsurface Investigation Report Building 306* (HLA, April 1999)

Based on the discovery of small quantities of free product petroleum in an excavation adjacent to the north side of Building 306 in Parcel C during November 1998, SIC installed a passive free product recovery system. The system is inspected monthly and booms replaced, as required. No free product has been observed since the system was installed.

Passive Free Product Recovery System Building 332, December 1998—*Subsurface Investigation Report Former Tank Farm - Building 332* (HLA, April 1999)

Based on the discovery of free product petroleum adjacent to the former Building 332 USTs (MW-12D) in Parcel B during November 1998 SIC installed a passive free-product recovery system. The system was installed between January 13 and 14, 1999. The recovery system was installed between the piezometers where free product was observed. Daily monitoring of the system began on January 14, 1999, and was reduced to weekly monitoring after two weeks, due to lack of significant free product accumulation or recovery. Currently, the system is monitored monthly, and the absorbent media are replaced, as required.

ENA Pilot Study EVI Parcel, March-December 2000—Final Report, Enhanced Natural Attenuation Pilot Study, Nott Street Industrial Park (VHB, April 2000)

A remedial alternative evaluation for the EVI Parcel is documented in the HLA report entitled *Remedial Alternatives Evaluation Report* (HLA, 1998). The report concluded that based on strictly technical considerations, in-situ chemical oxidation was the only established technology then available that could effectively reduce the petroleum concentrations in the subsurface at this area. However, the established cost of this technology was prohibitive given the limited exposure potential and the value per acre. An alternative recommendation was made by HLA to implement an enhanced natural attenuation (ENA) pilot-testing program to assess this remediation technology.

A Phase I ENA Pilot Study was conducted by Weston during March 2000. Phase I activities included: 1) sampling of existing groundwater monitoring wells in the vicinity of the pilot study area; 2) testing groundwater for geochemical parameters to determine whether subsurface conditions were favorable for natural attenuation; 3) collecting subsurface soil samples beneath the water table within the ENA pilot study area, adjacent to the wells indicated above, to establish baseline conditions; and 4) preparing a report summarizing the Phase I program. Results of the Phase I study indicated that subsurface conditions were favorable for ENA. The Phase I results are presented in a Weston report entitled *Enhanced Natural Attenuation Pilot Study Phase I Investigation Results* (Weston, May 2000).

Based on the results of the Phase I ENA Pilot Study, Weston concluded that biodegradation was occurring at a moderate to high rate in the vicinity of monitoring wells EVIMW-6 and EVIMW-7. In addition, it was concluded that biodegradation was occurring at monitoring wells EVIMW-3 and EVIMW-8 at a slow to moderate rate and that biodegradation was not occurring at EVIMW-1 and EVIMW-2. The limiting factor was concluded to be the availability of oxygen in the subsurface. Therefore, Weston recommended that a Phase II Study be conducted to determine if the injection of slow-release oxygen compounds into the subsurface will likely increase the biodegradation rates and accelerate Park remediation.

Phase 2 activities began on May 23 and 24, 2000, when three 20-foot deep groundwater monitoring wells (ENAP-01, -02 and -03) were installed in a line approximately 15 feet from each other within the EVI parcel. Groundwater was encountered at a depth of approximately 13 feet. The wells were installed to assess groundwater conditions during the six-month Oxygen Release Compound (ORC) assessment period. Groundwater sampling was performed on the morning of June 8, 2000, to establish baseline groundwater conditions prior to ORC injection. On June 8 and 9, 2000, approximately 60 pounds each of ORC was direct injected at two upgradient locations from each well (total of six injection points) using a Geoprobe. The

ORC powder was mixed with water to create a slurry and injected at a depth of approximately 13-15 feet.

Subsequent to the ORC injection, monthly groundwater sampling was performed from July through December 2000, to measure PAH, dissolved oxygen, carbon dioxide and iron concentrations, pH, and temperature. After two months of groundwater monitoring, it became clear that the groundwater PAH concentrations were essentially "non-detect". The analytical suite was then altered; PAH analyses were omitted and total petroleum hydrocarbons (TPH) analysis was instead performed. TPH concentrations were also very low during the testing period. VHB noted that the goal of the pilot study was to assess effects on soil remediation and not to demonstrate that the ORC could significantly reduce groundwater petroleum hydrocarbon concentrations. Rather, the primary reasons for monitoring groundwater were, first to measure the ENA activity indicators (oxygen and carbon dioxide) and, second, to assess if any beneficial effects on groundwater petroleum hydrocarbon concentrations were observed.

At the end of the six month period, Geoprobe explorations were advanced within the oxygenated area to assess the effectiveness of ORC at reducing TPH concentrations within the test area. Results of this sampling indicate that, while the number of samples in which PAHs were detected generally decreased from the baseline sampling, the concentrations in those samples where PAHs were detected generally increased. The highest concentrations were detected in ENAGP-05 and ENAGP-06.

Based on the results of the pilot study, VHB concluded that ORC assisted ENA is not a viable remediation technology for the Park. Although the Phase 1 test results showed that subsurface conditions were favorable for ENA, the ORC failed to demonstrate ability to enhance/accelerate the reduction of subsurface petroleum hydrocarbon concentrations, either in soil or groundwater. VHB theorized that that the ORC was ineffective because the subsurface petroleum may be too weathered, rendering the material highly resistant to further biological degradation. Further, VHB recommended that no additional effort be invested in testing this technology based on the results of the pilot study.

Soil Excavation and Well Install Activities—Soil Excavation and Monitoring Well Installation Activities Report, Nott Street Industrial Park, Schenectady, New York (VHB, December 17, 2003)

On September 4, 2003, nine cubic yards of PCB-impacted soil were removed from the north side of the office attached to Building 346 in Parcel A. Following review of results of soil sampling within the excavation, on September 9, 2003, another 0.21 cubic yards of impacted soil was removed from the southern side of the initial excavation. Post excavation soil samples indicated that PCB concentrations were below regulatory criteria.

On September 9, 2003, ten cubic yards of low-level mercury-impacted soil was excavated at the northwest corner of Building 342 in Parcel B. Following review of results of soil sampling within the excavation, on September 17, 2003, another 1.1 cubic yards of impacted soil was removed from the northern side of the initial excavation. Post excavation soil samples indicated that mercury concentrations were below regulatory criteria.

On September 2 and 3, 2003, five monitoring wells were installed near MW-36. Soils encountered during drilling included two to four feet of fill material underlain by interbedded medium to very coarse sands and silty to fine sandy clay. During development activities, the presence of a petroleum-like odor and oil sheen on the drummed purge water was observed.

Area 4 LNAPL Recovery Active Treatment System for MW-36 Series—Area 3 and 4 Report for Stipulation #R4-391, Corrective Action Plan Items, Kleinfelder, 2007

In response to an NYSDEC directive (May 2005), SIC had Kleinfelder design and install an active LNAPL recovery system. The Ferret Pump system, which removes floating LNAPL from MW-36, MW-36B, and MW-36C, went on line on January 12, 2006. This system was chosen as the results of the drawdown test in 2005 indicated a pump and treat type system would produce large quantities of water with a localized to no capture zone. The system continues to operate.

Surface Soil Samples
Table 1a - Summary of Volatile Organic Compound (VOC) Results (EPA Method 8260)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		SS-1	SS-2	SS-3	SS-4	SS-5	SS-5DUP	SS-6
Depth (ft):	NYSDEC	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17
Sample Date:	TAGM 4046	11/27/00	11/27/00	11/27/00	11/27/00	11/27/00	11/27/00	11/27/00
Acetone	0.2	0.057 U	0.051 UJ	0.056 UJ	0.053 UJ	0.055 U	0.056 U	0.057 U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on page 4.

Surface Soil Samples
Table 1a - Summary of Volatile Organic Compound (VOC) Results (EPA Method 8260)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		SS-7	SS-8	SS-9	SS-10	SS-11	SS-12	SS-13
Depth (ft):	NYSDEC	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17
Sample Date:	TAGM 4046	11/27/00	11/27/00	11/27/00	11/27/00	11/28/00	11/28/00	11/28/00
Acetone	0.2	.059 UJ	0.055 UJ	R	0.058 U	0.05 U	0.052 U	0.060 UJ

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on page 4.

Surface Soil Samples
Table 1a - Summary of Volatile Organic Compound (VOC) Results (EPA Method 8260)

Analyte		**Sample Collection Designation & Collection Date**						
Source:		1	1	1	1	1	1	1
Sample ID:		SS-14	SS-15	SS-16	SS-16DUP	SS-17	SS-18	SS-19
Depth (ft):	NYSDEC	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17
Sample Date:	TAGM 4046	11/28/00	11/28/00	11/28/00	11/28/00	11/28/00	11/28/00	11/28/00
Acetone	0.2	0.054 UJ	0.052 UJ	0.054 U	0.055 UJ	0.055 UJ	0.050 UJ	0.052 U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on page 4.

Surface Soil Samples
Table 1a - Summary of Volatile Organic Compound (VOC) Results (EPA Method 8260)

Analyte		Sample Collection Designation & Collection Date	
Source:		1	1
Sample ID:		SS-20	SS-21
Depth (ft):	NYSDEC	0-0.17	0-0.17
Sample Date:	TAGM 4046	11/28/00	11/28/00
Acetone	0.2	0.048 UJ	0.051 U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.

Notes:
DUP = Duplicate sample
U = The compound or analyte was not detected at the Practical Quantitation (PQL), or Method Detection Limit (MDL).
J = The compound or analyte was positively identified, but the associated numerical value is an estimated concentration. This qualifier is used when the data evaluation procedure identifies a deficiency in the data generation process. This qualifier is also used when a compound or analyte is detected at estimated concentrations less than the PQL, or MDL.
R = Indicates that the previously reported detection limit or sample result has been rejected due to a significant deficiency in the data generation process. The data should not be used for any qualitative or quantitative purposes.

Surface Soil Samples

Table 1b - Summary of Semivolatile Organic Compound (SVOC) Results (EPA Method 8270)

Analyte		**Sample Collection Designation & Collection Date**						
Source:		1	1	1	1	1	1	1
Sample ID:		SS-1	SS-2	SS-3	SS-4	SS-5	SS-5DUP	SS-6
Depth (ft):	NYSDEC	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17
Sample Date:	TAGM 4046	11/27/00	11/27/00	11/27/00	11/27/00	11/27/00	11/27/00	11/27/00
2-Methylnaphthalene	36.4	0.47 UJ	0.36 U	0.39 UJ	0.042 J	4.0 U	0.38 U	0.38 U
3,3'-Dichlorobenzidine	ns	0.38 UJ	0.36 U	0.39 UJ	0.37 U	4.0 U	0.38 U	0.38 U
4-Methylphenol	0.9	0.38 U	0.36 U	0.39 U	0.37 U	4.0 U	0.38 U	0.38 U
Acenaphthene	50.0	2.2 J	0.68 1	J	0.13 J	0.97 J	0.16 J	0.34 J
Acenaphthylene	41.0	0.28 J	0.091 J	0.096 J	0.37 U	0.81 J	0.81	0.37 J
Anthracene	50.0	4.2 J	1.1 1.5	J	0.16 J	1.8 J	0.78	0.96
Benzo(a)anthracene	0.224 or MDL	**14 DJ**	**7.0 D**	**7.9 DJ**	**1**	**8.3**	**5.9**	**4**
Benzo(a)pyrene	0.061 or MDL	**11 DJ**	**4.8**	**4.8 J**	**1.2**	**9.9**	**8.9 D**	**3.2**
Benzo(b)fluoranthene	1.1	**18 DJ**	**12 D**	**5.1 J**	**2.4**	**24**	**20 D**	**4.1**
Benzo(g,h,i)perylene	50.0	4.8 J	2.7 3	J	0.95	8.2	5	1.3
Benzo(k)fluoranthene	1.1	**4.4 J**	**2.4**	**1.9 J**	0.89 0.89		**3.8 U**	**1.6**
Bis(2-ethylhexyl) phthalate	50.0	0.38 UJ	0.36 U	0.39 UJ	0.37 U	0.37 U	0.38 U	0.38 U
Butylbenzylphthalate	50.0	0.38 UJ	0.36 U	0.39 UJ	0.37 U	0.37 U	0.18 J	0.38 U
Carbazole	ns	1.8 J	0.59 0.39	UJ	0.072 J	0.072 J	0.33 J	0.43
Chrysene	0.4	**12 DJ**	**5.4**	**5.3 J**	**1**	**1**	**8.7 D**	**2.8**
Di-n-butyl phthalate	8.1	0.38 UJ	0.36 U	0.82 J	0.37 U	0.37 U	0.044 J	0.38 U
Di-n-octyl phthalate	50.0	0.38 UJ	0.36 U	0.35 J	0.37 U	0.37 U	0.04 J	0.38 U
Dibenzo(a,h)anthracene	0.014 or MDL	**2.1 J**	**0.85**	**0.073 J**	**0.37 U**	**0.37 U**	**1.4**	**0.73**
Dibenzofuran	6.2	0.85 J	0.28 J	0.39 UJ	0.04 J	0.040 J	0.13 J	0.23 J
Diethyl phthalate	7.1	0.38 UJ	0.055 J	0.39 UJ	0.37 U	0.37 U	0.38 U	0.38 U
Dimethyl phthalate	2.0	0.38 UJ	0.36 U	0.39 UJ	0.37 U	0.37 U	0.38 U	0.38 U
Fluoranthene	50.0	31 DJ	14 D	14 DJ	1.1	1.1	13 D	9.9 D
Fluorene	50.0	1.3 J	0.4 0.48	J	0.042 J	0.042 J	0.1 J	0.28 J
Indeno(1,2,3-cd)pyrene	3.2	**5.1 J**	**2.8** 2.6	J	0.37 U	**0.37 U**	**5**	1.6
N-nitrosodiphenylamine	ns	0.38 UJ	0.36 U	0.39 UJ	0.37 U	0.37 U	0.38 U	0.38 U
Naphthalene	13.0	0.71 U	0.36 U	0.39 U	0.062 J	0.062 J	0.38 U	0.41 U
Phenanthrene	50.0	20 DJ	7.9 D	7.9 DJ	0.79	0.79	2.2	4.5
Pyrene	50.0	31 DJ	13 D	15 DJ	2.2	2.2	16 D	9.3 D

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.

Surface Soil Samples
Table 1b - Summary of Semivolatile Organic Compound (SVOC) Results (EPA Method 8270)

Analyte		**Sample Collection Designation & Collection Date**						
Source:		1	1	1	1	1	1	1
Sample ID:		SS-7	SS-8	SS-9	SS-10	SS-11	SS-12	SS-13
Depth (ft):	NYSDEC	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17
Sample Date:	TAGM 4046	11/27/00	11/27/00	11/27/00	11/27/00	11/28/00	11/28/00	11/28/00
2-Methylnaphthalene	36.4	0.55 U	0.38 U	0.39 U	0.39 U	3.6 U	3.6 U	1.5 J
3,3'-Dichlorobenzidine	ns	0.42 U	0.38 U	0.39 U	0.39 U	3.6 U	3.6 U	3.9 U
4-Methylphenol	0.9	0.069 J	0.38 U	0.39 U	0.39 U	3.6 U	3.6 U	3.9 U
Acenaphthene	50.0	1.4 0.14	J	0.39 U	0.39 U	3.6 U	3.6 U	0.43 J
Acenaphthylene	41.0	0.41 J	0.2 J	0.39 U	0.39 U	3.6 U	3.6 U	3.1 J
Anthracene	50.0	3.3 U	0.37 J	0.39 U	0.39 U	1 J	3.6 U	3.2 J
Benzo(a)anthracene	0.224 or MDL	**11 D**	**1.6** 0.08	J	0.091 J	**1.1 J**	3.6 U	**15**
Benzo(a)pyrene	0.061 or MDL	**9.4 D**	**1.7**	**0.13 J**	**0.11 J**	**0.96 J**	3.6 U	**16**
Benzo(b)fluoranthene	1.1	**15 D**	**2.5** 0.23	J	0.17 J	**1.9 J**	3.6 U	**40**
Benzo(g,h,i)perylene	50.0	4.1	1.2 0.096	J	0.068 J	3.6 U	3.6 U	13
Benzo(k)fluoranthene	1.1	**3.6**	0.73 0.074	J	0.1 J	**2 J**	3.6 U	**16**
Bis(2-ethylhexyl) phthalate	50.0	0.42 U	0.15 J	0.39 U	0.39 U	3.6 U	3.6 U	3.9 U
Butylbenzylphthalate	50.0	0.093 J	0.38 U	0.39 U	0.39 U	3.6 U	3.6 U	3.9 U
Carbazole	ns	2 U	0.22 J	0.39 U	0.39 U	3.6 U	3.6 U	0.63 J
Chrysene	0.4	**9.3 D**	**1.3** 0.097	J	0.085 J	**0.86 J**	3.6 U	**18**
Di-n-butyl phthalate	8.1	0.42 U	0.38 U	0.39 U	0.39 U	3.6 U	3.6 U	3.9 U
Di-n-octyl phthalate	50.0	0.42 U	0.38 U	0.39 U	0.39 U	3.6 U	3.6 U	3.9 U
Dibenzo(a,h)anthracene	0.014 or MDL	**1.4** 0.38	U	0.39 U	0.39 U	3.6 U	3.6 U	**5.4**
Dibenzofuran	6.2	0.96 0.075	J	0.39 U	0.39 U	3.6 U	3.6 U	0.67 J
Diethyl phthalate	7.1	0.42 U	0.38 U	0.39 U	0.39 U	3.6 U	3.6 U	3.9 U
Dimethyl phthalate	2.0	0.42 U	0.19 J	0.39 U	0.39 U	3.6 U	3.6 U	3.9 U
Fluoranthene	50.0	27 D	2.9 0.16	J	0.13 J	1.9 J	3.6 U	30
Fluorene	50.0	1.1 0.099	J	0.39 U	0.39 U	3.6 U	3.6 U	3.9 U
Indeno(1,2,3-cd)pyrene	3.2	**4.3** 1.1		0.39 U	0.39 U	0.7 J	3.6 U	**59**
N-nitrosodiphenylamine	ns	0.42 U	0.38 U	0.39 U	0.39 U	3.6 U	3.6 U	3.9 U
Naphthalene	13.0	1.5 U	0.38 U	0.39 U	0.39 U	3.6 U	3.6 U	1.2 J
Phenanthrene	50.0	20 D	1.7 0.069	J	0.057 J	1 J	3.6 U	5.9
Pyrene	50.0	29 D	3.4 0.19	J	0.15 J	2.1 J	3.6 U	40

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.

Surface Soil Samples
Table 1b - Summary of Semivolatile Organic Compound (SVOC) Results (EPA Method 8270)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		SS-14	SS-15	SS-16	SS-16DUP	SS-17	SS-18	SS-19
Depth (ft):	NYSDEC	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17
Sample Date:	TAGM 4046	11/28/00	11/28/00	11/28/00	11/28/00	11/28/00	11/28/00	11/28/00
2-Methylnaphthalene	36.4	3.7 U	3.7 U	5.7 4.1		0.38 U	3.5 U	3.6 U
3,3'-Dichlorobenzidine	ns	3.7 U	3.7 U	3.8 U	3.9 U	0.38 U	3.5 U	3.6 U
4-Methylphenol	0.9	3.7 U	3.7 U	3.8 U	**3.9**	0.38 U	3.5 U	3.6 U
Acenaphthene	50.0	0.47 J	3.7 U	7.3 5.4		0.38 U	3.5 U	3.6 U
Acenaphthylene	41.0	3.7 U	3.7 U	0.45 J	3.9	0.38 U	3.5 U	3.6 U
Anthracene	50.0	0.82 J	1.4 J	14 9.5		0.38 U	3.5 U	3.6 U
Benzo(a)anthracene	0.224 or MDL	**2.1 J**	**1.6 J**	**49**	**35**	0.38 U	**0.78 J**	**1.1 J**
Benzo(a)pyrene	0.061 or MDL	**2.1 J**	**1.7 J**	**33**	**28**	0.38 U	**0.85 J**	**1.3 J**
Benzo(b)fluoranthene	1.1	**3.1 J**	**2.7 J**	**54**	**44**	0.38 U	**1.8 J**	**1.7 J**
Benzo(g,h,i)perylene	50.0	1.2 J	0.98 J	16 13		0.38 U	0.65 J	3.6 U
Benzo(k)fluoranthene	1.1	**1.9 J**	1 J	**23**	**17**	0.38 U	0.73 J	0.88 J
Bis(2-ethylhexyl) phthalate	50.0	3.7 U	3.7 U	3.8 U	3.9 U	0.38 U	3.5 U	3.6 U
Butylbenzylphthalate	50.0	3.7 U	3.7 U	3.8 U	3.9 U	0.38 U	3.5 U	3.6 U
Carbazole	ns	0.49 J	3.7 U	9.7 6.3		0.38 U	3.5 U	3.6 U
Chrysene	0.4	**1.9 J**	**1.2 J**	**38**	**28**	0.38 U	**0.68 J**	**1.1 J**
Di-n-butyl phthalate	8.1	3.7 U	3.7 U	3.8 U	3.9 U	0.38 U	3.5 U	3.6 U
Di-n-octyl phthalate	50.0	3.7 U	3.7 U	3.8 U	3.9 U	0.38 U	3.5 U	3.6 U
Dibenzo(a,h)anthracene	0.014 or MDL	3.7 U	3.7 U	**8.2**	**7**	0.38 U	3.5 U	3.6 U
Dibenzofuran	6.2	3.7 U	3.7 U	4.5 3	J	0.38 U	3.5 U	3.6 U
Diethyl phthalate	7.1	3.7 U	3.7 U	3.8 U	3.9 U	0.38 U	3.5 U	3.6 U
Dimethyl phthalate	2.0	3.7 U	3.7 U	3.8 U	3.9 U	0.38 U	3.5 U	3.6 U
Fluoranthene	50.0	5.3 3.9		**77 D**	**62 D**	0.38 U	1.6 J	2.2 J
Fluorene	50.0	0.43 J	3.7 U	5.4 3.6	J	0.38 U	3.5 U	3.6 U
Indeno(1,2,3-cd)pyrene	3.2	3.7 U	3.7 U	**95 J**	**73 J**	0.38 U	**3.3 J**	**4.5**
N-nitrosodiphenylamine	ns	3.7 U	3.7 U	3.8 U	3.9 U	0.38 U	3.5 U	3.6 U
Naphthalene	13.0	0.39 J	3.7 U	6.8 4.1		0.38 U	3.5 U	3.6 U
Phenanthrene	50.0	3.8 1.4	J	**57 D**	**55**	0.38 U	0.89 J	1.3 J
Pyrene	50.0	5.7 3.2	J	**77 D**	**56 D**	0.38 U	1.4 J	2.7 J

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.

Surface Soil Samples
Table 1b - Summary of Semivolatile Organic Compound (SVOC) Results (EPA Method 8270)

Analyte		**Sample Collection Designation & Collection Date**	
Source:		1	1
Sample ID:		SS-20	SS-21
Depth (ft):	NYSDEC	0-0.17	0-0.17
Sample Date:	TAGM 4046	11/28/00	11/28/00
2-Methylnaphthalene	36.4	3.5 U	3.4 U
3,3'-Dichlorobenzidine	ns	3.5 U	3.4 U
4-Methylphenol	0.9	3.5 U	3.4 U
Acenaphthene	50.0	3.5 U	3.4 U
Acenaphthylene	41.0	3.5 U	3.4 U
Anthracene	50.0	3.5 U	3.4 U
Benzo(a)anthracene	0.224 or MDL	3.5 U	3.4 U
Benzo(a)pyrene	0.061 or MDL	3.5 U	**0.36 J**
Benzo(b)fluoranthene	1.1	3.5 U	0.51 J
Benzo(g,h,i)perylene	50.0	3.5 U	3.4 U
Benzo(k)fluoranthene	1.1	3.5 U	3.4 U
Bis(2-ethylhexyl) phthalate	50.0	3.5 U	3.4 U
Butylbenzylphthalate	50.0	3.5 U	3.4 U
Carbazole	ns	3.5 U	3.4 U
Chrysene	0.4	3.5 U	3.4 U
Di-n-butyl phthalate	8.1	3.5 U	3.4 U
Di-n-octyl phthalate	50.0	3.5 U	3.4 U
Dibenzo(a,h)anthracene	0.014 or MDL	3.5 U	3.4 U
Dibenzofuran	6.2	3.5 U	3.4 U
Diethyl phthalate	7.1	3.5 U	3.4 U
Dimethyl phthalate	2.0	3.5 U	3.4 U
Fluoranthene	50.0	3.5 U	0.43 J
Fluorene	50.0	3.5 U	3.4 U
Indeno(1,2,3-cd)pyrene	3.2	3.5 U	3.4 U
N-nitrosodiphenylamine	ns	3.5 U	3.4 U
Naphthalene	13.0	3.5 U	3.4 U
Phenanthrene	50.0	3.5 U	3.4 U
Pyrene	50.0	3.5 U	0.53 J

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.

Notes:

DUP = Duplicate sample

U = The compound or analyte was not detected at the Practical Quantitation (PQL), or Method Detection Limit (MDL).

J = The compound or analyte was positively identified, but the associated numerical value is an estimated concentration. This qualifier is used when the data evaluation procedure identifies a deficiency in the data generation process. This qualifier is also used when a compound or analyte is detected at estimated concentrations less than the PQL, or MDL.

D = Identifies all compounds analyzed at a secondary dilution.

ns = No standard. Recommended soil cleanup objective is not available.

Surface Soil Samples
Table 1c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		Sample Collection Designation & Collection Date						
Source:		2	2	2	2	1	1	1
Sample ID:		SICSURS-1	SICSURS-2	SICSURS-3	SICSURS-4	SS-1	SS-2	SS-3
Depth (ft):	NYSDEC	0-0.5	0-0.5	0-0.5	0-0.5	0-0.17	0-0.17	0-0.17
Sample Date:	TAGM 4046	3/30/94	3/30/94	3/30/94	3/30/94	11/27/00	11/27/00	11/27/00
Aroclor-1248	ns	NA	NA	NA	NA	0.057 U	0.054 U	0.057 U
Aroclor-1254	ns	0.13	1.6	0.16	0.35	0.057 U	0.054 U	0.057 U
Aroclor-1260	ns	NA	NA	NA	NA	0.057 U	0.054 U	0.057 U
Total PCBs	1.0	NA	NA	NA	NA	0.057 U	0.054 U	0.057 U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on page 5.

Surface Soil Samples
Table 1c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		**Sample Collection Designation & Collection Date**						
Source:		1	1	1	1	1	1	1
Sample ID:		SS-4	SS-5	SS-5DUP	SS-6	SS-6	SS-6A	SS-6B
Depth (ft):	NYSDEC	0-0.17	0-0.17	0-0.17	0-0.17	0.5-1	0-0.17	0-0.17
Sample Date:	TAGM 4046	11/27/00	11/27/00	11/27/00	11/27/00	6/5/01	6/5/01	6/5/01
Aroclor-1248	ns	0.052 U	0.060 U	0.054 U	0.56 U	0.045 U	0.041 U	0.042 U
Aroclor-1254	ns	0.052 U	0.060 U	0.054 U	6.2 0.12		0.4 0.85	
Aroclor-1260	ns	0.052 U	0.060 U	0.054 U	0.56 U	0.082 0.076		0.18
Total PCBs	1.0	0.052 U	0.060 U	0.054 U	**6.2**	0.202	0.476	**1.03**

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on page 5.

Surface Soil Samples
Table 1c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		**Sample Collection Designation & Collection Date**						
Source:		1	1	1	1	1	1	1
Sample ID:		SS-6C	SS-6D	SS-7	SS-8	SS-9	SS-10	SS-11
Depth (ft):	NYSDEC	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17
Sample Date:	TAGM 4046	6/5/01	6/5/01	11/27/00	11/27/00	11/27/00	11/27/00	11/28/00
Aroclor-1248	ns	0.42 U	0.4 U	0.064 U	0.056 U	0.054 U	0.43 0.055	U
Aroclor-1254	ns	3.7 4.8		0.064 U	0.056 U	0.054 U	0.059 U	0.055 U
Aroclor-1260	ns	0.46 0.71		0.064 U	0.056 U	0.054 U	0.059 U	0.11
Total PCBs	1.0	**4.16**	**5.51** 0.064	U	0.056 U	0.054 U	0.43	0.11

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on page 5.

Surface Soil Samples
Table 1c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		**Sample Collection Designation & Collection Date**						
Source:		1	1	1	1	1	1	1
Sample ID:		SS-12	SS-13	SS-14	SS-15	SS-16	SS-16DUP	SS-17
Depth (ft):	NYSDEC	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17
Sample Date:	TAGM 4046	11/28/00	11/28/00	11/28/00	11/28/00	11/28/00	11/28/00	11/28/00
Aroclor-1248	ns	0.8 0.059	U	0.055 U	0.10 U	0.11 U	0.12 U	0.052 UJ
Aroclor-1254	ns	0.054 U	0.059 U	0.055 U	0.10 U	0.11 U	0.12 U	0.052 UJ
Aroclor-1260	ns	0.054 U	0.059 U	0.055 U	0.10 U	0.11 U	0.12 U	0.052 UJ
Total PCBs	1.0	0.80	0.059 U	0.055 U	0.10 U	0.11 U	0.12 U	0.052 UJ

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on page 5.

Surface Soil Samples
Table 1c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		Sample Collection Designation & Collection Date			
Source:		1	1	1	1
Sample ID:		SS-18	SS-19	SS-20	SS-21
Depth (ft):	NYSDEC	0-0.17	0-0.17	0-0.17	0-0.17
Sample Date:	TAGM 4046	11/28/00	11/28/00	11/28/00	11/28/00
Aroclor-1248	ns	0.053 U	0.054 U	0.11 U	0.049 U
Aroclor-1254	ns	0.053 U	0.054 U	0.39 0.12	
Aroclor-1260	ns	0.053 U	0.054 U	0.11 U	0.099
Total PCBs	1.0	0.053 U	0.054 U	0.39	0.22

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.

Notes:
DUP = Duplicate sample
U = The compound or analyte was not detected at the Practical Quantitation (PQL), or Method Detection Limit (MDL).
ns = No standard. Recommended soil cleanup objective is not available.
NA = Sample was not analyzed for this constituent.

Surface Soil Samples
Table 1d - Summary of Total Petroleum Hydrocarbon (TPH) Results

Analyte		Sample Collection Designation & Collection Date						
Source:		2	2	2	2	2	2	2
Sample ID:		SICSURS-01	SICSURS-1A	SICSURS-2	SICSURS-3	SICSURS-4	SICSURS-5	SICSURS-6
Depth (ft):	NYSDEC	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5
Sample Date:	TAGM 4046	3/30/94	4/14/94	3/30/94	3/30/94	3/30/94	4/1/94	4/1/94
Total Petroleum Hydrocarbons	ns	214	124	223	330	130	100	43.6 U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

See notes on page 2.

Surface Soil Samples
Table 1d - Summary of Total Petroleum Hydrocarbon (TPH) Results

Analyte		Sample Collection Designation & Collection Date		
Source:		2	2	2
Sample ID:		SICSURS-07	SICSURS-8	SICSURS-9
Depth (ft):	NYSDEC	0-0.5	0-0.5	0-0.5
Sample Date:	TAGM 4046	4/1/94	4/1/94	4/1/94
Total Petroleum Hydrocarbons	ns	46.9 U	58.8 U	45.8 U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Notes:
U = The compound or analyte was not detected at the Practical Quantitation (PQL), or Method Detection Limit (MDL).
ns = No standard. Recommended soil cleanup objective is not available.

Surface Soil Samples
Table 1e - Summary of Hydrocarbon Fingerprinting Results (NYS Method DOH 310-13/14)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7
Depth (ft):	NYSDEC	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17
Sample Date:	TAGM 4046	11/27/00	11/27/00	11/27/00	11/27/00	11/27/00	11/27/00	11/27/00
Diesel Fuel	ns	11 U	10 U	12 U	11 U	12 U	12 U	12 U
Fuel Oil (#4)	ns	11 U	10 U	110 JN	11 U	12 U	12 U	12 U
Fuel Oil (#6)	ns	180	140	12 U	11 U	85	84	170
Kerosene	ns	11 U	11 U	12 U	11 U	12 U	12 U	13 U
Lubricating Oil	ns	11 U	11 U	12 U	180	160	12 U	13 U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on page 4.

Surface Soil Samples
Table 1e - Summary of Hydrocarbon Fingerprinting Results (NYS Method DOH 310-13/14)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		SS-8	SS-9	SS-10	SS-11	SS-12	SS-13	SS-14
Depth (ft):	NYSDEC	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17
Sample Date:	TAGM 4046	11/27/00	11/27/00	11/27/00	11/28/00	11/28/00	11/28/00	11/28/00
Diesel Fuel	ns	11 U	12 U	12 U	11 U	11 U	12 U	11 U
Fuel Oil (#4)	ns	11 U	12 U	12 U	11 U	11 U	12 U	11 U
Fuel Oil (#6)	ns	33	12 U	12 U	11 U	11 U	370	21
Kerosene	ns	11 U	12 U	12 U	11 U	11 U	12 U	11 U
Lubricating Oil	ns	11 U	12 U	12 U	350	1,300	12 U	11 U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on page 4.

Surface Soil Samples
Table 1e - Summary of Hydrocarbon Fingerprinting Results (NYS Method DOH 310-13/14)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		SS-15	SS-16	SS-16DUP	SS-17	SS-18	SS-19	SS-20
Depth (ft):	NYSDEC	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17
Sample Date:	TAGM 4046	11/28/00	11/28/00	11/28/00	11/28/00	11/28/00	11/28/00	11/28/00
Diesel Fuel	ns	10 U	11 U	12 U	11 U	11 U	11 U	110 U
Fuel Oil (#4)	ns	10 U	11 U	12 U	11 U	11 U	11 U	110 U
Fuel Oil (#6)	ns	10 U	220	220	11 U	11 U	27	110 U
Kerosene	ns	11 U	12 U	12 U	12 U	11 U	11 U	110 U
Lubricating Oil	ns	490	12 U	12 U	12 U	11 U	11 U	2,000

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on page 4.

Surface Soil Samples
Table 1e - Summary of Hydrocarbon Fingerprinting Results (NYS Method DOH 310-13/14)

Analyte		Sample Collection Designation & Collection Date
Source:		1
Sample ID:		SS-21
Depth (ft):	NYSDEC	0-0.17
Sample Date:	TAGM 4046	11/28/00
Diesel Fuel	ns	95 U
Fuel Oil (#4)	ns	95 U
Fuel Oil (#6)	ns	95 U
Kerosene	ns	99 U
Lubricating Oil	ns	2,300

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.

Notes:
DUP = Duplicate sample
U = The compound or analyte was not detected at the Practical Quantitation (PQL), or Method Detection Limit (MDL).
JN = The compound or analyte was tentatively identified and the associated numerical value is an estimated concentration. This qualifier is used when the data evaluation procedure identifies a deficiency in the data generation process.
ns = No standard. Recommended soil cleanup objective is not available.

Surface Soil Samples
Table 1f - Summary of Inorganic Results (EPA Method 6000/7000)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		SS-1	SS-2	SS-3	SS-4	SS-5	SS-5DUP	SS-6
Depth (ft):	NYSDEC	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17
Sample Date:	TAGM 4046	11/27/00	11/27/00	11/27/00	11/27/00	11/27/00	11/27/00	11/27/00
Aluminum	SB	6,040	8,880	10,200 6,500	7,290		9,520	7,700
Antimony	SB	3.17 UJ	3.06 UJ	3.06 UJ	3.58 J	3.34 UJ	2.88 UJ	3.5 UJ
Arsenic	7.5 or SB	**19.8**	**14.2**	**8.59** 5.29	U	**19.6**	**30.8**	**26.3**
Barium	300 or SB	172 J	77.7 J	82.9 J	263 J	92.6 J	110 J	105 J
Beryllium	0.16 or SB	**0.416**	**0.663**	**0.84** 0.36	U	**.405 U**	**0.353**	**0.696**
Cadmium	1 or SB	**1.25** 0.727		0.93	**1.36** .806		**1.07**	0.754
Calcium	SB	46,200	85,700 71,500	41,300	34,800		32,600	21,500
Chromium	10 or SB	**41.2**	**26.2**	**15.3**	**18.2**	**50.6**	**61.6**	**32**
Cobalt	30 or SB	8.95	6.44 3.33	5.29	7.49		10.1	12.5
Copper	25 or SB	**159 J**	**49.7 J**	**35.7 J**	**57.6 J**	**51.2 J**	**80 J**	**101 J**
Iron	2,000 or SB	**42,100**	**25,100**	**8,550**	**14,400**	**37,100**	**57,000**	**44,700**
Lead	SB	279	63.7 58.2	86.7		153	185	100
Magnesium	SB	18,300	37,800 20,200	11,900	17,100		15,400	9,360
Manganese	SB	380 J	319 J	392 J	252 J	280 J	417 J	314 J
Mercury	0.1	**0.575**	**0.288**	**5.18**	**0.102**	**.564**	**0.584**	**1.19**
Nickel	13 or SB	**43.9**	**20.9**	**24.4**	**13.1**	**21.8**	**37.6**	**47.1**
Potassium	SB	1,520 J	4,860 J	1,710 J	1,420 J	1,570 J	1,900 J	1,730 J
Silver	SB	0.688 0.514	U	0.513 U	0.498 U	.560 U	0.613	0.587 U
Sodium	SB	119 J	112 J	409 J	100 J	109 J	134 J	302 J
Vanadium	150 or SB	22.9	21.5	63	19.4	27.4	32.4	29.4
Zinc	20 or SB	**161 J**	**41.5 J**	**206 J**	**1,450 J**	**120 J**	**124 J**	**89.9 J**

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on page 4.

Surface Soil Samples
Table 1f - Summary of Inorganic Results (EPA Method 6000/7000)

Analyte		**Sample Collection Designation & Collection Date**						
Source:		1	1	1	1	1	1	1
Sample ID:		SS-7	SS-8	SS-9	SS-10	SS-11	SS-12	SS-13
Depth (ft):	NYSDEC	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17
Sample Date:	TAGM 4046	11/27/00	11/27/00	11/27/00	11/27/00	11/28/00	11/28/00	11/28/00
Aluminum	SB	10,600 11,600	11,700	10,800		7,870	9,520	13,400
Antimony	SB	3.24 UJ	3.26 UJ	3.42 UJ	3.24 UJ	3.19 U	3.08 U	3.33 U
Arsenic	7.5 or SB	**13.3** 5.82	U	6.11 U	5.79 U	**11.1** 5.5	U	**12.6**
Barium	300 or SB	143 J	117 J	52.5 J	45.6 J	117	49.9	64.7
Beryllium	0.16 or SB	**0.609**	**0.743** 0.416	U	0.394 U	0.387 U	0.374 U	**0.425**
Cadmium	1 or SB	**1.09** 0.721	0.514	U	0.486 U	**3.89** 0.462	U	0.512
Calcium	SB	39,800	75,000 3,310	3,080		110,000 J	102,000 J	17,300 J
Chromium	10 or SB	**43.5**	**24.5**	**13**	**13.1**	**51.9 J**	**10.7 J**	**35.4 J**
Cobalt	30 or SB	8.19 4.86	4.26	4.08		8.29	3.68	4.08
Copper	25 or SB	**74.9 J**	**58 J**	11 J	11 J	**113 J**	7.6 J	**34.8 J**
Iron	2,000 or SB	**27,100**	**18,800**	**13,100**	**12,400**	**56,000**	**9,750**	**25,200**
Lead	SB	148 66.6	11.3	10.9		85.6	13.2	104
Magnesium	SB	16,000	25,300 2,930	2,570		37,600 J	13,700 J	9,110 J
Manganese	SB	429 J	326 J	197 J	178 J	558 J	164 J	212 J
Mercury	0.1	**0.832**	**0.256**	**0.117** 0.0647		**0.146** 0.0328		**0.18**
Nickel	13 or SB	**80.9**	**24.5** 9.84	8.98		**57.9** 9.54		**26.5**
Potassium	SB	2,580 J	2,350 J	2,410 J	2,150 J	3,980 J	3,300 J	1,420 J
Silver	SB	0.544 U	0.547 U	0.575 U	0.544 U	0.779 0.517	U	0.559 U
Sodium	SB	205 J	323 J	122 J	111 J	149 J	153 J	191 J
Vanadium	150 or SB	120 30.7	25.5	23.5		32.1 J	32.2 J	34.2 J
Zinc	20 or SB	**262 J**	**161 J**	**35.5 J**	**34.5 J**	**191 J**	**29.2 J**	**110 J**

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on page 4.

Surface Soil Samples
Table 1f - Summary of Inorganic Results (EPA Method 6000/7000)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		SS-14	SS-15	SS-16	SS-16DUP	SS-17	SS-18	SS-19
Depth (ft):	NYSDEC	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17
Sample Date:	TAGM 4046	11/28/00	11/28/00	11/28/00	11/28/00	11/28/00	11/28/00	11/28/00
Aluminum	SB	12,900	12,600	11,600	7,330	4,880 3,060	2,510	
Antimony	SB	3.22 U	2.96 U	3.05 U	3.5	3.04 U	2.9 U	3.08 U
Arsenic	7.5 or SB	5.74 U	5.28 U	**10.4**	**8.39**	5.43 U	**11.4**	**11.6**
Barium	300 or SB	76.6	107	124	106	18.2	70.2	79.5
Beryllium	0.16 or SB	**0.476**	**0.472**	**1.28**	**0.724**	0.369 U	**0.367** 0.374	U
Cadmium	1 or SB	0.483 U	0.444 U	0.542	0.524 U	0.456 U	0.438	0.937
Calcium	SB	20,600 J	87,500 J	29,900 J	19,100 J	828 J	129,000 J	103,000 J
Chromium	10 or SB	**16.2 J**	**15.2 J**	**65.7 J**	**20.1 J**	6.55 J	**19.9 J**	**49.6 J**
Cobalt	30 or SB	5.36	5.27	4.9	4.97	2.79	5.21	6.84
Copper	25 or SB	17.4 J	12.2 J	22.6 J	21.5 J	6.71 J	**49.9 J**	**379 J**
Iron	2,000 or SB	**14,700**	**12,700**	**18,800**	**17,200**	**8,550**	**19,400**	**40,800**
Lead	SB	31.8 17.2		68.9	69.5	5.43 U	26	58.3
Magnesium	SB	6,730 J	24,500 J	6,100 J	7,620 J	1,340 J	45,800 J	41,300 J
Manganese	SB	303 J	323 J	1890 J	309 J	105 J	261 J	395 J
Mercury	0.1	0.0703 0.0312		**0.138**	**0.132**	0.0242 U	0.0684 0.0935	
Nickel	13 or SB	12.7	12	**21.8**	**18.9**	5.74	**51.7**	**89.8**
Potassium	SB	3,800 J	4,140 J	1,470 J	1,350 J	768 J	1,660 J	985 J
Silver	SB	0.54 U	0.497 U	0.511 U	0.587 U	0.51 U	0.487 U	0.587
Sodium	SB	206 J	234 J	630 J	329 J	72.4 J	122 J	119 J
Vanadium	150 or SB	35.5 J	35.8 J	50.6 J	49.5 J	14.5 J	17.9 J	18.5 J
Zinc	20 or SB	**60.1 J**	**40.6 J**	**65.9 J**	**70.1 J**	**21.4 J**	**66.2 J**	**97.2 J**

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on page 4.

Surface Soil Samples
Table 1f - Summary of Inorganic Results (EPA Method 6000/7000)

Analyte		Sample Collection Designation & Collection Date	
Source:		1	1
Sample ID:		SS-20	SS-21
Depth (ft):	NYSDEC	0-0.17	0-0.17
Sample Date:	TAGM 4046	11/28/00	11/28/00
Aluminum	SB	2,850 3,240	
Antimony	SB	3.11 U	2.87 U
Arsenic	7.5 or SB	**11.5**	**9.73**
Barium	300 or SB	35.8	44.1
Beryllium	0.16 or SB	0.377 U	0.348 U
Cadmium	1 or SB	0.466 U	0.514
Calcium	SB	83,000 J	91,500 J
Chromium	10 or SB	**11 J**	**47.8 J**
Cobalt	30 or SB	5.2	6.5
Copper	25 or SB	**65.1 J**	**130 J**
Iron	2,000 or SB	**26,300**	**37,500**
Lead	SB	78 83.6	
Magnesium	SB	37,600 J	38,800 J
Manganese	SB	241 J	364 J
Mercury	0.1	**0.177**	**0.197**
Nickel	13 or SB	**17.5**	**70.4**
Potassium	SB	1,110 J	1,010 J
Silver	SB	0.521 U	0.481 U
Sodium	SB	377 J	470 J
Vanadium	150 or SB	27.9 J	60.9 J
Zinc	20 or SB	**24.3 J**	**52.9 J**

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.

Notes:
DUP = Duplicate sample
U = The compound or analyte was not detected at the Practical Quantitation (PQL), or Method Detection Limit (MDL).
J = The compound or analyte was positively identified, but the associated numerical value is an estimated concentration. This qualifier is used when the data evaluation procedure identifies a deficiency in the data generation process. This qualifier is also used when a compound or analyte is detected at estimated concentrations less than the PQL, or MDL.
SB = Site background

Data in this workbook is taken from the following sources:

1 Blasland, Bouck & Lee, Inc., February 2002, Draft Site Investigation Summary Report.
2 Dames & Moore, July 1994, Summary of Investigations.

Note:

The source of the data is identified in the source row for each sample.

NYSDEC TAGM #4046 values are taken from New York State Department of Environmental Conservation Division of Environmental Remediation Guidance Document, Technical and Administrative Guidance Memorandum #4046, Determination of Soil Cleanup Objectives and Cleanup Levels, Appendix A Recommended Soil Cleanup Objectives, January 24, 1994.

As per the TAGM, total VOCs must be less than 10 mg/kg, total SVOCs must be less than 500 mg/kg and individual SVOCs must be less than 50 mg/kg.

Analytical method information is included in the table headings if available; however, this information was not available for every sample.

Soil Boring Samples
Table 2a - Summary of Volatile Organic Compound (VOC) Results (EPA Method 8260)

Analyte		Sample Collection Designation & Collection Date						
Source:		3	3	3	1	1	1	1
Sample ID:		B5-14	B6-15.5	B10-13.5	MW-6	MW-7	MW-8	MW-9
Depth (ft):	NYSDEC	14-15	15.5-16.5	13.5-14.5	23-25	9-11	5-7	6-8
Sample Date:	TAGM 4046	5/14/97	5/13/97	5/14/97	4/1/1994	3/31/1994	3/31/1994	3/28/1994
1,2,4-Trimethylbenzene	ns	NA	NA	670	NA	NA	NA	NA
2-Butanone	0.3	NA	NA	NA	NA	NA	NA	NA
4-Isopropyltoluene	ns	NA	910	860	NA	NA	NA	NA
Acetone	0.2	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5.5	NA	NA	NA	NA	NA	NA	NA
m&p Xylene	ns	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	0.1	NA	NA	NA	0.0043	0.0059	0.0027	0.0054
Naphthalene	13.0	NA	NA	2,700	NA	NA	NA	NA
n-Butylbenzene	ns	680	2,100	1,700	NA	NA	NA	NA
o-Xylene	ns	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	ns	NA	760	680	NA	NA	NA	NA
Tetrachloroethene	1.4	NA	NA	NA	0.002 U	0.002 U	0.002 U	0.002 U
Toluene	1.5	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	0.7	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	0.2	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	1.2	NA	NA	NA	NA	NA	NA	NA

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on page 13.

Soil Boring Samples
Table 2a - Summary of Volatile Organic Compound (VOC) Results (EPA Method 8260)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	2	2	2	2
Sample ID:		MW-9 DUP	MW-11	MW-12	MW-12 DUP	MW-17	MW-18	MW-19
Depth (ft):	NYSDEC	6-8	9-11	7-9	7-9	12-14	10-12	12-14
Sample Date:	TAGM 4046	3/28/1994	3/29/1994	3/31/1994	34424	11/23/99	11/17/99	11/29/99
1,2,4-Trimethylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
2-Butanone	0.3	NA	NA	NA	NA	NA	NA	NA
4-Isopropyltoluene	ns	NA	NA	NA	NA	NA	NA	NA
Acetone	0.2	NA	NA	NA	NA	0.064 U	0.046 U	0.032 JN
Ethylbenzene	5.5	NA	NA	NA	NA	NA	NA	NA
m&p Xylene	ns	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	0.1	0.0039	0.0295	0.0042	0.0025	0.056 J	0.021 J	0.058 U
Naphthalene	13.0	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ns	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	1.4	0.002 U	0.002 U	0.0033	0.002 U	0.064 U	0.046 U	0.0076 J
Toluene	1.5	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	0.7	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	0.2	NA	NA	NA	NA	0.064 U	0.046 U	0.0061 J
Xylenes (total)	1.2	NA	NA	NA	NA	NA	NA	NA

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on page 13.

Soil Boring Samples
Table 2a - Summary of Volatile Organic Compound (VOC) Results (EPA Method 8260)

Analyte		Sample Collection Designation & Collection Date						
Source:		2	2	2	2	2	2	2
Sample ID:		MW-20	MW-20	MW-22	MW-25	MW-26	MW-27	MW-28
Depth (ft):	NYSDEC	10-12	12-14	10-12	12-14	12-14	12-14	12-14
Sample Date:	TAGM 4046	11/18/99	11/18/99	11/29/99	11/17/99	11/17/99	11/18/99	11/18/99
1,2,4-Trimethylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
2-Butanone	0.3	NA	NA	NA	NA	NA	NA	NA
4-Isopropyltoluene	ns	NA	NA	NA	NA	NA	NA	NA
Acetone	0.2	0.1 U	0.1 U	0.026 JN	0.055 U	0.053 U	0.044 U	0.056 U
Ethylbenzene	5.5	NA	NA	NA	NA	NA	NA	NA
m&p Xylene	ns	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	0.1	0.051 J	0.061 J	0.058 U	0.0070 J	0.023 J	0.0084 J	0.026 J
Naphthalene	13.0	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ns	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	1.4	0.1 U	0.1 U	0.058 U	0.055 U	0.053 U	0.044 U	0.056 U
Toluene	1.5	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	0.7	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	0.2	0.1 U	0.1 U	0.058 U	0.055 U	0.053 U	0.044 U	0.056 U
Xylenes (total)	1.2	NA	NA	NA	NA	NA	NA	NA

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on page 13.

Soil Boring Samples
Table 2a - Summary of Volatile Organic Compound (VOC) Results (EPA Method 8260)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-28	MW-29	MW-31	MW-32	MW-32	MW-32	MW-32
Depth (ft):	NYSDEC	14-16	10-12	12-14	0-1	1-3	3-5	9-11
Sample Date:	TAGM 4046	11/18/99	11/18/99	11/30/99	11/08/00	11/08/00	11/08/00	11/08/00
1,2,4-Trimethylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
2-Butanone	0.3	NA	NA	NA	0.051 U	0.051 U	0.051 U	0.054 U
4-Isopropyltoluene	ns	NA	NA	NA	NA	NA	NA	NA
Acetone	0.2	0.056 U	0.062 U	0.020 JN	0.051 UJ	0.051 UJ	0.051 UJ	0.054 UJ
Ethylbenzene	5.5	NA	NA	NA	0.051 U	0.051 U	0.051 U	0.054 U
m&p Xylene	ns	NA	NA	NA	0.051 U	0.051 U	0.051 U	0.054 U
Methylene Chloride	0.1	0.034 J	0.046 J	0.063 UJ	NA	NA	NA	NA
Naphthalene	13.0	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ns	NA	NA	NA	0.051 U	0.051 U	0.051 U	0.054 U
sec-Butylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	1.4	0.053 U	0.062 U	0.063 U	0.051 U	0.051 U	0.051 U	0.054 U
Toluene	1.5	NA	NA	NA	0.051 U	0.051 U	0.051 U	0.054 U
Trichloroethene	0.7	NA	NA	NA	0.051 U	0.051 U	0.051 U	0.054 U
Vinyl Chloride	0.2	0.053 U	0.062 U	0.063 U	NA	NA	NA	NA
Xylenes (total)	1.2	NA	NA	NA	0.051 U	0.051 U	0.051 U	0.054 U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on page 13.

Soil Boring Samples
Table 2a - Summary of Volatile Organic Compound (VOC) Results (EPA Method 8260)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-33	MW-33	MW-33	MW-33	MW-34	MW-34	MW-34
Depth (ft):	NYSDEC	0-2	2-4	4-6	10-12	0-2	2-4	4-6
Sample Date:	TAGM 4046	11/13/00	11/13/00	11/13/00	11/13/00	11/09/00	11/09/00	11/09/00
1,2,4-Trimethylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
2-Butanone	0.3	0.048 U	0.055 U	0.053 U	0.061 U	0.048 U	0.053 U	0.047 U
4-Isopropyltoluene	ns	NA	NA	NA	NA	NA	NA	NA
Acetone	0.2	0.048 U	0.055 U	0.053 U	0.061 U	0.048 UJ	0.053 UJ	0.047 UJ
Ethylbenzene	5.5	0.048 U	0.055 U	0.053 U	0.061 U	0.048 U	0.053 U	0.047 U
m&p Xylene	ns	0.048 U	0.055 U	0.053 U	0.061 U	0.0074 J	0.053 U	0.047 U
Methylene Chloride	0.1	NA	NA	NA	NA	NA	NA	NA
Naphthalene	13.0	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ns	0.048 U	0.055 U	0.053 U	0.061 U	0.048 U	0.053 U	0.047 U
sec-Butylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	1.4	0.048 U	0.055 U	0.053 U	0.061 U	0.048 U	0.053 U	0.047 U
Toluene	1.5	0.048 U	0.055 U	0.053 U	0.061 U	0.048 U	0.053 U	0.047 U
Trichloroethene	0.7	0.048 U	0.055 U	0.053 U	0.061 U	0.048 U	0.053 U	0.047 U
Vinyl Chloride	0.2	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	1.2	0.048 U	0.055 U	0.053 U	0.061 U	0.0074	0.053 U	0.047 U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on page 13.

Soil Boring Samples
Table 2a - Summary of Volatile Organic Compound (VOC) Results (EPA Method 8260)

Analyte		**Sample Collection Designation & Collection Date**						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-34	MW-34	MW-35	MW-35	MW-35	MW-35	MW-35
Depth (ft):	NYSDEC	8-10	12-14	0-2	2-4	4-6	8-10	20-22
Sample Date:	TAGM 4046	11/09/00	11/09/00	11/13/00	11/13/00	11/13/00	11/13/00	11/13/00
1,2,4-Trimethylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
2-Butanone	0.3	1.1 U	1.2 U	0.052 UJ	0.058 U	1.2 U	1.2 U	0.053 U
4-Isopropyltoluene	ns	NA	NA	NA	NA	NA	NA	NA
Acetone	0.2	**0.34 J**	**0.50 J**	0.052 UJ	0.058 U	1.2 U	1.2 U	0.053 U
Ethylbenzene	5.5	1.1 U	1.2 U	0.052 UJ	0.058 UJ	1.2 U	1.2 U	0.053 U
m&p Xylene	ns	1.1 U	1.2 U	0.052 UJ	0.016 J	1.2 U	1.2 U	0.01 J
Methylene Chloride	0.1	NA	NA	NA	NA	NA	NA	NA
Naphthalene	13.0	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ns	1.1 U	1.2 U	0.052 UJ	0.0065 J	1.2 U	1.2 U	0.053 U
sec-Butylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	1.4	1.1 U	1.2 U	0.052 UJ	0.058 UJ	1.2 U	1.2 U	0.053 U
Toluene	1.5	1.1 U	1.2 U	0.052 UJ	0.0082 J	1.2 U	1.2 U	0.0055 J
Trichloroethene	0.7	1.1 U	1.2 U	0.052 UJ	0.058 U	1.2 U	1.2 U	0.053 U
Vinyl Chloride	0.2	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	1.2	1.1 U	1.2 U	0.052 UJ	0.024 J	1.2 U	1.2 U	0.01 J

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on page 13.

Soil Boring Samples
Table 2a - Summary of Volatile Organic Compound (VOC) Results (EPA Method 8260)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-36	MW-36	MW-36	MW-36	MW-36	MW-36A	MW-36A
Depth (ft):	NYSDEC	0-2	2-4	4-6	8-10	20-22	0-2	2-4
Sample Date:	TAGM 4046	11/14/00	11/14/00	11/14/00	11/14/00	11/14/00	11/15/00	11/15/00
1,2,4-Trimethylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
2-Butanone	0.3	0.049 U	0.051 U	1 U	1.1 U	0.052 U	0.053 U	0.048 U
4-Isopropyltoluene	ns	NA	NA	NA	NA	NA	NA	NA
Acetone	0.2	0.049 UJ	0.075 U	1 U	1.1 U	0.052 U	0.053 UJ	0.048 U
Ethylbenzene	5.5	0.049 U	0.051 U	1 U	1.1 U	0.052 U	0.053 U	0.048 U
m&p Xylene	ns	0.049 U	0.051 U	1 U	1.1 U	0.052 U	0.053 U	0.048 U
Methylene Chloride	0.1	NA	NA	NA	NA	NA	NA	NA
Naphthalene	13.0	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ns	0.049 U	0.051 U	1 U	1.1 U	0.052 U	0.053 U	0.048 U
sec-Butylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	1.4	0.049 U	0.051 U	1 U	1.1 U	0.052 U	0.053 U	0.048 U
Toluene	1.5	0.049 U	0.051 U	1 U	1.1 U	0.052 U	0.053 U	0.048 U
Trichloroethene	0.7	0.049 U	0.051 U	1 U	1.1 U	0.052 U	0.053 U	0.048 U
Vinyl Chloride	0.2	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	1.2	0.049 U	0.051 UJ	1 U	1.1 U	0.052 U	0.053 U	0.048 U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on page 13.

Soil Boring Samples
Table 2a - Summary of Volatile Organic Compound (VOC) Results (EPA Method 8260)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-36A	MW-36A	MW-36A	MW-37	MW-37	MW-37	MW-38
Depth (ft):	NYSDEC	4-6	8-10	10-12	2-4	8-10	15-17	0-2
Sample Date:	TAGM 4046	11/15/00	11/15/00	11/15/00	11/10/00	11/10/00	11/10/00	11/09/00
1,2,4-Trimethylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
2-Butanone	0.3	0.052 U	1.1 U	1.1 U	0.049 U	0.050 U	0.27 J	0.050 U
4-Isopropyltoluene	ns	NA	NA	NA	NA	NA	NA	NA
Acetone	0.2	0.052 UJ	1.1 U	1.1 U	0.049 U	0.050 UJ	**0.34 J**	0.050 UJ
Ethylbenzene	5.5	0.052 U	1.1 U	1.1 U	0.049 U	0.050 U	1.2 U	0.050 U
m&p Xylene	ns	0.052 U	1.1 U	1.1 U	0.049 U	0.050 U	1.2 U	0.050 U
Methylene Chloride	0.1	NA	NA	NA	NA	NA	NA	NA
Naphthalene	13.0	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ns	0.052 U	1.1 U	1.1 U	0.049 U	0.050 U	1.2 U	0.050 U
sec-Butylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	1.4	0.052 U	1.1 U	1.1 U	0.049 U	0.050 U	1.2 U	0.050 U
Toluene	1.5	0.052 U	1.1 U	1.1 U	0.049 U	0.050 U	1.2 U	0.050 U
Trichloroethene	0.7	0.052 U	1.1 U	1.1 U	0.049 U	0.050 U	1.2 U	0.050 U
Vinyl Chloride	0.2	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	1.2	0.052 U	1.1 U	1.1 U	0.049 U	0.050 U	1.2 U	0.050 U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on page 13.

Soil Boring Samples
Table 2a - Summary of Volatile Organic Compound (VOC) Results (EPA Method 8260)

Analyte		**Sample Collection Designation & Collection Date**						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-38	MW-38	MW-39	MW-39	MW-39	MW-39	MW-39
Depth (ft):	NYSDEC	6-8	10-12	0-2	2-4	4-6	6-8	12-14
Sample Date:	TAGM 4046	11/09/00	11/09/00	11/09/00	11/09/00	11/09/00	11/09/00	11/09/00
1,2,4-Trimethylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
2-Butanone	0.3	1.3 U	1.2 U	0.046 U	0.051 U	0.050 U	1.2 U	1.2 U
4-Isopropyltoluene	ns	NA	NA	NA	NA	NA	NA	NA
Acetone	0.2	**0.34 J**	**0.46 J**	0.02 UJ	0.051 UJ	0.050 UJ	1.2 U	**0.32 J**
Ethylbenzene	5.5	0.45 J	0.14 J	0.046 U	0.051 U	0.050 U	1.2 U	1.2 U
m&p Xylene	ns	0.98 J	0.38 J	0.046 U	0.051 U	0.050 U	1.2 U	1.2 U
Methylene Chloride	0.1	NA	NA	NA	NA	NA	NA	NA
Naphthalene	13.0	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ns	0.29 J	0.13 J	0.046 U	0.051 U	0.050 U	1.2 U	1.2 U
sec-Butylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	1.4	1.3 U	1.2 U	0.046 U	0.051 U	0.050 U	1.2 U	1.2 U
Toluene	1.5	0.31 J	1.2 U	0.046 U	0.051 U	0.050 U	1.2 U	1.2 U
Trichloroethene	0.7	1.3 U	1.2 U	0.046 U	0.051 U	0.050 U	1.2 U	1.2 U
Vinyl Chloride	0.2	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	1.2	**1.3** 0.51		0.046 U	0.051 U	0.050 U	1.2 U	1.2 U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on page 13.

Soil Boring Samples
Table 2a - Summary of Volatile Organic Compound (VOC) Results (EPA Method 8260)

Analyte		**Sample Collection Designation & Collection Date**						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-39	MW-40	MW-40	MW-40	MW-41	MW-41	MW-41
Depth (ft):	NYSDEC	20-22	2-4	12-14	18-20	0-2	2-4	8-10
Sample Date:	TAGM 4046	11/09/00	11/08/00	11/08/00	11/08/00	11/10/00	11/10/00	11/10/00
1,2,4-Trimethylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
2-Butanone	0.3	1.2 U	0.049 U	1.3 U	1.2 U	0.051 U	0.060 U	1.2 U
4-Isopropyltoluene	ns	NA	NA	NA	NA	NA	NA	NA
Acetone	0.2	**0.38 J**	0.049 UJ	1.3 U	1.2 U	R	R	**0.61 J**
Ethylbenzene	5.5	1.2 U	0.049 U	1.3 U	1.2 U	0.051 U	0.06 U	1.2 U
m&p Xylene	ns	1.2 U	0.049 U	1.3 U	1.2 U	0.051 U	0.060 UJ	0.12 J
Methylene Chloride	0.1	NA	NA	NA	NA	NA	NA	NA
Naphthalene	13.0	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ns	1.2 U	0.049 U	1.3 U	1.2 U	0.051 U	0.060 U	1.2 U
sec-Butylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	1.4	1.2 U	0.049 U	1.3 U	1.2 U	0.051 U	0.069 J	0.61 J
Toluene	1.5	1.2 U	0.049 U	1.3 U	1.2 U	0.051 U	0.060 U	1.2 U
Trichloroethene	0.7	1.2 U	0.049 U	1.3 U	1.2 U	0.051 U	0.060 U	1.2 U
Vinyl Chloride	0.2	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	1.2	1.2 U	0.049 U	1.3 U	1.2 U	0.051 U	0.060 UJ	0.12

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on page 13.

Soil Boring Samples
Table 2a - Summary of Volatile Organic Compound (VOC) Results (EPA Method 8260)

Analyte		**Sample Collection Designation & Collection Date**						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-42	MW-42	MW-42	MW-42	MW-42	MW-43	MW-46
Depth (ft):	NYSDEC	0-2	2-4	4-6	8-10	14-16	20-22	12-14
Sample Date:	TAGM 4046	11/09/00	11/09/00	11/09/00	11/09/00	11/09/00	11/14/00	5/23/01
1,2,4-Trimethylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
2-Butanone	0.3	0.052 U	0.052 U	0.047 U	1.1 U	1.2 U	0.060 U	0.87 U
4-Isopropyltoluene	ns	NA	NA	NA	NA	NA	NA	NA
Acetone	0.2	0.052 UJ	0.052 UJ	0.047 UJ	1.1 U	**0.42 J**	0.088 U	0.87 U
Ethylbenzene	5.5	0.052 U	0.052 U	0.047 U	1.1 U	1.2 U	0.060 U	0.43 U
m&p Xylene	ns	0.052 U	0.052 U	0.047 U	1.1 U	1.2 U	0.060 U	NA
Methylene Chloride	0.1	NA	NA	NA	NA	NA	NA	NA
Naphthalene	13.0	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ns	0.052 U	0.052 U	0.047 U	1.1 U	1.2 U	0.060 U	NA
sec-Butylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	1.4	0.052 U	0.052 U	0.047 U	1.1 U	1.2 U	0.060 U	**11**
Toluene	1.5	0.052 U	0.052 U	0.047 U	1.1 U	1.2 U	0.060 U	0.43 U
Trichloroethene	0.7	0.052 U	0.052 U	0.047 U	1.1 U	1.2 U	0.060 U	0.43 U
Vinyl Chloride	0.2	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	1.2	0.052 U	0.052 U	0.047 U	1.1 U	1.2 U	0.060 U	0.87 U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on page 13.

Soil Boring Samples
Table 2a - Summary of Volatile Organic Compound (VOC) Results (EPA Method 8260)

Analyte		**Sample Collection Designation & Collection Date**						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-46	MW-47	MW-48	MW-48DUP	TMW-1	TMW-3	TMW-3
Depth (ft):	NYSDEC	22-24	14-14.9	12-13	12-13	8-10	6-8	10-12
Sample Date:	TAGM 4046	5/23/01	5/21/01	5/22/01	5/22/01	11/16/00	11/9/00	11/9/00
1,2,4-Trimethylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
2-Butanone	0.3	3.4 U	0.014 U	0.013 U	0.013 U	0.064	0.06 U	0.28 J
4-Isopropyltoluene	ns	NA	NA	NA	NA	NA	NA	NA
Acetone	0.2	3.4 U	0.028 U	0.027 U	0.026 U	0.087 UJ	0.06 UJ	**0.38 J**
Ethylbenzene	5.5	1.7 U	0.0071 U	0.0067 U	0.0065 U	0.064 U	0.06 U	1.2 U
m&p Xylene	ns	NA	NA	NA	NA	0.0052 J	0.06 U	0.34 J
Methylene Chloride	0.1	NA	NA	NA	NA	NA	NA	NA
Naphthalene	13.0	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ns	NA	NA	NA	NA	0.064 U	0.06 U	1.2 U
sec-Butylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	1.4	**22,000 D**	0.0071 U	0.0067 U	0.0065 U	0.064 U	0.06 U	1.2 U
Toluene	1.5	1.7 U	0.0071 U	0.012 0.0065	U	0.0099 J	0.06 U	0.53 J
Trichloroethene	0.7	**57** 0.0071	U	0.0067 U	0.0065 U	0.064 U	0.06 U	1.2 U
Vinyl Chloride	0.2	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	1.2	3.4 U	0.014 U	0.013 U	0.013 U	0.0052	0.06 U	0.34

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on page 13.

Soil Boring Samples
Table 2a - Summary of Volatile Organic Compound (VOC) Results (EPA Method 8260)

Analyte		Sample Collection Designation & Collection Date		
Source:		1	1	1
Sample ID:		TMW-4	TMW-5	TMW-5
Depth (ft):	NYSDEC	8-10	8-10	12-14
Sample Date:	TAGM 4046	11/15/00	11/16/00	11/16/00
1,2,4-Trimethylbenzene	ns	NA	NA	NA
2-Butanone	0.3	0.053 U	1.2 U	1.3 U
4-Isopropyltoluene	ns	NA	NA	NA
Acetone	0.2	0.053 U	1.2 U	1.3 U
Ethylbenzene	5.5	0.053 U	1.2 U	1.3 U
m&p Xylene	ns	0.053 U	1.2 U	1.3 U
Methylene Chloride	0.1	NA	NA	NA
Naphthalene	13.0	NA	NA	NA
n-Butylbenzene	ns	NA	NA	NA
o-Xylene	ns	0.053 U	1.2 U	1.3 U
sec-Butylbenzene	ns	NA	NA	NA
Tetrachloroethene	1.4	0.053 U	1.2 U	1.3 U
Toluene	1.5	0.018 J	1.2 U	0.14 J
Trichloroethene	0.7	0.053 U	1.2 U	1.3 U
Vinyl Chloride	0.2	NA	NA	NA
Xylenes (total)	1.2	0.053 U	1.2 U	1.3 U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.

Notes:
DUP = Duplicate sample
U = The compound or analyte was not detected at the Practical Quantitation (PQL), or Method Detection Limit (MDL).
J = The compound or analyte was positively identified, but the associated numerical value is an estimated concentration. This qualifier is used when the data evaluation procedure identifies a deficiency in the data generation process. This qualifier is also used when a compound or analyte is detected at estimated concentrations less than the PQL, or MDL.
R = Indicates that the previously reported detection limit or sample result has been rejected due to a significant deficiency in the data generation process. The data should not be used for any qualitative or quantitative purposes.
JN = The compound or analyte was tentatively identified and the associated numerical value is an estimated concentration. This qualifier is used when the data evaluation procedure identifies a deficiency in the data generation process.
ns = No standard. Recommended soil cleanup objective is not available.
NA = Sample was not analyzed for this constituent.

Soil Boring Samples
Table 2b - Summary of Semivolatile Organic Compound (SVOC) Results (EPA Method 8270)

Analyte		Sample Collection Designation & Collection Date						
Source:		3	3	3	3	3	3	3
Sample ID:		B1-15	B2-1	B2-16	B5-14	B6-15.5	B7-15	B8-14
Depth (ft):	NYSDEC	15-16.5	1-2.5	16-16.5	14-15	15.5-16.5	15-16	14-14.5
Sample Date:	TAGM 4046	5/14/1997	5/14/97	5/14/97	5/14/97	5/13/97	5/13/97	5/14/97
2,4-Dinitrotoluene	ns	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	36.4	NA	NA	NA	**2,100**	**2,500**	NA	NA
3,3'-Dichlorobenzidine	ns	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	0.500 or MDL	NA	NA	**780**	NA	NA	NA	NA
4-Bromophenyl-phenylether	ns	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	0.240 or MDL	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl-phenylether	ns	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	0.9	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	50.0	**2,600**	NA	**470**	**1,300**	**2,700**	NA	NA
Acenaphthylene	41.0	NA	NA	NA	NA	NA	NA	NA
Anthracene	50.0	NA	NA	**1,600**	NA	**1,200**	NA	NA
Benzo(a)anthracene	0.224 or MDL	NA	**430**	**2,300**	**810**	**480**	**1,600**	**840**
Benzo(a)pyrene	0.061 or MDL	NA	**500**	**510**	NA	NA	**1,200**	**490**
Benzo(b)fluoranthene	1.1	NA	**660**	NA	NA	NA	**2,100**	**620**
Benzo(g,h,i)perylene	50.0	NA	**420**	NA	NA	NA	**1,100**	NA
Benzo(k)fluoranthene	1.1	NA	NA	NA	NA	NA	**700**	NA
bis(2-Ethylhexyl)phthalate	50.0	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	50.0	NA	NA	NA	NA	NA	NA	NA
Carbazole	ns	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.4	NA	**600**	**2,100**	**980**	**510**	**2,000**	**850**
Dibenzo(a,h)anthracene	0.014 or MDL	NA	NA	NA	NA	NA	**420**	NA
Dibenzofuran	6.2	NA	NA	NA	NA	**960**	NA	NA
Diethyl phthalate	7.1	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	2.0	NA	NA	NA	NA	NA	NA	NA
Di-n-butyl phthalate	8.1	NA	NA	NA	NA	NA	NA	NA
Di-n-octyl phthalate	50.0	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	50.0	NA	**600**	NA	**870**	**840**	**1,700**	**2,200**
Fluorene	50.0	**3,600**	NA	NA	**3,100**	**5,400**	NA	NA
Indeno(1,2,3-cd)pyrene	3.2	NA	**420**	NA	NA	NA	**1,000**	NA
Naphthalene	13.0	NA	NA	NA	**1,400**	**2,300**	NA	NA
N-Nitrosodiphenylamine	ns	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	50.0	NA	NA	**1,700**	**950**	**1,800**	**800**	**1,300**
Pyrene	50.0	NA	**610**	**4,000**	**3,000**	**2,000**	**1,700**	**1,500**

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent
See notes on page 15.

Soil Boring Samples
Table 2b - Summary of Semivolatile Organic Compound (SVOC) Results (EPA Method 8270)

Analyte		Sample Collection Designation & Collection Date						
Source:		3	3	3	3	3	3	3
Sample ID:	NYSDEC	B10-13.5	B12-10	EVI-4,11	EVI-5,9	EVI-6,10	EVI-7, 13.5	EVI-8,11
Depth (ft):	TAGM 4046	13.5-14.5	10-12	11-11.5	9-10	10-11	13.5 - 14.2	11-12
Sample Date:		5/14/97	5/13/97	5/12/1997	5/12/1997	5/12/1997	5/12/1997	5/12/1997
2,4-Dinitrotoluene	ns	NA	NA	570	NA	NA	520	
2-Methylnaphthalene	36.4	NA	NA	NA	NA	NA	**640**	**550**
3,3'-Dichlorobenzidine	ns	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	0.500 or MDL	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	ns	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	0.240 or MDL	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl-phenylether	ns	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	0.9	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	50.0	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	41.0	NA	NA	NA	NA	NA	NA	NA
Anthracene	50.0	NA	NA	**690**	NA	NA	NA	NA
Benzo(a)anthracene	0.224 or MDL	NA	NA	**1,100**	**590**	**2,300**	NA	**1,300**
Benzo(a)pyrene	0.061 or MDL	NA	NA	**850**	**490**	**2,300**	NA	**1,000**
Benzo(b)fluoranthene	1.1	NA	**640**	**1,100**	**960**	**3,700**	NA	**1,300**
Benzo(g,h,i)perylene	50.0	NA	**400**	**500**	NA	NA	NA	**740**
Benzo(k)fluoranthene	1.1	NA	NA	NA	NA	NA	NA	**440**
bis(2-Ethylhexyl)phthalate	50.0	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	50.0	NA	NA	NA	NA	NA	NA	NA
Carbazole	ns	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.4	NA	NA	**1,200**	**800**	**3,400**	NA	**1,500**
Dibenzo(a,h)anthracene	0.014 or MDL	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	6.2	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	7.1	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	2.0	NA	NA	NA	NA	NA	NA	NA
Di-n-butyl phthalate	8.1	NA	NA	NA	NA	NA	NA	NA
Di-n-octyl phthalate	50.0	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	50.0	**410,000**	**400**	**2,600**	**1,000**	**2,200**	NA	**2,800**
Fluorene	50.0	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	3.2	NA	NA	**460**	NA	NA	NA	**710**
Naphthalene	13.0	NA	NA	**420**	NA	NA	NA	NA
N-Nitrosodiphenylamine	ns	NA	NA		NA	NA	NA	NA
Phenanthrene	50.0	**440,000**	NA	**3,200**	**490**	**2,400**	**460**	**2,200**
Pyrene	50.0	**360,000**	**390**	**2,000**	**670**	**2,800**	NA	**1,800**

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent
See notes on page 15.

Soil Boring Samples
Table 2b - Summary of Semivolatile Organic Compound (SVOC) Results (EPA Method 8270)

Analyte		Sample Collection Designation & Collection Date						
Source:		2	2	2	2	2	2	2
Sample ID:		MW-17	MW-17	MW-18	MW-19	MW-20	MW-20	MW-21
Depth (ft):	NYSDEC	10-12	12-14	10-12	12-14	10-12	12-14	12-14
Sample Date:	TAGM 4046	11/23/99	11/23/99	11/17/99	11/29/99	11/18/99	11/18/99	11/23/99
2,4-Dinitrotoluene	ns	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	36.4	0.4 U	0.42 U	0.81 J	0.4 U	5.1	6.0	0.11 J
3,3'-Dichlorobenzidine	ns	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	0.500 or MDL	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	ns	0.4 U	0.42 U	1.9 U	0.4 U	0.41 U	0.42 U	0.4 U
4-Chloro-3-Methylphenol	0.240 or MDL	0.4 U	0.42 U	1.9 U	0.4 U	0.41 U	0.42 U	0.4 U
4-Chlorophenyl-phenylether	ns	0.4 U	0.42 U	1.9 U	0.4 U	0.41 U	0.42 U	0.4 U
4-Methylphenol	0.9	0.4 U	0.42 U	1.9 U	0.4 U	0.41 U	0.42 U	0.082 J
Acenaphthene	50.0	0.98 JN	0.22 J	1.1 J	0.4 U	0.50 JN	0.70 JN	0.4 U
Acenaphthylene	41.0	0.4 U	0.42 U	0.50 J	0.4 U	0.41 U	0.42 U	0.045 J
Anthracene	50.0	0.4 U	0.14 J	3.2	0.4 U	0.41	0.65	0.12 J
Benzo(a)anthracene	0.224 or MDL	0.4 U	0.42 U	4.8	0.4 U	0.41 U	0.42 U	0.46
Benzo(a)pyrene	0.061 or MDL	0.4 U	0.42 U	3.5	0.4 U	0.41 U	0.42 U	0.32 J
Benzo(b)fluoranthene	1.1	0.4 U	0.42 U	4.6	0.4 U	0.41 U	0.42 U	0.59
Benzo(g,h,i)perylene	50.0	0.4 U	0.42 U	2.3 J	0.4 U	0.41 U	0.42 U	0.29 J
Benzo(k)fluoranthene	1.1	0.4 U	0.42 U	**1.7 J**	0.4 U	0.41 U	0.42 U	0.4 U
bis(2-Ethylhexyl)phthalate	50.0	0.4 U	1.3	0.44 J	0.4 U	0.048 J	0.091 J	0.21 J
Butylbenzylphthalate	50.0	NA	NA	NA	NA	NA	NA	NA
Carbazole	ns	0.4 U	0.4 U	1.8 J	0.4 U	0.41 U	0.42 U	0.069 J
Chrysene	0.4	0.4 U	0.42 U	**4.5**	0.4 U	0.41 U	0.42 U	**0.60**
Dibenzo(a,h)anthracene	0.014 or MDL	0.4 U	0.42 U	**0.75 J**	0.4 U	0.41 U	0.42 U	0.4 U
Dibenzofuran	6.2	0.4 U	0.42 U	1.3 J	0.4 U	0.41 U	0.42 U	0.058 J
Diethyl phthalate	7.1	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	2.0	NA	NA	NA	NA	NA	NA	NA
Di-n-butyl phthalate	8.1	0.4 U	0.42 U	1.9 U	0.4 U	0.41 U	0.42 U	0.042 J
Di-n-octyl phthalate	50.0	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	50.0	0.060 J	0.059 J	12	0.4 U	0.066 J	0.10 J	0.57
Fluorene	50.0	0.96	0.50	1.7 J	0.4 U	0.61	0.82	0.074 J
Indeno(1,2,3-cd)pyrene	3.2	0.4 U	0.42 U	1.6 J	0.4 U	0.41 U	0.42 U	0.28 J
Naphthalene	13.0	0.4 U	0.42 U	2.1	0.4 U	0.41 U	0.42 U	0.18 J
N-Nitrosodiphenylamine	ns	0.4 U	0.42 U	1.9 U	0.4 U	0.41 U	0.42 U	0.4 U
Phenanthrene	50.0	2.7	0.17 J	13	0.4 U	1.6	2.5	0.43
Pyrene	50.0	0.14 J	0.024 J	11	0.4 U	0.16 J	0.23 J	0.72

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent
See notes on page 15.

Soil Boring Samples

Table 2b - Summary of Semivolatile Organic Compound (SVOC) Results (EPA Method 8270)

Analyte		**Sample Collection Designation & Collection Date**						
Source:		2	2	2	2	2	2	2
Sample ID:	NYSDEC	MW-22	MW-23	MW-24	MW-24	MW-25	MW-26	MW-27
Depth (ft):	TAGM 4046	10-12	12-14	12-14	18-20	12-14	12-14	12-14
Sample Date:		11/29/99	11/24/99	11/19/00	11/19/99	11/17/99	11/17/99	11/18/99
2,4-Dinitrotoluene	ns	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	36.4	0.062 J	0.35 J	0.38 U	0.39 U	0.39 U	0.4 U	0.38 U
3,3'-Dichlorobenzidine	ns	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	0.500 or MDL	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	ns	0.41 U	0.44 U	0.38 U	0.039 JN	0.39 U	0.4 U	0.38 U
4-Chloro-3-Methylphenol	0.240 or MDL	0.41 U	0.44 U	0.38 U	0.39 U	0.39 U	0.4 U	0.38 U
4-Chlorophenyl-phenylether	ns	0.41 U	0.44 U	0.38 U	0.044 J	0.39 U	0.4 U	0.38 U
4-Methylphenol	0.9	0.41 U	0.44 U	0.38 U	0.39 U	0.39 U	0.4 U	0.38 U
Acenaphthene	50.0	0.095 J	0.44 U	0.043 JN	0.084 J	0.049 JN	0.040 JN	0.38 U
Acenaphthylene	41.0	0.41 U	0.44 U	0.38 U	0.049 J	0.39 U	0.4 U	0.38 U
Anthracene	50.0	0.24 J	0.44 U	0.38 U	0.18 J	0.075 J	0.085 J	0.38 U
Benzo(a)anthracene	0.224 or MDL	**0.77**	0.44 U	0.38 U	**1.4**	**0.38 J**	**0.26 J**	0.38 U
Benzo(a)pyrene	0.061 or MDL	**0.81**	0.045 J	0.38 U	**1.4**	**0.45**	**0.24 J**	0.042 J
Benzo(b)fluoranthene	1.1	**1.3**	0.44 U	0.38 U	**2.7**	0.68	0.27 J	0.051 J
Benzo(g,h,i)perylene	50.0	0.46	0.44 U	0.38 U	0.79 0.32	J	0.11 J	0.38 U
Benzo(k)fluoranthene	1.1	0.40 J	0.44 U	0.38 U	0.80 0.21	J	0.13 J	0.38 U
bis(2-Ethylhexyl)phthalate	50.0	0.41 U	0.44 U	0.15 J	0.18 J	1.1	0.091 J	0.052 J
Butylbenzylphthalate	50.0	NA	NA	NA	NA	NA	NA	NA
Carbazole	ns	0.11 J	0.44 U	0.38 U	0.15 J	0.39 U	0.4 U	0.38 U
Chrysene	0.4	**0.85**	0.44 U	0.38 U	**1.6** 0.37	J	0.20 J	0.040 J
Dibenzo(a,h)anthracene	0.014 or MDL	**0.21 J**	0.44 U	0.38 U	**0.41**	**0.12 J**	**0.049 JN**	0.38 U
Dibenzofuran	6.2	0.075 J	0.44 U	0.38 U	0.059 J	0.39 U	0.4 U	0.38 U
Diethyl phthalate	7.1	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	2.0	NA	NA	NA	NA	NA	NA	NA
Di-n-butyl phthalate	8.1	0.41 U	0.44 U	0.38 U	0.39 U	0.39 U	0.4 U	0.38 U
Di-n-octyl phthalate	50.0	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	50.0	1.3	0.075 J	0.38 U	1.7 0.61		0.44	0.064 J
Fluorene	50.0	0.11 J	0.44 U	0.38 U	0.084 J	0.39 U	0.4 U	0.38 U
Indeno(1,2,3-cd)pyrene	3.2	0.45	0.44 U	0.38 U	0.75 0.31	J	0.12 J	0.38 U
Naphthalene	13.0	0.094 J	0.44 U	0.38 U	0.042 J	0.39 U	0.4 U	0.38 U
N-Nitrosodiphenylamine	ns	0.41 U	0.44 U	0.38 U	0.39 U	0.39 U	0.4 U	0.38 U
Phenanthrene	50.0	1.2	0.050 J	0.38 U	0.51 0.33	J	0.20 J	0.077 J
Pyrene	50.0	1.8	0.074 J	0.38 U	1.8 0.58		0.45	0.056 J

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent

See notes on page 15.

Soil Boring Samples
Table 2b - Summary of Semivolatile Organic Compound (SVOC) Results (EPA Method 8270)

Analyte		Sample Collection Designation & Collection Date						
Source:		2	2	2	2	2	2	1
Sample ID:	NYSDEC	MW-28	MW-28	MW-29	MW-30	MW-30	MW-31	MW-32
Depth (ft):	TAGM 4046	12-14	14-16	10-12	12-14	14-16	12-14	0-1
Sample Date:		11/18/99	11/18/99	11/18/99	11/19/99	11/19/99	11/30/99	11/08/00
2,4-Dinitrotoluene	ns	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	36.4	0.4 U	0.4 U	0.42 U	0.41 U	0.12 J	0.4 U	6.8 U
3,3'-Dichlorobenzidine	ns	NA	NA	NA	NA	NA	NA	6.8 U
3-Nitroaniline	0.500 or MDL	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	ns	0.4 U	0.4 U	0.42 U	0.41 U	0.4 U	0.4 U	NA
4-Chloro-3-Methylphenol	0.240 or MDL	0.4 U	0.4 U	0.42 U	R	**0.40**	0.4 U	NA
4-Chlorophenyl-phenylether	ns	0.4 U	0.4 U	0.42 U	0.41 U	0.4 U	0.4 U	NA
4-Methylphenol	0.9	0.4 U	0.4 U	0.42 U	R	0.4 U	0.4 U	6.8 U
Acenaphthene	50.0	0.4 U	0.4 U	0.42 U	0.41 U	0.17 J	0.4 U	6.8 U
Acenaphthylene	41.0	0.4 U	0.4 U	0.42 U	0.41 U	0.085 J	0.4 U	6.8 U
Anthracene	50.0	0.4 U	0.61	0.42 U	0.69 JN	0.36 J	0.4 U	6.8 U
Benzo(a)anthracene	0.224 or MDL	0.4 U	0.4 U	0.42 U	0.11 J	**0.56**	0.4 U	**1.1 J**
Benzo(a)pyrene	0.061 or MDL	0.4 U	0.4 U	0.42 U	**0.11 JN**	**0.45**	0.4 U	**1.5 J**
Benzo(b)fluoranthene	1.1	0.4 U	0.4 U	0.42 U	0.41 U	0.62	0.4 U	**1.7 J**
Benzo(g,h,i)perylene	50.0	0.4 U	0.4 U	0.42 U	0.41 U	0.24 J	0.4 U	6.8 U
Benzo(k)fluoranthene	1.1	0.4 U	0.4 U	0.42 U	0.41 U	0.24 J	0.4 U	0.81 J
bis(2-Ethylhexyl)phthalate	50.0	0.4 U	0.4 U	0.42 U	0.17 J	0.20 J	0.4 U	6.8 U
Butylbenzylphthalate	50.0	NA	NA	NA	NA	NA	NA	6.8 U
Carbazole	ns	0.4 U	0.4 U	0.42 U	0.41 U	0.16 J	0.4 U	6.8 U
Chrysene	0.4	0.4 U	0.4 U	0.42 U	0.41 UJ	**0.44**	0.4 U	**1 J**
Dibenzo(a,h)anthracene	0.014 or MDL	0.4 U	0.4 U	0.42 U	0.41 U	**0.12 J**	0.4 U	6.8 U
Dibenzofuran	6.2	0.4 U	0.4 U	0.42 U	0.41 U	0.14 J	0.4 U	6.8 U
Diethyl phthalate	7.1	NA	NA	NA	NA	NA	NA	6.8 U
Dimethyl phthalate	2.0	NA	NA	NA	NA	NA	NA	6.8 U
Di-n-butyl phthalate	8.1	0.4 U	0.4 U	0.42 U	0.41 U	0.057 J	0.4 U	6.8 U
Di-n-octyl phthalate	50.0	NA	NA	NA	NA	NA	NA	6.8 U
Fluoranthene	50.0	0.4 U	0.074 J	0.42 U	0.41 U	1.3	0.4 U	2.5 J
Fluorene	50.0	0.4 U	0.61	0.42 U	0.41 U	0.15 J	0.4 U	6.8 U
Indeno(1,2,3-cd)pyrene	3.2	0.4 U	0.4 U	0.42 U	0.41 U	0.26 J	0.4 U	6.8 U
Naphthalene	13.0	0.4 U	0.4 U	0.42 U	0.41 U	0.099 J	0.4 U	6.8 U
N-Nitrosodiphenylamine	ns	0.4 U	0.4 U	0.42 U	0.41 U	0.25 J	0.4 U	6.8 U
Phenanthrene	50.0	0.4 U	0.19 JN	0.42 U	0.41 J	1.2	0.4 U	1.6 J
Pyrene	50.0	0.4 U	0.15 J	0.42 U	1.5 J	1.3	0.4 U	2.2 J

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent
See notes on page 15.

Soil Boring Samples
Table 2b - Summary of Semivolatile Organic Compound (SVOC) Results (EPA Method 8270)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-32	MW-32	MW-32	MW-33	MW-33	MW-33	MW-33
Depth (ft):	NYSDEC	1-3	3-5	9-11	0-2	2-4	4-6	10-12
Sample Date:	TAGM 4046	11/08/00	11/08/00	11/08/00	11/13/00	11/13/00	11/13/00	11/13/00
2,4-Dinitrotoluene	ns	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	36.4	0.38 J	0.17 J	0.38 UJ	0.096 U	0.060 J	0.36 U	0.081 J
3,3'-Dichlorobenzidine	ns	3.5 U	0.37 U	0.38 UJ	0.35 U	0.40 U	0.36 U	0.41 U
3-Nitroaniline	0.500 or MDL	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	ns	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	0.240 or MDL	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl-phenylether	ns	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	0.9	3.5 U	0.37 U	0.38 U	0.35 U	0.40 U	0.36 U	0.055 J
Acenaphthene	50.0	3.5 U	0.37 U	0.38 UJ	0.11 J	0.061 J	0.36 U	0.08 J
Acenaphthylene	41.0	3.5 U	0.37 U	0.38 UJ	0.35 U	0.40 U	0.36 U	0.41 U
Anthracene	50.0	3.5 U	0.087 J	0.38 UJ	0.21 J	0.21 J	0.046 J	0.072 J
Benzo(a)anthracene	0.224 or MDL	**0.77 J**	**0.23 J**	0.38 UJ	**3.8**	**0.69**	0.15 J	0.17 J
Benzo(a)pyrene	0.061 or MDL	**0.99 J**	**0.17 J**	0.040 J	**4.3**	**0.7**	**0.20 J**	**0.19 J**
Benzo(b)fluoranthene	1.1	**1.6 J**	0.37 J	0.38 UJ	**11 D**	**1.5**	0.34 J	0.4 J
Benzo(g,h,i)perylene	50.0	0.74 J	0.14 J	0.38 UJ	3.9 0.53		0.12 J	0.15 J
Benzo(k)fluoranthene	1.1	3.5 U	0.088 J	0.38 UJ	**2.6** 0.46		0.11 J	0.17 J
bis(2-Ethylhexyl)phthalate	50.0	1.1 J	1.4	0.19 J	2.6 3.8		0.61	6.1
Butylbenzylphthalate	50.0	0.87 J	0.37 U	0.38 UJ	4.4 0.40	U	0.36 U	0.41 U
Carbazole	ns	3.5 U	0.37 U	0.38 UJ	0.10 J	0.076 J	0.36 U	0.41 U
Chrysene	0.4	**0.63 J**	0.26 J	0.38 UJ	**4**	**0.65**	0.15 J	0.22 J
Dibenzo(a,h)anthracene	0.014 or MDL	3.5 U	**0.038 J**	**0.068 J**	0.35 U	0.40 U	0.36 U	0.41 U
Dibenzofuran	6.2	3.5 U	0.37 U	0.38 UJ	0.35 U	0.066 J	0.039 J	0.41 U
Diethyl phthalate	7.1	3.5 U	0.082 J	0.38 UJ	0.35 U	0.40 U	0.36 U	0.41 U
Dimethyl phthalate	2.0	3.5 U	0.37 U	0.38 UJ	0.35 U	0.40 U	0.36 U	0.41 U
Di-n-butyl phthalate	8.1	3.5 U	0.37 U	0.38 UJ	1.8 0.28	J	0.36 U	0.050 J
Di-n-octyl phthalate	50.0	3.5 U	0.056 J	0.38 UJ	0.055 J	0.40 U	0.36 U	0.41 U
Fluoranthene	50.0	1.6 J	0.44	0.052 J	2.4 1.2		0.30 J	0.25 J
Fluorene	50.0	3.5 U	0.37 U	0.38 UJ	0.067 J	0.075 J	0.36 U	0.41 U
Indeno(1,2,3-cd)pyrene	3.2	3.5 U	0.14 J	0.38 UJ	**4.1** 0.59		0.14 J	0.15 J
Naphthalene	13.0	3.5 U	0.37 U	0.38 UJ	0.35 UJ	0.40 UJ	0.36 UJ	0.41 U
N-Nitrosodiphenylamine	ns	3.5 U	0.067 J	0.38 UJ	0.097 U	0.058 J	0.043 J	0.079 J
Phenanthrene	50.0	1 J	0.46	0.062 J	1.2 0.82		0.28 J	0.22 J
Pyrene	50.0	1.5 J	0.35 J	0.078 J	3 0.79		0.17 J	0.21 J

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent
See notes on page 15.

Soil Boring Samples
Table 2b - Summary of Semivolatile Organic Compound (SVOC) Results (EPA Method 8270)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:	NYSDEC	MW-34	MW-34	MW-34	MW-34	MW-34	MW-35	MW-35
Depth (ft):	TAGM 4046	0-2	2-4	4-6	8-10	12-14	0-2	2-4
Sample Date:		11/09/00	11/09/00	11/09/00	11/09/00	11/09/00	11/13/00	11/13/00
2,4-Dinitrotoluene	ns	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	36.4	0.66 J	R	0.34 J	6.4 2.7	J	0.068 J	0.27 J
3,3'-Dichlorobenzidine	ns	3.6 U	R	0.35 UJ	3.8 U	4.1 U	0.39 U	0.40 U
3-Nitroaniline	0.500 or MDL	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	ns	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	0.240 or MDL	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl-phenylether	ns	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	0.9	3.6 U	3.5 UJ	0.35 U	3.8 U	4.1 U	0.39 U	0.40 U
Acenaphthene	50.0	2.2 J	R	1.3 J	1.6 J	4.1 U	0.066 J	0.076 J
Acenaphthylene	41.0	3.6 U	R	0.11 J	3.8 U	4.1 U	0.13 J	0.12 J
Anthracene	50.0	5.4 J	R	2.9 J	1.8 J	2.6 J	0.17 J	0.38 J
Benzo(a)anthracene	0.224 or MDL	**11**	R	**8.3 J**	**3.7 J**	4.1 U	**0.48**	**0.87**
Benzo(a)pyrene	0.061 or MDL	**11**	R	**5.1 J**	**3.2 J**	4.1 U	**0.49**	**0.83**
Benzo(b)fluoranthene	1.1	**18**	R	**7.9 J**	**4.7**	4.1 U	0.64	**1.1**
Benzo(g,h,i)perylene	50.0	6.5	R	2.6 J	1.7 J	4.1 U	0.5	0.5
Benzo(k)fluoranthene	1.1	**5.5**	R	**2.0 J**	**1.5 J**	4.1 U	0.19 J	0.39 J
bis(2-Ethylhexyl)phthalate	50.0	3.6 U	R	0.35 UJ	3.8 U	4.1 U	0.15 J	0.47
Butylbenzylphthalate	50.0	3.6 U	R	0.35 UJ	3.8 U	4.1 U	0.39 U	0.4 U
Carbazole	ns	2.5 J	R	1.5 J	1.2 J	4.1 U	0.06 J	0.081 J
Chrysene	0.4	**9.3**	R	**5.1 J**	**3.1 J**	4.1 U	**0.41**	**0.73**
Dibenzo(a,h)anthracene	0.014 or MDL	3.6 U	R	0.35 UJ	3.8 U	4.1 U	0.39 U	0.40 U
Dibenzofuran	6.2	3.6 U	R	0.35 UJ	3.8 U	4.1 U	0.39 U	0.40 U
Diethyl phthalate	7.1	3.6 U	R	1.4 J	3.8 U	4.1 U	0.39 U	0.059 JB
Dimethyl phthalate	2.0	3.6 U	R	0.63 J	3.8 U	4.1 U	0.39 U	0.40 U
Di-n-butyl phthalate	8.1	3.7	R	0.35 UJ	3.8 U	4.1 U	0.39 U	0.40 U
Di-n-octyl phthalate	50.0	1.5 J	R	0.35 UJ	3.8 U	4.1 U	0.39 U	0.13 J
Fluoranthene	50.0	26 J	R	4.4 D	6.5	0.53 J	0.77	2.3
Fluorene	50.0	2.5 J	R	1.1 J	2.4 J	2.6 J	0.39 U	0.12 J
Indeno(1,2,3-cd)pyrene	3.2	**7.5**	R	**3.2 J**	1.9 J	4.1 U	0.4	0.47
Naphthalene	13.0	3.6 U	R	0.35 UJ	3.8 U	4.1 U	0.39 U	0.40 U
N-Nitrosodiphenylamine	ns	2.2 J	R	0.35 UJ	3.8 U	4.1 U	0.058 J	0.19 J
Phenanthrene	50.0	21 J	R	12 J	6.1 1.2	J	0.59	1.5
Pyrene	50.0	17 J	R	3.7 D	4.6	0.65 J	0.63	1.6

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent
See notes on page 15.

Soil Boring Samples
Table 2b - Summary of Semivolatile Organic Compound (SVOC) Results (EPA Method 8270)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-35	MW-35	MW-35	MW-36	MW-36	MW-36	MW-36
Depth (ft):	NYSDEC	4-6	8-10	20-22	0-2	2-4	4-6	8-10
Sample Date:	TAGM 4046	11/13/00	11/13/00	11/13/00	11/14/00	11/14/00	11/14/00	11/14/00
2,4-Dinitrotoluene	ns	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	36.4	0.59 J	3.7	0.3 J	3.4 U	3.7 U	9.1	**46**
3,3'-Dichlorobenzidine	ns	0.42 UJ	0.41 U	0.4 U	3.4 U	3.7 U	3.5 U	3.7 U
3-Nitroaniline	0.500 or MDL	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	ns	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	0.240 or MDL	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl-phenylether	ns	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	0.9	0.42 U	4.1 U	0.4 U	3.4 U	3.7 U	3.5 U	3.7 U
Acenaphthene	50.0	0.42 UJ	0.41 U	0.1 J	3.4 U	3.7 U	1.2 J	3.7 J
Acenaphthylene	41.0	0.42 UJ	0.41 U	0.14 J	3.4 U	3.7 U	3.5 U	3.7 U
Anthracene	50.0	1.1 J	4.8	0.45	3.4 U	1.2 J	2.3 J	4.2
Benzo(a)anthracene	0.224 or MDL	**0.25 J**	**0.43**	**0.95**	**0.97 J**	**4.6**	**0.49 J**	3.7 U
Benzo(a)pyrene	0.061 or MDL	**0.25 J**	**0.33 J**	**0.87**	**1.4 J**	**4.4**	**0.55 J**	3.7 U
Benzo(b)fluoranthene	1.1	0.37 J	0.44	**1.2**	**3.7**	**6.5**	0.81 J	3.7 U
Benzo(g,h,i)perylene	50.0	0.31 J	0.18 J	0.5	1.7 J	3.0 J	3.5 U	3.7 U
Benzo(k)fluoranthene	1.1	0.12 J	0.14 J	0.33 J	1 J	**2.6 J**	0.37 J	3.7 U
Bis(2-ethylhexyl) phthalate	50.0	0.66 J	0.99	0.4 U	3.4 U	0.41 J	0.89 J	1.2 J
Butylbenzylphthalate	50.0	0.42 UJ	0.41 U	0.4 U	0.38 J	3.7 U	3.5 U	3.7 U
Carbazole	ns	0.42 UJ	0.41 U	0.11 J	3.4 U	3.7 U	3.5 U	3.7 U
Chrysene	0.4	0.24 J	**0.54**	**0.73**	**1.2 J**	**3.9**	**0.51 J**	3.7 U
Dibenzo(a,h)anthracene	0.014 or MDL	0.42 UJ	0.41 U	**0.17 J**	3.4 U	3.7 U	3.5 U	3.7 U
Dibenzofuran	6.2	0.42 UJ	0.41 U	0.16 J	3.4 U	3.7 U	3.5 U	3.7 U
Diethyl phthalate	7.1	0.42 UJ	0.41 U	0.4 U	3.4 U	3.7 U	3.5 U	3.7 U
Dimethyl phthalate	2.0	0.42 UJ	0.41 U	0.4 U	3.4 U	3.7 U	3.5 U	3.7 U
Di-n-butyl phthalate	8.1	0.22 J	0.41 U	0.4 U	3.4 U	3.7 U	3.5 U	3.7 U
Di-n-octyl phthalate	50.0	0.42 UJ	0.41 U	0.4 U	3.4 U	3.7 U	3.5 U	3.7 U
Fluoranthene	50.0	0.38 J	0.91	2.6	1 J	8.7	1.1 J	0.60 J
Fluorene	50.0	0.61 J	1.8	0.14 J	3.4 U	3.7 U	2.0 J	5.2
Indeno(1,2,3-cd)pyrene	3.2	0.33 J	0.22 J	0.51	1.7 J	2.9 J	3.5 U	3.7 U
Naphthalene	13.0	0.3 J	0.41 U	0.22 J	3.4 U	3.7 U	3.5 U	3.7 U
N-nitrosodiphenylamine	ns	0.42 UJ	0.41 UJ	0.4 UJ	3.4 U	3.7 U	3.5 U	3.7 U
Phenanthrene	50.0	1.4 J	11 D	2	0.44 J	3.4 J	3 J	11
Pyrene	50.0	0.59 J	1.5	1.8	0.73 J	6.9	0.77 J	0.99 J

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent
See notes on page 15.

Soil Boring Samples

Table 2b - Summary of Semivolatile Organic Compound (SVOC) Results (EPA Method 8270)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-36	MW-36A	MW-36A	MW-36A	MW-36A	MW-36A	MW-37
Depth (ft):	NYSDEC	20-22	0-2	2-4	4-6	8-10	10-12	2-4
Sample Date:	TAGM 4046	11/14/00	11/15/00	11/15/00	11/15/00	11/15/00	11/15/00	11/10/00
2,4-Dinitrotoluene	ns	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	36.4	3.4 U	0.41 J	3.6 UJ	3.5 UJ	3.6 U	21	0.049 J
3,3'-Dichlorobenzidine	ns	3.4 U	3.7 U	3.6 UJ	3.5 UJ	3.6 U	3.8 U	0.37 U
3-Nitroaniline	0.500 or MDL	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	ns	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	0.240 or MDL	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl-phenylether	ns	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	0.9	3.4 U	3.7 U	3.6 U	3.5 U	3.6 U	3.8 U	0.36 U
Acenaphthene	50.0	3.4 U	3.7 UJ	3.6 UJ	3.5 UJ	3.6 U	3.8 U	0.12 J
Acenaphthylene	41.0	3.4 U	3.7 U	3.6 UJ	3.5 UJ	3.6 U	3.8 U	0.36 U
Anthracene	50.0	3.4 U	0.89 J	3.6 UJ	0.39 J	3.6 U	3.1 J	0.36 U
Benzo(a)anthracene	0.224 or MDL	**0.74 J**	**2.6 J**	3.6 UJ	**0.87 J**	3.6 U	3.8 U	**1.7**
Benzo(a)pyrene	0.061 or MDL	**1 J**	**2 J**	3.6 UJ	**0.8 J**	3.6 U	3.8 U	**2.4**
Benzo(b)fluoranthene	1.1	**2.6 J**	**3.8**	3.6 UJ	**1.2 J**	3.6 U	3.8 U	**4**
Benzo(g,h,i)perylene	50.0	1.1 J	1.1 J	3.6 UJ	3.5 UJ	3.6 U	3.8 U	1.6
Benzo(k)fluoranthene	1.1	**1.1 J**	**1.6 J**	3.6 UJ	0.47 J	3.6 U	3.8 U	**1.3**
Bis(2-ethylhexyl) phthalate	50.0	3.4 U	0.62 J	0.52 J	3.5 UJ	0.86 J	2.1 J	0.91 U
Butylbenzylphthalate	50.0	3.4 U	0.57 J	3.6 UJ	3.5 UJ	3.6 U	3.8 U	0.36 U
Carbazole	ns	3.4 U	0.62 J	3.6 UJ	3.5 UJ	3.6 U	3.8 U	0.36 U
Chrysene	0.4	**0.79 J**	**2.4 J**	3.6 UJ	**0.71 J**	3.6 U	3.8 U	**1.7**
Dibenzo(a,h)anthracene	0.014 or MDL	**0.7 J**	**0.37 J**	3.6 UJ	3.5 UJ	3.6 U	3.8 U	0.36 U
Dibenzofuran	6.2	3.4 U	3.7 U	3.6 UJ	3.5 UJ	3.6 U	3.8 U	0.039 J
Diethyl phthalate	7.1	3.4 U	3.7 U	3.6 UJ	3.5 UJ	0.66 J	3.8 U	0.36 U
Dimethyl phthalate	2.0	3.4 U	3.7 U	3.6 UJ	3.5 UJ	3.6 U	3.8 U	0.36 U
Di-n-butyl phthalate	8.1	3.4 U	3.7 U	0.40 J	0.44 J	3.6 U	3.8 U	0.36 U
Di-n-octyl phthalate	50.0	3.4 U	3.7 U	3.6 UJ	3.5 UJ	3.6 U	3.8 U	0.038 J
Fluoranthene	50.0	0.64 J	7	0.40 J	2.2 J	3.6 U	3.8 U	1.7
Fluorene	50.0	3.4 U	3.7 U	3.6 UJ	3.5 UJ	3.6 U	2.1 J	0.043 J
Indeno(1,2,3-cd)pyrene	3.2	1.2 J	1.2 J	3.6 UJ	3.5 UJ	3.6 U	3.8 U	1.5
Naphthalene	13.0	3.4 U	3.7 U	3.6 UJ	3.5 UJ	3.6 U	3.8 U	0.11 J
N-nitrosodiphenylamine	ns	3.4 U	3.7 U	3.6 UJ	3.5 UJ	3.6 U	3.8 U	0.36 U
Phenanthrene	50.0	0.39 J	4.8	3.6 UJ	1.6 J	3.6 U	4	0.63
Pyrene	50.0	0.5 J	4.9 J	0.66 J	1.9 J	0.40 J	0.97 J	2.1

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent

See notes on page 15.

Soil Boring Samples
Table 2b - Summary of Semivolatile Organic Compound (SVOC) Results (EPA Method 8270)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:	NYSDEC	MW-37	MW-37	MW-38	MW-38	MW-38	MW-39	MW-39
Depth (ft):	TAGM 4046	8-10	15-17	0-2	6-8	10-12	0-2	2-4
Sample Date:		11/10/00	11/10/00	11/09/00	11/09/00	11/09/00	11/09/00	11/09/00
2,4-Dinitrotoluene	ns	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	36.4	0.37 U	1.3 J	R	4.1 J	4 U	5.2 U	3.6 U
3,3'-Dichlorobenzidine	ns	0.37 U	0.41 UJ	R	4.3 U	4 U	5.2 U	3.6 U
3-Nitroaniline	0.500 or MDL	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	ns	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	0.240 or MDL	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl-phenylether	ns	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	0.9	0.37 U	0.41 U	R	4.3 UJ	4 U	5.2 U	3.6 U
Acenaphthene	50.0	0.37 U	0.41 UJ	R	4.3 U	4 U	5.2 UJ	3.6 U
Acenaphthylene	41.0	0.37 U	0.41 UJ	R	4.3 U	4 U	5.2 U	3.6 U
Anthracene	50.0	0.37 U	0.3 J	R	2.4 J	1.7 J	5.2 U	3.6 U
Benzo(a)anthracene	0.224 or MDL	0.2 J	0.41 UJ	R	4.3 U	4 U	5.2 U	**0.48 J**
Benzo(a)pyrene	0.061 or MDL	**0.3 J**	0.41 UJ	0.042 J	4.3 U	4 U	5.2 U	3.6 U
Benzo(b)fluoranthene	1.1	0.43	0.41 UJ	0.069 J	4.3 U	4 U	5.2 U	0.71 J
Benzo(g,h,i)perylene	50.0	0.25 J	0.41 UJ	R	4.3 U	4 U	5.2 U	3.6 U
Benzo(k)fluoranthene	1.1	0.17 J	0.41 UJ	0.043 J	4.3 U	4 U	5.2 U	0.41 J
Bis(2-ethylhexyl) phthalate	50.0	0.58	0.26 J	0.19 J	4.3 U	4 U	0.80 J	0.47 J
Butylbenzylphthalate	50.0	0.37 U	0.41 UJ	R	4.3 U	4 U	5.2 U	3.6 U
Carbazole	ns	0.37 U	0.41 UJ	R	4.3 U	4 U	5.2 U	3.6 U
Chrysene	0.4	0.22 J	0.41 UJ	0.041 J	4.3 U	**1.2 J**	5.2 U	0.39 J
Dibenzo(a,h)anthracene	0.014 or MDL	0.37 U	0.41 UJ	R	4.3 U	4 U	5.2 U	3.6 U
Dibenzofuran	6.2	0.37 U	0.41 UJ	R	4.3 U	4 U	5.2 U	3.6 U
Diethyl phthalate	7.1	0.37 U	0.41 UJ	R	4.3 U	4 U	5.2 U	3.6 U
Dimethyl phthalate	2.0	0.37 U	0.41 UJ	R	4.3 U	4 U	5.2 U	3.6 U
Di-n-butyl phthalate	8.1	0.37 U	0.41 UJ	R	4.3 U	4 U	5.2 U	3.6 U
Di-n-octyl phthalate	50.0	0.37 U	0.41 UJ	R	4.3 U	4 U	5.2 U	3.6 U
Fluoranthene	50.0	0.25 J	0.41 UJ	0.074 J	4.3 U	4 U	5.2 U	1.1 J
Fluorene	50.0	0.37 U	0.41 UJ	R	3.6 J	3.4 J	5.2 U	3.6 U
Indeno(1,2,3-cd)pyrene	3.2	0.24 J	0.41 UJ	R	4.3 U	4 U	5.2 U	3.6 U
Naphthalene	13.0	0.37 U	0.41 UJ	R	2.9 J	0.72 J	5.2 U	3.6 U
N-nitrosodiphenylamine	ns	0.37 U	0.41 UJ	R	4.3 U	4 U	5.2 U	3.6 U
Phenanthrene	50.0	0.13 J	0.56 J	0.064 J	1.9 J	4.4	5.2 U	1.2 J
Pyrene	50.0	0.2 J	0.072 J	0.097 J	4.4 5.2		0.72 J	0.97 J

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent
See notes on page 15.

Soil Boring Samples
Table 2b - Summary of Semivolatile Organic Compound (SVOC) Results (EPA Method 8270)

Analyte		**Sample Collection Designation & Collection Date**						
Source:		1	1	1	1	1	1	1
Sample ID:	NYSDEC	MW-39	MW-39	MW-39	MW-39	MW-40	MW-40	MW-40
Depth (ft):	TAGM 4046	4-6	6-8	12-14	20-22	2-4	12-14	18-20
Sample Date:		11/09/00	11/09/00	11/09/00	11/09/00	11/08/00	11/08/00	11/08/00
2,4-Dinitrotoluene	ns	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	36.4	0.36 UJ	0.40 UJ	0.39 UJ	0.41 U	0.16 J	0.44 U	0.42 U
3,3'-Dichlorobenzidine	ns	0.36 UJ	0.40 UJ	0.39 UJ	0.41 U	0.36 U	0.44 U	0.42 U
3-Nitroaniline	0.500 or MDL	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	ns	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	0.240 or MDL	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl-phenylether	ns	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	0.9	0.36 U	R	R	R	0.36 U	0.44 U	0.42 U
Acenaphthene	50.0	0.36 UJ	0.40 UJ	0.39 UJ	0.41 U	0.12 J	0.44 U	0.42 U
Acenaphthylene	41.0	0.36 UJ	0.40 UJ	0.39 UJ	0.41 U	0.36 U	0.44 U	0.42 U
Anthracene	50.0	0.36 UJ	2.1 J	0.8 J	0.71 0.55	U	0.52 U	0.49 U
Benzo(a)anthracene	0.224 or MDL	0.36 UJ	0.40 UJ	**0.43 J**	0.41 U	**4.8 D**	0.44 U	0.42 U
Benzo(a)pyrene	0.061 or MDL	0.36 UJ	**0.11 J**	0.39 UJ	0.41 U	5.6 U	**0.091 J**	0.42 U
Benzo(b)fluoranthene	1.1	0.36 UJ	0.40 UJ	0.39 UJ	0.41 U	**7.4 D**	0.1 J	0.42 U
Benzo(g,h,i)perylene	50.0	0.36 UJ	0.099 J	0.39 UJ	0.41 U	2.6 U	0.44 U	0.42 U
Benzo(k)fluoranthene	1.1	0.36 UJ	0.40 UJ	0.39 UJ	0.41 U	2.5 U	0.44 U	0.42 U
Bis(2-ethylhexyl) phthalate	50.0	0.28 J	0.31 J	0.43 J	0.46 0.8	U	0.47 U	0.68 U
Butylbenzylphthalate	50.0	0.039 J	0.40 UJ	0.39 UJ	0.41 U	0.36 U	0.44 U	0.42 U
Carbazole	ns	0.36 UJ	0.40 UJ	0.39 UJ	0.41 U	0.16 J	0.44 U	0.42 U
Chrysene	0.4	0.36 UJ	0.40 UJ	0.37 J	0.21 J	4.8 U	0.062 J	0.42 U
Dibenzo(a,h)anthracene	0.014 or MDL	0.36 UJ	0.40 UJ	0.39 UJ	0.41 U	1 U	0.44 U	0.42 U
Dibenzofuran	6.2	0.36 UJ	0.40 UJ	0.39 UJ	0.41 U	0.099 J	0.44 U	0.42 U
Diethyl phthalate	7.1	0.36 UJ	0.40 UJ	0.39 UJ	0.41 U	0.36 U	0.44 U	0.42 U
Dimethyl phthalate	2.0	0.36 UJ	0.40 UJ	0.39 UJ	0.41 U	0.36 U	0.44 U	0.42 U
Di-n-butyl phthalate	8.1	0.36 UJ	0.40 UJ	0.39 UJ	0.41 U	0.038 J	0.071 J	0.077 J
Di-n-octyl phthalate	50.0	0.36 UJ	0.40 UJ	0.39 UJ	0.41 U	0.36 U	0.44 U	0.42 U
Fluoranthene	50.0	0.36 UJ	0.40 UJ	0.39 UJ	0.41 U	12 D	0.11 J	0.062 J
Fluorene	50.0	0.36 UJ	1.1 J	0.9 J	0.85 J	0.075 J	0.57 U	0.45 U
Indeno(1,2,3-cd)pyrene	3.2	0.36 UJ	0.40 UJ	0.39 UJ	0.41 U	2.7 U	0.052 J	0.42 U
Naphthalene	13.0	0.36 UJ	0.40 UJ	0.39 UJ	0.41 U	0.36 U	0.44 U	0.42 U
N-nitrosodiphenylamine	ns	0.36 UJ	0.40 UJ	0.39 UJ	0.41 U	0.36 U	0.44 U	3.1 U
Phenanthrene	50.0	0.36 UJ	1.5 J	1.8 J	1.9 2.5	U	1.2 U	1.2 U
Pyrene	50.0	0.36 UJ	3.7 J	1.8 J	1.2 8	D	0.2 J	0.18 J

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent
See notes on page 15.

Soil Boring Samples

Table 2b - Summary of Semivolatile Organic Compound (SVOC) Results (EPA Method 8270)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-41	MW-41	MW-41	MW-42	MW-42	MW-42	MW-42
Depth (ft):	NYSDEC	0-2	2-4	8-10	0-2	2-4	4-6	8-10
Sample Date:	TAGM 4046	11/10/00	11/10/00	11/10/00	11/09/00	11/09/00	11/09/00	11/09/00
2,4-Dinitrotoluene	ns	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	36.4	0.38 J	0.39 J	1.1 J	0.19 J	0.35 UJ	0.35 UJ	1.8 J
3,3'-Dichlorobenzidine	ns	0.38 U	0.40 U	R	0.35 U	0.35 UJ	0.35 UJ	3.8 U
3-Nitroaniline	0.500 or MDL	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	ns	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	0.240 or MDL	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl-phenylether	ns	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	0.9	R	0.40 U	0.41 UJ	0.35 U	0.35 U	0.35 U	3.8 U
Acenaphthene	50.0	0.3 J	0.40 U	R	0.86 0.35	UJ	0.35 UJ	3.8 U
Acenaphthylene	41.0	0.38 U	0.40 U	R	0.35 U	0.35 UJ	0.35 UJ	3.8 U
Anthracene	50.0	0.15 J	0.14 J	0.28 J	3.2 0.037	J	0.037 J	0.65 J
Benzo(a)anthracene	0.224 or MDL	**0.34 J**	**0.26 J**	R	**4.7 D**	**0.52 J**	0.15 J	3.8 U
Benzo(a)pyrene	0.061 or MDL	**0.094 J**	**0.24 J**	**0.76 J**	**4.0 D**	**0.64 J**	**0.19 J**	3.8 U
Benzo(b)fluoranthene	1.1	0.57	0.48	0.88 J	**5.7 D**	**1.8 J**	0.34 J	3.8 U
Benzo(g,h,i)perylene	50.0	0.14 J	0.096 J	0.74 J	3.4 0.5	J	0.12 J	3.8 U
Benzo(k)fluoranthene	1.1	0.17 J	0.11 J	0.28 J	**3.1** 0.49	J	0.098 J	3.8 U
Bis(2-ethylhexyl) phthalate	50.0	0.69	0.56	0.74 J	0.35 U	0.21 J	0.062 J	0.69 J
Butylbenzylphthalate	50.0	0.38 U	0.40 U	R	0.35 U	0.35 UJ	0.35 UJ	3.8 U
Carbazole	ns	0.07 J	0.40 U	0.064 J	0.8 0.35	UJ	0.35 UJ	3.8 U
Chrysene	0.4	**0.4**	0.34 J	**0.52 J**	**3.9 D**	**0.6 J**	0.14 J	3.8 U
Dibenzo(a,h)anthracene	0.014 or MDL	0.38 U	0.40 U	R	**1.4**	**0.16 J**	**0.065 J**	3.8 U
Dibenzofuran	6.2	0.1 J	0.40 U	R	0.44 0.35	UJ	0.35 UJ	3.8 U
Diethyl phthalate	7.1	0.082 J	0.17 J	R	0.35 U	0.35 UJ	0.35 UJ	3.8 U
Dimethyl phthalate	2.0	0.38 U	0.40 U	R	0.35 U	0.35 UJ	0.35 UJ	3.8 U
Di-n-butyl phthalate	8.1	0.38 U	0.40 U	R	0.35 U	0.35 UJ	0.35 UJ	3.8 U
Di-n-octyl phthalate	50.0	0.38 U	0.40 U	R	0.35 U	0.35 UJ	0.35 UJ	3.8 U
Fluoranthene	50.0	0.65	0.46	0.61 J	10 D	0.6 J	0.28 J	0.4 J
Fluorene	50.0	0.048 J	0.07 J	R	0.92 0.35	UJ	0.35 UJ	3.8 U
Indeno(1,2,3-cd)pyrene	3.2	0.16 J	0.40 U	R	**3.6** 0.51	J	0.35 UJ	3.8 U
Naphthalene	13.0	0.23 J	0.24 J	0.68 J	0.35 U	0.35 UJ	0.35 UJ	3.8 U
N-nitrosodiphenylamine	ns	0.38 U	0.40 U	R	0.35 U	0.35 UJ	0.35 UJ	3.8 U
Phenanthrene	50.0	0.84	0.8	0.91 J	7.9 D	0.15 J	0.19 J	0.77 J
Pyrene	50.0	0.54	0.37 J	0.96 J	10 D	0.44 J	0.17 J	3.8 U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent

See notes on page 15.

Soil Boring Samples
Table 2b - Summary of Semivolatile Organic Compound (SVOC) Results (EPA Method 8270)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-42	MW-43	TMW-1	TMW-3	TMW-3	TMW-4	TMW-5
Depth (ft):	NYSDEC	14-16	20-22	8-10	6-8	10-12	8-10	8-10
Sample Date:	TAGM 4046	11/09/00	11/14/00	11/16/00	11/09/00	11/09/00	11/15/00	11/16/00
2,4-Dinitrotoluene	ns	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	36.4	6.2	0.42 UJ	0.13 J	0.42 UJ	2.1	0.099 J	R
3,3'-Dichlorobenzidine	ns	4.2 U	0.42 UJ	0.45 UJ	0.42 UJ	0.41 U	R	R
3-Nitroaniline	0.500 or MDL	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	ns	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	0.240 or MDL	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl-phenylether	ns	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	0.9	4.2 U	0.42 U	0.45 U	0.42 UJ	R	0.38 U	R
Acenaphthene	50.0	4.2 U	0.42 UJ	0.45 UJ	0.42 UJ	0.41 U	R	R
Acenaphthylene	41.0	4.2 U	0.42 UJ	0.45 UJ	0.42 UJ	0.41 U	R	R
Anthracene	50.0	0.76 J	0.42 UJ	0.12 J	0.061 J	1.8	0.056 J	R
Benzo(a)anthracene	0.224 or MDL	4.2 U	0.42 UJ	**0.36 J**	0.42 UJ	**0.54**	R	R
Benzo(a)pyrene	0.061 or MDL	4.2 U	0.42 UJ	0.45 UJ	0.42 UJ	**0.18 J**	R	R
Benzo(b)fluoranthene	1.1	4.2 U	0.42 UJ	0.45 J	0.043 J	0.26 J	R	R
Benzo(g,h,i)perylene	50.0	4.2 U	0.42 UJ	0.15 J	0.42 UJ	0.092 J	R	R
Benzo(k)fluoranthene	1.1	4.2 U	0.42 UJ	0.23 J	0.42 UJ	0.085 J	R	R
Bis(2-ethylhexyl) phthalate	50.0	4.2 U	0.055 J	0.45 UJ	0.42 UJ	0.41 U	0.089 J	R
Butylbenzylphthalate	50.0	4.2 U	0.42 UJ	0.45 UJ	0.42 UJ	0.41 U	R	R
Carbazole	ns	4.2 U	0.42 UJ	0.051 J	0.42 UJ	0.41 U	R	R
Chrysene	0.4	4.2 U	0.42 UJ	0.32 J	0.067 J	**0.71**	R	R
Dibenzo(a,h)anthracene	0.014 or MDL	4.2 U	0.42 UJ	0.45 UJ	0.42 UJ	0.41 U	**0.042 J**	R
Dibenzofuran	6.2	4.2 U	0.42 UJ	0.45 UJ	0.42 UJ	0.41 U	R	R
Diethyl phthalate	7.1	4.2 U	0.42 UJ	0.45 UJ	0.42 UJ	0.41 U	R	R
Dimethyl phthalate	2.0	4.2 U	0.42 UJ	0.046 J	0.42 UJ	0.41 U	R	R
Di-n-butyl phthalate	8.1	4.2 U	0.42 UJ	0.45 UJ	0.075 J	0.41 U	R	R
Di-n-octyl phthalate	50.0	4.2 U	0.42 UJ	0.45 UJ	0.42 UJ	0.41 U	R	R
Fluoranthene	50.0	4.2 U	0.42 UJ	0.84 J	0.072 J	0.93	R	R
Fluorene	50.0	0.78 J	0.42 UJ	0.45 UJ	0.42 UJ	0.41 U	R	R
Indeno(1,2,3-cd)pyrene	3.2	4.2 U	0.42 UJ	0.19 J	0.42 UJ	0.097 J	R	R
Naphthalene	13.0	4.2 U	0.42 UJ	0.45 UJ	0.063 J	1.2	R	R
N-nitrosodiphenylamine	ns	4.2 U	0.42 UJ	0.45 UJ	0.42 UJ	0.41 U	R	R
Phenanthrene	50.0	1.6 J	0.42 UJ	0.55 J	0.11 J	2.3	0.1 J	R
Pyrene	50.0	4.2 U	0.42 UJ	0.83 J	0.085 J	1.2	R	R

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent

See notes on page 15.

Soil Boring Samples
Table 2b - Summary of Semivolatile Organic Compound (SVOC) Results (EPA Method 8270)

Analyte		Sample Collection Designation & Collection Date
Source:		1
Sample ID:		TMW-5
Depth (ft):	NYSDEC	12-14
Sample Date:	TAGM 4046	11/16/00
2,4-Dinitrotoluene	ns	NA
2-Methylnaphthalene	36.4	0.12 J
3,3'-Dichlorobenzidine	ns	R
3-Nitroaniline	0.500 or MDL	NA
4-Bromophenyl-phenylether	ns	NA
4-Chloro-3-Methylphenol	0.240 or MDL	NA
4-Chlorophenyl-phenylether	ns	NA
4-Methylphenol	0.9	R
Acenaphthene	50.0	R
Acenaphthylene	41.0	R
Anthracene	50.0	0.08 J
Benzo(a)anthracene	0.224 or MDL	**0.28 J**
Benzo(a)pyrene	0.061 or MDL	**0.27 J**
Benzo(b)fluoranthene	1.1	0.42 J
Benzo(g,h,i)perylene	50.0	0.13 J
Benzo(k)fluoranthene	1.1	0.13 J
Bis(2-ethylhexyl) phthalate	50.0	R
Butylbenzylphthalate	50.0	R
Carbazole	ns	R
Chrysene	0.4	0.24 J
Dibenzo(a,h)anthracene	0.014 or MDL	R
Dibenzofuran	6.2	R
Diethyl phthalate	7.1	R
Dimethyl phthalate	2.0	R
Di-n-butyl phthalate	8.1	R
Di-n-octyl phthalate	50.0	R
Fluoranthene	50.0	0.51 J
Fluorene	50.0	R
Indeno(1,2,3-cd)pyrene	3.2	0.14 J
Naphthalene	13.0	R
N-nitrosodiphenylamine	ns	R
Phenanthrene	50.0	0.22 J
Pyrene	50.0	0.46 J

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent
See notes on page 15.

Notes:

MDL - Method Detection Limit
NA = Sample was not analyzed for this constituent.
DUP = Duplicate sample
U = The compound or analyte was not detected at the Practical Quantitation (PQL), or Method Detection Limit (MDL)
J = The compound or analyte was positively identified, but the associated numerical value is an estimated concentration. This qualifier is used when the data evaluation procedure identifies a deficiency in the data generation process. This qualifier is also used when a compound or analyte is detectec at estimated concentrations less than the PQL, or MDL.
R = Indicates that the previously reported detection limit or sample result has been rejected due to a significant deficiency in the data generation process The data should not be used for any qualitative or quantitative purposes.
JN = The compound or analyte was tentatively identified and the associated numerical value is an estimated concentration. This qualifier is used wher the data evaluation procedure identifies a deficiency in the data generation process
ns = No standard. Recommended soil cleanup objective is not available.

Soil Boring Samples
Table 2c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		Sample Collection Designation & Collection Date						
Source:		3	2	2	2	2	2	2
Sample ID:		B5-1	MW-17	MW-17	MW-18	MW-19	MW-20	MW-20
Depth (ft):	NYSDEC	1-2.5	10-12	12-14	10-12	12-14	10-12	12-14
Sample Date:	TAGM 4046	5/14/97	11/23/99	11/23/99	11/17/99	11/29/99	11/18/99	11/18/99
Aroclor-1248	ns	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	ns	0.767	NA	NA	NA	NA	NA	NA
Aroclor-1260	ns	NA	0.059 U	0.063 U	0.056 U	0.062 U	0.061 U	0.059 U
Total PCBs	10	NA	0.059 U	0.063 U	0.056 U	0.062 U	0.061 U	0.059 U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on Page 13.

Soil Boring Samples
Table 2c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		Sample Collection Designation & Collection Date						
Source:		2	2	2	2	2	2	2
Sample ID:		MW-21	MW-22	MW-23	MW-24	MW-24	MW-25	MW-26
Depth (ft):	NYSDEC	12-14	10-12	12-14	12-14	18-20	12-14	12-14
Sample Date:	TAGM 4046	11/23/99	11/29/99	11/24/99	11/19/00	11/19/99	11/17/99	11/17/99
Aroclor-1248	ns	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	ns	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	ns	0.18	0.19 0.061	U	0.056 U	0.059 U	3.2 0.058	U
Total PCBs	1.0	0.18	0.19	0.061 U	0.056 U	0.059 U	**3.2** 0.058	U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on Page 13.

Soil Boring Samples
Table 2c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		Sample Collection Designation & Collection Date						
Source:		2	2	2	2	2	2	2
Sample ID:		MW-27	MW-28	MW-28	MW-29	MW-30	MW-30	MW-31
Depth (ft):	NYSDEC	12-14	12-14	14-16	10-12	12-14	14-16	12-14
Sample Date:	TAGM 4046	11/18/99	11/18/99	11/18/99	11/18/99	11/19/99	11/19/99	11/30/99
Aroclor-1248	ns	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	ns	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	ns	0.057 U	0.06 U	0.059 U	0.057 U	0.06 U	0.059 U	0.063 U
Total PCBs	1.0	0.057 U	0.06 U	0.059 U	0.057 U	0.06 U	0.059 U	0.063 U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on Page 13.

Soil Boring Samples
Table 2c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		Sample Collection Designation & Collection Date						
Source:		2	2	2	2	1	1	1
Sample ID:		MW-32	MW-32	MW-32	MW-32	MW-33	MW-33	MW-33
Depth (ft):	NYSDEC	0-1	1-3	3-5	9-11	0-2	2-4	4-6
Sample Date:	TAGM 4046	11/08/00	11/08/00	11/08/00	11/08/00	11/13/00	11/13/00	11/13/00
Aroclor-1248	ns	0.050 U	0.051 U	0.052 U	0.054 U	2.7 0.26		0.063 U
Aroclor-1254	ns	0.050 U	0.051 U	0.052 U	0.054 U	0.21 U	0.052 U	0.063 U
Aroclor-1260	ns	0.050 U	0.051 U	0.052 U	0.054 U	0.21 U	0.052 U	0.063 U
Total PCBs	1.0	0.050 U	0.051 U	0.052 U	0.054 U	**2.7** 0.26		0.063 U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on Page 13.

Soil Boring Samples
Table 2c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-33	MW-34	MW-34	MW-34	MW-34	MW-34	MW-35
Depth (ft):	NYSDEC	10-12	0-2	2-4	4-6	8-10	12-14	0-2
Sample Date:	TAGM 4046	11/13/00	11/09/00	11/09/00	11/09/00	11/09/00	11/09/00	11/13/00
Aroclor-1248	ns	3.4 0.053	U	0.052 U	0.052 U	0.053 U	0.057 U	0.057 U
Aroclor-1254	ns	0.25 U	0.053 U	0.052 U	0.052 U	0.053 U	0.057 U	0.057 U
Aroclor-1260	ns	0.25 U	0.053 U	0.052 U	0.052 U	0.053 U	0.057 U	0.057 U
Total PCBs	1.0	**3.4** 0.053	U	0.052 U	0.052 U	0.053 U	0.057 U	0.057 U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on Page 13.

Soil Boring Samples
Table 2c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-35	MW-35	MW-35	MW-35	MW-36	MW-36	MW-36
Depth (ft):	NYSDEC	2-4	4-6	8-10	20-22	0-2	2-4	4-6
Sample Date:	TAGM 4046	11/13/00	11/13/00	11/13/00	11/13/00	11/14/00	11/14/00	11/14/00
Aroclor-1248	ns	0.056 U	0.058 U	0.056 U	0.50 1.2		0.30	0.14
Aroclor-1254	ns	0.056 U	0.058 U	0.056 U	0.056 U	0.1 U	0.055 U	0.050 U
Aroclor-1260	ns	0.056 U	0.058 U	0.056 U	0.056 U	0.1 U	0.055 U	0.050 U
Total PCBs	1.0	0.056 U	0.058 U	0.056 U	0.50	**1.2** 0.30		0.14

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on Page 13.

Soil Boring Samples
Table 2c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-36	MW-36	MW-36A	MW-36A	MW-36A	MW-36A	MW-36A
Depth (ft):	NYSDEC	8-10	20-22	0-2	2-4	4-6	8-10	10-12
Sample Date:	TAGM 4046	11/14/00	11/14/00	11/15/00	11/15/00	11/15/00	11/15/00	11/15/00
Aroclor-1248	ns	0.92 0.050	U	0.055 U	0.05 U	0.05 U	0.053 U	0.054 U
Aroclor-1254	ns	0.11 U	0.050 U	0.055 U	0.05 U	0.05 U	0.053 U	0.054 U
Aroclor-1260	ns	0.11 U	0.050 U	0.055 U	0.05 U	0.05 U	0.053 U	0.054 U
Total PCBs	1.0	0.92	0.050 U	0.055 U	0.05 U	0.05 U	0.053 U	0.054 U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on Page 13.

Soil Boring Samples
Table 2c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-37	MW-37	MW-37	MW-38	MW-38	MW-38	MW-39
Depth (ft):	NYSDEC	2-4	8-10	15-17	0-2	6-8	10-12	0-2
Sample Date:	¯AGM 404	11/10/00	11/10/00	11/10/00	11/09/00	11/09/00	11/09/00	11/09/00
Aroclor-1248	ns	0.052 U	0.057 U	0.062 U	0.054 U	0.061 U	0.059 U	0.050 U
Aroclor-1254	ns	0.052 U	0.057 U	0.062 U	0.054 U	0.061 U	0.059 U	0.078
Aroclor-1260	ns	0.052 U	0.057 U	0.062 U	0.054 U	0.061 U	0.059 U	0.050 U
Total PCBs	1.0	0.052 U	0.057 U	0.062 U	0.054 U	0.061 U	0.059 U	0.078

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on Page 13.

Soil Boring Samples
Table 2c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		**Sample Collection Designation & Collection Date**						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-39	MW-39	MW-39	MW-39	MW-39	MW-40	MW-40
Depth (ft):	NYSDEC	2-4	4-6	6-8	12-14	20-22	2-4	12-14
Sample Date:	TAGM 4046	11/09/00	11/09/00	11/09/00	11/09/00	11/09/00	11/08/00	11/08/00
Aroclor-1248	ns	0.051 U	0.051 U	0.059 U	0.058 U	0.059 U	0.05 U	0.063 U
Aroclor-1254	ns	0.17	0.051 U	0.059 U	0.058 U	0.059 U	0.05 U	0.063 U
Aroclor-1260	ns	0.051 U	0.051 U	0.059 U	0.058 U	0.059 U	0.05 U	0.063 U
Total PCBs	1.0	0.17	0.051 U	0.059 U	0.058 U	0.059 U	0.05 U	0.063 U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on Page 13.

Soil Boring Samples
Table 2c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-40	MW-41	MW-41	MW-41	MW-42	MW-42	MW-42
Depth (ft):	NYSDEC	18-20	0-2	2-4	8-10	0-2	2-4	4-6
Sample Date:	TAGM 4046	11/08/00	11/10/00	11/10/00	11/10/00	11/09/00	11/09/00	11/09/00
Aroclor-1248	ns	0.061 U	0.054 U	0.055 U	0.061 U	0.049 U	0.049 U	0.052 U
Aroclor-1254	ns	0.061 U	0.054 U	0.055 U	0.061 U	0.049 U	0.049 U	0.052 U
Aroclor-1260	ns	0.061 U	0.054 U	0.055 U	0.061 U	0.049 U	0.049 U	0.052 U
Total PCBs	1.0	0.061 U	0.054 U	0.055 U	0.061 U	0.049 U	0.049 U	0.052 U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on Page 13.

Soil Boring Samples
Table 2c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		**Sample Collection Designation & Collection Date**						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-42	MW-42	MW-43	MW-46	MW-46	MW-47	MW-48
Depth (ft):	NYSDEC	8-10	14-16	20-22	12-14	22-24	14-14.9	12-14
Sample Date:	TAGM 4046	11/09/00	11/09/00	11/14/00	5/23/01	5/23/01	5/21/01	5/22/01
Aroclor-1248	ns	0.055 U	0.059 U	0.31 0.046	U	0.23 U	0.048 U	0.045 U
Aroclor-1254	ns	0.055 U	0.059 U	0.062 U	0.024 J	3.8	0.048 U	0.045 U
Aroclor-1260	ns	0.055 U	0.059 U	0.062 U	0.046 U	0.23 U	0.048 U	0.045 U
Total PCBs	1.0	0.055 U	0.059 U	0.31	0.024	**3.8** 0.048	U	0.045 U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on Page 13.

Soil Boring Samples
Table 2c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-48DUP	TMW-1	TMW-3	TMW-3	TMW-4	TMW-5	TMW-5
Depth (ft):	NYSDEC	12-14	8-10	6-8	10-12	8-10	12-14	8-10
Sample Date:	TAGM 4046	5/22/01	11/16/00	11/09/00	11/09/00	11/15/00	11/16/00	11/16/00
Aroclor-1248	ns	0.044 U	0.065 U	0.061 U	0.056 U	3.1 0.059	U	0.06 U
Aroclor-1254	ns	0.044 U	0.065 U	0.061 U	0.056 U	0.11 U	0.059 U	0.06 U
Aroclor-1260	ns	0.044 U	0.065 U	0.061 U	0.056 U	2.6 0.059	U	0.06 U
Total PCBs	1.0	0.044 U	0.065 U	0.061 U	0.056 U	**5.7** 0.059	U	0.06 U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on Page 13.

Soil Boring Samples
Table 2c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		Sample Collection Designation & Collection Date							
Source:		1		1		1		1	
Sample ID:		TMW-6		TMW-6		TMW-6DUP		TMW-7	
Depth (ft):	NYSDEC	10-12		12-14		12-14		10-12	
Sample Date:	TAGM 4046	11/13/00		11/13/00		11/13/00		11/13/00	
Aroclor-1248	ns	0.063	U	0.061	U	0.062	U	0.054	U
Aroclor-1254	ns	0.25	0.073		0.066			0.054	U
Aroclor-1260	ns	0.17	0.061		U	0.084		0.054	U
Total PCBs	1.0	0.42		0.073		0.15		0.054	U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
TAGM 4046 values for PCBs are 1.0 mg/kg for surface soils and 10 mg/kg for subsurface soils. The vast majority of sample results presented here are for subsurface soil samples; consequently, the recommended soil cleanup objective for subsurface soils is presented in the table.

Notes:

U = The compound or analyte was not detected at the Practical Quantitation (PQL), or Method Detection Limit (MDL).

J = The compound or analyte was positively identified, but the associated numerical value is an estimated concentration. This qualifier is used when the data evaluation procedure identifies a deficiency in the data generation process. This qualifier is also used when a compound or analyte is detected at estimated concentrations less than the PQL, or MDL.

ns = Identifies all parameters that were analyzed with no known standard.

NA = Sample was not analyzed for this constituent.

Soil Boring Samples
Table 2d - Summary of Herbicide and Pesticide Results

Analyte		Sample Collection Designation				
Source:		3	3	3	3	3
Sample ID:		B2-1	B2-16	B3-1	B7-1	B10-13.5
Depth (ft):	NYSDEC	1-2.5	16-16.5	1-3	1-3	13.5-14.5
Sample Date:	TAGM 4046	5/14/97	5/14/97	5/14/97	5/13/97	5/14/97
beta-BHC	200	U	19.4	U	U	U
p,p-DDE	2,100	10.3	U	111	69	U
p,p-DDD	2,900	U	U	15.3	40	U
p,p-DDT	2,100	11.7	U	156	U	U
Endosulfan sulfate	1,000	U	U	U	U	281
technical Chlordane	540	U	U	U	**549**	U

All results reported in micrograms per kilogram (ug/kg), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.

Notes:
U = The compound or analyte was not detected at the Practical Quantitation (PQL), or Method Detection Limit (MDL).

Soil Boring Samples
Table 2e - Summary of Total Petroleum Hydrocarbon (TPH) Results

Analyte		Sample Collection Designation & Collection Date						
Source:		2	2	2	2	2	2	2
Sample ID:	NYSDEC	DB-17	DB-18	DB-19	DB-20	DB-21	DB-22	DB-23
Sample Date:	TAGM 4046	10-11/93	10-11/93	10-11/93	10-11/93	10-11/93	10-11/93	10-11/93
Total Petroleum Hydrocarbons	ns	62 U	68	23,000	14,000	60,000	68 U	54 U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

See notes on page 2.

Soil Boring Samples
Table 2e - Summary of Total Petroleum Hydrocarbon (TPH) Results

Analyte		Sample Collection Designation & Collection Date		
Source:		2	2	2
Sample ID:	NYSDEC	DB-24	P-2	P-3
Sample Date:	TAGM 4046	10-11/93	10-11/93	10-11/93
Total Petroleum Hydrocarbons	ns	1,300	220	1,100

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Notes:
U = The compound or analyte was not detected at the Practical Quantitation (PQL), or Method Detection Limit (MDL).

Soil Boring Samples
Table 2f - Summary of Hydrocarbon Fingerprinting Results (NYS Method DOH 310-13/14)

Analyte		Sample Collection Designation & Collection Date						
Source:		2	2	2	2	2	2	2
Sample ID:		MW-17	MW-17	MW-18	MW-19	MW-20	MW-20	MW-21
Depth (ft):	NYSDEC	10-12	12-14	10-12	12-14	10-12	12-14	12-14
Sample Date:	TAGM 4046	11/23/99	11/23/99	11/17/99	11/29/99	11/18/99	11/18/99	11/23/99
Diesel Fuel	ns	1,800 JN	270 JN	11 U	12 U	970	1,900	45 U
Fuel Oil (#4)	ns	NA	NA	NA	NA	NA	NA	NA
Fuel Oil (#6)	ns	110 U	12 U	460	12 U	59 U	120 U	45 U
Kerosene	ns	NA	NA	NA	NA	NA	NA	NA
Lubricating Oil	ns	590 U	62 U	55 U	81 JN	310 U	610 U	470 JN

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on page 12.

Soil Boring Samples
Table 2f - Summary of Hydrocarbon Fingerprinting Results (NYS Method DOH 310-13/14)

Analyte		Sample Collection Designation & Collection Date						
Source:		2	2	2	2	2	2	2
Sample ID:		MW-22	MW-23	MW-24	MW-24	MW-25	MW-26	MW-27
Depth (ft):	NYSDEC	10-12	12-14	12-14	18-20	12-14	12-14	12-14
Sample Date:	TAGM 4046	11/29/99	11/24/99	11/19/00	11/19/99	11/17/99	11/17/99	11/18/99
Diesel Fuel	ns	12 U	13 U	11 U	59 U	12 U	11 U	11 U
Fuel Oil (#4)	ns	NA	NA	NA	NA	NA	NA	NA
Fuel Oil (#6)	ns	12 U	13 U	11 U	59 U	29 JN	110 JN	11 U
Kerosene	ns	NA	NA	NA	NA	NA	NA	NA
Lubricating Oil	ns	62 U	68 U	58 U	2,200	60 U	59 U	57 U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on page 12.

Soil Boring Samples
Table 2f - Summary of Hydrocarbon Fingerprinting Results (NYS Method DOH 310-13/14)

Analyte		Sample Collection Designation & Collection Date						
Source:		2	2	2	2	2	2	1
Sample ID:		MW-28	MW-28	MW-29	MW-30	MW-30	MW-31	MW-32
Depth (ft):	NYSDEC	12-14	14-16	10-12	12-14	14-16	12-14	0-1
Sample Date:	TAGM 4046	11/18/99	11/18/99	11/18/99	11/19/99	11/19/99	11/30/99	11/08/00
Diesel Fuel	ns	12 U	170 JN	12 U	2,200 JN	84 JN	12 U	10 U
Fuel Oil (#4)	ns	NA	NA	NA	NA	NA	NA	110
Fuel Oil (#6)	ns	12 U	12 U	12 U	120 U	12 U	12 U	10 U
Kerosene	ns	NA	NA	NA	NA	NA	NA	10 U
Lubricating Oil	ns	62 U	63 U	65 U	640 U	60 U	64 U	52 U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on page 12.

Soil Boring Samples
Table 2f - Summary of Hydrocarbon Fingerprinting Results (NYS Method DOH 310-13/14)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-32	MW-32	MW-32	MW-33	MW-33	MW-33	MW-33
Depth (ft):	NYSDEC	1-3	3-5	9-11	0-2	2-4	4-6	10-12
Sample Date:	TAGM 4046	11/08/00	11/08/00	11/08/00	11/13/00	11/13/00	11/13/00	11/13/00
Diesel Fuel	ns	10 U	11 U	11 U	10 U	11 U	12 U	12 U
Fuel Oil (#4)	ns	92	11 U	630	10 U	11 U	12 U	12 U
Fuel Oil (#6)	ns	10 U	11 U	11 U	71	52	12 U	66
Kerosene	ns	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Lubricating Oil	ns	53 U	120	59 U	11 U	12 U	12 U	12 U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on page 12.

Soil Boring Samples
Table 2f - Summary of Hydrocarbon Fingerprinting Results (NYS Method DOH 310-13/14)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-34	MW-34	MW-34	MW-34	MW-34	MW-35	MW-35
Depth (ft):	NYSDEC	0-2	2-4	4-6	8-10	12-14	0-2	2-4
Sample Date:	TAGM 4046	11/09/00	11/09/00	11/09/00	11/09/00	11/09/00	11/13/00	11/13/00
Diesel Fuel	ns	11 U	11 U	11 U	110 U	120 U	34 U	11 U
Fuel Oil (#4)	ns	11 U	11 U	11 U	2,400	3,500	34 U	11 U
Fuel Oil (#6)	ns	210	11 U	82	110 U	120 U	34 U	32
Kerosene	ns	11 U	11 U	11 U	120 U	130 U	36 U	12 U
Lubricating Oil	ns	11 U	11 U	11 U	120 U	120 U	690	12 U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on page 12.

Soil Boring Samples
Table 2f - Summary of Hydrocarbon Fingerprinting Results (NYS Method DOH 310-13/14)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-35	MW-35	MW-35	MW-36	MW-36	MW-36	MW-36
Depth (ft):	NYSDEC	4-6	8-10	20-22	0-2	2-4	4-6	8-10
Sample Date:	TAGM 4046	11/13/00	11/13/00	11/13/00	11/14/00	11/14/00	11/14/00	11/14/00
Diesel Fuel	ns	3,100	16,000	11 U	10 U	11 U	3,100	6,800
Fuel Oil (#4)	ns	60 U	590 U	11 U	10 U	11 U	100 U	110 U
Fuel Oil (#6)	ns	60 U	590 U	49	10 U	80 J	100 U	110 U
Kerosene	ns	63 U	620 U	12 U	11 U	11 U	110 U	120 U
Lubricating Oil	ns	62 U	610 U	12 U	430	11 U	100 U	120 U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on page 12.

Soil Boring Samples
Table 2f - Summary of Hydrocarbon Fingerprinting Results (NYS Method DOH 310-13/14)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-36	MW-36A	MW-36A	MW-36A	MW-36A	MW-36A	MW-37
Depth (ft):	NYSDEC	20-22	0-2	2-4	4-6	8-10	10-12	2-4
Sample Date:	TAGM 4046	11/14/00	11/15/00	11/15/00	11/15/00	11/15/00	11/15/00	11/10/00
Diesel Fuel	ns	12	11 U	9.9 U	10 U	2,300	7,300	11 U
Fuel Oil (#4)	ns	10 U	11 U	9.9 U	10 U	56 U	110 U	11 U
Fuel Oil (#6)	ns	10 U	11 U	9.9 U	10 U	56 U	110 U	11 U
Kerosene	ns	10 U	26 10	U	11 U	58 U	120 U	11 U
Lubricating Oil	ns	10 U	200	560	11 U	58 U	120 U	11 U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on page 12.

Soil Boring Samples
Table 2f - Summary of Hydrocarbon Fingerprinting Results (NYS Method DOH 310-13/14)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-37	MW-37	MW-38	MW-38	MW-38	MW-39	MW-39
Depth (ft):	NYSDEC	8-10	15-17	0-2	6-8	10-12	0-2	2-4
Sample Date:	TAGM 4046	11/10/00	11/10/00	11/09/00	11/09/00	11/09/00	11/09/00	11/09/00
Diesel Fuel	ns	11 U	1,800	11 U	260 U	120 U	200 U	11 U
Fuel Oil (#4)	ns	11 U	35 U	11 U	16,000	5,300	200 U	11 U
Fuel Oil (#6)	ns	11 U	35 U	11 U	260 U	120 U	200 U	11 U
Kerosene	ns	11 U	36 U	12 U	270 U	130 U	210 U	11 U
Lubricating Oil	ns	11 U	36 U	160 270	U	120 U	5,900 880	

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.

See notes on page 12.

Soil Boring Samples
Table 2f - Summary of Hydrocarbon Fingerprinting Results (NYS Method DOH 310-13/14)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-39	MW-39	MW-39	MW-39	MW-40	MW-40	MW-40
Depth (ft):	NYSDEC	4-6	6-8	12-14	20-22	2-4	12-14	18-20
Sample Date:	TAGM 4046	11/09/00	11/09/00	11/09/00	11/09/00	11/08/00	11/08/00	11/08/00
Diesel Fuel	ns	53 U	120 U	230 U	240 U	11 U	340	380
Fuel Oil (#4)	ns	53 U	6,100	9,900	10,000	11 U	13 U	13 U
Fuel Oil (#6)	ns	53 U	120 U	230 U	240 U	140	13 U	13 U
Kerosene	ns	56 U	130 U	250 U	260 U	11 U	14 U	13 U
Lubricating Oil	ns	3,200	120 U	240 U	250 U	55 U	68 U	66 U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on page 12.

Soil Boring Samples
Table 2f - Summary of Hydrocarbon Fingerprinting Results (NYS Method DOH 310-13/14)

Analyte		**Sample Collection Designation & Collection Date**						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-41	MW-41	MW-41	MW-42	MW-42	MW-42	MW-42
Depth (ft):	NYSDEC	0-2	2-4	8-10	0-2	2-4	4-6	8-10
Sample Date:	TAGM 4046	11/10/00	11/10/00	11/10/00	11/09/00	11/09/00	11/09/00	11/09/00
Diesel Fuel	ns	11 U	11 U	460	11 U	10 U	11 U	3,400
Fuel Oil (#4)	ns	11 U	11 U	12 U	11 U	10 U	11 U	110 U
Fuel Oil (#6)	ns	11 U	11 U	12 U	190	27	11 U	110 U
Kerosene	ns	12 U	12 U	13 U	11 U	11 U	11 U	120 U
Lubricating Oil	ns	12 U	12 U	13 U	11 U	11 U	11 U	120 U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on page 12.

Soil Boring Samples
Table 2f - Summary of Hydrocarbon Fingerprinting Results (NYS Method DOH 310-13/14)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-42	TMW-1	TMW-3	TMW-3	TMW-4	TMW-5	TMW-5
Depth (ft):	NYSDEC	14-16	8-10	6-8	10-12	8-10	8-10	12-14
Sample Date:	TAGM 4046	11/09/00	11/16/00	11/09/00	11/09/00	11/15/00	11/16/00	11/16/00
Diesel Fuel	ns	2,800	12 U	12 U	240 U	31 U	11 U	1,300
Fuel Oil (#4)	ns	130 U	12 U	110	8,100	31 U	760	35 U
Fuel Oil (#6)	ns	130 U	12 U	12 U	240 U	31 U	11 U	35 U
Kerosene	ns	130 U	13 U	13 U	260 U	33 U	12 U	36 U
Lubricating Oil	ns	130 U	13 U	64 U	1,300 U	1,600	12 U	36 U

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.
See notes on page 12.

Soil Boring Samples
Table 2f - Summary of Hydrocarbon Fingerprinting Results (NYS Method DOH 310-13/14)

Analyte		Sample Collection Designation & Collection Date			
Source:		1	1	1	1
Sample ID:		TMW-6	TMW-6	TMW-6DUP	TMW-7
Depth (ft):	NYSDEC	10-12	12-14	12-14	10-12
Sample Date:	TAGM 4046	11/13/00	11/13/00	11/13/00	11/13/00
Diesel Fuel	ns	2,200	3,000 J	9,600 J	32 U
Fuel Oil (#4)	ns	36 U	61 U	240 U	32 U
Fuel Oil (#6)	ns	36 U	61 U	240 U	32 U
Kerosene	ns	38 U	64 U	250 U	34 U
Lubricating Oil	ns	37 U	64 U	250 U	1,800

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent.

Notes:
DUP = Duplicate sample
U = The compound or analyte was not detected at the Practical Quantitation (PQL), or Method Detection Limit (MDL).
J = The compound or analyte was positively identified, but the associated numerical value is an estimated concentration. This qualifier is used when the data evaluation procedure identifies a deficiency in the data generation process. This qualifier is also used when a compound or analyte is detected at estimated concentrations less than the PQL, or MDL.
JN = The compound or analyte was tentatively identified and the associated numerical value is an estimated concentration. This qualifier is used when the data evaluation procedure identifies a deficiency in the data generation process.
ns = Indentifies all parameters that were analyzed with no known standard.
NA = Sample was not analyzed for this constituent.

Soil Boring Samples
Table 2g - Summary of Inorganic Results (EPA Method 6000/7000)

Analyte		Sample Collection Designation & Collection Date						
Source:		2	2	2	2	2	2	2
Sample ID:		MW-17	MW-17	MW-18	MW-19	MW-20	MW-20	MW-21
Depth (ft):	NYSDEC	10-12	12-14	10-12	12-14	10-12	12-14	12-14
Sample Date:	TAGM 4046	11/23/99	11/23/99	11/17/99	11/29/99	11/18/99	11/18/99	11/23/99
Aluminum	SB	13,600 17,200		7,810 J	14,300 *	21,700	17,700	11,300
Antimony	SB	R	R	R	R	R	R	R
Arsenic	7.5 or SB	4 J	3.50 J	6.30 J	3.60	**8.20 J**	4.70 J	**18 J**
Barium	300 or SB	57.1 J	82.4 J	54.3	130	99.2 J	82.4 J	139 J
Beryllium	0.16 or SB	**0.430**	**0.60**	0.38 U	0.38 U	**0.520**	**0.600**	**0.390**
Cadmium	1 or SB	NA	NA	NA	NA	NA	NA	NA
Calcium	SB	1,520 23.5		2,630 J	2,450	1,630	2,050	9,490
Chromium	10 or SB	**16.1 ***	**23 ***	**13.3 J**	**18.2**	**25.3 ***	**23.1 ***	**58.3 ***
Cobalt	30 or SB	7.70 *	13.7 *	7 J	8.30	9.70 *	8.90 *	11.9 *
Copper	25 or SB	15.1 J	21.8 J	**59.7 J**	19.1	18.5 J	17 J	**475 J**
Iron	2,000 or SB	**20,500 ***	**25,900 ***	**21,000**	**19,000 J**	**27,800 ***	**24,900 ***	**70,600 ***
Lead	SB	9.80 15.8		123 J	R	16.1	14.5	622 *
Magnesium	SB	2,800 *	4,500 *	1,590 J	3,370 J	4,370 *	3,950 *	5,370 *
Manganese	SB	205 *	627 *	783 J	184 J	472 *	376 *	719 *
Mercury	0.1	0.0200 0.05		**0.570**	0.0700	0.0600	0.0600	0.02 U
Nickel	13 or SB	**16.8 J**	**31.5 J**	**16 J**	**19**	**23.4 J**	**21.9 J**	**40.1 J**
Potassium	SB	2,660 J	2,890 J	1,040	2,830 *	4,100 J	3,240 J	2,410 J
Selenium	2 or SB	0.310 UJ	0.350 UJ	1.40 J	0.330 UJ	0.350 UJ	0.330 UJ	0.92 J
Silver	SB	NA	NA	NA	NA	NA	NA	NA
Sodium	SB	283 J	359 J	178	304 J	145 J	118 J	286 J
Vanadium	150 or SB	30.4 J	30.8 J	20.6 J	29.4	39.3 J	34.7 J	38.1 J
Zinc	20 or SB	**50.5 J**	**75.8 J**	**79.7 J**	R	**64.3 J**	**57.8 J**	**125 J**

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm)

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent
See notes on page 12.

Soil Boring Samples
Table 2g - Summary of Inorganic Results (EPA Method 6000/7000)

Analyte		Sample Collection Designation & Collection Date						
Source:		2	2	2	2	2	2	2
Sample ID:		MW-22	MW-23	MW-24	MW-24	MW-25	MW-26	MW-27
Depth (ft):	NYSDEC	10-12	12-14	12-14	18-20	12-14	12-14	12-14
Sample Date:	TAGM 4046	11/29/99	11/24/99	11/19/00	11/19/99	11/17/99	11/17/99	11/18/99
Aluminum	SB	14,000 *	19,600	5,010 J	6,220 J	5,530 J J	7,550 J	5,860 J
Antimony	SB	R	R	R	R	R	R	R
Arsenic	7.5 or SB	7.2 J	6.5 J	**25.8 J**	3.3 J	**20.7 J**	3.2 J	**10.4 J**
Barium	300 or SB	92.4	128 J	30.9	9.10	101	44	28.3
Beryllium	0.16 or SB	0.38 U	**0.570**	0.38 U	0.38 U	0.39 U	0.5 U	0.35 U
Cadmium	1 or SB	NA	NA	NA	NA	NA	NA	NA
Calcium	SB	48,100 12,100		1,110 J	3,160 J	12,800 J	6,740 J	1,250 J
Chromium	10 or SB	**20**	**26.3 ***	**31.3 J**	**13.6 J**	**15.8 J**	**15 J**	9.6 J
Cobalt	30 or SB	8.10	9.20 *	8.60 J	3.8 J	7.2 J	9 J	6.6 J
Copper	25 or SB	**28.5**	**43.9 J**	**162 J**	**132 J**	**74 J**	24.3 J	**16,200 J**
Iron	2,000 or SB	**22,300 J**	**26,000 ***	**82,900**	**89,900**	**18,000**	**19,600**	**26,200**
Lead	SB	R	129 *	66.7 J	57.7 J	47.9 J	38.6 J	464 J
Magnesium	SB	7,650 J	6,860 *	R	R	5,650 J	4,820 J	R
Manganese	SB	353 J J	514 *	253 J	682 J	83.9 J	284 J	195 J
Mercury	0.1	**0.310**	**0.120**	0.0800	0.0600	0.0700	**0.200**	**0.110**
Nickel	13 or SB	**21**	**26.6 J**	**22.4 J**	**15 J**	**21.7 J**	**22.2 J**	**17.4 J**
Potassium	SB	3,760 *	4,930 J	772	467	1,050	1,260	582
Selenium	2 or SB	0.340 UJ	0.350 UJ	0.51 J	0.340 UJ	0.350 UJ	0.450 UJ	1.3 J
Silver	SB	NA	NA	NA	NA	NA	NA	NA
Sodium	SB	167 197	J	131	96.9	173	116	100
Vanadium	150 or SB	26.9	37.4 J	51.7 J	26.6 J	20.2 J	18.7 J	18.9 J
Zinc	20 or SB	R	**81.6 J**	**67.7 J**	**32.2 J**	**63.1 J**	**94.7 J**	**403 J**

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm)

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent

See notes on page 12.

Soil Boring Samples
Table 2g - Summary of Inorganic Results (EPA Method 6000/7000)

Analyte		Sample Collection Designation & Collection Date						
Source:		2	2	2	2	2	2	1
Sample ID:		MW-28	MW-28	MW-29	MW-30	MW-30	MW-31	MW-32
Depth (ft):	NYSDEC	12-14	14-16	10-12	12-14	14-16	12-14	0-1
Sample Date:	TAGM 4046	11/18/99	11/18/99	11/18/99	11/19/99	11/19/99	11/30/99	11/08/00
Aluminum	SB	10,800 J	8,020 J	14,800	15,700 J	16,800 J	21,100 *	4710
Antimony	SB	R	R	R	R	R	R	4.2
Arsenic	7.5 or SB	4.8 J	3 J	3.8 J	5 J	6.9 J	7	**11**
Barium	300 or SB	69.7	49.1	80.3 J	61.4	96.8	114	66
Beryllium	0.16 or SB	0.36 U	0.36 U	**0.520**	0.39 U	0.36 U	**0.510**	0.340 U
Cadmium	1 or SB	NA	NA	NA	NA	NA	NA	0.630 J
Calcium	SB	2,400 J	1,410 J	2,310	2,050 J	3,030 J	2,290	99,700
Chromium	10 or SB	**18.2 J**	**12 J**	**20.8 ***	**17.9 J**	**24.4 J**	**25.3**	**30.0 J**
Cobalt	30 or SB	11.7 J	7.4 J	8.90 *	10.3 J	10.3 J	11.7	7.8
Copper	25 or SB	15 J	11.1 J	14.7 J	**27.4 J**	**47.2 J**	**25.1**	**118**
Iron	2,000 or SB	**23,900**	**17,800**	**22,600 ***	**25,100**	**30,700**	**30,000 J**	**38,700**
Lead	SB	11.6 J	10.6 J	8.40	12.7 J	55.4 J	R	260 J
Magnesium	SB	3670 J	2,640 J	3,530 *	R	R	4,570 J	34,700 J
Manganese	SB	599 J	362 J	515 *	227 J	401 J	754 J	281 J
Mercury	0.1	0.0500	0.0300	0.0400	0.0700	0.0700	0.0500	**0.5**
Nickel	13 or SB	**25.9 J**	**18.8 J**	**20.9 J**	**24.5 J**	**25.7 J**	**25.9**	**46 J**
Potassium	SB	1,920	1,190	3,300 J	1,950	2,990	4,510 *	1,620 J
Selenium	2 or SB	0.320 UJ	0.320 UJ	0.350 UJ	0.350 UJ	0.320 UJ	0.360 UJ	NA
Silver	SB	NA	NA	NA	NA	NA	NA	0.470 U
Sodium	SB	94.8	59.8	486 J	157	230	198 J	223 J
Vanadium	150 or SB	25 J	18.9 J	31.4 J	25.8 J	33.4 J	39.9	27
Zinc	20 or SB	**88.9 J**	**56.3 J**	**63.5 J**	**64.4 J**	**80.2 J**	R	**74 J**

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm)

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent
See notes on page 12.

Soil Boring Samples
Table 2g - Summary of Inorganic Results (EPA Method 6000/7000)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-32	MW-32	MW-32	MW-33	MW-33	MW-33	MW-33
Depth (ft):	NYSDEC	1-3	3-5	9-11	0-2	2-4	4-6	10-12
Sample Date:	TAGM 4046	11/08/00	11/08/00	11/08/00	11/13/00	11/13/00	11/13/00	11/13/00
Aluminum	SB	3,260 2,780		2,020	6,350	6,440	10,800	9,770
Antimony	SB	4.3 3		2.90 U	2.89 UJ	2.92 UJ	2.92 UJ	2.53 UJ
Arsenic	7.5 or SB	**11**	**26**	**11**	5.15 U	**10.1**	5.51	**8.39**
Barium	300 or SB	79	53	47	58.4	68.9	66.1	75.3
Beryllium	0.16 or SB	0.340 U	0.330 U	0.350 U	0.350 U	**0.53**	**0.583**	**0.552**
Cadmium	1 or SB	0.700 J	0.510 J	0.430 U	0.433 UJ	**1.8 J**	0.438 UJ	0.379 UJ
Calcium	SB	73,600 3,780		4,530	38,900	74,700	27,900	6,000
Chromium	10 or SB	**54 J**	**403 J**	**25 J**	**22.2**	**16.7**	**16**	**15.8**
Cobalt	30 or SB	11	15	8.4	3.38	5.35	6.46	7.58
Copper	25 or SB	**273**	**420**	**103**	**38.3**	**179**	**58.8**	**61.1**
Iron	2,000 or SB	**66,300**	**138,000**	**28,800**	**14,900**	**35,700**	**20,500**	**21,300**
Lead	SB	297 J	138 J	62 J	59.7	125	86.9	595
Magnesium	SB	22,600 J	940 J	1,480 J	16,000	31,100	11,800	2,520
Manganese	SB	399 J	352 J	192 J	199	326	275	177
Mercury	0.1	**0.39**	**0.28**	**0.16**	**0.502**	**0.67**	**0.321**	**0.567**
Nickel	13 or SB	**100 J**	**80 J**	**50 J**	**18.3 J**	**24.7 J**	**16.6 J**	**15 J**
Potassium	SB	643 J	470 J	316 J	1,710 J	1,750 J	2,800 J	1,880 J
Selenium	2 or SB	NA	NA	NA	NA	NA	NA	NA
Silver	SB	0.98 0.450	U	0.51	0.484 U	0.491 U	0.49 U	0.424 U
Sodium	SB	276 J	166 J	163 J	115 J	170 J	158 J	158 J
Vanadium	150 or SB	27	105	11	19.7	19.8	24.4	28.3
Zinc	20 or SB	**103 J**	**34 J**	**46 J**	**1,780 J**	**1,340 J**	**206 J**	**185 J**

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm)

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent
See notes on page 12.

Soil Boring Samples
Table 2g - Summary of Inorganic Results (EPA Method 6000/7000)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-34	MW-34	MW-34	MW-34	MW-34	MW-35	MW-35
Depth (ft):	NYSDEC	0-2	2-4	4-6	8-10	12-14	0-2	2-4
Sample Date:	TAGM 4046	11/09/00	11/09/00	11/09/00	11/09/00	11/09/00	11/13/00	11/13/00
Aluminum	SB	8,340 5,630		6,970	7,920	9,430	7,180	4,880
Antimony	SB	2.93 UJ	2.92 UJ	2.69 UJ	3.05 UJ	3.34 UJ	3.02 UJ	2.89 UJ
Arsenic	7.5 or SB	5.23 U	5.21 U	4.80 U	5.44 U	5.96 U	**29.5**	**23.7**
Barium	300 or SB	42.3	20.2	26.9	30.2	41.5	84	67.9
Beryllium	0.16 or SB	**0.452** 0.354	U	**0.451**	**0.39**	**0.466**	0.367 U	**0.738**
Cadmium	1 or SB	0.439 UJ	0.438 UJ	0.403 UJ	0.457 UJ	0.500 UJ	0.706 J	0.434 UJ
Calcium	SB	14,300 24,200		23,500	30,100	16,000	88,000	19,100
Chromium	10 or SB	**17.4 J**	**19.1 J**	**10.6 J**	**11.7 J**	**11.6 J**	**174**	**92.2**
Cobalt	30 or SB	5.12	2.96	3.08	3.43	5.19	10.8	12.8
Copper	25 or SB	**46.7 J**	8.59 J	12.8 J	22.7 J	14.2 J	**203**	**80.5**
Iron	2,000 or SB	**18,300 J**	**9,770 J**	**10,600 J**	**11,300 J**	**13,900 J**	**73,000**	**45,300**
Lead	SB	55.1 5.21	U	8.04	13.2	11.5	104	33.8
Magnesium	SB	5,150 2,200		3,020	4,120	3,780	20,400	2,920
Manganese	SB	251 J	202 J	194 J	180 J	230 J	587 353	
Mercury	0.1	**0.398** 0.0207	U	0.0441	0.0458	0.0395	0.0527	0.0403
Nickel	13 or SB	**15.8**	12.6	8.69	10.2	11.7	**93.4 J**	**30 J**
Potassium	SB	1,330 J	1,380 J	1,890 J	1,590 J	2,360 J	2,020 J	726 J
Selenium	2 or SB	NA	NA	NA	NA	NA	NA	NA
Silver	SB	0.492 UJ	0.490 UJ	0.451 UJ	0.511 UJ	0.560 UJ	0.507 U	0.485 U
Sodium	SB	112 J	64.3 J	92.3 J	92.4 J	108 J	427 J	249 J
Vanadium	150 or SB	33.7 J	12.6 J	19.8 J	26.6 J	22.4 J	41.3	32
Zinc	20 or SB	**61.4 J**	**21.5 J**	**24.9 J**	**28.6 J**	**37.1 J**	**87.1 J**	**27.7 J**

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm)

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent
See notes on page 12.

Soil Boring Samples
Table 2g - Summary of Inorganic Results (EPA Method 6000/7000)

Analyte		**Sample Collection Designation & Collection Date**						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-35	MW-35	MW-35	MW-36	MW-36	MW-36	MW-36
Depth (ft):	NYSDEC	4-6	8-10	20-22	0-2	2-4	4-6	8-10
Sample Date:	TAGM 4046	11/13/00	11/13/00	11/13/00	11/14/00	11/14/00	11/14/00	11/14/00
Aluminum	SB	3,940	6,220	7,050	14,100	9,930	9,280	7,560
Antimony	SB	3.64	4.24 J	3.23 UJ	2.83 UJ	2.92 UJ	2.83 UJ	3.12 UJ
Arsenic	7.5 or SB	**26.7**	**56.7**	**30.5**	5.05 U	**9.02**	5.05 U	5.57 U
Barium	300 or SB	41.7	51.1	101	87.5	60.2	39.1	25.9
Beryllium	0.16 or SB	0.411 U	0.345 U	**1.02**	**0.582**	**0.687**	**0.418**	**0.413**
Cadmium	1 or SB	**1.02 J**	0.879 J	0.491 J	0.889	0.451	0.424 U	0.468 U
Calcium	SB	34,600	43,000	17,600	49,300	12,000	23,100	23,400
Chromium	10 or SB	**137**	**131**	**113**	**27.8 J**	**25.2 J**	9.82 J	7.83 J
Cobalt	30 or SB	16.7	19.9	15.8	6.59	8.15	3.53	4.61
Copper	25 or SB	**693**	**709**	**95.0**	**25.9 J**	**114 J**	8.5 J	10.8 J
Iron	2,000 or SB	**122,000**	**134,000**	**50,900**	**21,400**	**32,300**	**11,000**	**13,500**
Lead	SB	609	248	38.2	21.4 J	93.7 J	5.05 UJ	5.57 UJ
Magnesium	SB	6,150	8,130	3,680	19,000	4,550	2,450	2,920
Manganese	SB	856	571	284	380	447	283	253
Mercury	0.1	**0.12**	**0.129**	0.0351	**0.106**	**0.177**	0.0185 U	0.0209 U
Nickel	13 or SB	**49.1 J**	**55.8 J**	**37.0 J**	**18.5 J**	**19.7 J**	7.84 J	10.9 J
Potassium	SB	776 J	1,430 J	1,370 J	4,360	1,960	2,920	1,640
Selenium	2 or SB	NA	NA	NA	NA	NA	NA	NA
Silver	SB	0.568 U	0.651	0.543 U	0.475 U	0.49 U	0.475 U	0.523 U
Sodium	SB	486 J	285 J	378 J	415 J	333 J	263 J	190 J
Vanadium	150 or SB	96.8	45.8	38.9	31.9 J	29.1 J	19.6 J	15.6 J
Zinc	20 or SB	**174 J**	**129 J**	**37.2 J**	**57.4 J**	**44.3 J**	**23.3 J**	**30.8 J**

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm)

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent
See notes on page 12.

Soil Boring Samples
Table 2g - Summary of Inorganic Results (EPA Method 6000/7000)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-36	MW-36A	MW-36A	MW-36A	MW-36A	MW-36A	MW-37
Depth (ft):	NYSDEC	20-22	0-2	2-4	4-6	8-10	10-12	2-4
Sample Date:	TAGM 4046	11/14/00	11/15/00	11/15/00	11/15/00	11/15/00	11/15/00	11/10/00
Aluminum	SB	21,600	7,640	6,400	4,270	4,650	3,860	8,170
Antimony	SB	2.9 UJ	7.06 J	2.82 UJ	2.88 UJ	3.08 UJ	3.15 UJ	2.56 UJ
Arsenic	7.5 or SB	5.18 U	**18.9**	5.03 U	5.14 U	5.50 U	5.63 U	4.58 U
Barium	300 or SB	132	71.2	34.5	23.2	15.1	14.6	31.4
Beryllium	0.16 or SB	**0.802**	**0.727**	**0.391**	0.35 U	0.374 U	0.383 U	**0.342**
Cadmium	1 or SB	0.937	0.443 U	0.423 U	0.432 U	0.462 U	0.473 U	0.384 UJ
Calcium	SB	38,600	8,300	32,400	33,700	14,100	33,900	22,600
Chromium	10 or SB	**33.2 J**	**43.7 J**	**12.7 J**	**14.1 J**	**156 J**	5.21 J	8.64
Cobalt	30 or SB	7.97	8.05	4.15	3.18	3.54	3.45	3.34
Copper	25 or SB	27.3 J	**463 J**	13.7 J	14.1 J	9.77 J	7.58 J	14.0
Iron	2,000 or SB	**24,300**	**40,400**	**12,400**	**10,000**	**9,570**	**11,600**	**11,300**
Lead	SB	15.4 J	250 J	9.34 J	16.7 J	5.50 U	5.63 U	11.8
Magnesium	SB	15,600	3,450	8,100	4,790	1,950	2,280	2,350
Manganese	SB	473	301	247	214	94.4	662	184
Mercury	0.1	0.0611	**0.658**	0.0411	0.0304	0.0265	0.0223 U	0.0762
Nickel	13 or SB	**19.6 J**	**21 J**	10.4 J	7.83 J	7.96 J	7.59 J	7.8 J
Potassium	SB	8,160	1,540	1,640	788	848	677	1,660 J
Selenium	2 or SB	NA	NA	NA	NA	NA	NA	NA
Silver	SB	0.487 U	0.496 U	0.473 U	0.483 U	0.517 U	0.529 U	0.430 U
Sodium	SB	550 J	142 J	159 J	91.3 J	208 J	256 J	103 J
Vanadium	150 or SB	44.9 J	22.6 J	23.9 J	11.8 J	12.4 J	10.5 J	17.4
Zinc	20 or SB	**67 J**	**73.8 J**	**31.6 J**	**38.6 J**	**23.6 J**	21.3 J	**44.5 J**

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm)

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent
See notes on page 12.

Soil Boring Samples
Table 2g - Summary of Inorganic Results (EPA Method 6000/7000)

Analyte		**Sample Collection Designation & Collection Date**						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-37	MW-37	MW-38	MW-38	MW-38	MW-39	MW-39
Depth (ft):	NYSDEC	8-10	15-17	0-2	6-8	10-12	0-2	2-4
Sample Date:	TAGM 4046	11/10/00	11/10/00	11/09/00	11/09/00	11/09/00	11/09/00	11/09/00
Aluminum	SB	9,710 18,700		6,950	12,900	5,190	3,730	5,530
Antimony	SB	2.70 UJ	3.18 UJ	2.92 UJ	3.33 UJ	2.72 UJ	2.05 UJ	3.07 UJ
Arsenic	7.5 or SB	4.83 U	5.67 U	5.22 U	6.33	4.85 U	**8.08** 5.49	U
Barium	300 or SB	44.6	102	66.9	60.9	19.5	45.5	33.5
Beryllium	0.16 or SB	**0.375**	**0.667**	0.355 U	**0.886**	**0.361**	**0.337**	**0.46**
Cadmium	1 or SB	0.406 UJ	0.476 UJ	0.439 UJ	0.673 J	0.407 UJ	0.308 UJ	0.461 UJ
Calcium	SB	44,900 8,670		3,610	6,110	16,000	131,000	46,200
Chromium	10 or SB	9.2	**21**	**11.0 J**	**17.5 J**	6.56 J	**12.4 J**	**10.8 J**
Cobalt	30 or SB	3.57	8.07	3.8	17	3.65	3	4.22
Copper	25 or SB	8.76	12.4	24.6 J	**84.1 J**	10.8 J	21.2 J	**27.9 J**
Iron	2,000 or SB	**11,400**	**21,000**	**15,600 J**	**13,700 J**	**9,300 J**	**9,380 J**	**14,200 J**
Lead	SB	6.06 11		11.3	24.3	4.85 U	23.2	42.5
Magnesium	SB	3,360 5,340		1,810	2,190	2,120	57,400	13,800
Manganese	SB	290 391		180 J	124 J	146 J	264 J	192 J
Mercury	0.1	0.0346 0.0304		0.0579	0.0695	0.0288	0.0807	**0.296**
Nickel	13 or SB	7.81 J	**17.7 J**	8.54	**43.3**	9.59	10.7 10.1	
Potassium	SB	2640 J	4,980 J	1,210 J	1,880 J	1,290 J	1,680 J	1,550 J
Selenium	2 or SB	NA	NA	NA	NA	NA	NA	NA
Silver	SB	0.454 U	0.533 U	1.42 J	1.22 J	0.456 UJ	0.345 UJ	0.516 UJ
Sodium	SB	838 J	2,160 J	163 J	243 J	126 J	128 J	120 J
Vanadium	150 or SB	20.6	36.9	17.5 J	25.5 J	13.1 J	35.4 J	19.6 J
Zinc	20 or SB	**27.4 J**	**48.4 J**	**35.2 J**	**119 J**	**26 J**	**29 J**	**27.5 J**

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm)

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent
See notes on page 12.

Soil Boring Samples
Table 2g - Summary of Inorganic Results (EPA Method 6000/7000)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-39	MW-39	MW-39	MW-39	MW-40	MW-40	MW-40
Depth (ft):	NYSDEC	4-6	6-8	12-14	20-22	2-4	12-14	18-20
Sample Date:	TAGM 4046	11/09/00	11/09/00	11/09/00	11/09/00	11/08/00	11/08/00	11/08/00
Aluminum	SB	4,850 4,980		6,160	12,500	7,400	17,800	11,100
Antimony	SB	2.9 UJ	2.93 UJ	3.36 UJ	3.16 UJ	3.1 U	3 U	2.80 U
Arsenic	7.5 or SB	5.18 U	5.22 U	5.99 U	5.65 U	**7.5**	7.2 5.00	U
Barium	300 or SB	17.3	18.7	28.3	68.0	43	115	59
Beryllium	0.16 or SB	0.352 U	0.355 U	0.407 U	**0.528**	0.37 U	**0.92**	**0.52**
Cadmium	1 or SB	0.435 UJ	0.439 UJ	0.503 UJ	0.474 UJ	0.46 U	0.520 J	0.42 U
Calcium	SB	16,700 30,400		26,300	8,530	28,300	3,320	1,600
Chromium	10 or SB	6.26 J	6.24 J	8.72 J	**15.3 J**	**15 J**	**27.0 J**	**14 J**
Cobalt	30 or SB	2.57	2.62	3.29	6.88	6.2	12	8.9
Copper	25 or SB	5.06 J	5.98 J	10.3 J	12.8 J	**82.0**	**58.0** 13.0	
Iron	2,000 or SB	**9,050 J**	**10,700 J**	**10,800 J**	**18,700 J**	**34,800**	**45,500**	**19,300**
Lead	SB	5.18 U	5.22 U	10.2	8.61	202 J	38 J	8.9 J
Magnesium	SB	3,120 3,880		3,260	4,590	5,230 J	4,260 J	2,950 J
Manganese	SB	108 J	129 J	168 J	360 J	335 J	450 J	289 J
Mercury	0.1	0.0232 U	0.0247 U	0.0302	0.0257	**0.1**	**0.15**	0.025
Nickel	13 or SB	5.32	5.4	7.2	**16.1**	**15 J**	**27.0 J**	**19 J**
Potassium	SB	1,040 J	1,070 J	1,590 J	2,690 J	1,540 J	3,980 J	1,750 J
Selenium	2 or SB	NA	NA	NA	NA	NA	NA	NA
Silver	SB	0.487 UJ	0.491 UJ	0.563 UJ	0.531 UJ	0.57	0.51 U	0.47 U
Sodium	SB	86 J	79.8 J	101 J	106 J	231 J	263 J	106 J
Vanadium	150 or SB	13.2 J	17.3 J	19 J	27.9 J	20.0	41.0	24.0
Zinc	20 or SB	16.2 J	17.9 J	**22 J**	**43.3 J**	**59 J**	**68.0 J**	**44 J**

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm)

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent
See notes on page 12.

Soil Boring Samples
Table 2g - Summary of Inorganic Results (EPA Method 6000/7000)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-41	MW-41	MW-41	MW-42	MW-42	MW-42	MW-42
Depth (ft):	NYSDEC	0-2	2-4	8-10	0-2	2-4	4-6	8-10
Sample Date:	TAGM 4046	11/10/00	11/10/00	11/10/00	11/09/00	11/09/00	11/09/00	11/09/00
Aluminum	SB	9,860	5,710	10,000	9,260	5,390	8,500	10,800
Antimony	SB	4.81 J	3.08 UJ	3.20 UJ	2.86 UJ	2.62 UJ	2.71 UJ	2.88 UJ
Arsenic	7.5 or SB	**32.4**	**16.8**	**10.4**	6.28	4.68 U	4.84 U	5.14 U
Barium	300 or SB	**8,320**	**1,140**	133	52.8	25.0	32.8	44.0
Beryllium	0.16 or SB	**1.24**	**0.798**	0.389 U	**0.569**	**0.346**	**0.421**	**0.421**
Cadmium	1 or SB	0.616 J	0.763 J	0.481 UJ	0.43 UJ	0.393 UJ	0.407 UJ	0.432 UJ
Calcium	SB	20,600	18,200	3,610	71,500	58,200	29,900	34,000
Chromium	10 or SB	**117**	**29.9**	**18.4**	**15.7 J**	6.62 J	9.65 J	**10.7 J**
Cobalt	30 or SB	13.7	10.5	10.3	5	2.82	4.2	4.08
Copper	25 or SB	**134**	**44.4**	**138**	**32 J**	9.62 J	11.1 J	10.4 J
Iron	2,000 or SB	**102,000**	**54,000**	**90,800**	**29,000 J**	**10,000 J**	**12,800 J**	**12,500 J**
Lead	SB	143	50.7	91.3	29.6	9.42	9.67	8.18
Magnesium	SB	9,250	8,200	1,980	19,000	16,400	3,240	3,450
Manganese	SB	543	141	206	283 J	205 J	248 J	291 J
Mercury	0.1	**0.585**	**0.208**	**0.233**	**0.164**	**0.161**	0.0505	0.0263
Nickel	13 or SB	**108 J**	**39.1 J**	**34.3 J**	**46.6**	7.56	9.23	11.1
Potassium	SB	2,230 J	1,210 J	1,790 J	2,980 J	1,250 J	2,210 J	2,710 J
Selenium	2 or SB	NA	NA	NA	NA	NA	NA	NA
Silver	SB	0.463 U	0.517 U	0.538 U	0.481 UJ	0.440 UJ	0.455 UJ	0.483 UJ
Sodium	SB	237 J	167 J	139 J	156 J	92.2 J	91.8 J	136 J
Vanadium	150 or SB	41.1	21.7	29.1	26.4 J	12.1 J	21.4 J	23.2 J
Zinc	20 or SB	**98.9 J**	**33.2 J**	**67 J**	**48.6 J**	**25.9 J**	**67.1 J**	**28.7 J**

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm)

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent
See notes on page 12.

Soil Boring Samples
Table 2g - Summary of Inorganic Results (EPA Method 6000/7000)

Analyte		Sample Collection Designation & Collection Date						
Source:		1	1	1	1	1	1	1
Sample ID:		MW-42	MW-43	TMW-1	TMW-3	TMW-3	TMW-3	TMW-4
Depth (ft):	NYSDEC	14-16	20-22	8-10	6-8	10-12	12-14	8-10
Sample Date:	TAGM 4046	11/09/00	11/14/00	11/16/00	11/09/00	11/09/00	11/09/00	11/15/00
Aluminum	SB	24,000 17,400		9,380	25,100	12,000	20,700	22,800
Antimony	SB	2.63 UJ	2.71 UJ	2.88 UJ	3.44 UJ	3.42 UJ	2.03 U	2.50 UJ
Arsenic	7.5 or SB	4.69 U	4.85 U	5.5	6.14 U	6.1 U	3.63 U	4.46 U
Barium	300 or SB	129	102	96.3	132	60.6	107	146
Beryllium	0.16 or SB	**0.939**	**0.824**	**0.639**	**0.987**	**0.76**	**0.868**	**1.1**
Cadmium	1 or SB	0.394 UJ	0.407 U	0.432 U	0.516 UJ	0.512 UJ	0.305 U	0.374 U
Calcium	SB	9,740 3,290		4,670	9,520	4,570	2,630	4,730
Chromium	10 or SB	**25.6 J**	**20.7 J**	**16.1 J**	**26.1 J**	**21.6 J**	**22.2**	**25.9 J**
Cobalt	30 or SB	9.41	8.93	7.78	9.28	16.9	9.58	12.8
Copper	25 or SB	16.4 J	16.4 J	**64.2 J**	18.3 J	**40.9 J**	16.6	**25 J**
Iron	2,000 or SB	**23,300 J**	**22,000**	**22,800**	**22,500 J**	**42,000 J**	**21,900**	**33,600**
Lead	SB	11.8 10.7	J	80.2 J	16.2	35.4	10.2	22.8 J
Magnesium	SB	6,340 4,650		1,520	5,230	2,370	4,240	5,640
Manganese	SB	564 J	239	295	592 J	222 J	379	978
Mercury	0.1	0.0350 0.0358		**0.393**	0.0719	0.0794	0.0359	0.0653
Nickel	13 or SB	**21.2**	**20.7 J**	**15.2 J**	**20.6**	**26.3**	**19.9**	**22.8 J**
Potassium	SB	7,070 J	4,330	1,860	7,590 J	2,730 J	5,730	6,480
Selenium	2 or SB	NA	NA	NA	NA	NA	NA	NA
Silver	SB	0.441 UJ	0.456 U	0.483 U	0.577 UJ	0.573 UJ	0.342 U	0.419 U
Sodium	SB	256 J	218 J	1060 J	319 J	237 J	196	206 J
Vanadium	150 or SB	44.1 J	37 J	25.7 J	46 J	32.2 J	39.5	47.1 J
Zinc	20 or SB	**58.7 J**	**59.5 J**	**55.9 J**	3.18 UJ	**35.3 J**	**56.4**	**71 J**

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm)

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent
See notes on page 12.

Soil Boring Samples
Table 2g - Summary of Inorganic Results (EPA Method 6000/7000)

Analyte		Sample Collection Designation & Collection Date	
Source:		1	1
Sample ID:		TMW-5	TMW-5
Depth (ft):	NYSDEC	8-10	12-14
Sample Date:	TAGM 4046	11/16/00	11/16/00
Aluminum	SB	24,900	21,900
Antimony	SB	2.84 UJ	2.55 UJ
Arsenic	7.5 or SB	5.17	6.04
Barium	300 or SB	151	114
Beryllium	0.16 or SB	**0.982**	**0.999**
Cadmium	1 or SB	0.426 U	0.383 U
Calcium	SB	2,320	1,970
Chromium	10 or SB	**29.4 J**	**24.7 J**
Cobalt	30 or SB	11	12
Copper	25 or SB	**26.5 J**	19.3 J
Iron	2,000 or SB	**24,800**	**28,500**
Lead	SB	65.5 J	12.9 J
Magnesium	SB	4,230	4,470
Manganese	SB	373	318
Mercury	0.1	**0.699**	0.0512
Nickel	13 or SB	**22.4 J**	**25.2 J**
Potassium	SB	6,860	5,690
Selenium	2 or SB	NA	NA
Silver	SB	0.476 U	0.428 U
Sodium	SB	244 J	170 J
Vanadium	150 or SB	46.9 J	45.7 J
Zinc	20 or SB	**98.9 J**	**66.1 J**

All results reported in milligrams per kilogram (mg/kg), or parts per million (ppm)

Results in bold indicate results which exceed NYSDEC TAGM #4046 recommended soil cleanup objective for a given constituent

Notes:

J = The compound or analyte was positively identified, but the associated numerical value is an estimated concentration. This qualifier is used when the data evaluation procedure identifies a deficiency in the data generation process. This qualifier is also used when a compound or analyte is detected at estimated concentrations less than the PQL, or MDL.

R = Indicates that the previously reported detection limit or sample result has been rejected due to a significant deficiency in the data generation process The data should not be used for any qualitative or quantitative purposes.

NA = Sample was not analyzed for this constituent.

* = Laboratory duplicate analysis was outside control limits.

U = The compound or analyte was not detected at the Practical Quantitation (PQL), or Method Detection Limit (MDL)

S = The reported value was determined bt the Method of Standard Additions.

B = Indicates an estimated value between the instrument detection limit and the CLP-required detection limit

SB = site background

Data in this workbook is taken from the following sources:

1 Blasland, Bouck & Lee, Inc. , February 2002, Draft Site Investigation Summary Report.
2 Blasland, Bouck & Lee, Inc., July 2000, Site Investigation Work Plan.
3 ABB Environmental Services, Inc., September 1997, Investigation Program Report Subsurface Investigation Proposed EVI Facility.
4 Dames & Moore, May 1993, Summary of Activities Related to Selected Issues Noted in NYSDEC Order on Consent File No. R4-1338-92-05, Job #24707-001-017.

Note:

The source of the data is identified in the source row for each sample.

NYSDEC TAGM #4046 values are taken from New York State Department of Environmental Conservation Division of Environmental Remediation Guidance Document, Technical and Administrative Guidance Memorandum #4046, Determination of Soil Cleanup Objectives and Cleanup Levels, Appendix A Recommended Soil Cleanup Objectives, January 24, 1994.

As per the TAGM, total VOCs must be less than 10 mg/kg, total SVOCs must be less than 500 mg/kg and individual SVOCs must be less than 50 mg/kg.

Analytical method information is included in the table headings if available; however, this information was not available for every sample.

Groundwater Samples
Table 3a - Summary of Volatile Organic Compound (VOC) Results (EPA Method 8260)

Analyte		Sample Collection Designation & Collection Date						
Source:	NYSDEC	1	1	1	2	2	2	2
Sample ID:	TOGS 1.1.1	DP-BG1	DP-BG1	DP-BG1	EVIMW-1	EVIMW-2	EVIMW-6	EVIMW-8
Sample Date:	Class GA	5/31/01	5/31/01	6/5/01	12/8/99	12/8/99	12/8/99	12/8/99
1,1,1-Trichloroethane	5	1 U	1 U	5 U	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	1 U	1 U	5 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	5	1 U	1 U	5 U	10 U	10 U	10 U	10 U
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	5	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethene (total)	5	3.2	**5.1**	**16** 10	U	10 U	10 U	10 U
2-Butanone	50	20 U	20 U	10 U	NA	NA	NA	NA
2-Hexanone	50	NA	NA	NA	10 U	10 U	10 U	10 U
Acetone	50	10 J	12 J	9.9 J	10 U	10 U	10 U	10 U
Benzene	1	NA	NA	NA	10 U	10 U	10 U	10 U
Bromodichloromethane	50	NA	NA	NA	NA	NA	NA	NA
Butylbenzene	5	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	10 U	10 U	10 U	10 U
Chloromethane	5	1 U	1 U	5 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	5	NA	NA	NA	10 U	10 U	10 U	10 U
Dibromochloromethane	50	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5	NA	NA	NA	10 U	10 U	10 U	10 U
Inert-Butylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	5	NA	NA	NA	NA	NA	NA	NA
meta and or para-Xylene	5	NA	NA	NA	10 U	10 U	10 U	10 U
Naphthalene	10	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	5	1 U	1 U	5 U	10 U	10 U	10 U	10 U
ortho-Xylene	5	NA	NA	NA	10 U	10 U	10 U	10 U
p-Isopropyltoulene	5	NA	NA	NA	NA	NA	NA	NA
Propylbenzene	5	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	5	NA	NA	NA	NA	NA	NA	NA
Styrene	5	NA	NA	NA	10 U	10 U	10 U	10 U
Tetrachloroethene	5	4.4	**7**	**14** 10	U	10 U	10 U	10 U
Toluene	5	0.58 J	0.61 J	5 U	10 U	10 U	10 U	10 U
trans-1,2-Dichloroethene	5	NA	NA	NA	10 U	10 U	10 U	10 U
Trichlorofluoromethane	5	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5	1 1.4		2.9 J	10 U	10 U	10 U	10 U
Vinyl Chloride	2	**2.2**	**3.9**	**45 D**	10 U	10 U	10 U	10 U
Xylenes (total)	5	1 U	0.99 J	10 U	10 U	10 U	10 U	10 U

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 16.

Groundwater Samples
Table 3a - Summary of Volatile Organic Compound (VOC) Results (EPA Method 8260)

Analyte		**Sample Collection Designation & Collection Date**						
Source:	NYSDEC	3	3	3	2	3	4	2
Sample ID:	TOGS 1.1.1	FB	MW-1	MW-2	MW-2	MW-3	MW-3	MW-3
Sample Date:	Class GA	9/2/1992	9/2/1992	9/2/1992	11/29/99	9/2/1992	5/5/1994	11/29/99
1,1,1-Trichloroethane	5	1 U	20 U	2 U	NA	2 U	NA	NA
1,1,2,2-Tetrachloroethane	5	1 U	20 U	**12**	NA	2 U	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	10 U	NA	NA	10 U
1,1-Dichloroethene	5	1 U	20 U	2 U	10 U	2 U	NA	10 U
1,2,4-Trimethylbenzene	5	0.8 J	**9.7 J**	2 U	NA	2 U	NA	NA
1,3,5-Trimethylbenzene	5	0.1 J	**8 J**	0.2 JB	NA	0.3 J	NA	NA
1,3-Dichlorobenzene	3	1 U	20 U	2 U	NA	2 U	NA	NA
1,4-Dichlorobenzene	3	1 U	20 U	2 U	NA	2 U	NA	NA
1,2-Dichloroethene (total)	5	NA	NA	NA	10 U	NA	NA	10 U
2-Butanone	50	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50	NA	NA	NA	10 U	NA	NA	10 U
Acetone	50	NA	NA	NA	10 U	NA	NA	10 U
Benzene	1	0.3 J	**1.9 J**	2 U	10 U	2 U	NA	10 U
Bromodichloromethane	50	0.6 J	20 U	2 U	NA	2 U	NA	NA
Butylbenzene	5	1 U	20 U	2 U	NA	2 U	NA	NA
Chlorobenzene	5	1 U	20 U	2 U	NA	2 U	NA	NA
Chloroform	7	2.4	20 U	2 U	10 U	2 U	NA	10 U
Chloromethane	5	1 U	20 U	2 U	10 U	0.4 J	NA	10 U
cis-1,2-Dichloroethene	5	NA	NA	NA	10 U	NA	NA	10 U
Dibromochloromethane	50	0.4 J	20 U	2 U	NA	2 U	NA	NA
Ethylbenzene	5	0.1 J	20 U	2 U	10 U	2 U	NA	10 U
Inert-Butylbenzene	ns	1 U	18 J	1.6 J	NA	1.9 J	NA	NA
Isopropylbenzene	5	1 U	**18 J**	**10**	NA	**13**	NA	NA
meta and or para-Xylene	5	0.5 JB	20 U	0.3 JB	10 U	0.3 JB	NA	10 U
Naphthalene	10	1 U	**140**	2 U	NA	2 U	NA	NA
Methylene Chloride	5	NA	NA	NA	10 U	NA	NA	10 U
ortho-Xylene	5	0.2 J	20 U	0.3 JB	10 U	0.7 J	NA	10 U
p-Isopropyltoulene	5	1 U	**47 B**	**5.8 B**	NA	**6.3 B**	NA	NA
Propylbenzene	5	1 U	**16 JB**	1.1 JB	NA	2 U	NA	NA
sec-Butylbenzene	5	1 U	**85**	**6.8**	NA	**7.3**	NA	NA
Styrene	5	1 U	20 U	2 U	10 U	2 U	NA	10 U
Tetrachloroethene	5	1 U	20 U	2 U	10 U	2 U	NA	10 U
Toluene	5	1.2	2.7 J	2 U	10 U	0.3 J	NA	10 U
trans-1,2-Dichloroethene	5	1 U	20 U	2 U	10 U	2 U	NA	10 U
Trichlorofluoromethane	5	1 U	20 U	2 U	NA	2 U	NA	NA
Trichloroethene	5	1 U	3.3 J	2 U	10 U	0.2 J	2 U	10 U
Vinyl Chloride	2	NA	NA	NA	10 U	NA	NA	10 U
Xylenes (total)	5	NA	NA	NA	10 U	NA	**5.1**	10 U

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 16.

Groundwater Samples
Table 3a - Summary of Volatile Organic Compound (VOC) Results (EPA Method 8260)

Analyte		Sample Collection Designation & Collection Date						
Source:	NYSDEC	1	3	2	3	3	2	2
Sample ID:	TOGS 1.1.1	MW-3	MW-4	MW-4	MW-5	MW-5 DUP	MW-5	MW-6
Sample Date:	Class GA	12/11/2000	9/2/1992	12/8/99	9/2/1992	9/2/1992	11/29/99	12/6/1999
1,1,1-Trichloroethane	5	10 U	20 U	NA	1 U	1 U	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	**36**	NA	1 U	1 U	NA	NA
1,1-Dichloroethane	5	10 U	NA	50 U	NA	NA	10 U	10 U
1,1-Dichloroethene	5	10 UJ	20 U	50 U	1 U	1 U	10 U	10 U
1,2,4-Trimethylbenzene	5	10 U	**87**	NA	1 U	1 U	NA	NA
1,3,5-Trimethylbenzene	5	10 U	20 U	NA	1 U	1 U	NA	NA
1,3-Dichlorobenzene	3	10 U	20 U	NA	1 U	1 U	NA	NA
1,4-Dichlorobenzene	3	10 U	20 U	NA	1 U	1 U	NA	NA
1,2-Dichloroethene (total)	5	10 U	NA	**8.7**	NA	NA	10 U	10 U
2-Butanone	50	10 U	NA	NA	NA	NA	NA	NA
2-Hexanone	50	NA	NA	50 U	NA	NA	10 U	10 U
Acetone	50	10 UJ	NA	50 U	NA	NA	10 U	10 U
Benzene	1	NA	**23**	50 U	1 U	1 U	10 U	10 U
Bromodichloromethane	50	10 U	20 U	NA	1 U	1 U	NA	NA
Butylbenzene	5	10 U	20 U	NA	1 U	1 U	NA	NA
Chlorobenzene	5	10 U	20 U	NA	1 U	1 U	NA	NA
Chloroform	7	NA	20 U	50 U	1 U	1 U	10 U	10 U
Chloromethane	5	2.3 J	20 U	50 U	1 U	1 U	10 U	10 U
cis-1,2-Dichloroethene	5	10 U	NA	50 U	NA	NA	10 U	10 U
Dibromochloromethane	50	10 U	20 U	NA	1 U	1 U	NA	NA
Ethylbenzene	5	NA	**8.5 J**	50 U	0.3 J	0.3 J	10 U	10 U
Inert-Butylbenzene	ns	10 U	20 U	NA	1 U	1 U	NA	NA
Isopropylbenzene	5	10 U	**24**	NA	1 U	1 U	NA	NA
meta and or para-Xylene	5	10 U	4.9 JB	50 U	1.5 B	1.6 B	10 U	10 U
Naphthalene	10	10 U	**98**	NA	1 U	1 U	NA	NA
Methylene Chloride	5	10 U	NA	50 U	NA	NA	10 U	10 U
ortho-Xylene	5	10 U	0.8 J	50 U	0.8 J	0.7 J	10 U	10 U
p-Isopropyltoulene	5	10 U	**16 JB**	NA	1 U	1 U	NA	NA
Propylbenzene	5	10 U	**30 B**	NA	1 U	1 U	NA	NA
sec-Butylbenzene	5	10 U	**18 J**	NA	1 U	0.8 J	NA	NA
Styrene	5	NA	20 U	50 U	1 U	1 U	10 U	10 U
Tetrachloroethene	5	10 U	20 U	50 U	1 U	1 U	10 U	10 U
Toluene	5	10 U	2.2 J	50 U	1 U	1 U	10 U	10 U
trans-1,2-Dichloroethene	5	10 U	20 U	50 U	1 U	1 U	10 U	10 U
Trichlorofluoromethane	5	10 U	20 U	NA	1 U	1 U	NA	NA
Trichloroethene	5	10 U	20 U	50 U	1 U	1 U	10 U	10 U
Vinyl Chloride	2	10 U	NA	50 U	NA	NA	10 U	10 U
Xylenes (total)	5	10 U	NA	50 U	NA	NA	10 U	10 U

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 16.

Groundwater Samples
Table 3a - Summary of Volatile Organic Compound (VOC) Results (EPA Method 8260)

Analyte		**Sample Collection Designation & Collection Date**						
Source:	NYSDEC	2	4	2	2	4	5	5
Sample ID:	TOGS 1.1.1	MW-7	MW-8	MW-8	MW-11	MW-12	MW-12	MW-12
Sample Date:	Class GA	12/1/1999	5/5/1994	12/6/1999	11/29/99	5/5/1994	8/0/1995	12/0/96
1,1,1-Trichloroethane	5	NA	NA	NA	NA	**24**	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	10 U	NA	10 U	10 U	**61**	NA	NA
1,1-Dichloroethene	5	10 U	NA	10 U	10 U	NA	NA	NA
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	NA	3.08	U
1,3,5-Trimethylbenzene	5	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethene (total)	5	10 U	NA	10 U	10 U	NA	NA	NA
2-Butanone	50	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50	10 U	NA	10 U	10 U	NA	NA	NA
Acetone	50	4.1 JN	NA	10 U	10 U	NA	NA	NA
Benzene	1	10 U	NA	10 U	10 U	NA	NA	NA
Bromodichloromethane	50	NA	NA	NA	NA	NA	NA	NA
Butylbenzene	5	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	10 U	NA	10 U	10 U	NA	NA	NA
Chloromethane	5	10 U	NA	10 U	10 U	NA	NA	NA
cis-1,2-Dichloroethene	5	10 U	NA	1.7 J	10 U	NA	NA	NA
Dibromochloromethane	50	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5	10 U	NA	10 U	10 U	**72**	**57.7**	**56.2**
Inert-Butylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	5	NA	NA	NA	NA	NA	NA	NA
meta and or para-Xylene	5	10 U	NA	10 U	10 U	NA	**87.7**	**240**
Naphthalene	10	NA	NA	NA	NA	NA	10 U	6.44
Methylene Chloride	5	10 U	NA	10 U	10 U	NA	NA	NA
ortho-Xylene	5	10 U	NA	10 U	10 U	NA	**5.63**	**71.6**
p-Isopropyltoulene	5	NA	NA	NA	NA	NA	NA	NA
Propylbenzene	5	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	5	NA	NA	NA	NA	NA	NA	NA
Styrene	5	10 U	NA	10 U	10 U	NA	NA	NA
Tetrachloroethene	5	10 U	NA	10 U	10 U	NA	NA	NA
Toluene	5	10 U	NA	10 U	10 U	NA	NA	NA
trans-1,2-Dichloroethene	5	10 U	NA	10 U	10 U	NA	NA	NA
Trichlorofluoromethane	5	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5	10 U	2.5	10 U	10 U	NA	NA	NA
Vinyl Chloride	2	10 U	NA	10 U	10 U	NA	NA	NA
Xylenes (total)	5	10 U	2 U	10 U	10 U	NA	NA	NA

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 16.

Groundwater Samples
Table 3a - Summary of Volatile Organic Compound (VOC) Results (EPA Method 8260)

Analyte		Sample Collection Designation & Collection Date						
Source:	NYSDEC	5	2	2	2	2	2	2
Sample ID:	TOGS 1.1.1	MW-12	MW-12	MW-12D	MW-13	MW-14	MW-15	MW-16
Sample Date:	Class GA	6/0/97	12/1/99	1/12/00	12/1/99	12/1/99	12/8/99	12/1/99
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	**19**	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	5	NA	10 U	10 U	10 U	10 U	10 U	10 U
1,2,4-Trimethylbenzene	5	10 U	10 U	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	5	NA	10 U	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	10 U	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	10 U	NA	NA	NA	NA	NA
1,2-Dichloroethene (total)	5	NA	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	50	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50	NA	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	50	NA	4.3 JN	3.1 J	3.3 JN	4.9 JN	10 U	6.3 JN
Benzene	1	NA	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	50	NA	10 U	NA	NA	NA	NA	NA
Butylbenzene	5	NA	10 U	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	10 U	NA	NA	NA	NA	NA
Chloroform	7	NA	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane	5	NA	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	5	NA	1 J	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	50	NA	10 U	NA	NA	NA	NA	NA
Ethylbenzene	5	**80.4**	**57**	10 U	10 U	10 U	10 U	10 U
Inert-Butylbenzene	ns	NA	10 U	NA	NA	NA	NA	NA
Isopropylbenzene	5	NA	10 U	NA	NA	NA	NA	NA
meta and or para-Xylene	5	**335**	**94**	10 U	10 U	4.7 J	1.2 J	10 U
Naphthalene	10	10 U	10 U	NA	NA	NA	NA	NA
Methylene Chloride	5	NA	10 U	10 U	10 U	10 U	10 U	10 U
ortho-Xylene	5	**88.9**	3.1 J	10 U	10 U	10 U	1.7 J	10 U
p-Isopropyltoulene	5	NA	10 U	NA	NA	NA	NA	NA
Propylbenzene	5	NA	10 U	NA	NA	NA	NA	NA
sec-Butylbenzene	5	NA	10 U	NA	NA	NA	NA	NA
Styrene	5	NA	10 U	10 U	10 U	**8.4 J**	10 U	10 U
Tetrachloroethene	5	NA	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	5	NA	10 U	10 U	10 U	10 U	1.4 J	10 U
trans-1,2-Dichloroethene	5	NA	10 U	10 U	10 U	10 U	10 U	10 U
Trichlorofluoromethane	5	NA	10 U	NA	NA	NA	NA	NA
Trichloroethene	5	NA	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	2	NA	10 U	10 U	10 U	10 U	10 U	10 U
Xylenes (total)	5	NA	**97**	10 U	10 U	4.7	2.9	10 U

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 16.

Groundwater Samples
Table 3a - Summary of Volatile Organic Compound (VOC) Results (EPA Method 8260)

Analyte		Sample Collection Designation & Collection Date						
Source:	NYSDEC	2	2	1	2	2	1	1
Sample ID:	TOGS 1.1.1	MW-17	MW-18	MW-18	MW-19	MW-19 DUP	MW-19	MW-19
Sample Date:	Class GA	12/10/99	12/9/99	12/08/00	12/10/99	12/10/99	12/8/00	5/30/01
1,1,1-Trichloroethane	5	NA	NA	10 U	NA	NA	10 U	1 U
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	10 U	1.4 J	1.9 J	10 U	10 U	10 U	1 U
1,1-Dichloroethene	5	10 U	10 U	10 UJ	10 U	10 U	10 UJ	1 U
1,2,4-Trimethylbenzene	5	NA	10 U	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	5	NA	10 U	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	10 U	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	10 U	NA	NA	NA	NA	NA
1,2-Dichloroethene (total)	5	1.8 JN	10 U	10 U	10 U	10 U	**310**	**160 D**
2-Butanone	50	NA	NA	10 U	NA	NA	10 U	20 U
2-Hexanone	50	10 U	10 U	NA	10 U	10 U	NA	NA
Acetone	50	5.6 JN	10 U	10 U	5.1 JN	4.1 JN	10 UJ	20 U
Benzene	1	10 U	10 U	NA	10 U	10 U	NA	NA
Bromodichloromethane	50	NA	10 U	NA	NA	NA	NA	NA
Butylbenzene	5	NA	10 U	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	10 U	NA	NA	NA	NA	NA
Chloroform	7	10 U	10 U	NA	10 U	10 U	NA	NA
Chloromethane	5	10 U	10 U	10 U	10 U	10 U	10 U	1 U
cis-1,2-Dichloroethene	5	10 U	10 U	10 U	**110**	**110**	**300 D**	NA
Dibromochloromethane	50	NA	10 U	NA	NA	NA	NA	NA
Ethylbenzene	5	10 U	10 U	NA	10 U	10 U	NA	NA
Inert-Butylbenzene	ns	NA	10 U	NA	NA	NA	NA	NA
Isopropylbenzene	5	NA	10 U	NA	NA	NA	NA	NA
meta and or para-Xylene	5	10 U	10 U	10 U	10 U	10 U	10 U	NA
Naphthalene	10	NA	10 U	NA	NA	NA	NA	NA
Methylene Chloride	5	10 U	10 U	10 U	10 U	10 U	10 U	1 U
ortho-Xylene	5	10 U	10 U	10 U	10 U	10 U	10 U	NA
p-Isopropyltoulene	5	NA	10 U	NA	NA	NA	NA	NA
Propylbenzene	5	NA	10 U	NA	NA	NA	NA	NA
sec-Butylbenzene	5	NA	10 U	NA	NA	NA	NA	NA
Styrene	5	10 U	10 U	NA	10 U	10 U	NA	NA
Tetrachloroethene	5	10 U	10 U	10 U	**64**	**70**	**200 D**	**220 D**
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	1 U
trans-1,2-Dichloroethene	5	10 U	10 U	10 U	2.2 U	1.8 JN	**7.8 J**	NA
Trichlorofluoromethane	5	NA	10 U	NA	NA	NA	NA	NA
Trichloroethene	5	10 U	10 U	10 U	**7 J**	**6.9 JN**	**32**	**47 D**
Vinyl Chloride	2	10 U	10 U	10 U	**170**	**150**	**64**	**5.7**
Xylenes (total)	5	10 U	10 U	10 U	10 U	10 U	100 U	2 U

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See notes on page 16.

Groundwater Samples
Table 3a - Summary of Volatile Organic Compound (VOC) Results (EPA Method 8260)

Analyte		Sample Collection Designation & Collection Date						
Source:	NYSDEC	2	1	2	2	2	3	2
Sample ID:	TOGS 1.1.1	MW-20	MW-20	MW-21	MW-22	MW-23	MW-24	MW-24
Sample Date:	Class GA	12/10/99	12/8/00	12/10/99	12/10/99	12/10/99	9/2/1992	12/9/99
1,1,1-Trichloroethane	5	NA	10 U	NA	NA	NA	**7.9 J**	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	25 U	NA
1,1-Dichloroethane	5	10 U	10 U	10 U	10 U	10 U	NA	10 U
1,1-Dichloroethene	5	10 U	10 UJ	10 U	10 U	10 U	**5.8 J**	10 U
1,2,4-Trimethylbenzene	5	NA	10 U	NA	NA	NA	**130**	NA
1,3,5-Trimethylbenzene	5	NA	10 U	NA	NA	NA	25 U	NA
1,3-Dichlorobenzene	3	NA	10 U	NA	NA	NA	**13 J**	NA
1,4-Dichlorobenzene	3	NA	10 U	NA	NA	NA	**8.1 J**	NA
1,2-Dichloroethene (total)	5	10 U	10 U	2.6 JN	10 U	10 U	NA	10 U
2-Butanone	50	NA	10 U	NA	NA	NA	NA	NA
2-Hexanone	50	10 U	NA	10 U	10 U	10 U	NA	10 U
Acetone	50	10 U	10 UJ	26	3 JN	4.3 JN	NA	10 U
Benzene	1	10 U	NA	10 U	10 U	10 U	**40**	10 U
Bromodichloromethane	50	NA	10 U	NA	NA	NA	25 U	NA
Butylbenzene	5	NA	10 U	NA	NA	NA	**29**	NA
Chlorobenzene	5	NA	10 U	NA	NA	NA	**7.4 J**	NA
Chloroform	7	10 U	NA	10 U	10 U	10 U	4.7 J	10 U
Chloromethane	5	10 U	10 U	10 U	10 U	10 U	25 U	10 U
cis-1,2-Dichloroethene	5	10 U	10 U	10 U	10 U	10 U	NA	10 U
Dibromochloromethane	50	NA	10 U	NA	NA	NA	25 U	NA
Ethylbenzene	5	10 U	NA	10 U	10 U	10 U	**15 J**	10 U
Inert-Butylbenzene	ns	NA	10 U	NA	NA	NA	25 U	NA
Isopropylbenzene	5	NA	10 U	NA	NA	NA	**25**	NA
meta and or para-Xylene	5	10 U	10 U	10 U	10 U	10 U	**20 JB**	10 U
Naphthalene	10	NA	10 U	NA	NA	NA	**280**	NA
Methylene Chloride	5	10 U	10 U	10 U	10 U	10 U	NA	10 U
ortho-Xylene	5	10 U	10 U	10 U	10 U	10 U	**8 J**	10 U
p-Isopropyltoulene	5	NA	10 U	NA	NA	NA	**23 JB**	NA
Propylbenzene	5	NA	10 U	NA	NA	NA	**35**	NA
sec-Butylbenzene	5	NA	10 U	NA	NA	NA	**23 J**	NA
Styrene	5	10 U	NA	10 U	10 U	10 U	**7.6 J**	10 U
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	**10 J**	10 U
Toluene	5	10 U	10 U	10 U	10 U	10 U	**10 J**	10 U
trans-1,2-Dichloroethene	5	10 U	10 U	10 U	10 U	10 U	4 J	10 U
Trichlorofluoromethane	5	NA	10 U	NA	NA	NA	**24 J**	NA
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	**18 J**	10 U
Vinyl Chloride	2	10 U	10 U	10 U	10 U	10 U	NA	10 U
Xylenes (total)	5	10 U	10 U	10 U	10 U	10 U	NA	10 U

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Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 16.

Groundwater Samples
Table 3a - Summary of Volatile Organic Compound (VOC) Results (EPA Method 8260)

Analyte		Sample Collection Designation & Collection Date						
Source:	NYSDEC	2	2	2	2	2	2	2
Sample ID:	TOGS 1.1.1	MW-25	MW-26	MW-27	MW-28	MW-29	MW-30	MW-30 DUP
Sample Date:	Class GA	12/9/99	12/9/99	12/10/99	12/10/99	12/10/99	12/10/99	12/10/99
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	10 U	10 U	R	R	R	R	10 U
1,1-Dichloroethene	5	10 U	10 U	R	R	R	R	10 U
1,2,4-Trimethylbenzene	5	NA	NA	10 U	NA	NA	NA	NA
1,3,5-Trimethylbenzene	5	NA	NA	10 U	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	10 U	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	10 U	NA	NA	NA	NA
1,2-Dichloroethene (total)	5	10 U	NA	NA	NA	NA	NA	NA
2-Butanone	50	NA	10 U	R	R	R	R	10 U
2-Hexanone	50	10 U	10 U	R	R	R	R	10 U
Acetone	50	10 U	10 U	R	R	R	R	3.2 JN
Benzene	1	10 U	10 U	R	R	R	R	10 U
Bromodichloromethane	50	NA	NA	10 U	NA	NA	NA	NA
Butylbenzene	5	NA	NA	10 U	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	10 U	NA	NA	NA	NA
Chloroform	7	10 U	10 U	R	R	R	R	10 U
Chloromethane	5	10 U	10 U	R	R	R	R	10 U
cis-1,2-Dichloroethene	5	10 U	10 U	R	R	R	R	10 U
Dibromochloromethane	50	NA	NA	10 U	NA	NA	NA	NA
Ethylbenzene	5	10 U	10 U	R	R	R	R	10 U
Inert-Butylbenzene	ns	NA	NA	10 U	NA	NA	NA	NA
Isopropylbenzene	5	NA	NA	10 U	NA	NA	NA	NA
meta and or para-Xylene	5	10 U	10 U	R	R	R	R	10 U
Naphthalene	10	NA	NA	10 U	NA	NA	NA	NA
Methylene Chloride	5	10 U	10 U	R	R	R	R	10 U
ortho-Xylene	5	10 U	10 U	R	R	R	R	10 U
p-Isopropyltoulene	5	NA	NA	10 U	NA	NA	NA	NA
Propylbenzene	5	NA	NA	10 U	NA	NA	NA	NA
sec-Butylbenzene	5	NA	NA	10 U	NA	NA	NA	NA
Styrene	5	10 U	10 U	R	R	R	R	10 U
Tetrachloroethene	5	10 U	10 U	R	R	R	R	10 U
Toluene	5	10 U	10 U	R	R	R	R	10 U
trans-1,2-Dichloroethene	5	10 U	10 U	R	R	R	R	10 U
Trichlorofluoromethane	5	NA	NA	10 U	NA	NA	NA	NA
Trichloroethene	5	10 U	10 U	R	R	R	R	10 U
Vinyl Chloride	2	10 U	10 U	R	R	R	R	10 U
Xylenes (total)	5	10 U	10 U	R	R	R	R	10 U

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See notes on page 16.

Groundwater Samples
Table 3a - Summary of Volatile Organic Compound (VOC) Results (EPA Method 8260)

Analyte		Sample Collection Designation & Collection Date						
Source:	NYSDEC	2	1	1	1	1	1	1
Sample ID:	TOGS 1.1.1	MW-31	MW-32	MW-33	MW-33 DUP	MW-34	MW-35	MW-36
Sample Date:	Class GA	12/10/99	12/6/2000	12/11/2000	12/11/2000	12/6/00	12/6/00	12/6/00
1,1,1-Trichloroethane	5	NA	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	5	10 U	10 U	**10 J**	**10 J**	10 U	10 U	10 U
1,2,4-Trimethylbenzene	5	NA	NA	10 U	NA	NA	NA	NA
1,3,5-Trimethylbenzene	5	NA	NA	10 U	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	10 U	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	10 U	NA	NA	NA	NA
1,2-Dichloroethene (total)	5	NA	10 UJ	10 U	10 U	10 UJ	10 U	10 U
2-Butanone	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	50	10 U	NA	NA	NA	NA	NA	NA
Acetone	50	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Benzene	1	10 U	NA	NA	NA	NA	NA	NA
Bromodichloromethane	50	NA	NA	10 U	NA	NA	NA	NA
Butylbenzene	5	NA	NA	10 U	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	10 U	NA	NA	NA	NA
Chloroform	7	10 U	NA	NA	NA	NA	NA	NA
Chloromethane	5	10 U	10 U	10 U	10 U	10 U	**6.9 J**	10 UJ
cis-1,2-Dichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	50	NA	NA	10 U	NA	NA	NA	NA
Ethylbenzene	5	10 U	NA	NA	NA	NA	NA	NA
Inert-Butylbenzene	ns	NA	NA	10 U	NA	NA	NA	NA
Isopropylbenzene	5	NA	NA	10 U	NA	NA	NA	NA
meta and or para-Xylene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10	NA	NA	10 U	NA	NA	NA	NA
Methylene Chloride	5	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U
ortho-Xylene	5	10 U	10 U	10 U	10 U	10 U	10 U	1.8 J
p-Isopropyltoulene	5	NA	NA	10 U	NA	NA	NA	NA
Propylbenzene	5	NA	NA	10 U	NA	NA	NA	NA
sec-Butylbenzene	5	NA	NA	10 U	NA	NA	NA	NA
Styrene	5	10 U	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,2-Dichloroethene	5	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Trichlorofluoromethane	5	NA	NA	10 U	NA	NA	NA	NA
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	2	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylenes (total)	5	10 U	10 U	10 U	10 U	10 U	10 U	1.8

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

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See notes on page 16.

Groundwater Samples
Table 3a - Summary of Volatile Organic Compound (VOC) Results (EPA Method 8260)

Analyte		Sample Collection Designation & Collection Date						
Source:	NYSDEC	1	1	1	1	1	1	1
Sample ID:	TOGS 1.1.1	MW-36A	MW-37	MW-38	MW-39	MW-40	MW-41	MW-42
Sample Date:	Class GA	12/7/00	12/6/00	12/6/00	12/7/00	12/07/00	12/7/00	12/8/00
1,1,1-Trichloroethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	5	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	5	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethene (total)	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	50	NA	NA	NA	NA	NA	NA	NA
Acetone	50	11 U	11 U	10 U	10 U	10 U	13 U	11 U
Benzene	1	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	50	NA	NA	NA	NA	NA	NA	NA
Butylbenzene	5	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	NA	NA
Chloromethane	5	3.5 J	3.5 J	10 U	10 U	10 U	2.8 J	3.4 J
cis-1,2-Dichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	50	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5	NA	NA	NA	NA	NA	NA	NA
Inert-Butylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	5	NA	NA	NA	NA	NA	NA	NA
meta and or para-Xylene	5	10 U	10 U	**10 J**	10 U	10 U	10 U	10 U
Naphthalene	10	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	5	10 UJ	10 UJ	**10 J**	10 UJ	10 UJ	10 UJ	10 U
ortho-Xylene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
p-Isopropyltoulene	5	NA	NA	NA	NA	NA	NA	NA
Propylbenzene	5	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	5	NA	NA	NA	NA	NA	NA	NA
Styrene	5	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,2-Dichloroethene	5	10 U	10 U	**10 J**	10 U	10 U	10 U	10 U
Trichlorofluoromethane	5	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	2	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylenes (total)	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 16.

Groundwater Samples
Table 3a - Summary of Volatile Organic Compound (VOC) Results (EPA Method 8260)

Analyte		**Sample Collection Designation & Collection Date**						
Source:	NYSDEC	1	1	1	1	1	1	3
Sample ID:	TOGS 1.1.1	MW-43	MW-44	MW-45	MW-46	MW-47	MW-48	TB
Sample Date:	Class GA	12/8/00	5/31/01	5/31/01	5/30/01	6/1/01	5/31/01	9/2/1992
1,1,1-Trichloroethane	5	10 U	1 U	1 U	100 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	1 U
1,1-Dichloroethane	5	10 U	1 U	1 U	100 U	1 U	1 U	NA
1,1-Dichloroethene	5	10 UJ	1 U	1 U	100 U	3.3	**6.5** 1 U	
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	NA	NA	1 U
1,3,5-Trimethylbenzene	5	NA	NA	NA	NA	NA	NA	1 U
1,3-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	1 U
1,4-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	1 U
1,2-Dichloroethene (total)	5	2.2 J	1 U	1 U	**160**	**91 D**	**1,900 D**	NA
2-Butanone	50	10 U	20 U	20 U	2,000 U	20 U	20 U	NA
2-Hexanone	50	NA	NA	NA	NA	NA	NA	NA
Acetone	50	11 U	20 U	20 U	2,000 U	20 U	20 U	NA
Benzene	1	NA	NA	NA	NA	NA	NA	1 U
Bromodichloromethane	50	NA	NA	NA	NA	NA	NA	1 U
Butylbenzene	5	NA	NA	NA	NA	NA	NA	1 U
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	1 U
Chloroform	7	NA	NA	NA	NA	NA	NA	0.1 J
Chloromethane	5	2.0 J	1 U	1 U	100 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	2.2 J	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50	NA	NA	NA	NA	NA	NA	1 U
Ethylbenzene	5	NA	NA	NA	NA	NA	NA	1 U
Inert-Butylbenzene	ns	NA	NA	NA	NA	NA	NA	1 U
Isopropylbenzene	5	NA	NA	NA	NA	NA	NA	1 U
meta and or para-Xylene	5	10 U	NA	NA	NA	NA	NA	1 U
Naphthalene	10	NA	NA	NA	NA	NA	NA	1 U
Methylene Chloride	5	10 U	1 U	0.001 U	100 U	1 U	1 U	NA
ortho-Xylene	5	10 U	NA	NA	NA	NA	NA	1 U
p-Isopropyltoulene	5	NA	NA	NA	NA	NA	NA	1 U
Propylbenzene	5	NA	NA	NA	NA	NA	NA	1 U
sec-Butylbenzene	5	NA	NA	NA	NA	NA	NA	1 U
Styrene	5	NA	NA	NA	NA	NA	NA	1 U
Tetrachloroethene	5	10 U	1 U	1 U	**9,500 D**	1 U	**24** 0.2	J
Toluene	5	**6.6 J**	1 U	1 U	100 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	10 U	NA	NA	NA	NA	NA	1 U
Trichlorofluoromethane	5	NA	NA	NA	NA	NA	NA	1 U
Trichloroethene	5	10 U	1 U	1 U	**420**	**73 D**	**81 D**	1 U
Vinyl Chloride	2	10 U	1 U	1 U	100 U	**24**	**1,100 D**	NA
Xylenes (total)	5	10 U	1 U	1 U	200 U	1 U	1 U	NA

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 16.

Groundwater Samples

Table 3a - Summary of Volatile Organic Compound (VOC) Results (EPA Method 8260)

Analyte		**Sample Collection Designation & Collection Date**						
Source:	NYSDEC	1	1	1	1	1	2	2
Sample ID:	TOGS 1.1.1	TMW-1	TMW-3	TMW-4	TMW-5	TMW-8	TMW-19A	TMW-19B
Sample Date:	Class GA	12/5/00	11/14/00	12/5/00	12/5/00	12/5/00	1/17/00	1/17/00
1,1,1-Trichloroethane	5	10 U	10 U	10 U	50 U	100 U	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	10 U	10 U	10 U	50 U	100 U	10 U	10 U
1,1-Dichloroethene	5	10 U	10 U	10 U	50 U	100 U	10 U	4.3 J
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	5	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethene (total)	5	10 U	10 U	1.2 J	50 U	100 U	NA	NA
2-Butanone	50	10 U	10 U	10 U	50 U	100 U	10 U	13 U
2-Hexanone	50	NA	NA	NA	NA	NA	10 U	10
Acetone	50	10 UJ	10 UJ	10 U	50 UJ	100 UJ	10 U	23 U
Benzene	1	NA	NA	NA	NA	NA	10 U	**1.3 UJ**
Bromodichloromethane	50	NA	NA	NA	NA	NA	NA	NA
Butylbenzene	5	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	10 U	**10**
Chloromethane	5	10 U	R	10 U	50 U	100 U	10 U	3.1 J
cis-1,2-Dichloroethene	5	10 U	10 U	1.2 J	50 U	100 U	**300**	**8,600**
Dibromochloromethane	50	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5	NA	NA	NA	NA	NA	10 U	1.9 J
Inert-Butylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	5	NA	NA	NA	NA	NA	NA	NA
meta and or para-Xylene	5	10 U	10 U	10 U	50 U	100 U	10 U	3.3 J
Naphthalene	10	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	5	10 UJ	10 U	10 U	50 UJ	100 UJ	10 U	10
ortho-Xylene	5	10 U	10 U	10 U	50 U	100 U	10 U	3.3 J
p-Isopropyltoulene	5	NA	NA	NA	NA	NA	NA	NA
Propylbenzene	5	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	5	NA	NA	NA	NA	NA	NA	NA
Styrene	5	NA	NA	NA	NA	NA	10 U	**10**
Tetrachloroethene	5	10 U	10 U	10 U	50 U	100 U	**510**	**4,700**
Toluene	5	10 U	10 U	10 U	50 U	100 U	1.1 J	**6.4 J**
trans-1,2-Dichloroethene	5	10 U	10 U	10 U	50 U	100 U	**6.1 J**	**53**
Trichlorofluoromethane	5	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5	10 U	10 U	10 U	50 U	100 U	**30**	**5,400**
Vinyl Chloride	2	10 U	10 U	10 U	50 U	100 U	**20**	**870**
Xylenes (total)	5	10 U	10 U	10 U	50 U	100 U	10 U	**6.6**

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 16.

Groundwater Samples
Table 3a - Summary of Volatile Organic Compound (VOC) Results (EPA Method 8260)

Analyte		Sample Collection Designation & Collection Date						
Source:	NYSDEC	2	1	1	1	1	1	1
Sample ID:	TOGS 1.1.1	TMW-19C	TMW-19C (DEEP)	TMW-19C (MID)	TMW-19D	TMW-19E	TMW-19F	TMW-19G
Sample Date:	Class GA	1/19/00	12/4/00	12/4/00	11/8/00	11/8/00	11/8/00	11/8/00
1,1,1-Trichloroethane	5	NA	10 U	10 U	10 U	NA	10 U	10 U
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	**7 J**	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	5	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	5	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethene (total)	5	NA	**420 D**	**350 D**	10 U	10 U	10 U	29 U
2-Butanone	50	10 U	10 U	10 U	2.2 J	10 U	10 U	1.1 J
2-Hexanone	50	10 U	NA	NA	NA	NA	NA	NA
Acetone	50	10 U	10 U	10 U	15 UJ	10 UJ	10 UJ	10 UJ
Benzene	1	10 U	NA	NA	NA	NA	NA	NA
Bromodichloromethane	50	NA	NA	NA	NA	NA	NA	NA
Butylbenzene	5	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	4.2 J	NA	NA	NA	NA	NA	NA
Chloromethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	5	**1,500**	**420 D**	**350 D**	10 U	10 U	10 U	29 U
Dibromochloromethane	50	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5	10 U	NA	NA	NA	NA	NA	NA
Inert-Butylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	5	NA	NA	NA	NA	NA	NA	NA
meta and or para-Xylene	5	1.5 J	10 U	10 U	2.1 J	10 U	10 U	10 U
Naphthalene	10	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
ortho-Xylene	5	10 U	10 U	10 U	1.3 J	10 U	10 U	10 U
p-Isopropyltoulene	5	NA	NA	NA	NA	NA	NA	NA
Propylbenzene	5	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	5	NA	NA	NA	NA	NA	NA	NA
Styrene	5	10 U	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5	**37,000**	**3,400 D**	**1,700 D**	10 U	10 U	10 U	**210 D**
Toluene	5	1.2 J	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,2-Dichloroethene	5	**6.6 J**	3.3 J	3.8 J	10 U	10 U	10 U	10 U
Trichlorofluoromethane	5	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5	**1,000**	**660 D**	**140 D**	10 U	10 U	10 U	19 U
Vinyl Chloride	2	**7.4 J**	**50**	**18**	10 U	10 U	10 U	**3.7 J**
Xylenes (total)	5	1.5 J	1,000 U	1,000 U	3.4	10 U	10 U	10 U

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 16.

Groundwater Samples
Table 3a - Summary of Volatile Organic Compound (VOC) Results (EPA Method 8260)

Analyte		Sample Collection Designation & Collection Date						
Source:	NYSDEC	1	1	1	1	1	1	1
Sample ID:	TOGS 1.1.1	TMW-19G (DEEP)	TMW-19G (MID)	TMW-19H	TMW-19H	TMW-19I	TMW-19J	TMW-19J DUP
Sample Date:	Class GA	12/4/00	12/4/00	11/8/00	11/8/00	11/9/00	11/15/00	11/15/00
1,1,1-Trichloroethane	5	10 U	10 U	100 U	100 U	100 U	10 U	10 U
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	10 U	10 U	100 U	100 U	100 U	10 U	10 U
1,1-Dichloroethene	5	10 UJ	10 UJ	100 U	100 U	100 U	10 U	10 U
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	5	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethene (total)	5	**66**	**340 D**	100 U	100 U	100 U	10 U	10 U
2-Butanone	50	10 U	10 U	100 U	100 U	11 J	10 U	10 U
2-Hexanone	50	NA	NA	NA	NA	NA	NA	NA
Acetone	50	10 U	10 UJ	100 UJ	19 J	100 UJ	10 U	10 U
Benzene	1	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	50	NA	NA	NA	NA	NA	NA	NA
Butylbenzene	5	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	NA	NA
Chloromethane	5	10 U	10 U	100 U	100 U	100 U	R	R
cis-1,2-Dichloroethene	5	**66**	**330 D**	100 U	100 U	100 U	10 U	10 U
Dibromochloromethane	50	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5	NA	NA	NA	NA	NA	NA	NA
Inert-Butylbenzene	ns	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	5	NA	NA	NA	NA	NA	NA	NA
meta and or para-Xylene	5	10 U	10 U	100 U	100 U	100 U	10 U	10 U
Naphthalene	10	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	5	10 U	10 U	100 U	100 U	100 U	10 U	10 U
ortho-Xylene	5	10 U	10 U	100 U	100 U	100 U	10 U	10 U
p-Isopropyltoulene	5	NA	NA	NA	NA	NA	NA	NA
Propylbenzene	5	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	5	NA	NA	NA	NA	NA	NA	NA
Styrene	5	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5	**28**	**9.3 J**	100 U	100 U	100 U	10 U	10 U
Toluene	5	10 U	10 U	100 U	100 U	100 U	10 U	10 U
trans-1,2-Dichloroethene	5	10 U	**6.3 J**	100 U	100 U	100 U	10 U	10 U
Trichlorofluoromethane	5	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5	**74**	**9.3 J**	100 U	100 U	100 U	10 U	10 U
Vinyl Chloride	2	**14**	**24**	100 U	100 U	100 U	10 U	10 U
Xylenes (total)	5	10 U	100 U	100 U	100 U	100 U	10 U	10 U

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 16.

Groundwater Samples
Table 3a - Summary of Volatile Organic Compound (VOC) Results (EPA Method 8260)

Analyte		Sample Collection Designation & Collection Date				
Source:	NYSDEC	1	1	1	1	1
Sample ID:	TOGS 1.1.1	TMW-19K	TMW-19K (DEEP)	TMW-19K (MID)	TMW-19L	TMW-19M
Sample Date:	Class GA	11/15/00	12/4/00	12/4/00	11/15/00	11/15/00
1,1,1-Trichloroethane	5	2.2 J	10 U	10 U	10 U	50 U
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	1.0 J	10 U	10 U	1.2 U	50 U
1,1-Dichloroethene	5	10 U	10 UJ	10 UJ	**10 J**	50 U
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	5	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	NA	NA
1,2-Dichloroethene (total)	5	10 U	300 D	10 U	10 U	50 U
2-Butanone	50	10 U	10 U	10 U	10 U	50 U
2-Hexanone	50	NA	NA	NA	NA	NA
Acetone	50	10 UJ	10 U	10 U	10 U	50 U
Benzene	1	NA	NA	NA	NA	NA
Bromodichloromethane	50	NA	NA	NA	NA	NA
Butylbenzene	5	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA
Chloromethane	5	R	10 U	10 U	R	R
cis-1,2-Dichloroethene	5	10 U	**300 D**	10 U	10 U	50 U
Dibromochloromethane	50	NA	NA	NA	NA	NA
Ethylbenzene	5	NA	NA	NA	NA	NA
Inert-Butylbenzene	ns	NA	NA	NA	NA	NA
Isopropylbenzene	5	NA	NA	NA	NA	NA
meta and or para-Xylene	5	10 U	10 U	10 U	10 U	50 U
Naphthalene	10	NA	NA	NA	NA	NA
Methylene Chloride	5	10 U	10 U	10 U	10 U	50 U
ortho-Xylene	5	10 U	10 U	10 U	10 U	50 U
p-Isopropyltoulene	5	NA	NA	NA	NA	NA
Propylbenzene	5	NA	NA	NA	NA	NA
sec-Butylbenzene	5	NA	NA	NA	NA	NA
Styrene	5	NA	NA	NA	NA	NA
Tetrachloroethene	5	10 U	2.7 J	1.2 J	10 U	50 U
Toluene	5	10 U	10 U	10 U	10 U	50 U
trans-1,2-Dichloroethene	5	10 U	2.4 J	10 U	10 U	50 U
Trichlorofluoromethane	5	NA	NA	NA	NA	NA
Trichloroethene	5	10 U	**68**	10 U	10 U	50 U
Vinyl Chloride	2	10 U	**11**	10 U	10 U	50 U
Xylenes (total)	5	10 U	10 U	10 U	10 U	50 U

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 16.

Notes:

All groundwater samples collected using low-flow purging/sampling, except those collected at the DP-BG1 location. During drilling at this location, a groundwater sample was collected on 5/31/01 using a Hydropunch® (20-20.3 feet below the ground surface [BGS]). After a temporary well was installed at the DP-BG1 location, another groundwater sample was collected on 6/5/01 using a disposable bailer (10.7-15.7 feet BGS).

NA = Sample was not analyzed for this constituent.

J = The compound or analyte was positively identified, but the associated numerical value is an estimated concentration. This qualifier is used when the data evaluation procedure identifies a deficiency in the data generation process. This qualifier is also used when a compound or analyte is detected at estimated concentrations less than the practical quantitation limit (PQL).

R = Indicates that the previously reported detection limit or sample result has been rejected due to a significant deficiency in the data generation process. The data should not be used for any qualitative or quantitative purposes.

D = Identifies all compounds analyzed at a secondary dilution.

E = Identifies compounds whose concentration exceeds the calibration range of the instruments.

ns = No standard. Value is not available in TOGS.

N = This qualifier indicates that the compound was analyzed for but not requested as an analyte. Value will not be listed on tabular result sheet.

B - Indicates an estimated value between the instrument detection limit and the CLP-required detection limit.

Groundwater Samples
Table 3b - Summary of Semivolatile Organic Compound (SVOC) Results (EPA Method 8270)

Analyte		Sample Collection Designation & Collection Date						
Source:	NYS DEC	5	2	5	2	1	1	4
Sample ID:	TOGS 1.1.1	EVIMW-1	EVIMW-1	EVIMW-2	EVIMW-2	EVIMW-2	EVIMW-2	EVIMW-3
Sample Date:	Class GA	6/5/1997	12/8/99	7/24/96	12/8/99	12/11/00	5/30/01	6/5/97
1,2,4-Trichlorobenzene	5	NA	1.4 J	NA	9.3 U	NA	NA	NA
1,3,5-Trimethylbenzene	5	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	ns	NA	4.4 J	NA	1.5 J	1.4 J	10 U	NA
4-Bromophenyl phenyl ether	ns	NA	NA	NA	NA	9.3 U	10 U	NA
4-Isopropyltoulene	5	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	1	NA	9.3 U	NA	9.3 U	NA	NA	NA
Acenaphthene	0.02	NA	9.3 U	NA	9.3 U	9.3 U	10 U	NA
Acenaphthylene	0.02	NA	**2.1 JN**	NA	9.3 U	NA	NA	NA
Anthracene	0.05	NA	**1.3 J**	NA	9.3 U	9.3 U	10 U	NA
Benzo(a)anthracene	0.002	NA	9.3 U	**25**	9.3 U	**1 J**	10 U	NA
Benzo(a)pyrene	MDL	NA	9.3 U	24	9.3 U	1.2 J	10 U	NA
Benzo(b)fluoranthene	0.002	NA	9.3 U	**47**	9.3 U	**2.2 J**	10 U	NA
Benzo(g,h,i)perylene	ns	NA	9.3 U	13	9.3 U	NA	NA	NA
Benzo(k)fluoranthene	0.002	NA	9.3 U	**16**	9.3 U	**1.1 J**	10 U	NA
bis(2-Ethylhexyl)phthalate	5	**110**	9.3 U	NA	9.3 U	1.8 J	10 U	**51**
Carbazole	ns	NA	NA	NA	NA	9.3 U	NA	NA
Chrysene	0.002	NA	9.3 U	**36**	9.3 U	**1.2 J**	10 U	NA
Dibenzo(a,h)anthracene	50	NA	9.3 U	NA	9.3 U	NA	NA	NA
Dibenzofuran	5	NA	9.3 U	NA	9.3 U	9.3 U	10 U	NA
Diethylphthalate	50	NA	9.3 U	NA	9.3 U	9.3 U	10 U	NA
Di-n-butylphthalate	50	NA	NA	NA	NA	9.3 U	10 U	NA
Fluoranthene	50	NA	9.3 U	NA	9.3 U	1.5 J	10 U	18
Fluorene	50	NA	2.5 J	NA	9.3 U	9.3 U	10 U	NA
Indeno(1,2,3-cd)pyrene	0.002	NA	9.3 U	**13**	9.3 U	NA	NA	NA
Isopropylbenzene	5	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	NA	3.2 J	NA	9.3 U	9.3 U	10 U	NA
n-Butylbenzene	5	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	5	NA	NA	NA	NA	NA	NA	NA
N-nitroso-di-phenylamine	50	NA	NA	NA	NA	9.3 U	10 U	NA
N-Nitroso-di-n-propylamine	ns	NA	9.3 U	NA	9.3 U	NA	NA	NA
Phenanthrene	50	NA	5.5 J	NA	1.6 J	1.2 J	10 U	NA
Phenol	1	NA	9.3 U	NA	9.3 U	NA	NA	NA
Pyrene	50	NA	1.2 J	NA	9.3 U	1.4 J	10 U	13
sec-Butylbenzene	5	NA	NA	NA	NA	NA	NA	NA
tert-Buytlbenzene	5	NA	NA	NA	NA	NA	NA	NA

All results reported in micrograms per Liter (ug\L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 13.

Groundwater Samples
Table 3b - Summary of Semivolatile Organic Compound (SVOC) Results (EPA Method 8270)

Analyte		**Sample Collection Designation & Collection Date**						
Source:	NYS DEC	5	5	2	2	4	4	2
Sample ID:	TOGS 1.1.1	EVIMW-5	EVIMW-6	EVIMW-6	EVIMW-8	MW-1	MW-2	MW-2
Sample Date:	Class GA	6/5/97	6/5/97	12/8/99	12/8/99	5/5/94	5/5/94	11/29/99
1,2,4-Trichlorobenzene	5	NA	NA	9.3 U	9.3 U	**2,990**	20 U	98 U
1,3,5-Trimethylbenzene	5	NA	NA	NA	NA	2,000 U	2,000 U	NA
2-Methylnaphthalene	ns	NA	NA	2.6 J	1.5 J	1,000 U	1,000 U	98 U
4-Bromophenyl phenyl ether	ns	NA	NA	NA	NA	NA	NA	NA
4-Isopropyltoulene	5	NA	NA	NA	NA	**3,550**	20 U	NA
4-Methylphenol	1	NA	NA	9.3 U	9.3 U	NA	NA	98 U
Acenaphthene	0.02	NA	NA	**1.6 JN**	**0.93 JN**	**310**	**120**	98 U
Acenaphthylene	0.02	NA	NA	9.3 U	9.3 U	NA	NA	98 U
Anthracene	0.05	NA	NA	**1.8 JN**	9.3 U	**290**	10 U	98 U
Benzo(a)anthracene	0.002	NA	NA	**2 J**	9.3 U	NA	NA	98 U
Benzo(a)pyrene	MDL	NA	NA	1.8 J	9.3 UJ	NA	NA	98 U
Benzo(b)fluoranthene	0.002	NA	NA	**2.5 J**	9.3 UJ	NA	NA	98 U
Benzo(g,h,i)perylene	ns	NA	NA	9.3 U	9.3 UJ	NA	NA	98 U
Benzo(k)fluoranthene	0.002	NA	NA	**1.1 JN**	9.3 UJ	NA	NA	98 U
bis(2-Ethylhexyl)phthalate	5	**32**	**32**	9.3 U	9.3 U	**430 B**	**16 B**	**20 J**
Carbazole	ns	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.002	NA	NA	**3.1 J**	9.3 U	NA	NA	98 U
Dibenzo(a,h)anthracene	50	NA	NA	9.3 U	9.3 UJ	NA	NA	98 U
Dibenzofuran	5	NA	NA	9.3 U	9.3 U	10 U	10 U	98 U
Diethylphthalate	50	NA	NA	9.3 U	9.3 U	NA	NA	98 U
Di-n-butylphthalate	50	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	50	NA	NA	3 9.3	U	**190**	10 U	98 U
Fluorene	50	NA	NA	3.5 1.9	J	100 U	26	**72 J**
Indeno(1,2,3-cd)pyrene	0.002	NA	NA	9.3 U	9.3 UJ	NA	NA	98 U
Isopropylbenzene	5	NA	NA	NA	NA	2,000 U	4.1	NA
Naphthalene	10	NA	NA	3.4 2	J	**7,620**	5.3	98 U
n-Butylbenzene	5	NA	NA	NA	NA	**2,430**	2 U	NA
n-Propylbenzene	5	NA	NA	NA	NA	2,000 U	2 U	NA
N-nitroso-di-phenylamine	50	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	ns	NA	NA	9.3 U	9.3 U	NA	NA	98 U
Phenanthrene	50	NA	16	3.8 JN	9.3 U	**2,600**	29	31 J
Phenol	1	NA	NA	9.3 U	9.3 U	NA	NA	98 U
Pyrene	50	NA	11	5.9 J	9.3 U	**360**	10 U	13 J
sec-Butylbenzene	5	NA	NA	NA	NA	**3,470**	2.3	NA
tert-Buytlbenzene	5	NA	NA	NA	NA	2,000 U	2 U	NA

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See notes on page 13.

Groundwater Samples
Table 3b - Summary of Semivolatile Organic Compound (SVOC) Results (EPA Method 8270)

Analyte		**Sample Collection Designation & Collection Date**						
Source:	NYS DEC	4	2	1	4	2	1	1
Sample ID:	TOGS 1.1.1	MW-3	MW-3	MW-3	MW-4	MW-4	MW-4	MW-4
Sample Date:	Class GA	5/5/1994	11/29/99	12/11/00	5/5/94	12/8/99	12/11/00	6/1/01
1,2,4-Trichlorobenzene	5	**6.3**	100 U	NA	**502**	46 U	NA	NA
1,3,5-Trimethylbenzene	5	**13**	NA	NA	**1,540**	NA	NA	NA
2-Methylnaphthalene	ns	10 U	100 U	9.6 U	3,900	710 250	D	10 U
4-Bromophenyl phenyl ether	ns	NA	NA	9.6 U	NA	NA	9.4 U	10 U
4-Isopropyltoulene	5	2 U	NA	NA	**2,490**	NA	NA	NA
4-Methylphenol	1	NA	100 U	NA	NA	46 U	NA	NA
Acenaphthene	0.02	**56**	100 UJ	**8 J**	**2,100**	**81 JN**	**21**	**8.5 J**
Acenaphthylene	0.02	NA	100 U	NA	NA	46 U	NA	NA
Anthracene	0.05	**22**	100 U	**1.5 J**	500 U	**60 JN**	9.4 U	10 U
Benzo(a)anthracene	0.002	NA	100 U	9.6 U	NA	46 U	9.4 U	10 U
Benzo(a)pyrene	MDL	NA	100 U	9.6 U	NA	46 U	9.4 U	10 U
Benzo(b)fluoranthene	0.002	NA	100 U	9.6 U	NA	46 U	9.4 U	10 U
Benzo(g,h,i)perylene	ns	NA	100 U	NA	NA	46 U	NA	NA
Benzo(k)fluoranthene	0.002	NA	100 U	9.6 U	NA	46 U	9.4 U	10 U
bis(2-Ethylhexyl)phthalate	5	**170 B**	**99 J**	**6.9 J**	500 U	**63**	9.4 U	**7 J**
Carbazole	ns	NA	NA	9.6 U	NA	NA	9.4 U	NA
Chrysene	0.002	NA	100 U	9.6 U	NA	46 U	9.4 U	10 U
Dibenzo(a,h)anthracene	50	NA	100 U	NA	NA	46 U	NA	NA
Dibenzofuran	5	**37**	100 U	9.6 U	**1,100**	46 U	9.4 U	**7 J**
Diethylphthalate	50	NA	100 U	9.6 U	NA	46 U	9.4 U	10 U
Di-n-butylphthalate	50	NA	NA	9.6 U	NA	NA	9.4 U	10 U
Fluoranthene	50	**18**	100 U	9.6 U	500 U	8.4 J	9.4 U	10 U
Fluorene	50	10 U	**55 J**	11	**2,600**	**150** 33		14
Indeno(1,2,3-cd)pyrene	0.002	NA	100 U	NA	NA	46 U	NA	NA
Isopropylbenzene	5	**21**	NA	NA	1,000 U	NA	NA	NA
Naphthalene	10	**35.3**	100 U	9.6 U	**19,200**	**47** 9.4	U	10 U
n-Butylbenzene	5	**66.9**	NA	NA	**5,100**	NA	NA	NA
n-Propylbenzene	5	**9.5**	NA	NA	1,000 U	NA	NA	NA
N-nitroso-di-phenylamine	50	NA	NA	9.6 U	NA	NA	9.4 U	10 U
N-Nitroso-di-n-propylamine	ns	NA	100 U	NA	NA	46 U	NA	NA
Phenanthrene	50	**330**	35 J	1.8 J	**6,400**	**430**	**79** 16	
Phenol	1	NA	100 U	NA	NA	46 U	NA	NA
Pyrene	50	25	100 U	9.6 U	500 U	23 J	6.2 J	10 U
sec-Butylbenzene	5	**34.9**	NA	NA	**1,680**	NA	NA	NA
tert-Buytlbenzene	5	**7.8**	NA	NA	1,000 U	NA	NA	NA

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See notes on page 13.

Groundwater Samples
Table 3b - Summary of Semivolatile Organic Compound (SVOC) Results (EPA Method 8270)

Analyte		Sample Collection Designation & Collection Date						
Source:	NYS DEC	2	4	2	4	2	4	2
Sample ID:	TOGS 1.1.1	MW-5	MW-6	MW-6	MW-7	MW-7	MW-8	MW-8
Sample Date:	Class GA	11/29/99	5/5/94	12/6/1999	05/05/94	12/1/1999	5/5/1994	12/6/1999
1,2,4-Trichlorobenzene	5	10 U	NA	13 U	NA	9.7 U	2 U	60 U
1,3,5-Trimethylbenzene	5	NA	NA	NA	NA	NA	2 U	NA
2-Methylnaphthalene	ns	10 U	10 U	13 U	10 U	9.7 U	10 U	60 U
4-Bromophenyl phenyl ether	ns	NA	NA	NA	NA	NA	NA	NA
4-Isopropyltoulene	5	NA	NA	NA	NA	NA	2 U	NA
4-Methylphenol	1	10 U	NA	13 U	NA	9.7 U	NA	60 U
Acenaphthene	0.02	10 U	10 U	13 U	10 U	9.7 U	10 U	60 U
Acenaphthylene	0.02	10 U	NA	13 U	NA	9.7 U	NA	60 U
Anthracene	0.05	10 U	10 U	13 U	10 U	9.7 U	10 U	60 U
Benzo(a)anthracene	0.002	10 U	NA	13 U	NA	9.7 U	NA	60 U
Benzo(a)pyrene	MDL	10 U	NA	13 U	NA	9.7 U	NA	8.7 J
Benzo(b)fluoranthene	0.002	10 U	NA	**1.4 JN**	NA	9.7 U	NA	**8.8 J**
Benzo(g,h,i)perylene	ns	10 U	NA	13 U	NA	9.7 U	NA	60 U
Benzo(k)fluoranthene	0.002	10 U	NA	13 U	NA	9.7 U	NA	60 U
bis(2-Ethylhexyl)phthalate	5	1 J	51 B	13 U	17 B	1.3 J	34 B	60 U
Carbazole	ns	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.002	10 U	NA	13 U	NA	9.7 U	NA	60 U
Dibenzo(a,h)anthracene	50	10 U	NA	13 U	NA	9.7 U	NA	60 U
Dibenzofuran	5	10 U	10 U	13 U	10 U	9.7 U	10 U	60 U
Diethylphthalate	50	10 U	NA	13 U	NA	9.7 U	NA	60 U
Di-n-butylphthalate	50	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	50	10 U	10 U	13 U	10 U	9.7 U	10 U	10 J
Fluorene	50	10 U	10 U	13 U	10 U	9.7 U	10 U	60 U
Indeno(1,2,3-cd)pyrene	0.002	10 U	NA	13 U	NA	9.7 U	NA	60 U
Isopropylbenzene	5	NA	NA	NA	NA	NA	2 U	NA
Naphthalene	10	10 U	10 U	13 U	10 U	9.7 U	2.1	60 U
n-Butylbenzene	5	NA	NA	NA	NA	NA	2 U	NA
n-Propylbenzene	5	NA	NA	NA	NA	NA	2 U	NA
N-nitroso-di-phenylamine	50	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	ns	10 U	NA	13 U	NA	9.7 U	NA	60 U
Phenanthrene	50	10 U	10 U	13 U	10 U	9.7 U	10 U	60 U
Phenol	1	10 U	NA	13 U	NA	9.7 U	NA	60 U
Pyrene	50	10 U	10 U	13 U	10 U	9.7 U	10 U	14 J
sec-Butylbenzene	5	NA	NA	NA	NA	NA	2 U	NA
tert-Buytlbenzene	5	NA	NA	NA	NA	NA	2 U	NA

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See notes on page 13.

Groundwater Samples
Table 3b - Summary of Semivolatile Organic Compound (SVOC) Results (EPA Method 8270)

Analyte		Sample Collection Designation & Collection Date						
Source:	NYS DEC	4	4	4	2	4	2	2
Sample ID:	TOGS 1.1.1	MW9	MW-10	MW-11	MW-11	MW-12	MW-12	MW-12D
Sample Date:	Class GA	5/5/1994	5/5/1994	5/5/1994	11/29/99	5/5/94	12/1/99	1/12/00
1,2,4-Trichlorobenzene	5	2 U	NA	2 U	9.4 U	2 U	10 U	9.5 U
1,3,5-Trimethylbenzene	5	2 U	NA	2 U	NA	2 U	NA	NA
2-Methylnaphthalene	ns	10 U	10 U	10 U	9.4 U	10 U	10 U	9.5 U
4-Bromophenyl phenyl ether	ns	NA	NA	NA	NA	NA	NA	NA
4-Isopropyltoulene	5	2 U	NA	2 U	NA	2 U	NA	NA
4-Methylphenol	1	NA	NA	NA	9.4 U	NA	**16**	9.5 U
Acenaphthene	0.02	10 U	10 U	10 U	**5 J**	10 U	**1.7 JN**	9.5 U
Acenaphthylene	0.02	NA	NA	NA	9.4 U	NA	10 U	9.5 U
Anthracene	0.05	10 U	10 U	10 U	9.4 U	10 U	10 U	9.5 U
Benzo(a)anthracene	0.002	NA	NA	NA	9.4 U	NA	10 U	**2 JN**
Benzo(a)pyrene	MDL	NA	NA	NA	9.4 U	NA	10 U	9.5 U
Benzo(b)fluoranthene	0.002	NA	NA	NA	9.4 U	NA	10 U	9.5 U
Benzo(g,h,i)perylene	ns	NA	NA	NA	9.4 U	NA	10 U	9.5 U
Benzo(k)fluoranthene	0.002	NA	NA	NA	9.4 U	NA	10 U	9.5 U
bis(2-Ethylhexyl)phthalate	5	**56 B**	**36 B**	**150 B**	1.2 J	**43 B**	1.7 J	4.6 J
Carbazole	ns	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.002	NA	NA	NA	9.4 U	NA	10 U	9.5 U
Dibenzo(a,h)anthracene	50	NA	NA	NA	9.4 U	NA	10 U	9.5 U
Dibenzofuran	5	10 U	10 U	10 U	9.4 U	10 U	1.3 JN	9.5 U
Diethylphthalate	50	NA	NA	NA	9.4 U	NA	10 U	9.5 U
Di-n-butylphthalate	50	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	50	10 U	10 U	10 U	9.4 U	10 U	10 U	1.6 JN
Fluorene	50	10 U	10 U	10 U	3.7 J	10 U	3.9 J	9.5 U
Indeno(1,2,3-cd)pyrene	0.002	NA	NA	NA	9.4 U	NA	10 U	9.5 U
Isopropylbenzene	5	2 U	NA	2 U	NA	2 U	NA	NA
Naphthalene	10	2	10 U	4.5	0.97 J	**121**	10 U	9.5 U
n-Butylbenzene	5	2 U	NA	2.4	NA	**40.1**	NA	NA
n-Propylbenzene	5	2 U	NA	2 U	NA	2 U	NA	NA
N-nitroso-di-phenylamine	50	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	ns	NA	NA	NA	9.4 U	NA	10 U	9.5 U
Phenanthrene	50	10 U	10 U	10 U	9.4 U	10 U	10 U	3.5 JN
Phenol	1	NA	NA	NA	9.4 U	NA	**3.8 J**	9.5 U
Pyrene	50	10 U	10 U	10 U	9.4 U	10 U	10 U	5.7 J
sec-Butylbenzene	5	2 U	NA	2 U	NA	2 U	NA	NA
tert-Buytlbenzene	5	2 U	NA	2 U	NA	2 U	NA	NA

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See notes on page 13.

Groundwater Samples
Table 3b - Summary of Semivolatile Organic Compound (SVOC) Results (EPA Method 8270)

Analyte		**Sample Collection Designation & Collection Date**							
Source:	NYS DEC	2	2	2	2	2	2	2	2
Sample ID:	TOGS 1.1.1	MW-13	MW-14	MW-15	MW-16	MW-16	MW-17	MW-18	MW-19
Sample Date:	Class GA	12/1/99	12/1/99	12/8/99	8/15-16/95	12/1/99	12/10/99	12/9/99	12/10/99
1,2,4-Trichlorobenzene	5	11 U	9.9 U	9.3 U	NA	9.9 U	9.3 U	9.4 U	2.1 J
1,3,5-Trimethylbenzene	5	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	ns	11 U	9.9 U	1.4 J	NA	9.9 U	1.6 J	1.2 J	9.3 U
4-Bromophenyl phenyl ether	ns	NA	NA	NA	NA	NA	NA	NA	NA
4-Isopropyltoulene	5	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	1	11 U	9.9 U	9.3 U	NA	9.9 U	9.3 U	9.4 U	9.3 U
Acenaphthene	0.02	**7.9 J**	**7.6 JN**	**2.5 J**	**28**	**9 JN**	**8.8 J**	9.4 U	9.3 U
Acenaphthylene	0.02	11 U	9.9 U	9.3 U	NA	9.9 U	9.3 U	9.4 U	9.3 U
Anthracene	0.05	**1.3 JN**	**1.8 JN**	9.3 U	NA	**2.6 JN**	**5.4 J**	9.4 U	9.3 U
Benzo(a)anthracene	0.002	11 U	9.9 U	9.3 U	NA	9.9 U	9.3 U	9.4 U	9.3 U
Benzo(a)pyrene	MDL	11 U	9.9 U	9.3 U	NA	9.9 U	9.3 U	9.4 U	9.3 U
Benzo(b)fluoranthene	0.002	11 U	9.9 U	9.3 U	NA	9.9 U	9.3 U	9.4 U	9.3 U
Benzo(g,h,i)perylene	ns	11 U	9.9 U	9.3 U	NA	9.9 U	9.3 U	9.4 U	9.3 U
Benzo(k)fluoranthene	0.002	11 U	9.9 U	9.3 U	NA	9.9 U	9.3 U	9.4 U	9.3 U
bis(2-Ethylhexyl)phthalate	5	2.3 J	1.7 J	9.3 U	**4,700**	**6 J**	93 U	9.4 U	93 U
Carbazole	ns	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.002	11 U	9.9 U	9.3 U	NA	9.9 U	9.3 U	9.4 U	9.3 U
Dibenzo(a,h)anthracene	50	11 U	9.9 U	9.3 U	NA	9.9 U	9.3 U	9.4 U	9.3 U
Dibenzofuran	5	11 U	9.9 U	2 J	NA	9.9 U	9.3 U	9.4 U	9.3 U
Diethylphthalate	50	11 U	9.9 U	9.3 U	NA	9.9 U	9.3 U	9.4 U	9.3 U
Di-n-butylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	50	11 U	9.9 U	9.3 U	NA	9.9 U	1.1 J	1.8 J	9.3 U
Fluorene	50	9.2 J	9.5 J	3.2 J	34	9.8 J	17 9.4	U	9.3 U
Indeno(1,2,3-cd)pyrene	0.002	11 U	9.9 U	9.3 U	NA	9.9 U	9.3 U	9.4 U	9.3 U
Isopropylbenzene	5	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	11 U	9.9 U	1.3 J	NA	9.9 U	1.4 J	2 J	9.3 U
n-Butylbenzene	5	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	5	NA	NA	NA	NA	NA	NA	NA	NA
N-nitroso-di-phenylamine	50	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	ns	11 U	9.9 U	9.3 U	NA	9.9 U	9.3 U	9.4 U	9.3 U
Phenanthrene	50	2.9 J	5 J	9.3 U	**55**	3 J	5.5 J	2.7 J	9.3 U
Phenol	1	11 U	9.9 U	9.3 U	NA	9.9 U	9.3 U	9.4 U	9.3 U
Pyrene	50	11 U	1.8 J	9.3 U	NA	2.4 J	9.3 U	1.7 J	9.3 U
sec-Butylbenzene	5	NA	NA	NA	NA	NA	NA	NA	NA
tert-Buytlbenzene	5	NA	NA	NA	NA	NA	NA	NA	NA

All results reported in micrograms per Liter (ug\L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 13.

Groundwater Samples
Table 3b - Summary of Semivolatile Organic Compound (SVOC) Results (EPA Method 8270)

Analyte		Sample Collection Designation & Collection Date						
Source:	NYS DEC	2	2	2	2	2	2	2
Sample ID:	TOGS 1.1.1	MW-19 DUP	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25
Sample Date:	Class GA	12/10/99	12/10/99	12/10/99	12/10/99	12/10/99	12/9/99	12/9/99
1,2,4-Trichlorobenzene	5	2.1 J	1.4 J	9.3 U	9.3 U	9.3 U	9.3 U	9.4 U
1,3,5-Trimethylbenzene	5	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	ns	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.4 U
4-Bromophenyl phenyl ether	ns	NA	NA	NA	NA	NA	NA	NA
4-Isopropyltoulene	5	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	1	9.3 U	9.3 U	9.3 U	9.3 U	**4.2 J**	9.3 U	9.4 U
Acenaphthene	0.02	9.3 U	9.3 U	9.3 U	9.3 U	**1.7 J**	9.3 U	9.4 U
Acenaphthylene	0.02	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.4 U
Anthracene	0.05	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.4 U
Benzo(a)anthracene	0.002	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	**5 J**	9.4 U
Benzo(a)pyrene	MDL	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	**6.2 J**	9.4 U
Benzo(b)fluoranthene	0.002	9.3 U	9.3 U	9.3 U	**1.2 J**	9.3 U	**13**	9.4 U
Benzo(g,h,i)perylene	ns	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	4.7 J	9.4 U
Benzo(k)fluoranthene	0.002	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	**3.4 J**	9.4 U
bis(2-Ethylhexyl)phthalate	5	93 U	93 U	93 U	93 U	93 U	9.3 U	9.4 U
Carbazole	ns	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.002	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	**7.5 J**	9.4 U
Dibenzo(a,h)anthracene	50	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	1.9 J	9.4 U
Dibenzofuran	5	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.4 U
Diethylphthalate	50	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.4 U
Di-n-butylphthalate	50	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	50	9.3 U	9.3 U	9.3 U	1.3 J	9.3 U	5.6 J	9.4 U
Fluorene	50	9.3 U	9.3 U	9.3 U	9.3 U	2 J	9.3 U	9.4 U
Indeno(1,2,3-cd)pyrene	0.002	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	**4.2 J**	9.4 U
Isopropylbenzene	5	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	9.3 U	9.3 U	1.4 J	9.3 U	1.1 J	9.3 U	9.4 U
n-Butylbenzene	5	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	5	NA	NA	NA	NA	NA	NA	NA
N-nitroso-di-phenylamine	50	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	ns	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.4 U
Phenanthrene	50	9.3 U	9.3 U	0.93 J	1.3 J	1.3 J	1.3 J	9.4 U
Phenol	1	9.3 U	9.3 U	**1.1 J**	9.3 U	9.3 U	9.3 U	9.4 U
Pyrene	50	9.3 U	9.3 U	9.3 U	1.4	9.3 U	6.8 J	9.4 U
sec-Butylbenzene	5	NA	NA	NA	NA	NA	NA	NA
tert-Buytlbenzene	5	NA	NA	NA	NA	NA	NA	NA

All results reported in micrograms per Liter (ug\L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 13.

Groundwater Samples
Table 3b - Summary of Semivolatile Organic Compound (SVOC) Results (EPA Method 8270)

Analyte		Sample Collection Designation & Collection Date						
Source:	NYS DEC	2	2	2	2	2	2	2
Sample ID:	TOGS 1.1.1	MW-26	MW-27	MW-28	MW-29	MW-30	MW-30 DUP	MW-31
Sample Date:	Class GA	12/9/99	12/10/99	12/10/99	12/10/99	12/10/99	12/10/99	12/10/99
1,2,4-Trichlorobenzene	5	11 U	9.3 U	9.6 U	9.3 U	9.3 U	9.3 U	9.3 U
1,3,5-Trimethylbenzene	5	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	ns	11 U	9.3 U	9.6 U	9.3 U	9.3 U	9.3 U	9.3 U
4-Bromophenyl phenyl ether	ns	NA	NA	NA	NA	NA	NA	NA
4-Isopropyltoulene	5	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	1	11 U	9.3 U	9.6 U	9.3 U	9.3 UJ	9.3 U	9.3 U
Acenaphthene	0.02	11 U	9.3 U	**3.5 J**	9.3 U	9.3 U	**1.3 J**	9.3 U
Acenaphthylene	0.02	11 U	9.3 U	9.6 U	9.3 U	9.3 U	9.3 U	9.3 U
Anthracene	0.05	11 U	9.3 U	9.6 U	9.3 U	**0.93 J**	**0.93 J**	9.3 U
Benzo(a)anthracene	0.002	11 U	9.3 U	9.6 U	9.3 U	9.3 U	9.3 U	9.3 U
Benzo(a)pyrene	MDL	11 U	9.3 U	9.6 U	9.3 U	9.3 U	9.3 U	9.3 U
Benzo(b)fluoranthene	0.002	11 U	9.3 U	9.6 U	9.3 U	9.3 U	9.3 U	9.3 U
Benzo(g,h,i)perylene	ns	11 U	9.3 U	9.6 U	9.3 U	9.3 U	9.3 U	9.3 U
Benzo(k)fluoranthene	0.002	11 U	9.3 U	9.6 U	9.3 U	9.3 U	9.3 U	9.3 U
bis(2-Ethylhexyl)phthalate	5	11 U	93 U	96 U	9.3 U	9.3 U	9.3 U	1.4 J
Carbazole	ns	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.002	11 U	9.3 U	9.6 U	9.3 U	9.3 U	9.3 U	9.3 U
Dibenzo(a,h)anthracene	50	11 U	9.3 U	9.6 U	9.3 U	9.3 U	9.3 U	9.3 U
Dibenzofuran	5	11 U	9.3 U	9.6 U	9.3 U	9.3 U	9.3 U	9.3 U
Diethylphthalate	50	1.1 J	9.3 U	9.6 U	9.3 U	9.3 U	9.3 U	9.3 U
Di-n-butylphthalate	50	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	50	11 U	1 J	0.99 J	9.3 U	2.6 J	1.6 J	9.3 U
Fluorene	50	11 U	9.3 U	4.9 J	9.3 U	9.3 U	9.3 U	9.3 U
Indeno(1,2,3-cd)pyrene	0.002	11 U	9.3 U	9.6 U	9.3 U	9.3 U	9.3 U	9.3 U
Isopropylbenzene	5	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	11 U	9.3 U	9.6 U	9.3 U	9.3 U	9.3 U	9.3 U
n-Butylbenzene	5	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	5	NA	NA	NA	NA	NA	NA	NA
N-nitroso-di-phenylamine	50	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	ns	11 U	9.3 U	9.6 U	9.3 U	9.3 U	9.3 U	9.3 U
Phenanthrene	50	11 U	1.3 J	1.1 J	9.3 U	2.6 J	2.2 J	9.3 U
Phenol	1	11 U	9.3 U	9.6 U	9.3 U	9.3 U	9.3 U	9.3 U
Pyrene	50	11 U	9.3 U	9.6 U	9.3 U	2.2 J	1.5 J	9.3 U
sec-Butylbenzene	5	NA	NA	NA	NA	NA	NA	NA
tert-Buytlbenzene	5	NA	NA	NA	NA	NA	NA	NA

All results reported in micrograms per Liter (ug\L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 13.

Groundwater Samples
Table 3b - Summary of Semivolatile Organic Compound (SVOC) Results (EPA Method 8270)

Analyte		Sample Collection Designation & Collection Date						
Source:	NYS DEC	1	1	1	1	1	1	1
Sample ID:	TOGS 1.1.1	MW-32	MW-33	MW-33 DUP	MW-34	MW-35	MW-36	MW-36A
Sample Date:	Class GA	12/6/00	12/11/00	12/11/00	12/6/00	12/6/00	12/6/00	12/7/00
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	5	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	ns	9.3 U	1.3 J	1 J	15 B	9.3 U	9.3 U	18 B
4-Bromophenyl phenyl ether	ns	9.3 U	10 U	9.8 U	9.3 U	9.3 U	9.3 U	9.5 U
4-Isopropyltoulene	5	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	1	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	0.02	9.3 U	10 U	9.8 U	**2.5 J**	**8.8 J**	9.3 U	**4,300 J**
Acenaphthylene	0.02	NA	NA	NA	NA	NA	NA	NA
Anthracene	0.05	9.3 U	10 U	9.8 U	9.3 U	9.3 U	9.3 U	9.5 U
Benzo(a)anthracene	0.002	9.3 U	10 U	9.8 U	9.3 U	9.3 U	9.3 U	9.5 U
Benzo(a)pyrene	MDL	9.3 U	10 U	9.8 U	9.3 U	9.3 U	9.3 U	9.5 U
Benzo(b)fluoranthene	0.002	9.3 U	10 U	9.8 U	9.3 U	9.3 U	9.3 U	9.5 U
Benzo(g,h,i)perylene	ns	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.002	9.3 U	10 U	9.8 U	9.3 U	9.3 U	9.3 U	9.5 U
bis(2-Ethylhexyl)phthalate	5	9.3 U	1.8 J	9.8 U	2.9 J	**35**	**9.5** 1.1	J
Carbazole	ns	9.3 U	10 U	9.8 U	9.3 U	9.3 U	9.3 U	9.5 U
Chrysene	0.002	9.3 U	10 U	9.8 U	9.3 U	9.3 U	9.3 U	9.5 U
Dibenzo(a,h)anthracene	50	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	5	9.3 U	10 U	9.8 U	9.3 U	9.3 U	2.3 J	2.9 J
Diethylphthalate	50	9.3 U	2.3 J	9.8 U	9.3 U	9.3 U	9.3 U	9.5 U
Di-n-butylphthalate	50	9.3 U	10 U	9.8 U	9.3 U	9.3 U	9.3 U	9.5 U
Fluoranthene	50	9.3 U	10 U	9.8 U	9.3 U	9.3 U	9.3 U	9.5 U
Fluorene	50	9.3 U	10 U	9.8 U	4.7 J	9.3 U	6.2 J	5.0 J
Indeno(1,2,3-cd)pyrene	0.002	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	5	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	9.3 U	10 U	9.8 U	9.3 U	9.3 U	9.3 U	9.5 U
n-Butylbenzene	5	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	5	NA	NA	NA	NA	NA	NA	NA
N-nitroso-di-phenylamine	50	9.3 U	10 U	9.8 U	9.3 U	9.3 U	9.3 U	9.5 U
N-Nitroso-di-n-propylamine	ns	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	50	9.3 U	10 U	9.8 U	9.3 U	20 5.7	J	9.5 U
Phenol	1	NA	NA	NA	NA	NA	NA	NA
Pyrene	50	9.3 U	10 U	9.8 U	9.3 U	4.9 J	9.3 U	9.5 U
sec-Butylbenzene	5	NA	NA	NA	NA	NA	NA	NA
tert-Buytlbenzene	5	NA	NA	NA	NA	NA	NA	NA

All results reported in micrograms per Liter (ug\L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 13.

Groundwater Samples
Table 3b - Summary of Semivolatile Organic Compound (SVOC) Results (EPA Method 8270)

Analyte		Sample Collection Designation & Collection Date						
Source:	NYS DEC	1	1	1	1	1	1	1
Sample ID:	TOGS 1.1.1	MW-37	MW-38	MW-38	MW-39	MW-40	MW-41	MW-42
Sample Date:	Class GA	12/6/00	12/6/00	12/6/00	12/7/00	12/7/00	12/7/00	12/8/00
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	5	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	ns	9.3 U	9.3 U	9.3 U	9.4 U	9.3 U	110 U	39,000
4-Bromophenyl phenyl ether	ns	9.3 U	9.3 U	9.3 U	9.4 U	9.3 U	9.3 U	9.3 U
4-Isopropyltoulene	5	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	1	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	0.02	9.3 U	9.3 U	9.3 U	9.4 U	**3.8 J**	**2.8 J**	**3.8 J**
Acenaphthylene	0.02	NA	NA	NA	NA	NA	NA	NA
Anthracene	0.05	9.3 U	9.3 U	9.3 U	9.4 U	9.3 U	9.3 U	9.3 U
Benzo(a)anthracene	0.002	9.3 U	9.3 U	9.3 U	9.4 U	9.3 UJ	9.3 UJ	9.3 U
Benzo(a)pyrene	MDL	9.3 U	9.3 U	9.3 U	9.4 U	9.3 UJ	9.3 U	9.3 U
Benzo(b)fluoranthene	0.002	9.3 U	9.3 U	9.3 U	9.4 U	9.3 UJ	9.3 UJ	9.3 U
Benzo(g,h,i)perylene	ns	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.002	9.3 U	9.3 U	9.3 U	9.4 U	9.3 UJ	9.3 UJ	9.3 U
bis(2-Ethylhexyl)phthalate	5	2.6 J	2.6 J	2.5 J	9.4 U	9.3 UJ	9.3 UJ	9.3 U
Carbazole	ns	9.3 U	9.3 U	9.3 U	9.4 U	9.3 U	9.3 U	9.3 U
Chrysene	0.002	9.3 U	9.3 U	9.3 U	9.4 U	9.3 UJ	9.3 UJ	9.3 U
Dibenzo(a,h)anthracene	50	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	5	9.3 U	9.3 U	9.3 U	9.4 U	9.3 U	9.3 U	9.3 U
Diethylphthalate	50	9.3 U	9.3 U	9.3 U	9.4 U	9.3 U	9.3 U	1.0 J
Di-n-butylphthalate	50	9.3 U	9.3 U	9.3 U	9.4 U	9.3 U	9.3 U	9.3 U
Fluoranthene	50	9.3 U	9.3 U	9.3 U	9.4 U	9.3 U	9.3 U	9.3 U
Fluorene	50	9.3 U	2.6 J	9.3 U	9.4 U	1.1 J	3.2 J	4.2 U
Indeno(1,2,3-cd)pyrene	0.002	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	5	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	9.3 U	9.3 U	9.3 U	9.4 U	9.3 U	9.3 U	9.3 U
n-Butylbenzene	5	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	5	NA	NA	NA	NA	NA	NA	NA
N-nitroso-di-phenylamine	50	9.3 U	9.3 U	9.3 U	9.4 U	9.3 U	9.3 U	9.3 U
N-Nitroso-di-n-propylamine	ns	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	50	9.3 U	1.9 J	1.7 J	9.4 U	9.3 U	2.1 J	1.3 J
Phenol	1	NA	NA	NA	NA	NA	NA	NA
Pyrene	50	9.3 U	9.3 U	9.3 U	9.4 U	9.3 U	9.3 U	9.3 U
sec-Butylbenzene	5	NA	NA	NA	NA	NA	NA	NA
tert-Buytlbenzene	5	NA	NA	NA	NA	NA	NA	NA

All results reported in micrograms per Liter (ug\L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.

See notes on page 13.

Groundwater Samples
Table 3b - Summary of Semivolatile Organic Compound (SVOC) Results (EPA Method 8270)

Analyte		**Sample Collection Designation & Collection Date**						
Source:	NYS DEC	1	1	1	1	1	1	1
Sample ID:	TOGS 1.1.1	MW-43	MW-44	MW-45	MW-45	TMW-1	TMW-3	TMW-4
Sample Date:	Class GA	12/8/00	5/31/01	5/31/01	5/31/01	12/5/00	11/14/00	12/5/00
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	5	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	ns	9.3 U	10 U	10 U	10 U	2.3 J	3.1 J	9.3 U
4-Bromophenyl phenyl ether	ns	9.3 U	10 U	10 U	10 U	9.4 U	9.3 U	9.3 U
4-Isopropyltoulene	5	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	1	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	0.02	9.3 U	10 U	**7.8 J**	**7**	**4.4 J**	9.3 U	9.3 U
Acenaphthylene	0.02	NA	NA	NA	NA	NA	NA	NA
Anthracene	0.05	9.3 U	10 U	10 U	10 U	9.4 U	9.3 U	9.3 U
Benzo(a)anthracene	0.002	9.3 U	10 U	10 U	10 U	9.4 U	**2.5 J**	9.3 U
Benzo(a)pyrene	MDL	9.3 U	10 U	10 U	10 U	9.4 U	9.3 U	9.3 U
Benzo(b)fluoranthene	0.002	9.3 U	10 U	10 U	10 U	9.4 U	9.3 U	9.3 U
Benzo(g,h,i)perylene	ns	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.002	9.3 U	10 U	10 U	10 U	9.4 U	9.3 U	9.3 U
bis(2-Ethylhexyl)phthalate	5	2.3 J	10 U	10 U	10 U	2.4 J	4.5 JB	4.5 J
Carbazole	ns	9.3 U	NA	NA	NA	9.4 U	9.3 U	9.3 U
Chrysene	0.002	9.3 U	10 U	10 U	10 U	9.4 U	**3.8 J**	9.3 U
Dibenzo(a,h)anthracene	50	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	5	9.3 U	10 U	4.4 J	4.2 J	9.4 U	9.3 U	9.3 U
Diethylphthalate	50	9.3 U	10 U	10 U	10 U	9.4 U	9.3 U	9.3 U
Di-n-butylphthalate	50	9.3 U	10 U	10 U	10 U	9.4 U	2.4 J	9.3 U
Fluoranthene	50	9.3 U	10 U	10 U	10 U	9.4 U	9.3 U	9.3 U
Fluorene	50	9.3 U	10 U	9.9 J	9.6 J	9.4 U	9.3 U	9.3 U
Indeno(1,2,3-cd)pyrene	0.002	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	5	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	9.3 U	10 U	10 U	10 U	9.4 U	2.4 J	9.3 U
n-Butylbenzene	5	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	5	NA	NA	NA	NA	NA	NA	NA
N-nitroso-di-phenylamine	50	9.3 U	10 U	10 U	10 U	2.1 J	9.3 U	9.3 U
N-Nitroso-di-n-propylamine	ns	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	50	9.3 U	10 U	5.9 J	6.6 J	2.7 J	9.3 U	9.3 U
Phenol	1	NA	NA	NA	NA	NA	NA	NA
Pyrene	50	9.3 U	10 U	10 U	10 U	9.4 U	8.7 J	9.3 U
sec-Butylbenzene	5	NA	NA	NA	NA	NA	NA	NA
tert-Buytlbenzene	5	NA	NA	NA	NA	NA	NA	NA

All results reported in micrograms per Liter (ug\L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.

See notes on page 13.

Groundwater Samples
Table 3b - Summary of Semivolatile Organic Compound (SVOC) Results (EPA Method 8270)

Analyte		Sample Collection Designation & Collection Date	
Source:	NYS DEC	1	1
Sample ID:	TOGS 1.1.1	TMW-5	TMW-8
Sample Date:	Class GA	12/5/00	12/5/00
1,2,4-Trichlorobenzene	5	NA	NA
1,3,5-Trimethylbenzene	5	NA	NA
2-Methylnaphthalene	ns	7.0 J	8,100 D
4-Bromophenyl phenyl ether	ns	9.8 U	50 U
4-Isopropyltoulene	5	NA	NA
4-Methylphenol	1	NA	NA
Acenaphthene	0.02	**12**	**190 J**
Acenaphthylene	0.02	NA	NA
Anthracene	0.05	**3.2 J**	**360**
Benzo(a)anthracene	0.002	9.8 U	50 U
Benzo(a)pyrene	MDL	9.8 U	50 U
Benzo(b)fluoranthene	0.002	9.8 U	50 U
Benzo(g,h,i)perylene	ns	NA	NA
Benzo(k)fluoranthene	0.002	9.8 U	50 U
bis(2-Ethylhexyl)phthalate	5	9.8 U	50 U
Carbazole	ns	9.8 U	50 U
Chrysene	0.002	9.8 U	50 U
Dibenzo(a,h)anthracene	50	NA	NA
Dibenzofuran	5	9.8 U	50 U
Diethylphthalate	50	9.8 U	50 U
Di-n-butylphthalate	50	2.2 J	50 U
Fluoranthene	50	2.1 J	33 J
Fluorene	50	14	**280 J**
Indeno(1,2,3-cd)pyrene	0.002	NA	NA
Isopropylbenzene	5	NA	NA
Naphthalene	10	9.8 U	50 U
n-Butylbenzene	5	NA	NA
n-Propylbenzene	5	NA	NA
N-nitroso-di-phenylamine	50	9.8 U	50 U
N-Nitroso-di-n-propylamine	ns	NA	NA
Phenanthrene	50	22	**1,300 D**
Phenol	1	NA	NA
Pyrene	50	4.0 J	**96**
sec-Butylbenzene	5	NA	NA
tert-Buytlbenzene	5	NA	NA

All results reported in micrograms per Liter (ug\L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 13.

Notes:

ns = No standard. Value is not available in TOGS.

NA = Sample was not analyzed for this constituent.

J = The compound or analyte was positively identified, but the associated numerical value is an estimated concentration. This qualifier is used when the data evaluation procedure identifies a deficiency in the data generation process. This qualifier is also used when a compound or analyte is detected at estimated concentrations less than the practical quantitation limit (PQL).
when the data evaluation procedure identifies a deficiency in the data generation process.

R = Indicates that the previously reported detection limit or sample result has been rejected due to a significant deficiency in the data generation process.
The data should not be used for any qualitative or quantitative purposes.

U = Indentifies all compounds that were not detected.

D = Indentifies all compounds analyzed at a secondary dilution.

Groundwater Samples
Table 3c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		Sample Collection Designation & Collection Date						
Source:	NYSDEC	1	1	1	2	2	2	2
Sample ID:	TOGS 1.1.1	DP-BG1	DP-BG1	DP-BG1 (filtered)	EVIMW-1	EVIMW-1 (filtered)	EVIMW-1	EVIMW-2
Sample Date:	Class GA	5/31/01	6/5/01	6/5/01	12/8/99	12/8/99	1/17/00	12/8/99
Aroclor-1242	ns	0.5 U	0.5 U	0.5 U	0.35 U	0.05 U	0.05 U	0.05 U
Aroclor-1248	ns	NA	NA	NA	0.35 U	0.05 U	0.05 U	0.05 U
Aroclor-1254	ns	0.5 U	0.5 U	0.5 U	8.8 0.05	U	0.063	1.3
Aroclor-1260	ns	0.5 U	0.5 U	0.5 U	6.1 0.05	U	0.05 U	1.1
Total PCBs	0.09	0.5 U	0.5 U	0.5 U	**15** 0.05	U	0.063	**2.4**

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 25.

Groundwater Samples
Table 3c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		Sample Collection Designation & Collection Date						
Source:	NYSDEC	2	2	1	1	1	2	2
Sample ID:	TOGS 1.1.1	EVIMW-2 (filtered)	EVIMW-2	EVIMW-2	EVIMW-2	EVIMW-2 (filtered)	EVIMW-6	EVIMW-6 (filtered)
Sample Date:	Class GA	12/8/99	1/12/00	12/11/00	5/30/01	12/11/00	12/8/1999	12/8/1999
Aroclor-1242	ns	0.05 U	0.05 U	0.5 U	0.5 U	0.05 U	0.05 U	0.05 U
Aroclor-1248	ns	0.05 U	0.05 U	NA	NA	NA	0.05 U	0.05 U
Aroclor-1254	ns	0.05 U	0.05 U	7.1	0.5 U	0.12	1.5	0.05 U
Aroclor-1260	ns	0.05 U	0.05 U	3.5	0.5 U	0.05 U	1 NA	0.05 U
Total PCBs	0.09	0.05 U	0.05 U	**10.6**	0.5 U	**0.12**	**2.5**	0.05 U

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 25.

Groundwater Samples
Table 3c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		Sample Collection Designation & Collection Date						
Source:	NYSDEC	2	5	2	2	4	2	2
Sample ID:	TOGS 1.1.1	EVIMW-6	EVIMW-8	EVIMW-8	EVIMW-8 (filtered)	MW-1	MW-2	MW-2 (filtered)
Sample Date:	Class GA	1/17/00	6/6/1997	12/8/99	12/8/99	5/5/1994	11/29/99	11/29/99
Aroclor-1242	ns	0.05 U	NA	0.05 U	0.05 U	1.3 U	0.15 U	0.05 U
Aroclor-1248	ns	0.05 U	0.082	0.05 U	0.05 U	1.3 U	0.15 U	0.05 U
Aroclor-1254	ns	0.05 U	NA	1 0.05	U	1.3 U	3.7 I	0.05 U
Aroclor-1260	ns	0.05 U	NA	0.64 0.05	U	193.5	1.4	0.05 U
Total PCBs	0.09	0.05 U	NA	**1.6**	0.05 U	**193.5**	**5.1** 0.05	U

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.

See notes on page 25.

Groundwater Samples
Table 3c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		Sample Collection Designation & Collection Date						
Source:	NYSDEC	2	2	2	2	1	1	2
Sample ID:	TOGS 1.1.1	MW-3	MW-3 (filtered)	MW-3	MW-3 DUP (filtered)	MW-3	MW-3 (filtered)	MW-4
Sample Date:	Class GA	11/29/99	11/29/99	1/20/00	11/29/99	12/11/00	12/11/00	12/8/99
Aroclor-1242	ns	0.54 U	0.05 U	0.05 U	0.05 U	0.050 U	0.5 U	0.05 U
Aroclor-1248	ns	0.54 U	0.05 U	0.05 U	0.05 U	NA	NA	0.05 U
Aroclor-1254	ns	16 I	0.05 U	0.069 I	0.05 U	0.43 0.5	U	1.5
Aroclor-1260	ns	4.4 0.05	U	0.05 U	0.05 U	0.26	0.5 U	1.1
Total PCBs	0.09	**20** 0.05	U	0.069	0.05 U	**0.66** 0.5	U	**2.6**

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 25.

Groundwater Samples
Table 3c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		**Sample Collection Designation & Collection Date**						
Source:	NYSDEC	2	1	1	1	1	2	2
Sample ID:	TOGS 1.1.1	MW-4 (filtered)	MW-4	MW-4	MW-4 (filtered)	MW-4 (filtered)	MW-4	MW-5
Sample Date:	Class GA	12/8/99	12/11/00	6/1/01	12/11/2000	6/1/2001	1/12/00	11/29/99
Aroclor-1242	ns	0.05 U	1.5 U	0.5 U	0.05 U	0.5 U	0.05 U	0.15 U
Aroclor-1248	ns	0.05 U	NA	NA	NA	NA	0.05 U	0.15 U
Aroclor-1254	ns	0.05 U	18.6 0.24	J	0.05 U	0.5 U	0.05 U	4.6 I
Aroclor-1260	ns	0.05 U	15 0.064	J	0.05 U	0.5 U	0.05 U	1.4
Total PCBs	0.09	0.05 U	**34**	**0.304** 0.05	U	0.5 U	0.05 U	**6**

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.

See notes on page 25.

Groundwater Samples
Table 3c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		Sample Collection Designation & Collection Date						
Source:	NYSDEC	2	2	2	2	2	2	2
Sample ID:	TOGS 1.1.1	MW-5 (filtered)	MW-6	MW-6 (filtered)	MW-7	MW-7 (filtered)	MW-8	MW-8 (filtered)
Sample Date:	Class GA	11/29/99	12/6/99	12/6/99	12/01/99	12/01/99	12/6/99	12/6/99
Aroclor-1242	ns	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.05 U
Aroclor-1248	ns	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.05 U
Aroclor-1254	ns	0.05 U	1.5	0.05 U	0.59	0.05 U	2 0.05	U
Aroclor-1260	ns	0.05 U	0.05	0.05 U	0.21	0.05 U	1.3	0.05 U
Total PCBs	0.09	0.05 U	**2**	0.05 U	**0.8**	0.05 U	**3.3**	0.05 U

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 25.

Groundwater Samples
Table 3c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		Sample Collection Designation & Collection Date						
Source:	NYSDEC	2	2	2	2	2	2	2
Sample ID:	TOGS 1.1.1	MW-8	MW-8 (filtered)	MW-11	MW-11 (filtered)	MW-12	MW-12 (filtered)	MW-12D
Sample Date:	Class GA	1/14/00	1/14/00	11/29/99	11/29/99	12/1/99	12/1/99	12/1/99
Aroclor-1242	ns	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.2
Aroclor-1248	ns	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.2
Aroclor-1254	ns	0.67	0.05 U	1.1 I	0.05 U	0.33	0.05 U	3.1
Aroclor-1260	ns	0.33	0.05 U	0.37 0.05	U	0.2	0.05 U	2
Total PCBs	0.09	**1**	0.05 U	**1.5** 0.05	U	**0.53**	0.05 U	**5.1**

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 25.

Groundwater Samples
Table 3c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		**Sample Collection Designation & Collection Date**						
Source:	NYSDEC	2	2	2	2	2	2	2
Sample ID:	TOGS 1.1.1	MW-12D (filtered)	MW-12D	MW-13	MW-13 (filtered)	MW-14	MW-14 (filtered)	MW-15
Sample Date:	Class GA	12/1/99	1/12/00	12/1/99	12/1/99	12/1/99	12/1/99	12/8/99
Aroclor-1242	ns	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.2 U
Aroclor-1248	ns	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.2 U
Aroclor-1254	ns	0.05 U	0.05 U	0.14 0.05	U	0.15	0.05 U	5
Aroclor-1260	ns	0.05 U	0.05 U	0.054 0.05	U	0.071	0.05 U	4.5
Total PCBs	0.09	0.05 U	0.05 U	**0.19** 0.05	U	**0.22** 0.05	U	**9.5**

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 25.

Groundwater Samples
Table 3c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		**Sample Collection Designation & Collection Date**						
Source:	NYSDEC	2	2	2	2	2	2	2
Sample ID:	TOGS 1.1.1	MW-15 (filtered)	MW-15	MW-16	MW-16 (filtered)	MW-17	MW-17 (filtered)	MW-17
Sample Date:	Class GA	12/8/99	1/14/00	12/1/99	12/1/99	12/10/99	12/10/99	1/13/00
Aroclor-1242	ns	0.05 U	0.05 U	0.05 U	0.05 U	0.4 U	0.05 U	0.05 U
Aroclor-1248	ns	0.05 U	0.05 U	0.05 U	0.05 U	0.4 U	0.05 U	0.05 U
Aroclor-1254	ns	0.05 U	0.05 U	0.38 0.05	U	11	0.05 U	1.8
Aroclor-1260	ns	0.05 U	0.05 U	0.19 0.05	U	2.1	0.05 U	0.4 J
Total PCBs	0.09	0.05 U	0.05 U	**0.57** 0.05	U	**13** 0.05	U	**2.2**

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.

See notes on page 25.

Groundwater Samples
Table 3c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		Sample Collection Designation & Collection Date						
Source:	NYSDEC	2	2	2	2	1	2	2
Sample ID:	TOGS 1.1.1	MW-17 (filtered)	MW-18	MW-18 (filtered)	MW-18	MW-18	MW-18 DUP	MW-19
Sample Date:	Class GA	1/13/00	12/9/99	12/9/99	12/8/00	1/13/00	1/13/00	12/10/99
Aroclor-1242	ns	0.05 U	0.1 U	0.05 U	0.050 U	0.053 0.05	U	0.2 U
Aroclor-1248	ns	0.05 U	0.1 U	0.05 U	NA	0.053 U	0.05 U	0.2 U
Aroclor-1254	ns	0.05 U	2.3	0.05 U	0.050 U	0.053 U	0.05 U	3.9 J
Aroclor-1260	ns	0.05 U	1	0.05 U	0.050 U	0.053 U	0.05 U	0.55 J
Total PCBs	0.09	0.05 U	**3.3**	0.05 U	0.050 U	0.053 0.05	U	**4.5**

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 25.

Groundwater Samples
Table 3c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		Sample Collection Designation & Collection Date						
Source:	NYSDEC	2	1	2	2	2	2	1
Sample ID:	TOGS 1.1.1	MW-19 (filtered)	MW-19	MW-19	MW-19 (filtered)	MW-19 DUP	MW-19 DUP (filtered)	MW-19
Sample Date:	Class GA	12/10/99	12/8/00	1/14/00	1/14/00	12/10/99	12/10/99	5/30/01
Aroclor-1242	ns	0.052 U	0.050 U	0.05 U	0.053 U	0.15 U	0.05 U	0.5 U
Aroclor-1248	ns	0.19 I	NA	0.05 U	0.062 I	0.15 U	0.05 U	NA
Aroclor-1254	ns	0.11 I	0.050 U	0.37	0.084 I	2.2 J	0.05 U	0.1 J
Aroclor-1260	ns	0.052 U	0.050 U	0.05 U	0.053 U	0.28 J	0.15 I	0.13 J
Total PCBs	0.09	**0.3**	0.050 U	**0.37**	**0.15**	**2.5**	**0.15**	**0.23**

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 25.

Groundwater Samples
Table 3c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		Sample Collection Designation & Collection Date						
Source:	NYSDEC	1	2	2	1	1	1	2
Sample ID:	TOGS 1.1.1	MW-19 (filtered)	MW-20	MW-20 (filtered)	MW-20	MW-20	MW-20 (filtered)	MW-20
Sample Date:	Class GA	5/30/01	12/10/99	12/10/99	12/8/00	5/30/01	12/8/00	1/14/00
Aroclor-1242	ns	0.5 U	0.2 U	0.05 U	0.051 U	0.5 U	0.054 U	0.05 U
Aroclor-1248	ns	NA	0.2 U	0.095 I	NA	NA	NA	0.05 U
Aroclor-1254	ns	0.5 U	4.9	0.076 I	0.56	0.5 U	0.062	0.99
Aroclor-1260	ns	0.5 U	0.7	0.05 U	0.3	0.5 U	0.054 U	0.099
Total PCBs	0.09	0.5 U	**5.6**	**0.17**	**0.86**	0.5 U	0.062	**1.1**

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.

See notes on page 25.

Groundwater Samples
Table 3c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		Sample Collection Designation & Collection Date					
Source:	NYSDEC	2	2	2	2	2	2
Sample ID:	TOGS 1.1.1	MW-20 (filtered)	MW-21 (filtered)	MW-21	MW-21	MW-22 (filtered)	MW-22
Sample Date:	Class GA	1/14/00	12/10/99	12/10/99	1/14/00	12/10/99	1/17/00
Aroclor-1242	ns	0.05 U	0.051 U	0.05 U	0.05 U	0.05 U	0.05 U
Aroclor-1248	ns	0.072 I	0.051 U	0.05 U	0.05 U	0.05 U	0.05 U
Aroclor-1254	ns	0.05 U	0.051 U	0.05 U	0.05 U	0.05 U	0.05 U
Aroclor-1260	ns	0.05 U	0.051 U	0.05 U	0.05 U	0.05 U	0.05 U
Total PCBs	0.09	0.072	0.051 U	0.05 U	0.05 U	0.05 U	0.05 U

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 25.

Groundwater Samples

Table 3c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		**Sample Collection Designation & Collection Date**						
Source:	NYSDEC	2	2	2	2	2	2	2
Sample ID:	TOGS 1.1.1	MW-23	MW-24	MW-24 (filtered)	MW-25	MW-25 (filtered)	MW-25	MW-26
Sample Date:	Class GA	12/10/99	12/9/99	12/9/99	12/9/99	12/9/99	1/12/00	12/9/99
Aroclor-1242	ns	0.05 U	0.05 U	0.05 U	0.05 U	0.052 U	0.05 U	0.05 U
Aroclor-1248	ns	0.05 U	0.05 U	0.05 U	0.05 U	0.052 U	0.05 U	0.05 U
Aroclor-1254	ns	0.05 U	0.05 U	0.05 U	0.28 0.052	U	0.05 U	0.13
Aroclor-1260	ns	0.05 U	0.05 U	0.05 U	0.093 0.052	U	0.05 U	0.059
Total PCBs	0.09	0.05 U	0.05 U	0.05 U	**0.37** 0.052	U	0.05 U	**0.19**

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.

See notes on page 25.

Groundwater Samples
Table 3c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		Sample Collection Designation & Collection Date						
Source:	NYSDEC	2	2	2	2	2	2	2
Sample ID:	TOGS 1.1.1	MW-26 (filtered)	MW-27	MW-27 (filtered)	MW-28	MW-28 (filtered)	MW-29	MW-29 (filtered)
Sample Date:	Class GA	12/9/99	12/10/99	12/10/99	12/10/99	12/10/99	12/10/99	12/10/99
Aroclor-1242	ns	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Aroclor-1248	ns	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Aroclor-1254	ns	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Aroclor-1260	ns	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Total PCBs	0.09	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 25.

Groundwater Samples
Table 3c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		Sample Collection Designation & Collection Date						
Source:	NYSDEC	2	2	2	2	2	2	1
Sample ID:	TOGS 1.1.1	MW-30	MW-30 (filtered)	MW-30 DUP (filtered)	MW-30 DUP	MW-31(filtered)	MW-31	MW-32
Sample Date:	Class GA	12/10/99	12/10/99	12/10/99	12/10/99	12/10/99	12/10/99	12/6/00
Aroclor-1242	ns	0.05 U	0.05 U	0.052 U	0.05 U	0.051 U	0.05 U	0.05 U
Aroclor-1248	ns	0.05 U	0.05 U	0.052 U	0.05 U	0.051 U	0.05 U	NA
Aroclor-1254	ns	0.05 U	0.05 U	0.052 U	0.05 U	0.051 U	0.05 U	0.05 U
Aroclor-1260	ns	0.05 U	0.05 U	0.052 U	0.05 U	0.051 U	0.05 U	0.05 U
Total PCBs	0.09	0.05 U	0.05 U	0.052 U	0.05 U	0.051 U	0.05 U	0.05 U

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.

See notes on page 25.

Groundwater Samples
Table 3c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		Sample Collection Designation & Collection Date						
Source:	NYSDEC	1	1	1	1	1	1	1
Sample ID:	TOGS 1.1.1	MW-33	MW-33 (filtered)	MW-33 (filtered)	MW-33 DUP	MW-34	MW-35	MW-35
Sample Date:	Class GA	12/11/00	12/11/00	12/11/00	12/11/00	12/6/00	12/6/00	5/31/01
Aroclor-1242	ns	0.050 U	0.05 U	0.05 U	0.050 U	0.05 U	0.05 U	0.5 U
Aroclor-1248	ns	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	ns	0.65 0.076		0.05 U	0.88	0.05 U	0.05 U	0.5 U
Aroclor-1260	ns	0.22 0.05	U	0.05 U	0.31	0.05 U	0.05 U	0.5 U
Total PCBs	0.09	**0.87** 0.076		0.05 U	**1.2**	0.05 U	**0.14**	**0.5 U**

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 25.

Groundwater Samples
Table 3c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		Sample Collection Designation & Collection Date						
Source:	NYSDEC	1	1	1	1	1	1	1
Sample ID:	TOGS 1.1.1	MW-35 (filtered)	MW-45	MW-45	MW-46	MW-47	MW-48	TMW_1 (filtered)
Sample Date:	Class GA	12/6/00	5/31/01	5/31/01	5/30/01	6/1/01	5/31/01	12/5/00
Aroclor-1242	ns	0.05 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.05 U
Aroclor-1248	ns	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	ns	0.05 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.05 U
Aroclor-1260	ns	0.05 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.05 U
Total PCBs	0.09	0.05 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.05 U

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 25.

Groundwater Samples
Table 3c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		Sample Collection Designation & Collection Date						
Source:	NYSDEC	1	1	1	1	1	1	1
Sample ID:	TOGS 1.1.1	TMW-3 (filtered)	TMW-4 (filtered)	TMW-5 (filtered)	TMW-6 (filtered)	TMW-7 (filtered)	TMW-8 (filtered)	TMW-19C (DEEP[filtered])
Sample Date:	Class GA	11/14/00	12/5/00	12/5/00	12/5/00	12/5/00	12/5/00	12/4/00
Aroclor-1242	ns	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.053 U
Aroclor-1248	ns	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	ns	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.053 U
Aroclor-1260	ns	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.053 U
Total PCBs	0.09	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.053 U

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 25.

Groundwater Samples
Table 3c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		Sample Collection Designation & Collection Date						
Source:	NYSDEC	1	1	1	1	1	1	1
Sample ID:	TOGS 1.1.1	TMW-19C (MID[filt.])	TMW-19D (filtered)	TMW-19E (filtered)	TMW-19F (filtered)	TMW-19G (DEEP[filt.])	TMW-19G (filtered)	TMW-19G (MID[filt.])
Sample Date:	Class GA	12/4/00	11/8/00	11/8/00	11/8/00	12/4/00	11/8/00	11/8/00
Aroclor-1242	ns	0.054 U	0.056 U	0.051 U	0.05 U	0.053 U	0.05 U	0.053 U
Aroclor-1248	ns	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	ns	0.054 U	0.056 U	0.051 U	0.05 U	0.053 U	0.05 U	0.053 U
Aroclor-1260	ns	0.054 U	0.056 U	0.051 U	0.05 U	0.053 U	0.05 U	0.053 U
Total PCBs	0.09	0.054 U	0.056 U	0.051 U	0.05 U	0.053 U	0.05 U	0.053 U

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.

See notes on page 25.

Groundwater Samples
Table 3c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		Sample Collection Designation & Collection Date						
Source:	NYSDEC	1	1	1	1	1	1	1
Sample ID:	TOGS 1.1.1	TMW-19H (filtered)	TMW-19I (filtered)	TMW-19J (filtered)	TMW-19J DUP (filtered)	TMW-19K (DEEP[filtered]	TMW-19K (filtered)	TMW-19K (MID[filtered])
Sample Date:	Class GA	11/8/00	11/9/00	11/15/00	11/15/00	12/4/00	11/15/00	12/4/00
Aroclor-1242	ns	0.055 U	0.05 U	0.051 U	0.052 U	0.054 U	0.052 U	0.076 U
Aroclor-1248	ns	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	ns	0.055 U	0.05 U	0.051 U	0.052 U	0.054 U	0.052 U	0.076 U
Aroclor-1260	ns	0.055 U	0.05 U	0.051 U	0.052 U	0.054 U	0.052 U	0.076 U
Total PCBs	0.09	0.055 U	0.05 U	0.051 U	0.052 U	0.054 U	0.052 U	0.076 U

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 25.

Groundwater Samples
Table 3c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		Sample Collection Designation & Collection Date						
Source:	NYSDEC	1	1	1	1	1	1	1
Sample ID:	TOGS 1.1.1	TMW-19L (filtered)	TMW-19M (filtered)	TMW-3 (filtered)	TMW-4 (filtered)	TMW-5 (filtered)	TMW-6 (filtered)	TMW-7 (filtered)
Sample Date:	Class GA	11/15/00	11/15/00	11/14/00	12/5/00	12/5/00	12/5/00	12/5/00
Aroclor-1242	ns	0.053 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Aroclor-1248	ns	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	ns	0.053 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Aroclor-1260	ns	0.053 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Total PCBs	0.09	0.053 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 25.

Groundwater Samples
Table 3c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		**Sample Collection Designation & Collection Date**						
Source:	NYSDEC	1	1	1	1	1	1	1
Sample ID:	TOGS 1.1.1	TMW-8 (filtered)	MW-36	MW-36 (filtered)	MW-36A	MW-36A (filtered)	MW-37	MW-37 (filtered)
Sample Date:	Class GA	12/5/00	12/6/00	12/6/00	12/7/00	12/7/00	12/6/00	12/6/00
Aroclor-1242	ns	0.05 U	0.15 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Aroclor-1248	ns	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	ns	0.05 U	1.4 0.05	U	0.13	0.05 U	0.25	0.05 U
Aroclor-1260	ns	0.05 U	1.4 0.05	U	0.05 U	0.05 U	0.18	0.05 U
Total PCBs	0.09	0.05 U	**2.8** 0.05	U	**0.13** 0.05	U	**0.43** 0.05	U

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 25.

Groundwater Samples
Table 3c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte	**Sample Collection Designation & Collection Date**							
Source:	NYSDEC	1	1	1	1	1	1	1
Sample ID:	TOGS 1.1.1	MW-38	MW-38	MW-39	MW-40	MW-41	MW-42	MW-43
Sample Date:	Class GA	12/6/00	12/6/00	12/7/00	12/7/00	12/7/00	12/8/00	12/8/00
Aroclor-1242	ns	0.050 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Aroclor-1248	ns	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	ns	0.050 U	0.05 U	0.05 U	0.071 0.05	U	0.05 U	0.05 U
Aroclor-1260	ns	0.050 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Total PCBs	0.09	0.050 U	0.05 U	0.05 U	0.071	0.05 U	0.05 U	0.05 U

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 25.

Groundwater Samples
Table 3c - Summary of Polychlorinated Biphenyls (PCBs) Results (EPA Method 8082)

Analyte		Sample Collection Designation & Collection Date
Source:	NYSDEC	1
Sample ID:	TOGS 1.1.1	MW-44
Sample Date:	Class GA	5/31/01
Aroclor-1242	ns	0.5 U
Aroclor-1248	ns	NA
Aroclor-1254	ns	0.5 U
Aroclor-1260	ns	0.5 U
Total PCBs	0.09	0.5 U

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.

Notes:
All groundwater samples collected using low-flow purging/sampling, except those collected at the DP-BG1 location. During drilling at this location, a groundwater sample was collected on 5/31/01 using a Hydropunch® (20-20.3 feet below the ground surface [BGS]). After a temporary well was installed at the DP-BG1 location, another groundwater sample was collected on 6/5/01 using a disposable bailer (10.7-15.7 feet BGS).
Groundwater samples tested for dissolved PCBs were passed through a 0.45 micron filter.
NA = Sample was not analyzed for this consituent.
J = The compound or analyte was positively identified, but the associated numerical value is an estimated concentration. This qualifier is used when the data evaluation procedure identifies a deficiency in the data generation process. This qualifier is also used when a compound or analyte is detected at estimated concentrations less than the practical quantitation limit (PQL).
ns = No standard. Value is not available in TOGS.
U = Identifies all compounds that were not detected.

Groundwater Samples
Table 3d - Summary of Total Petroleum Hydrocarbon (TPH) Results

Analyte		Sample Collection Designation & Collection Date					
Source:	NYSDEC	3	3	3	3	3	3
Sample ID:	TOGS 1.1.1	MW-1	MW-2	MW-3	MW-4	MW-4D	MW-5
Sample Date:	Class GA	9/2/92	9/2/92	9/2/92	9/2/92	9/2/92	9/2/92
Total Petroleum Hydrocarbons	ns	832	4.6	174	32,200	12,800	37.4

All results reported in miilligrams per Liter (mg\L), or parts per million (ppm).

Notes:
ns = No standard. Value is not available in TOGS.

Groundwater Samples
Table 3e - Summary of Inorganic Results

Analyte		**Sample Collection Designation & Collection Date**						
Source:	NYSDEC	5	2	2	5	2	5	2
Sample ID:	TOGS 1.1.1	EVIMW-1	EVIMW-1	EVIMW-1	EVIMW-2	EVIMW-2	EVIMW-3	EVIMW-6
Sample Date:	Class GA	7/24/96	12/8/99	1/17/00	7/24/96	12/8/99	7/24/96	12/8/99
Aluminum	ns	NA	76,500 *	5,230 NA		10,700 *	NA	9,690 *
Antimony	3	NA	30.8 U	30.8 U	NA	30.8 U	NA	30.8 U
Arsenic	25	NA	**33.9 J**	6.6 UW	NA	R	NA	14.4 J
Barium	1,000	NA	630 136		NA	19.2	NA	193
Beryllium	3	NA	3.7 U	3.7 U	NA	3.7 U	NA	3.7 U
Cadmium	5	NA	4.6 U	4.6 U	NA	4.6 U	NA	4.6 U
Calcium	ns	NA	244,000	161,000 NA		60,000	NA	196,000
Chromium	50	NA	**131**	14.4 NA		4.6 U	NA	4.6 U
Cobalt	ns	NA	31 22	U	NA	22 U	NA	22 U
Copper	200	14 U	89.2	13.2 U	15	38.8	14 U	18.6
Iron	300	NA	**77,500**	**5,540** NA		**2,970** NA		**18,800**
Lead	25	NA	**41.8 S**	3.3 U	NA	7.3 NA		15.8
Magnesium	35,000	NA	**80,400**	**68,300**	NA	12,100 NA		32,800
Manganese	300	NA	**2,500**	**378 J**	NA	9.8	NA	**627**
Mercury	0.7	NA	0.39	0.2 U	NA	0.2 U	NA	0.2 U
Nickel	100	16 U	80.1 *	17.6 U	16 U	63.1 *	16	17.6 U*
Potassium	ns	NA	36,900 12,300		NA	5.3	NA	16,600
Selenium	10	NA	330 UJ	3.3 UJ	NA	330 UJ	NA	330 UJ
Sodium	20,000	NA	**134,000**	**106,000** NA		19,500	NA	**37,600 U**
Thallium	0.5	NA	NA	NA	NA	NA	NA	NA
Vanadium	ns	NA	142 22	U	NA	22 U	NA	22 U
Zinc	2,000	7.4 U	213 J	22 J	14	30.5 J	26	255 J

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 14.

Groundwater Samples
Table 3e - Summary of Inorganic Results

Analyte		Sample Collection Designation & Collection Date						
Source:	NYSDEC	6	2	4	4	2	4	2
Sample ID:	TOGS 1.1.1	EVIMW-8	EVIMW-8	MW-1	MW-2	MW-2	MW-3	MW-3
Sample Date:	Class GA	6/6/1997	12/8/99	5/5/94	5/5/94	11/29/99	5/5/94	11/29/99
Aluminum	ns	NA	957 *	NA		1,150 NA		130 U
Antimony	3	NA	30.8 U	10 U	10 U	30.8 U	**12**	30.8 U
Arsenic	25	10	**65.2 J**	6 U	7	24.8 J	6 U	6.6 U
Barium	1,000	NA	59.7 NA		NA	134 B	NA	79.2 B
Beryllium	3	NA	3.7 U	NA	NA	3.7 U	NA	3.7 U
Cadmium	5	NA	4.6 U	10 U	**10**	4.6 U	10 U	4.6 U
Calcium	ns	NA	92,500 NA		NA	181,000 J	NA	76,900 J
Chromium	50	NA	4.6 U	NA	NA	4.6 U	NA	4.6 U
Cobalt	ns	NA	22 U	NA	NA	22 U	NA	22 U
Copper	200	NA	75.7 39		52	13.2 U	52	13.2 U
Iron	300	NA	**38,000**	NA	NA	**47,100**	NA	**35,700**
Lead	25	NA	8.4	7	17	4.2	**92**	5.6
Magnesium	35,000	NA	18,300 NA		NA	1,310 J	NA	12,000 J
Manganese	300	NA	**376**	NA	NA	**20,000 J**	NA	**564 J**
Mercury	0.7	NA	0.2 U	0.2 U	0.2 U	0.22 U	2 U	0.2 U
Nickel	100	NA	17.6 U*	40 U	40 U	17.6 U	40 U	**21,900 J**
Potassium	ns	NA	7,360 NA		NA	11,100	NA	3,940 B
Selenium	10	NA	3.3 U	NA	NA	3.3 U	NA	3.3 U
Sodium	20,000	NA	**26,100**	NA	NA	**130,000** NA		17,800
Thallium	0.5	NA	NA	6 U	6 U	NA	6 U	NA
Vanadium	ns	NA	22 U	NA	NA	22 U	NA	22 U
Zinc	2,000	NA	92.8 J	28	44	13.4 J	36	8.8 UN*

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.

See notes on page 14.

Groundwater Samples
Table 3e - Summary of Inorganic Results

Analyte		**Sample Collection Designation & Collection Date**						
Source:	NYSDEC	4	2	2	4	2	4	2
Sample ID:	TOGS 1.1.1	MW-4	MW-4	MW-4	MW-5	MW-5	MW-6	MW-6
Sample Date:	Class GA	5/5/94	12/8/99	1/12/2000	5/5/94	11/29/1999	5/5/94	12/6/1999
Aluminum	ns	NA	217 *	251 NA		2,730 J	NA	1,210 J
Antimony	3	10 U	30.8 U	30.8 U	10 U	30.8 U	10 U	30.8 U
Arsenic	25	**54**	**128 J**	**87.4**	**25**	**84 J**	8	11.8 J
Barium	1,000	NA	265 278		NA	210 B	NA	247
Beryllium	3	NA	3.7 U	3.7 U	NA	3.7 U	NA	3.7 U
Cadmium	5	**11**	4.6 U	4.6 U	**11**	4.6 U	**12**	4.6 U
Calcium	ns	NA	87,000 96,700		NA	117,000	NA	152,000 J
Chromium	50	NA	4.6 U	11.1 NA		4.6 U	NA	4.6 U
Cobalt	ns	NA	22 U	22 U	NA	22 U	NA	22 U
Copper	200	20 U	13.2 U	19.2 21		13.2 U	44	16.2 B
Iron	300	NA	**52,800**	**72,000**	NA	**25,700**	NA	**34,500**
Lead	25	3 U	4.1 3.3	U	10	5.6	12	14.1
Magnesium	35,000	NA	16,000 18,000		NA	17,600 J	NA	18,200 J
Manganese	300	NA	**1,300**	**1,950**	NA	**4,110 J**	NA	**604 J**
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.24 0.2	U	0.35
Nickel	100	40 U	17.6 U*	33.6 40	U	17.6 U	40 U	17.6 U
Potassium	ns	NA	6,120 6,950	J	NA	5,010 B	NA	1,350 B
Selenium	10	NA	33 UJ	3.3 UJ	NA	3.3 U	NA	16.5 UJ
Sodium	20,000	NA	**21,000**	**23,600** NA		18,100	NA	**125,000**
Thallium	0.5	6 U	NA	NA	6 U	NA	6 U	NA
Vanadium	ns	NA	22 U	22 U	NA	22 U	NA	22 U
Zinc	2,000	23	175 J	77.8 30		10.6 J	75	R

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 14.

Groundwater Samples
Table 3e - Summary of Inorganic Results

Analyte		**Sample Collection Designation & Collection Date**						
Source:	NYSDEC	4	2	4	2	2	2	4
Sample ID:	TOGS 1.1.1	MW-7	MW-7	MW-8	MW-8	MW-8	MW-8 (filtered)	MW-9
Sample Date:	Class GA	5/5/94	12/1/99	5/5/94	12/6/99	1/14/00	1/14/00	5/5/94
Aluminum	ns	NA	3,370 J	NA	5,940 J	45,100 J	130 U	NA
Antimony	3	10 U	30.8 U	10 U	30.8 U	30.8 U	30.8 U	10 U
Arsenic	25	**36**	**26 J**	20	23.3 J	**107** 19		6 U
Barium	1,000	NA	226 NA		215 B	713	120	NA
Beryllium	3	NA	3.7 U	NA	3.7 U	3.7 U	3.7 U	NA
Cadmium	5	**12**	4.6 U	10 U	4.6 U	**5.3** 4.6	U	**10**
Calcium	ns	NA	139,000 J	NA	128,000 J	141,000 105,000		NA
Chromium	50	NA	4.6 U	NA	32.6	**211 ***	4.6 U	NA
Cobalt	ns	NA	22 U	NA	22 U	66.7 22	U	NA
Copper	200	**230**	13.2 U	130	34.2	**398** 13.2	U	20 U
Iron	300	NA	**47,600**	NA	**55,000**	**165,000**	**46,000** NA	
Lead	25	**270**	12.3	**72**	**127**	**471** 3.3	U	6
Magnesium	35,000	NA	14,700 J	NA	14,100 J	31,000 12,700		NA
Manganese	300	NA	287 J	NA	244 J	**1,340**	**390 J**	NA
Mercury	0.7	0.6	0.2 U	0.2 U	0.24	**0.8** 0.2	U	0.2 U
Nickel	100	87	17.6 U	58	17.6 U	**138** 17.6	U	40 U
Potassium	ns	NA	7,410 NA		10,100	13,200	7,090	NA
Selenium	10	NA	3.3 U	NA	16.5 UJ	33 UJ	3.3 UJ	NA
Sodium	20,000	NA	**71,300**	NA	**80,000**	**69,100**	**61,300** NA	
Thallium	0.5	6 U	NA	6 U	NA	NA	NA	6 U
Vanadium	ns	NA	22 U	NA	22 U	151 22	U	NA
Zinc	2,000	620	212 J	180	R	735 J	9.2 20	

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 14.

Groundwater Samples
Table 3e - Summary of Inorganic Results

Analyte		**Sample Collection Designation & Collection Date**						
Source:	NYSDEC	4	4	2	4	2	2	2
Sample ID:	TOGS 1.1.1	MW-10	MW-11	MW-11	MW-12	MW-12	MW-12D	MW-13
Sample Date:	Class GA	5/5/94	5/5/94	11/29/99	5/5/94	12/1/99	12/1/99	12/1/99
Aluminum	ns	NA	NA	1,250 J	NA	836 1,430	J	4,450 J
Antimony	3	10 U	10 U	30.8 U	10 U	30.8 U	30.8 U	30.8 U
Arsenic	25	6 U	6 U	16.9 J	10	6.6 UWN	6.6 UN	6.6 UN
Barium	1,000	NA	NA	75.4 B	NA	64.5 B	72.2 B	78 B
Beryllium	3	NA	NA	3.7 U	NA	3.7 U	3.7 U	3.7 U
Cadmium	5	**12**	10 U	**5.3 B**	**17**	4.6 U	4.6 U	4.6 U
Calcium	ns	NA	NA	50,300 J	NA	96,800 J	211,000 150,000	J
Chromium	50	NA	NA	4.6 U	NA	4.6 U	4.6 U	4.6 U
Cobalt	ns	NA	NA	22 U	NA	22 U	22 U	22 U
Copper	200	20 U	34	13.2 U	56	13.2 U	13.2 U	13.2 U
Iron	300	NA	NA	**21,200**	NA	**2,450**	**2,350**	**5,080**
Lead	25	9	6	5.9 21		3.3 U	4.4	4.1
Magnesium	35,000	NA	NA	5,570 J	NA	5,970 J	14,600 J	18,700 J
Manganese	300	NA	NA	**388 J**	NA	253 J	**1,100 J**	**1,180 J**
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40 U	40 U	17.6 U	52	17.6 U	17.6 U	17.6 U
Potassium	ns	NA	NA	4,300 B	NA	3,590 B	7,900 4,430	B
Selenium	10	NA	NA	3.3 U	NA	3.3 U	3.3 U	3.3 U
Sodium	20,000	NA	NA	16,400 NA		**426,000**	**96,400**	**25,400**
Thallium	0.5	6 U	6 U	NA	6 U	NA	NA	NA
Vanadium	ns	NA	NA	22 U	NA	22 U	22 U	22 U
Zinc	2,000	22	50	21.8 J	80	99.4 J	121 J	125 J

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.
See notes on page 14.

Groundwater Samples
Table 3e - Summary of Inorganic Results

Analyte		**Sample Collection Designation & Collection Date**						
Source:	NYSDEC	2	2	2	2	2	2	2
Sample ID:	TOGS 1.1.1	MW-14	MW-14	MW-15	MW-15	MW-16	MW-16	MW-17
Sample Date:	Class GA	8/15-16/95	12/1/99	12/8/99	1/14/00	8/15-16/95	12/1/99	12/10/99
Aluminum	ns	NA	3,040 J	6,630 *	530 J	NA	153 B	83,000 *
Antimony	3	NA	30.8 U	30.8 U	30.8 U	NA	30.8 U	30.8 U
Arsenic	25	0.0087	**26.3 J**	**46 J**	18.2 NA		6.6 UWN	**42.6 J**
Barium	1,000	NA	126 B	219 206		NA	63.7 B	**1,620**
Beryllium	3	NA	3.7 U	3.7 U	3.7 U	NA	3.7 U	**4.6**
Cadmium	5	NA	4.6 U	4.6 U	4.6 U	NA	4.6 U	4.6 U
Calcium	ns	NA	252,000 J	233,000 225,000		NA	156,000 J	369,000 J
Chromium	50	NA	6.7 B	4.6 U	4.6 U*	0.0037	4.6 U	**115 ***
Cobalt	ns	NA	22 U	22 U	22 U	NA	22 U	64.2
Copper	200	NA	13.2 U	13.2 U	13.2 U	NA	13.2 U	157
Iron	300	NA	**29,200**	**38,200**	**42,900**	NA	**4,370**	**136,000 ***
Lead	25	NA	5.7	**33.6** 5.3	*	NA	3.3 U	**108**
Magnesium	35,000	NA	15,100 J	20,000 20,700		NA	10,300 J	**72,000**
Manganese	300	NA	**1,270 J**	**2,790**	**3,350**	NA	**728 J**	**11,600 ***
Mercury	0.7	NA	0.2 U	0.23 0.2	U	NA	0.2 U	0.2 U
Nickel	100	NA	17.6 U	17.6 U*	17.6 U	NA	23.1 B	**139 ***
Potassium	ns	NA	9,680 15,300		12,800	NA	6,750	28,100
Selenium	10	NA	5.5 J	330 UJ	16 UJ	NA	3.3 UJ	R
Sodium	20,000	NA	**20,900**	**73,900**	**84,800**	NA	**35,200**	**266,000**
Thallium	0.5	NA	NA	NA	NA	NA	NA	NA
Vanadium	ns	NA	22 U	22 U	22 U	NA	22 U	497 J
Zinc	2,000	NA	R	38.9 J	25.2 J	0.53	440 J	160

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See notes on page 14.

Groundwater Samples
Table 3e - Summary of Inorganic Results

Analyte		Sample Collection Designation & Collection Date						
Source:	NYSDEC	2	2	2	2	2	2	2
Sample ID:	TOGS 1.1.1	MW-17	MW-18	MW-18	MW-19	MW-19	MW-19 DUP	MW-20
Sample Date:	Class GA	1/13/2000	12/9/99	1/13/00	12/10/99	1/14/00	12/10/99	12/10/99
Aluminum	ns	418 74,200	*	1,320	49,300 *	4,310 J	48,800 *	28,600 *
Antimony	3	30.8 U	30.8 U	30.8 U	30.8 U	30.8 U	30.8 U	30.8 U
Arsenic	25	6.6 UW	**35 J**	12.1	**77.9 J**	19 R		13.9 J
Barium	1,000	880	607 246		550	273 500		207
Beryllium	3	3.7 U	3.7 U	4.6 U	3.7 U	3.7 U	3.7 U	3.7 U
Cadmium	5	4.6 U	4.6 U	3.7 U	4.6 U	4.6 U	**261,000 J**	4.6 U
Calcium	ns	297,000 225,000		212,000	260,000 J	217,000	66.8 *	170,000 J
Chromium	50	4.6 U	**86.5** 7.6		**65.3 ***	6.4 *	**114,000 ***	39.5 *
Cobalt	ns	22 U	22 U	22 U	30.2 22	U	4.6 U	22 U
Copper	200	13.2 U	84.2 13.2	U	107	13.2 U	29	29.9
Iron	300	**16,300**	**84,700**	**30,200**	**123,000 ***	**27,800** 68.8		**28,400 ***
Lead	25	3.3 U	11.4 W	3.3 U	**72.2** 6.8	*	**100**	14.7
Magnesium	35,000	**48,800** 25,600	J	18,700	32,500	21,900	31,800	28,800
Manganese	300	**10,400 J**	**1,650**	**1070 J**	**5,000 ***	**6,980**	**5,020 ***	**8,330 ***
Mercury	0.7	0.2 U	0.49 0.2	U	0.2	0.2 U	0.2 U	0.2 U
Nickel	100	17.6 U	68.9 *	17.6 U	78.6 *	17.6 U	82.7 *	20.8 *
Potassium	ns	6,090	39,100 14,400		25,400	15,900 25,800		10,200
Selenium	10	33 UJ	330 UJ	33 UJ	R	16 UJ	R	R
Sodium	20,000	**291,000**	**150,000**	**153,000**	**366,000**	**358,000**	**355,000**	**42,800**
Thallium	0.5	NA	NA	NA	NA	NA	NA	NA
Vanadium	ns	22 U	127 22	U	106	22 U	102	45.4
Zinc	2,000	8.8 U	170 J	115 J	261 UJ	23.9 J	252 UJ	125 UJ

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.

See notes on page 14.

Groundwater Samples
Table 3e - Summary of Inorganic Results

Analyte		Sample Collection Designation & Collection Date						
Source:	NYSDEC	2	2	2	2	2	2	2
Sample ID:	TOGS 1.1.1	MW-21	MW-21	MW-21 (filtered)	MW-22	MW-22	MW-23	MW-24
Sample Date:	Class GA	12/10/99	1/14/00	1/14/00	12/10/99	1/17/00	12/10/99	12/9/99
Aluminum	ns	408,000 *	31,900 130	U	55,400 *	2,750	14,200 *	13,500 *
Antimony	3	**44**	30.8 U	30.8 U	30.8 U	30.8 U	30.8 U	30.8 U
Arsenic	25	**313 J**	16.6 6.6	U	**51.6 J**	6.6 UW	24.3 J	**48.8 J**
Barium	1,000	**2,620**	448 J	182 J	509 82.6		179	120
Beryllium	3	**18.7**	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U
Cadmium	5	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U
Calcium	ns	1,060,000 J	126,000 65,900		321,000 J	121,000	168,000 J	133,000
Chromium	50	**2,290 ***	**198** 4.6	U	**170 ***	7.8 36.5	*	47.4
Cobalt	ns	325 22	U	22 U	42.6 22	U	22 U	22 U
Copper	200	**2,690**	143 13.2	U	158	13.2 U	43.4	**318**
Iron	300	**847,000 ***	**53,100**	24.2 U	**129,000 ***	**10,200**	**29,000 ***	**222,000**
Lead	25	**2,130**	**139**	3.3 U	**194**	4.7	**34.2**	**201**
Magnesium	35,000	**454,000**	**65,400**	**42,300** 33,400		**36,400** 32,600		23,900 J
Manganese	300	**14,800 ***	**1,130 J**	156 J	**2,670 ***	**481 J**	**1,470 ***	**5,050**
Mercury	0.7	**2.7**	0.24 0.2	U	**0.88**	0.2 U	0.34 0.33	
Nickel	100	**827 ***	49.1 17.6	U	98.7 *	17.6 U	19.7 *	55.9 *
Potassium	ns	118,000 37,200		27,400	32,900 14,300		8,270 14,000	
Selenium	10	R	33 UJ	3.3 UJ	R	3.3 UJ	R	33 UJ
Sodium	20,000	**259,000**	**124,000**	**137,000**	**125,000**	**104,000** 11,400		19,100
Thallium	0.5	NA	NA	NA	NA	NA	NA	NA
Vanadium	ns	701 60.6		22 U	103	22 U	23.1 64.5	
Zinc	2,000	1,940 J	149 J	8.8 U	175 UJ	157 J	166 UJ	260 J

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See notes on page 14.

Groundwater Samples
Table 3e - Summary of Inorganic Results

Analyte		Sample Collection Designation & Collection Date						
Source:	NYSDEC	2	2	2	2	2	2	2
Sample ID:	TOGS 1.1.1	MW-24	MW-25	MW-26	MW-27	MW-27	MW-28	MW-28
Sample Date:	Class GA	1/11/00	12/9/99	12/9/99	12/10/99	1/12/00	12/10/1999	1/12/2000
Aluminum	ns	1,030 J	13,500 *	10,400 *	11,900 *	292 94,400	*	4,170
Antimony	3	30.8 U	30.8 U	30.8 U	30.8 U	30.8 U	30.8 U	30.8 U
Arsenic	25	6.6 U	13.9 J	14.7 J	**27 J**	6.6 U	R	9.1
Barium	1,000	37.6	167 201	114		45.9	587	103
Beryllium	3	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	**5.9** 3.7	U
Cadmium	5	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U
Calcium	ns	125,000 120,000		131,000	80,000	49,100	103,000 J	95,000
Chromium	50	4.6 U	17.3 16		21.9 *	5.8	**177 ***	8.1
Cobalt	ns	22 U	22 U	22 U	22 U	22 U	67.4 22	U
Copper	200	19 22.3		21.9	**264**	13.2 U	**288**	13.6
Iron	300	**31,500**	**15,000**	**18,200**	**24,300 ***	**735**	**215,000 ***	3.8
Lead	25	3.3 U	16.5 13.5		**70.1**	3.3 U	**205**	0.22 U
Magnesium	35,000	20,200 J	21,600 J	15,500 J	12,200 8,960		**35,100**	**9,580**
Manganese	300	**6,440 J**	**1,240**	**1,550**	**4,260 ***	**2,850**	**12,900 ***	**12,100**
Mercury	0.7	0.22 U	0.2 U	0.2 U	0.2 U	0.2 U	**1.2**	**2,580**
Nickel	100	38.6 28.9	*	17.6 U*	24.6 *	17.6 U	**198 ***	17.6 U
Potassium	ns	10,700 J	9,020 7,850	3,530		1,710 J	14,300	6,220 J
Selenium	10	3.3 UJ	R	R	R	3.3 UJ	R	3.3 UJ
Sodium	20,000	**36,000**	**21,000**	**20,300** 9,250		7,310	16,000	16,000
Thallium	0.5	NA	NA	NA	NA	NA	NA	NA
Vanadium	ns	22 U	22 U	22 U	26.2 22	U	221	22 U
Zinc	2,000	61.3 163	J	161 J	78 UJ	11.1	567 J	35.1

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See notes on page 14.

Groundwater Samples
Table 3e - Summary of Inorganic Results

Analyte		**Sample Collection Designation & Collection Date**						
Source:	NYSDEC	2	2	2	2	2	2	1
Sample ID:	TOGS 1.1.1	MW-29	MW-30	MW-30	MW-30 DUP	MW-31	MW-31	MW-32
Sample Date:	Class GA	12/10/1999	12/10/1999	1/11/2000	12/10/1999	12/10/1999	1/11/2000	12/6/00
Aluminum	ns	30,400 *	245,000 *	6,740 J	226,000 *	176,000 *	2,630 J	130 U
Antimony	3	30.8 U	30.8 U	30.8 U	30.8 U	30.8 U	30.8 U	NA
Arsenic	25	R	R	11.7 R		R	6.6 U	55 U
Barium	1,000	284	**1,430**	154	**1,370**	913 40		67.5
Beryllium	3	3.7 U	**12.9**	3.7 U	**12.3**	**15.3** 3.7	U	NA
Cadmium	5	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	NA
Calcium	ns	138,000 J	749,000 J	191,000 779,000	J	191,000 J	60,400	92,900
Chromium	50	45.6 *	**316 ***	11.8	**314 ***	**230 ***	5.1 4.62	U
Cobalt	ns	22 U	170 22	U	167	165	22 U	NA
Copper	200	52.1	**523**	17.5	**501**	**617**	15 13.2	U
Iron	300	**46,100** *	**401,000 ***	**10,300**	**378,000 ***	**404,000 ***	**2,120**	**6,940**
Lead	25	**46.3**	**469**	6.9	**478**	**252**	3.3 U	NA
Magnesium	35,000	17,200	**138,000**	33,900 J	**136,000**	**56,400**	7,080 J	11,000
Manganese	300	**1,040 ***	**14,600 ***	**8,870 J**	**14,300 ***	**19,300 ***	**375 J**	132 EJ
Mercury	0.7	0.22	**0.98**	0.22 U	**0.92**	**0.98**	0.22 U	NA
Nickel	100	39.6 *	**382 ***	17.6 U	**346 ***	**402 ***	17.6 U	17.6 U
Potassium	ns	14,700 50,100		6,310 J	44,500	40,400	7,970 J	6,240
Selenium	10	R	R	33 UJ	R	R	3.3 UJ	NA
Sodium	20,000	**177,000**	**193,000**	**219,000**	**190,000**	**206,000**	**94,700**	**75,600**
Thallium	0.5	NA	NA	NA	NA	NA	NA	NA
Vanadium	ns	57.2 471		22 U	430	393	22 U	NA
Zinc	2,000	403 J	1,070 J	34.3 1,080	J	1,260 J	25.2	11.5 J

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See notes on page 14.

Groundwater Samples
Table 3e - Summary of Inorganic Results

Analyte		**Sample Collection Designation & Collection Date**						
Source:	NYSDEC	1	1	1	1	1	1	1
Sample ID:	TOGS 1.1.1	MW-33	MW-33DUP	MW-34	MW-36	MW-36	MW-36A	MW-37
Sample Date:	Class GA	12/11/00	12/11/00	12/6/00	12/6/00	12/6/00	12/7/00	12/7/00
Aluminum	ns	427	358	179 217		471 159		723
Antimony	3	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	55 U	55 U	55 U	55 U	55 U	55 U	55 U
Barium	1,000	115 113		25	226	202	96.3	50.2
Beryllium	3	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA
Calcium	ns	189,000	188,000	93,600 162,000		212,000 146,000		35,600
Chromium	50	4.64 U	4.62 U	4.62 U	4.62 U	14.8 7.33		8.26
Cobalt	ns	NA	NA	NA	NA	NA	NA	NA
Copper	200	13.2 U	13.2 U	13.2 U	13.2 U	13.2 U	13.2 U	13.2 U
Iron	300	**24,100**	**24,000**	**2,110**	**32,200**	**38,400**	**8,840**	**1,180**
Lead	25	NA	NA	NA	NA	NA	NA	NA
Magnesium	35,000	16,400 16,700		6,070	18,600	16,200	7,800	3,240
Manganese	300	**624**	**622**	**709 EJ**	**500 EJ**	**1,190 EJ**	**1,050** 120	EJ
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA
Nickel	100	17.6 U	17.6 U	17.6 U	17.6 U	17.6 U	17.6 U	17.6 U
Potassium	ns	9,940 9,950		1,580	12,300	7,610	9,160	17,800
Selenium	10	NA	NA	NA	NA	NA	NA	NA
Sodium	20,000	**65,000**	**64,600**	8,650	**77,800**	**400,000**	**75,300**	**2,410,100**
Thallium	0.5	NA	NA	NA	NA	NA	NA	NA
Vanadium	ns	NA	NA	NA	NA	NA	NA	NA
Zinc	2,000	55.9 13		8.8 U	8.8 U	19.9 J	14.7 13.7	J

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See notes on page 14.

Groundwater Samples
Table 3e - Summary of Inorganic Results

Analyte		**Sample Collection Designation & Collection Date**						
Source:	NYSDEC	1	1	1	1	1	1	1
Sample ID:	TOGS 1.1.1	MW-38	MW-38	MW-39	MW-40	MW-41	MW-42	MW-43
Sample Date:	Class GA	12/6/00	12/6/00	12/7/00	12/7/00	12/7/00	12/8/00	12/8/00
Aluminum	ns	223 199		130 U	4,920	395	130 U	1,560
Antimony	3	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	55 U	55 U	55 U	55 U	55 U	55 U	55 U
Barium	1,000	100	96.2	42 127	146		0.0884 213	
Beryllium	3	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA
Calcium	ns	234,000	224,000	146,000 75,100	55,500		182,000 86,400	
Chromium	50	4.81 4.62	U	5.94	**68.4** 4.62	U	4.62 U	4.62 U
Cobalt	ns	NA	NA	NA	NA	NA	NA	NA
Copper	200	13.2 U	13.2 U	13.2 U	17.1 13.2	U	13.2 U	13.2 U
Iron	300	**6,200**	**5,730**	**857**	**12,800**	**25,700**	**12,600**	**27,000**
Lead	25	NA	NA	NA	NA	NA	NA	NA
Magnesium	35,000	25,300	24,200	11,200	11,300 8,320		9,950 8,960	
Manganese	300	**792 EJ**	**772 EJ**	**671**	**3,120**	**736**	**1,230**	**1,370**
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA
Nickel	100	17.6 U	17.6 U	17.6 U	55.1 17.6	U	17.6 U	17.6 U
Potassium	ns	6,200	6,030	3,470 5,140	6,700		10,500	25,700
Selenium	10	NA	NA	NA	NA	NA	NA	NA
Sodium	20,000	**194,000**	**200,000**	4,690	**55,200**	**37,900** 11,700		**64,000**
Thallium	0.5	NA	NA	NA	NA	NA	NA	NA
Vanadium	ns	NA	NA	NA	NA	NA	NA	NA
Zinc	2,000	86.5 J	95.9 J	88 U	36.8 8.8	U	15.9	22.8

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See notes on page 14.

Groundwater Samples
Table 3e - Summary of Inorganic Results

Analyte		Sample Collection Designation & Collection Date						
Source:	NYSDEC	1	1	1	1	1	1	1
Sample ID:	TOGS 1.1.1	MW-44	MW-45	MW-45	TMW-1 (filtered)	TMW-3 (filtered)	TMW-4 (filtered)	TMW-5 (filtered)
Sample Date:	Class GA	5/31/01	5/31/01	5/31/01	12/5/00	11/14/00	12/5/00	12/5/00
Aluminum	ns	NA	NA	NA	130 U	130 U	130 U	130 U
Antimony	3	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	4.32 J 12.7	12.3		55 U	55 U	55 U	55 U
Barium	1,000	200 U	413 418		68.8	167 J	210	46.1
Beryllium	3	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	0.92 J	10 U	10 U	NA	NA	NA	NA
Calcium	ns	NA	NA	NA	14,100 105,000		157,000	76,100
Chromium	50	25 U	4.18 J	3.23 J	4.62 U	4.62 U	4.62 U	6.75
Cobalt	ns	NA	NA	NA	NA	NA	NA	NA
Copper	200	100 U	100 U	100 U	13.2 U	13.2 U	13.2 U	13.2 U
Iron	300	NA	NA	NA	**2,000**	**6,010 J**	**473**	**1,400**
Lead	25	7.23 4.55	J	5 U	NA	NA	NA	NA
Magnesium	35,000	NA	NA	NA	18,900 14,700	J	18,900	5,210
Manganese	300	NA	NA	NA	**8,030**	**1,340 J**	**1,190** 260	
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA
Nickel	100	40 U	40 U	40 U	17.6 U	17.6 U	17.6 U	17.6 U
Potassium	ns	NA	NA	NA	7,990 4,850	J	11,800	5,390
Selenium	10	NA	NA	NA	NA	NA	NA	NA
Sodium	20,000	NA	NA	NA	**105,000**	**33,900**	**73,300** 5,650	
Thallium	0.5	NA	NA	NA	NA	NA	NA	NA
Vanadium	ns	4.33 J	50 U	50 U	NA	NA	NA	NA
Zinc	2,000	30 22.8		50	10.3 J	8.8 U	8.8 U	14.3 J

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See notes on page 14.

Groundwater Samples
Table 3e - Summary of Inorganic Results

Analyte		Sample Collection Designation & Collection Date	
Source:	NYSDEC	1	
Sample ID:	TOGS 1.1.1	TMW-8 (filtered)	
Sample Date:	Class GA	12/5/00	
Aluminum	ns	130	U
Antimony	3		NA
Arsenic	25	**56.7**	
Barium	1,000	314	
Beryllium	3		NA
Cadmium	5		NA
Calcium	ns	128,000	
Chromium	50	4.62	U
Cobalt	ns		NA
Copper	200	13.2	U
Iron	300	**56,500**	
Lead	25		NA
Magnesium	35,000	24,100	
Manganese	300	**556**	
Mercury	0.7		NA
Nickel	100	17.6	U
Potassium	ns	9,870	
Selenium	10		NA
Sodium	20,000	**80,600**	
Thallium	0.5		NA
Vanadium	ns		NA
Zinc	2,000	9.84	J

All results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Results in bold indicate results which exceed NYSDEC TOGS 1.1.1. Class GA standards and/or guidance values for a given constituent.

Notes:

NA = Sample was not analyzed for this constituent.
J = The compound or analyte was positively identified, but the associated numerical value is an estimated concentration. This qualifier is used when the data evaluation procedure identifies a deficiency in the data generation process. This qualifier is also used when a compound or analyte is detected at estimated concentrations less than the practical quantitation limit (PQL).
JN = The compound or analyte was tentatively identified and the associated numerical value is an estimated concentration. This qualifier is used when the data evaluation procedure identifies a deficiency in the data generation process.
R = Indicates that the previously reported detection limit or sample result has been rejected due to a significant deficiency in the data generation process. The data should not be used for any qualitative or quantitative purposes.
ns = No standard. Value is not available in TOGS.
* = Laboratory duplicate analysis was outside control limits.
B = Indicates an estimated value between the instrument detection limit and the CLP-required detection limit.
N = Sample matrix spike analysis was outside control limits.
W = Analytical spike (AS) sample analysis recovery criteria for inorganic furnace atomic absorption (AA) analysis is not within the required spike recovery control limits of 85 and 115 percent.
S = The reported value was determined by the Method of Standard Additions.
U = The compound or analyte was not detected at the Pratical Quantitation (PQL), or Method Detection Limit (MDL).

Data in this workbook is taken from the following sources:

1 Blasland, Bouck & Lee, Inc. , February 2002, Draft Site Investigation Summary Report.
2 Blasland, Bouck & Lee, Inc., July 2000, Site Investigation Work Plan.

3 Dames & Moore, June 1993, Interim Report, Tasks 1 through 4 Drainage System Assessment, Job #24707-001-017.

4 Dames & Moore, July 1994, Summary of Investigations.
5 ABB Environmental Services, Inc., September 1997, Investigation Program Report Subsurface Investigation Proposed EVI Facility.

Note:

The source of the data is identified in the source row for each sample.

NYSDEC TOGS 1.1.1 - New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998.

Analytical method information is included in the table headings if available; however, this information was not available for every sample.

Surface Water Samples
Table 4a - Summary of Volatile Organic Compound (VOC) Results (EPA Method 524.2)
Mohawk River Water Quality

Analyte		**Sample Collection Designation & Collection Date**
	NYSDEC	
Sample ID:	TOGS 1.1.1	SICWSP-3
Sample Date:	Class A	7/23/1992
Toluene	5	0.2 J

Results reported in micrograms per Liter (ug/L), or parts per billion (ppb).

Notes:

U = Identifies all compounds that were not detected.

J = The compound or analyte was positively identified, but the associated numerical value is an estimated concentration. This qualifier is used when the data evaluation procedure identifies a deficiency in the data generation process. This qualifier is also used when a compound or analyte is detected at estimated concentrations less than the practical quantitation limit (PQL).

Source: Dames & Moore, June 1993, Interim Report, Tasks 1 through 4 Drainage System Assessment, Job #24707-001-017.

NYSDEC TOGS 1.1.1 - New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998.

Analytical method information is included in the table headings if available; however, this information was not available for every sample.

Groundwater Monitoring Well Data
Table 5a - Historical Monitoring Well Elevation and Measurement Data

Well ID	Date (Note 1)	Top of Well Elevation (Note 2)	Top of PVC Elevation (Note 3)	Depth to Water (Note 4)	Total Well Depth	Depth to LNAPL	LNAPL Thickness	Screen Interval (Note 5)	Water Elevation	Source	Comments
EVIMW-1	6/5/97	230.93	230.37	6.95	19.60	ND	0	NA	223.42	4	
	5/29/01	230.97	230.43	6.42	19.54	NA	0	NA	224.01	1	
EVIMW-2	6/5/97	226.45	225.72	11.52	18.47	ND	0	NA	214.2	4	
	5/29/01	226.52	225.87	11.59	18.53	NA	0	NA	214.28	1	
EVIMW-3	6/5/97	226.19	225.6	12.61	19.50	ND	0	NA	212.99	4	
	5/29/01	226.23	225.64	12.7	19.59	NA	0	NA	212.94	1	
EVIMW-4	6/5/97	226.73	226.46	11.35	19.73	ND	0	NA	215.11	4	
	5/29/01	226.80	226.53	11.09	19.73	NA	0	NA	215.44	1	
EVIMW-5	6/5/97	225.14	224.89	9.79	17.75	ND	0	NA	215.1	4	
	5/29/01	225.21	224.95	9.45	17.85	NA	0	NA	215.5	1	
EVIMW-6	6/5/97	228.44	228.09	10.91	18.65	ND	0	NA	217.18	4	
	5/29/01	228.46	228.13	11.08	19.07	NA	0	NA	217.05	1	Absorbent pad removed prior to measurement
EVIMW-7	6/5/97	229.05	228.63	11.6	19.58	ND	0	NA	217.03	4	
	5/29/01	228.78	228.5	11.48	15.91	NA	0	NA	217.02	1	Absorbent pad removed prior to measurement
EVIMW-8	6/5/97	228.72	228.33	13.98	19.61	ND	0	NA	214.35	4	
	5/29/01	228.81	228.43	14.03	19.50	NA	0	NA	214.4	1	
MH-A1	12/5/94	NA	225.68	15.57	NA	Sheen	Sheen	NA	210.11	5	
	12/12/94	NA	225.68	15.11	NA	Trace	Trace	NA	210.57	5	
	12/21/94	NA	225.68	15.56	NA	Trace	Trace	NA	210.12	5	
	12/28/94	NA	225.68	15.5	NA	Trace	Trace	NA	210.18	5	
MW-1	11/6/92	224.55	225.03	11.34	20.00	ND	0	10.0 - 20.0	213.69	2	
	2/26/93	224.55	225.03	15.3	20.00	14.78	0.52	10.0 - 20.0	210.2	2	
	8/3/93	224.55	225.03	13.32	20.00	12.52	0.80	10.0 - 20.0	212.43	2	
	4/4/94	224.55	225.03	NA	20.00	NA	NA	10.0 - 20.0	NA	2	
	5/3/94	224.55	225.03	13.7	20.00	13.30	0.40	10.0 - 20.0	211.96	2	
	12/5/94	224.55	225.03	15.87	20.00	14.68	1.19	10.0 - 20.0	210.5	5	
	12/12/94	224.55	225.03	14.46	20.00	14.22	0.24	10.0 - 20.0	211.06	5	
	12/21/94	224.55	225.03	14.96	20.00	14.61	0.35	10.0 - 20.0	210.66	5	
	12/28/94	224.55	225.03	14.83	20.00	14.76	0.07	10.0 - 20.0	210.53	5	

All results reported in feet (ft).

See notes on page 14.

Groundwater Monitoring Well Data
Table 5a - Historical Monitoring Well Elevation and Measurement Data

Well ID	Date (Note 1)	Top of Well Elevation (Note 2)	Top of PVC Elevation (Note 3)	Depth to Water (Note 4)	Total Well Depth	Depth to LNAPL	LNAPL Thickness	Screen Interval (Note 5)	Water Elevation	Source	Comments
MW-2	8/9/93	225.25	224.8	11.58	21.00	ND	0	11.0 - 21.0	213.22	2	
	4/4/94	225.25	224.8	9.69	21.00	ND	0	11.0 - 21.0	215.11	2	
	5/3/93	225.25	224.8	11.2	21.00	ND	sheen	11.0 - 21.0	213.6	2	
	12/5/94	225.25	224.8	12.73	21.00	12.50	0.23	11.0 - 21.0	212.28	5	
	12/12/94	225.25	224.8	12.56	21.00	12.41	0.15	11.0 - 21.0	212.38	5	
	12/21/94	225.25	224.8	12.66	21.00	12.49	0.17	11.0 - 21.0	212.29	5	
	12/28/94	225.25	224.8	12.61	21.00	12.44	0.17	11.0 - 21.0	212.34	5	
	5/29/01	225.25	224.81	11.76	20.19	NA	0	11.0 - 21.0	213.05	2	
MW-3	11/11/92	226.65	226.14	13.17	23.00	ND	0	13.0 - 23.0	212.97	2	
	11/11/92	226.65	226.14	13.15	23.00	ND	0	13.0 - 23.0	212.99	2	
	11/11/92	226.65	226.14	13.21	23.00	ND	0	13.0 - 23.0	212.93	2	
	11/12/92	226.65	226.14	12.89	23.00	sheen	sheen	13.0 - 23.0	213.25	2	
	11/12/92	226.65	226.14	12.87	23.00	ND	0	13.0 - 23.0	213.27	2	
	11/12/92	226.65	226.14	12.78	23.00	ND	0	13.0 - 23.0	213.36	2	
	11/12/92	226.65	226.14	12.62	23.00	ND	0	13.0 - 23.0	213.52	2	
	11/13/92	226.65	226.14	12.62	23.00	ND	0	13.0 - 23.0	213.52	2	
	11/13/92	226.65	226.14	12.68	23.00	ND	0	13.0 - 23.0	213.46	2	
	11/13/92	226.65	226.14	12.72	23.00	ND	0	13.0 - 23.0	213.42	2	
	11/13/92	226.65	226.14	12.87	23.00	ND	0	13.0 - 23.0	213.27	2	
	11/16/92	226.65	226.14	12.87	23.00	ND	0	13.0 - 23.0	213.27	2	
	11/17/92	226.65	226.14	13.25	23.00	13.24	0.01	13.0 - 23.0	212.9	2	
	8/9/93	226.65	226.14	13.53	23.00	ND	0	13.0 - 23.0	212.61	2	
	4/4/94	226.65	226.14	11.12	23.00	ND	0	13.0 - 23.0	215.02	2	
	5/3/94	226.65	226.14	13.7	23.00	ND	0	13.0 - 23.0	212.44	2	
	12/5/94	226.65	226.14	15.89	23.00	15.72	0.17	13.0 - 23.0	210.4	5	
	12/12/94	226.65	226.14	15.35	23.00	NA	0	13.0 - 23.0	210.79	5	
	12/21/94	226.65	226.14	15.83	23.00	15.80	0.03	13.0 - 23.0	210.34	5	
	12/28/94	226.65	226.14	15.67	23.00	NA	0	13.0 - 23.0	210.47	5	
	5/29/01	226.65	226.14	13.53	22.62	NA	0	13.0 - 23.0	212.61	2	Absorbent pad removed prior to measurement

All results reported in feet (ft).

See notes on page 14.

Groundwater Monitoring Well Data

Table 5a - Historical Monitoring Well Elevation and Measurement Data

Well ID	Date (Note 1)	Top of Well Elevation (Note 2)	Top of PVC Elevation (Note 3)	Depth to Water (Note 4)	Total Well Depth	Depth to LNAPL	LNAPL Thickness	Screen Interval (Note 5)	Water Elevation	Source	Comments
MW-4	11/6/92	227.28	226.8	14.23	24.00	12.93	1.30	14.0 - 24.0	213.75	2	
	11/10/92	227.28	226.8	14.58	24.00	13.61	0.97	14.0 - 24.0	213.1	2	
	11/11/92	227.28	226.8	15.25	24.00	13.21	2.04	14.0 - 24.0	213.4	2	
	11/11/92	227.28	226.8	14.46	24.00	13.69	0.77	14.0 - 24.0	213.04	2	
	11/11/92	227.28	226.8	14.34	24.00	13.51	0.83	14.0 - 24.0	213.21	2	
	11/12/92	227.28	226.8	14.16	24.00	13.22	0.94	14.0 - 24.0	213.49	2	
	11/12/92	227.28	226.8	14.23	24.00	13.16	1.07	14.0 - 24.0	213.54	2	
	11/12/92	227.28	226.8	13.59	24.00	13.12	0.47	14.0 - 24.0	213.64	2	
	11/12/92	227.28	226.8	13.44	24.00	12.86	0.58	14.0 - 24.0	213.89	2	
	11/13/92	227.28	226.8	13.2	24.00	13.16	0.04	14.0 - 24.0	213.64	2	
	11/13/92	227.28	226.8	13.72	24.00	13.32	0.40	14.0 - 24.0	213.44	2	
	11/13/92	227.28	226.8	13.77	24.00	13.24	0.53	14.0 - 24.0	213.51	2	
	11/13/92	227.28	226.8	14.28	24.00	13.45	0.83	14.0 - 24.0	213.27	2	
	11/16/92	227.28	226.8	14.52	24.00	13.34	1.18	14.0 - 24.0	213.35	2	
	11/17/92	227.28	226.8	15.2	24.00	13.51	1.69	14.0 - 24.0	213.13	2	
	2/26/93	227.28	226.8	16.5	24.00	16.10	0.40	14.0 - 24.0	210.66	2	
	8/9/93	227.28	226.8	16.25	24.00	13.75	2.50	14.0 - 24.0	212.82	2	
	4/4/93	227.28	226.8	NA	24.00	NA	0	14.0 - 24.0	NA	2	
	5/3/94	227.28	226.8	16.5	24.00	14.55	1.95	14.0 - 24.0	210.7	2	
	12/5/94	227.28	226.8	16.97	24.00	15.79	1.18	14.0 - 24.0	210.89	5	
	12/12/94	227.28	226.8	15.93	24.00	15.78	0.15	14.0 - 24.0	211.01	5	
	12/21/94	227.28	226.8	16.49	24.00	16.08	0.41	14.0 - 24.0	210.68	5	
MW-5	8/9/93	227.28	226.8	13.91	24.00	ND	0	14.0 - 24.0	215.02	2	
	4/4/94	227.28	226.8	11.29	24.00	ND	0	14.0 - 24.0	212.44	2	
	5/3/94	227.28	226.8	14.25	24.00	ND	0	14.0 - 24.0	212.25	2	
	12/28/94	227.28	226.8	16.24	24.00	15.89	0.35	14.0 - 24.0	210.88	5	
	5/29/01	227.28	226.8	14.86	20.28	NA	0	14.0 - 24.0	226.8	2	Absorbent pad removed prior to measurement
	12/5/94	227.29	226.5	16.1	25.00	NA	0	15.0 - 25.0	210.4	5	
	12/12/94	227.29	226.5	15.7	25.00	NA	0	15.0 - 25.0	210.8	5	

All results reported in feet (ft).

See notes on page 14.

Groundwater Monitoring Well Data
Table 5a - Historical Monitoring Well Elevation and Measurement Data

Well ID	Date (Note 1)	Top of Well Elevation (Note 2)	Top of PVC Elevation (Note 3)	Depth to Water (Note 4)	Total Well Depth	Depth to LNAPL	LNAPL Thickness	Screen Interval (Note 5)	Water Elevation	Source	Comments
MW-5	12/21/94	227.29	226.5	16.12	25.00	NA	0	15.0 - 25.0	210.38	5	
	12/28/94	227.29	226.5	16	25.00	NA	0	15.0 - 25.0	210.5	5	
	5/29/01	227.29	226.5	NA	25.00	NA	0	15.0 - 25.0	NA	2	Well covered with gravel.
MW-6	4/4/94	225.71	225.46	10.34	34.50	ND	0	29.5 - 34.5	215.37	2	
	5/3/94	225.71	225.46	13.17	34.50	ND	0	29.5 - 34.5	212.54	2	
	12/5/94	225.71	225.46	14.81	34.50	NA	0	29.5 - 34.5	210.90	5	
	12/12/94	225.71	225.46	14.60	24.50	NA	0	29.5 - 34.5	211.11	5	
MW-6	12/21/94	225.71	225.46	14.94	24.50	NA	0	29.5 - 34.5	210.77	5	
	12/28/94	225.71	225.46	14.75	24.50	NA	0	29.5 - 34.5	210.96	5	
	5/29/01	225.71	225.46	12.85	33.89	NA	0	29.5 - 34.5	212.61	2	
MW-7	4/4/94	225.99	225.62	11.61	18.50	ND	0	8.5 - 18.5	214.38	2	
	5/3/94	225.99	225.62	12.79	18.50	ND	0	8.5 - 18.5	211.87	2	
	12/5/94	225.99	225.62	13.76	18.50	NA	0	8.5 - 18.5	210.9	5	
	12/12/94	225.99	225.62	13.53	18.50	NA	0	8.5 - 18.5	211.13	5	
	12/21/94	225.99	225.62	12.97	18.50	NA	0	8.5 - 18.5	211.69	5	
	12/28/94	225.99	225.62	12.94	18.50	NA	0	8.5 - 18.5	211.72	5	
	5/29/01	225.99	225.62	13.18	17.95	NA	0	8.5 - 18.5	212.44	2	
MW-8	4/4/94	227.35	226.98	7.18	12.50	ND	0	5.5 - 12.5	217.48	2	
	5/3/94	227.35	226.98	7.4	12.50	ND	0	5.5 - 12.5	217.8	2	
	12/5/94	227.35	226.98	NA	12.50	NA	NA	5.5 - 12.5	NA	5	
	12/12/94	227.35	226.98	NA	12.50	NA	NA	5.5 - 12.5	NA	5	
	12/21/94	227.35	226.98	NA	12.50	NA	NA	5.5 - 12.5	NA	5	
	12/28/94	227.35	226.98	NA	12.50	NA	NA	5.5 - 12.5	NA	5	
	5/29/01	227.35	226.98	11.29	14.69	NA	0	5.5 - 12.5	215.69	2	
MW-9	4/4/94	225.20	224.78	7.86	16.00	ND	0	6.0 - 16.0	217.34	2	
	5/3/94	225.20	224.78	7.97	16.00	ND	0	6.0 - 16.0	217.23	2	
	12/5/94	225.20	224.78	NA	16.00	NA	NA	6.0 - 16.0	NA	5	
	12/12/94	225.20	224.78	NA	16.00	NA	NA	6.0 - 16.0	NA	5	
	12/21/94	225.20	224.78	NA	16.00	NA	NA	6.0 - 16.0	NA	5	

All results reported in feet (ft).

See notes on page 14.

Groundwater Monitoring Well Data
Table 5a - Historical Monitoring Well Elevation and Measurement Data

Well ID	Date (Note 1)	Top of Well Elevation (Note 2)	Top of PVC Elevation (Note 3)	Depth to Water (Note 4)	Total Well Depth	Depth to LNAPL	LNAPL Thickness	Screen Interval (Note 5)	Water Elevation	Source	Comments
MW-9	12/28/94	225.20	224.78	NA	16.00	NA	NA	6.0 - 16.0	NA	5	
	5/29/01	225.20	224.78	NA	16.00	NA	0	6.0 - 16.0	NA	2	Well not accessible (under stock in Building 324).
MW-10	4/4/94	227.19	226.81	11.62	34.00	ND	0	31.0 - 34.0	215.57	2	
	5/3/94	227.19	226.81	14.43	34.00	ND	0	31.0 - 34.0	212.76	2	
	12/5/94	227.19	226.81	16.24	34.00	NA	0	31.0 - 34.0	210.95	5	
	12/12/94	227.19	226.81	15.92	34.00	NA	0	31.0 - 34.0	211.27	5	
	12/21/94	227.19	226.81	16.34	34.00	NA	0	31.0 - 34.0	210.85	5	
	12/28/94	227.19	226.81	16.19	34.00	NA	0	31.0 - 34.0	211.00	5	
	5/29/01	227.19	226.81	NA	34.00	NA	0	31.0 - 34.0	NA	2	Magnetic pressure gauge connected in well.
MW-11	4/4/94	226.28	225.89	10.11	17.00	ND	0	7.0 - 17.0	216.17	2	
	5/3/94	226.28	225.89	10.44	17.00	ND	0	7.0 - 17.0	215.84	2	
	12/5/94	226.28	225.89	11.59	17.00	NA	0	7.0 - 17.0	214.69	5	
	12/12/94	226.28	225.89	NA	17.00	NA	NA	7.0 - 17.0	NA	5	
	12/21/94	226.28	225.89	11.19	17.00	NA	0	7.0 - 17.0	215.09	5	
	12/28/94	226.28	225.89	11.25	17.00	NA	0	7.0 - 17.0	215.03	5	
	5/29/01	226.28	225.89	10.39	16.40	NA	0	7.0 - 17.0	215.5	2	
MW-12	4/4/94	224.69	224.33	7.14	15.50	ND	0	5.5 - 15.5	217.55	2	
	5/3/94	224.69	224.33	6.66	15.50	ND	0	5.5 - 15.5	218.03	2	
	12/5/94	224.69	224.33	NA	15.50	NA	NA	5.5 - 15.5	NA	5	
	12/12/94	224.69	224.33	NA	15.50	NA	NA	5.5 - 15.5	NA	5	
	12/21/94	224.69	224.33	NA	15.50	NA	NA	5.5 - 15.5	NA	5	
	12/28/94	224.69	224.33	NA	15.50	NA	NA	5.5 - 15.5	NA	5	
	6/5/97	224.69	224.33	7.62	15.50	ND	0	5.5 - 15.5	216.71	4	
	5/29/01	224.69	224.33	7.94	14.91	NA	0	5.5 - 15.5	216.39	2	Absorbent pad removed prior to measurement
MW-12D	5/29/01	225.24	224.62	8.37	15.74	NA	0	NA	216.25	2	Absorbent pad removed prior to measurement
MW-13	5/29/01	225.49	225.07	7.54	16.40	NA	0	NA	217.53	2	
MW-14	5/29/01	225.82	225.35	7.74	15.57	NA	0	NA	217.61	2	
MW-15	5/29/01	226.83	226.39	8.73	14.49	NA	0	NA	217.66	2	
MW-16	5/29/01	225.02	224.63	7.17	15.29	NA	0	NA	217.46	2	Absorbent pad removed prior to measurement

All results reported in feet (ft).

See notes on page 14.

Groundwater Monitoring Well Data
Table 5a - Historical Monitoring Well Elevation and Measurement Data

Well ID	Date (Note 1)	Top of Well Elevation (Note 2)	Top of PVC Elevation (Note 3)	Depth to Water (Note 4)	Total Well Depth	Depth to LNAPL	LNAPL Thickness	Screen Interval (Note 5)	Water Elevation	Source	Comments
MW-17	11/23/99	229.76	229.27	NA	18.44	NA	0	9.54 - 19.54	NA	4	
	5/29/01	229.76	229.27	9.83	18.44	NA	0	9.54 - 19.54	219.44	4	Absorbent pad removed prior to measurement
MW-18	11/15-16/99	230.00	229.76	NA	19.85	NA	0	9.93 - 19.93	NA	4	
	5/29/01	230.00	229.76	11.53	19.85	NA	0	9.93 - 19.93	218.23	4	
MW-19	11/29/99	231.80	230.84	NA	20.04	NA	0	10.03 - 20.03	NA	4	
	5/29/01	231.80	230.84	12.56	20.04	NA	0	10.03 - 20.03	218.28	4	Well not accessible (covered with steel).
MW-20	11/22/99	230.26	229.82	NA	19.86	NA	0	9.93 - 19.93	NA	4	
MW-20	5/29/01	230.26	229.82	12.69	19.86	NA	0	9.93 - 19.93	217.13	4	
MW-21	11/23/99	227.99	227.72	NA	18.80	NA	0	10.1 - 20.1	NA	4	
	5/29/01	227.99	227.72	2.82	18.80	NA	0	10.1 - 20.1	224.9	4	
MW-22	11/29/99	231.24	230.84	NA	17.22	NA	NA	7.75 - 17.75	NA	4	
	5/29/01	231.24	230.84	6.18	17.22	NA	NA	7.75 - 17.75	224.66	4	
MW-23	11/24/99	228.87	228.4	NA	19.82	NA	NA	9.9 - 19.9	NA	4	
	5/29/01	228.87	228.4	15.45	19.82	NA	NA	9.9 - 19.9	212.95	4	
MW-24	11/19/99	225.97	225.62	NA	19.25	NA	NA	9.33 - 19.33	NA	4	
	5/29/01	225.97	225.62	13.04	19.25	NA	NA	9.33 - 19.33	212.58	4	
MW-25	11/17/99	226.33	225.79	NA	19.46	NA	NA	9.58 - 19.58	NA	4	
	5/29/01	226.33	225.79	11.88	19.46	NA	NA	9.58 - 19.58	2132.91	4	
MW-26	11/17/99	226.27	225.62	NA	19.97	NA	NA	10.03 - 20.03	NA	4	
	5/29/01	226.27	225.62	11.68	19.97	NA	NA	10.03 - 20.03	213.94	4	
MW-27	11/18/99	227.87	227.53	NA	19.94	NA	NA	10.0 - 20.0	NA	4	
	5/29/01	227.87	227.53	13.98	19.94	NA	NA	10.0 - 20.0	213.55	4	
MW-28	11/18/99	226.85	226.23	NA	19.86	NA	NA	10.0 - 20.0	NA	4	
	5/29/01	226.85	226.23	13.08	19.86	NA	NA	10.0 - 20.0	213.15	4	
MW-29	11/22/99	224.75	223.87	NA	17.26	NA	NA	8.02 - 18.02	NA	4	
	5/29/01	224.75	223.87	4.1	17.26	NA	NA	8.02 - 18.02	219.77	4	
MW-30	11/19/99	225.81	225.41	NA	18.48	NA	NA	10.0 - 20.0	NA	4	
	5/29/01	225.81	225.41	5.79	18.48	NA	NA	10.0 - 20.0	219.62	4	
MW-31	11/30/99	225.38	225.11	NA	18.91	NA	NA	9.01 - 19.01	NA	4	

All results reported in feet (ft).

See notes on page 14.

Groundwater Monitoring Well Data
Table 5a - Historical Monitoring Well Elevation and Measurement Data

Well ID	Date (Note 1)	Top of Well Elevation (Note 2)	Top of PVC Elevation (Note 3)	Depth to Water (Note 4)	Total Well Depth	Depth to LNAPL	LNAPL Thickness	Screen Interval (Note 5)	Water Elevation	Source	Comments
MW-31	5/29/01	225.38	225.11	7.83	18.91	NA	NA	9.01 - 19.01	217.28	4	
MW-32	11/8/00	226.90	226.22	NA	16.45	NA	NA	7.0 - 17.0	NA	4	
	5/29/01	226.90	226.22	7.43	16.45	NA	NA	7.0 - 17.0	218.79	3	Absorbent pad removed prior to measurement
MW-33	11/13/00	228.16	227.54	NA	17.47	NA	NA	8.0 - 18.0	NA	4	
	5/29/01	228.16	227.54	9.84	17.47	NA	NA	8.0 - 18.0	217.7	3	
MW-34	11/9/00	225.35	224.75	NA	15.77	NA	NA	6.0 - 16.0	NA	4	
	5/29/01	225.35	224.75	7.52	15.77	NA	NA	6.0 - 16.0	217.23	3	
MW-35	11/13/00	224.53	223.82	NA	15.96	NA	NA	6.0 - 16.0	NA	4	
	5/29/01	224.53	223.82	8.02	15.96	7.29	0.73	6.0 - 16.0	215.8	3	Absorbent pad removed prior to measurement
MW-36	5/29/01	225.02	224.54	NA	16.00	NA	NA	6.0 - 16.0	NA	3	Well not accessible (Covered by dumpster).
MW-36A	11/10/00	226.12	225.54	NA	16.57	NA	NA	7.0 - 17.0	NA	4	
	5/29/01	226.12	225.54	8.34	16.57	NA	NA	7.0 - 17.0	217.20	3	
MW-37	11/10/00	224.99	224.53	NA	15.79	NA	NA	7.0 - 17.0	NA	4	
	5/29/01	224.99	224.53	7.92	15.79	7.91	0.01	7.0 - 17.0	NA	3	
MW-38	11/9/00	226.88	226.30	NA	13.92	NA	NA	4.0 - 14.0	NA	4	
	5/29/01	226.88	226.30	7.28	13.92	NA	NA	4.0 - 14.0	219.02	3	
MW-39	11/9/00	225.63	225.14	NA	13.81	NA	NA	4.0 - 14.0	NA	4	
	5/29/01	225.63	225.14	5.84	13.81	NA	NA	4.0 - 14.0	219.3	3	
MW-40	11/8/00	229.98	229.42	NA	19.64	NA	NA	10.0 - 20.0	NA	4	
	5/29/01	229.98	229.42	13.82	19.64	NA	NA	10.0 - 20.0	215.6	3	
MW-41	11/10/00	225.75	225.09	NA	15.84	NA	NA	6.0 - 16.0	NA	4	
	5/29/01	225.75	225.09	7.71	15.84	NA	NA	6.0 - 16.0	217.38	3	Absorbent pad removed prior to measurement
MW-42	11/9/00	225.68	225.38	NA	15.86	NA	NA	6.0 - 16.0	NA	4	
	5/29/01	225.68	225.38	8.33	15.86	NA	NA	6.0 - 16.0	217.05	3	
MW-43	11/14/00	226.96	226.33	NA	21.38	NA	NA	11.0 - 21.0	NA	4	
	5/29/01	229.96	226.33	14.93	21.38	NA	NA	11.0 - 21.0	211.4	3	
MW-44	11/15/00	224.70	223.81	NA	16.64	NA	NA	7.0 - 17.0	NA	4	
	5/29/01	224.70	223.81	3.42	16.64	NA	NA	7.0 - 17.0	220.39	3	Absorbent pad removed prior to measurement
MW-45	11/15/00	225.72	225.01	NA	19.38	NA	NA	7.0 - 17.0	NA	4	

All results reported in feet (ft).

See notes on page 14.

Groundwater Monitoring Well Data
Table 5a - Historical Monitoring Well Elevation and Measurement Data

Well ID	Date (Note 1)	Top of Well Elevation (Note 2)	Top of PVC Elevation (Note 3)	Depth to Water (Note 4)	Total Well Depth	Depth to LNAPL	LNAPL Thickness	Screen Interval (Note 5)	Water Elevation	Source	Comments
MW-45	5/29/01	225.72	225.01	12.16	19.38	NA	NA	7.0 - 17.0	212.85	3	Absorbent pad removed prior to measurement
MW-46	5/23/01	231.67	231.19	NA	43.04	NA	NA	33.0 - 43.0	NA	4	
	5/29/01	231.67	231.19	23.89	43.04	NA	NA	33.0 - 43.0	207.3	3	
MW-47	5/21/01	224.98	224.73	NA	53.09	NA	NA	45.2 - 55.2	NA	4	
	5/29/01	224.98	224.73	11.04	53.09	NA	NA	45.2 - 55.2	213.69	3	
MW-48	5/22/01	225.18	224.98	NA	65.34	NA	NA	55.0 - 65.0	NA	4	
	5/29/01	225.18	224.98	11.53	65.34	NA	NA	55.0 - 65.0	213.45	3	
P-1	11/5/92	226.51	228.27	14.19	22.0	skim	skim	12.0 - 22.0	214.08	2	
	11/10/92	226.51	228.27	14.77	22.0	ND	0	12.0 - 22.0	213.5	2	
	11/11/92	226.51	228.27	14.69	22.0	ND	0	12.0 - 22.0	213.58	2	
	11/11/92	226.51	228.27	14.78	22.0	ND	0	12.0 - 22.0	213.49	2	
	11/11/92	226.51	228.27	14.76	22.0	ND	0	12.0 - 22.0	213.51	2	
	11/12/92	226.51	228.27	14.54	22.0	ND	0	12.0 - 22.0	213.73	2	
	11/12/92	226.51	228.27	14.56	22.0	ND	0	12.0 - 22.0	213.71	2	
	11/12/92	226.51	228.27	14.44	22.0	ND	0	12.0 - 22.0	213.83	2	
	11/12/92	226.51	228.27	14.26	22.0	ND	0	12.0 - 22.0	214.01	2	
	11/13/92	226.51	228.27	14.39	22.0	ND	0	12.0 - 22.0	213.88	2	
	11/13/92	226.51	228.27	14.65	22.0	ND	0	12.0 - 22.0	213.62	2	
	11/13/92	226.51	228.27	14.52	22.0	ND	0	12.0 - 22.0	213.75	2	
	11/13/92	226.51	228.27	14.62	22.0	ND	0	12.0 - 22.0	213.65	2	
	11/16/92	226.51	228.27	14.6	22.0	ND	0	12.0 - 22.0	213.67	2	
	11/17/92	226.51	228.27	14.82	22.0	ND	0	12.0 - 22.0	213.45	2	
	2/26/93	226.51	228.27	16.9	22.0	ND	0	12.0 - 22.0	211.37	2	
	8/9/93	226.51	228.27	15.27	22.0	ND	0	12.0 - 22.0	213	2	
	4/4/94	226.51	228.27	13.45	22.0	ND	0	12.0 - 22.0	214.82	2	
	5/3/94	226.51	228.27	13.98	22.0	ND	0	12.0 - 22.0	214.29	2	
	12/5/94	226.51	228.27	16.73	22.0	Sheen	Sheen	12.0 - 22.0	211.54	5	
	12/12/94	226.51	228.27	16.5	22.0	Sheen	Sheen	12.0 - 22.0	211.77	5	
	12/21/94	226.51	228.27	16.68	22.0	Sheen	Sheen	12.0 - 22.0	211.59	5	

All results reported in feet (ft).

See notes on page 14.

Groundwater Monitoring Well Data
Table 5a - Historical Monitoring Well Elevation and Measurement Data

Well ID	Date (Note 1)	Top of Well Elevation (Note 2)	Top of PVC Elevation (Note 3)	Depth to Water (Note 4)	Total Well Depth	Depth to LNAPL	LNAPL Thickness	Screen Interval (Note 5)	Water Elevation	Source	Comments
P-1	12/28/94	226.51	228.27	16.49	22.0	Sheen	Sheen	12.0 - 22.0	211.78	5	
P-2	11/12/92	226.75	228.99	21.95	20.0	ND	0	19.0 - 20.0	SSD	2	
	11/12/92	226.75	228.99	18.32	20.0	ND	0	19.0 - 20.0	SSD	2	
	11/13/92	226.75	228.99	14.73	20.0	ND	0	19.0 - 20.0	SSD	2	
	11/13/92	226.75	228.99	14.73	20.0	ND	0	19.0 - 20.0	SSD	2	
	11/13/92	226.75	228.99	14.72	20.0	ND	0	19.0 - 20.0	SSD	2	
	11/13/92	226.75	228.99	14.73	20.0	ND	0	19.0 - 20.0	SSD	2	
	11/16/92	226.75	228.99	14.74	20.0	ND	0	19.0 - 20.0	SSD	2	
	11/17/92	226.75	228.99	14.75	20.0	ND	0	19.0 - 20.0	SSD	2	
	2/26/93	226.75	228.99	15.25	20.0	ND	0	19.0 - 20.0	211.5	2	
	8/9/93	226.75	228.99	14.92	20.0	ND	0	19.0 - 20.0	211.83	2	
	4/4/94	226.75	228.99	14.16	20.0	ND	0	19.0 - 20.0	214.83	2	
	5/3/94	226.75	228.99	14.6	20.0	ND	0	19.0 - 20.0	214.39	2	
	12/5/94	226.75	228.99	15.88	20.0	NA	0	19.0 - 20.0	213.11	5	
	12/12/94	226.75	228.99	15.71	20.0	NA	0	19.0 - 20.0	213.38	5	
	12/21/94	226.75	228.99	15.79	20.0	15.38	0	19.0 - 20.0	213.2	5	
	12/28/94	226.75	228.99	15.72	20.0	15.27	0	19.0 - 20.0	213.27	5	
P-3	11/12/92	227.18	228.98	15.52	20.0	15.37	0.15	10.0 - 20.0	213.6	2	
	11/13/92	227.18	228.98	15.78	20.0	15.46	0.32	10.0 - 20.0	213.49	2	
	11/13/92	227.18	228.98	15.95	20.0	15.57	0.38	10.0 - 20.0	213.37	2	
	11/13/92	227.18	228.98	15.98	20.0	15.62	0.36	10.0 - 20.0	213.33	2	
	11/13/92	227.18	228.98	16.12	20.0	15.80	0.32	10.0 - 20.0	213.15	2	
	11/16/92	227.18	228.98	15.92	20.0	15.77	0.15	10.0 - 20.0	213.2	2	
	11/17/92	227.18	228.98	16.38	20.0	16.13	0.25	10.0 - 20.0	212.83	2	
	2/26/93	227.18	228.98	18.85	20.0	18.54	0.31	10.0 - 20.0	210.41	2	
	8/9/93	227.18	228.98	16.59	20.0	16.50	0.09	10.0 - 20.0	212.47	2	
	4/4/94	227.18	228.98	13.97	20.0	13.92	0.05	10.0 - 20.0	215.06	2	
	5/3/94	227.18	228.98	16.8	20.0	ND	0	10.0 - 20.0	212.18	2	
	12/5/94	227.18	228.98	18.68	20.0	Trace	Trace	10.0 - 20.0	210.3	5	

All results reported in feet (ft).

See notes on page 14.

Groundwater Monitoring Well Data
Table 5a - Historical Monitoring Well Elevation and Measurement Data

Well ID	Date (Note 1)	Top of Well Elevation (Note 2)	Top of PVC Elevation (Note 3)	Depth to Water (Note 4)	Total Well Depth	Depth to LNAPL	LNAPL Thickness	Screen Interval (Note 5)	Water Elevation	Source	Comments
P-3	12/12/94	227.18	228.98	18.19	20.0	Trace	Trace	10.0 - 20.0	210.79	5	
	12/21/94	227.18	228.98	18.66	20.0	Trace	Trace	10.0 - 20.0	210.32	5	
	12/28/94	227.18	228.98	18.47	20.0	Trace	Trace	10.0 - 20.0	210.51	5	
P-4	11/13/92	226.78	226.49	12.49	15.0	ND	0	10.0 - 15.0	214	2	
	11/16/92	226.78	226.49	12.39	15.0	ND	0	10.0 - 15.0	214.1	2	
	11/17/92	226.78	226.49	12.42	15.0	ND	0	10.0 - 15.0	214.07	2	
	8/9/93	226.78	226.49	12.6	15.0	ND	0	10.0 - 15.0	213.89	2	
	4/4/94	226.78	226.49	11.66	15.0	ND	0	10.0 - 15.0	214.83	2	
	5/3/94	226.78	226.49	12.19	15.0	ND	0	10.0 - 15.0	214.3	2	
	12/5/94	226.78	226.49	12.89	15.0	NA	0	10.0 - 15.0	213.6	5	
	12/12/94	226.78	226.49	12.68	15.0	NA	0	10.0 - 15.0	213.81	5	
	12/21/94	226.78	226.49	18.66	15.0	NA	0	10.0 - 15.0	213.54	5	
	12/28/94	226.78	226.49	12.97	15.0	NA	0	10.0 - 15.0	213.52	5	
P-5	11/12/92	226.52	226.28	12.68	20.0	ND	0	10.0 - 20.0	213.6	2	
	8/9/93	226.52	226.28	13.65	20.0	ND	0	10.0 - 20.0	212.63	2	
	4/4/94	226.52	226.28	11.24	20.0	ND	0	10.0 - 20.0	215.04	2	
	5/3/94	226.52	226.28	13.74	20.0	ND	0	10.0 - 20.0	212.54	2	
	12/5/94	226.52	226.28	15.98	20.0	NA	0	10.0 - 20.0	210.3	5	
	12/12/94	226.52	226.28	15.5	20.0	NA	0	10.0 - 20.0	210.78	5	
	12/21/94	226.52	226.28	15.16	20.0	NA	0	10.0 - 20.0	211.12	5	
	12/28/94	226.52	226.28	15.04	20.0	NA	0	10.0 - 20.0	211.24	5	
P-6	11/12/92	226.20	225.85	12.27	20.0	ND	0	10.0 - 20.0	213.58	2	
	8/9/93	226.20	225.85	13.29	20.0	ND	0	10.0 - 20.0	212.56	2	
	4/4/94	226.20	225.85	10.79	20.0	ND	0	10.0 - 20.0	215.06	2	
	5/3/94	226.20	225.85	15.15	20.0	ND	0	10.0 - 20.0	210.7	2	
	12/5/94	226.20	225.85	15.4	20.0	NA	0	10.0 - 20.0	210.45	5	
	12/12/94	226.20	225.85	NA	20.0	NA	NA	10.0 - 20.0	NA	5	
	12/21/94	226.20	225.85	12.43	20.0	Sheen	Sheen	10.0 - 20.0	213.42	5	
	12/28/94	226.20	225.85	12.06	20.0	12.05	0.01	10.0 - 20.0	213.8	5	

All results reported in feet (ft).

See notes on page 14.

Groundwater Monitoring Well Data
Table 5a - Historical Monitoring Well Elevation and Measurement Data

Well ID	Date (Note 1)	Top of Well Elevation (Note 2)	Top of PVC Elevation (Note 3)	Depth to Water (Note 4)	Total Well Depth	Depth to LNAPL	LNAPL Thickness	Screen Interval (Note 5)	Water Elevation	Source	Comments
P-7	11/12/92	226.02	225.57	11.93	20.0	ND	0	10.0 - 20.0	213.64	2	
	8/9/93	226.02	225.57	11.8	20.0	ND	0	10.0 - 20.0	213.77	2	
	4/4/94	226.02	225.57	9.95	20.0	ND	0	10.0 - 20.0	215.62	2	
	5/3/94	226.02	225.57	10.6	20.0	ND	0	10.0 - 20.0	214.97	2	
	12/5/94	226.02	225.57	13.22	20.0	NA	0	10.0 - 20.0	212.35	5	
	12/12/94	226.02	225.57	12.86	20.0	NA	0	10.0 - 20.0	212.71	5	
	12/21/94	226.02	225.57	12.56	20.0	NA	0	10.0 - 20.0	213.01	5	
	12/28/94	226.02	225.57	12.4	20.0	Sheen	Sheen	10.0 - 20.0	213.17	5	
P-8	11/12/92	225.91	225.61	11.92	20.3	ND	0	10.3 - 20.3	213.69	2	
	8/9/93	225.91	225.61	11.9	20.3	ND	0	10.3 - 20.3	213.71	2	
	4/4/94	225.91	225.61	10.09	20.3	ND	0	10.3 - 20.3	215.52	2	
	5/3/94	225.91	225.61	10.8	20.3	ND	0	10.3 - 20.3	214.81	2	
	12/5/94	225.91	225.61	13.27	20.3	NA	0	10.3 - 20.3	212.34	5	
	12/12/94	225.91	225.61	12.92	20.3	NA	0	10.3 - 20.3	212.69	5	
	12/21/94	225.91	225.61	12.64	20.3	Sheen	Sheen	10.3 - 20.3	212.97	5	
	12/28/94	225.91	225.61	12.49	20.3	NA	0	10.3 - 20.3	213.12	5	
P-9	11/12/92	225.74	225.47	12.08	20.2	ND	0	10.2 - 20.2	213.69	2	
	8/9/93	225.74	225.47	12.42	20.2	ND	0	10.2 - 20.2	213.71	2	
	4/4/94	225.74	225.47	10.44	20.2	10.43	0.01	10.2 - 20.2	215.52	2	
	5/3/94	225.74	225.47	12.1	20.2	ND	0	10.2 - 20.2	214.81	2	
	12/5/94	225.74	225.47	13.28	20.2	13.22	0.06	10.2 - 20.2	212.24	5	
	12/12/94	225.74	225.47	13.3	20.2	13.09	0.21	10.2 - 20.2	212.36	5	
P-9	12/21/94	225.74	225.47	13.45	20.2	13.14	0.31	10.2 - 20.2	212.3	5	
	12/28/94	225.74	225.47	13.33	20.2	13.13	0.20	10.2 - 20.2	212.32	5	
P-10	11/12/92	225.56	225.15	9.46	18.0	ND	0	8.0 - 18.0	215.69	2	
	8/9/93	225.56	225.15	8.82	18.0	ND	0	8.0 - 18.0	216.33	2	
	4/4/94	225.56	225.15	8.21	18.0	ND	0	8.0 - 18.0	216.94	2	
	5/3/94	225.56	225.15	8.37	18.0	ND	0	8.0 - 18.0	216.78	2	
	12/5/94	225.56	225.15	9.71	18.0	NA	0	8.0 - 18.0	215.44	5	

All results reported in feet (ft).

See notes on page 14.

Groundwater Monitoring Well Data
Table 5a - Historical Monitoring Well Elevation and Measurement Data

Well ID	Date (Note 1)	Top of Well Elevation (Note 2)	Top of PVC Elevation (Note 3)	Depth to Water (Note 4)	Total Well Depth	Depth to LNAPL	LNAPL Thickness	Screen Interval (Note 5)	Water Elevation	Source	Comments
P-10	12/12/94	225.56	225.15	9.67	18.0	NA	0	8.0 - 18.0	215.48	5	
	12/21/94	225.56	225.15	9.73	18.0	NA	0	8.0 - 18.0	215.42	5	
	12/28/94	225.56	225.15	9.7	18.0	NA	0	8.0 - 18.0	215.45	5	
River	12/5/94	NA	232.01	21.93	NA	NA	0	NA	210.08	5	
	12/12/94	NA	232.01	21.42	NA	NA	0	NA	210.59	5	
	12/21/94	NA	232.01	21.89	NA	Sheen	Sheen	NA	210.12	5	
	12/28/94	NA	232.01	21.85	NA	NA	0	NA	210.16	5	
RW-1	11/12/92	226.34	227.10	13.99	24.0	ND	0	9.0 - 24.0	213.11	2	
	11/11/92	226.34	227.10	13.89	24.0	ND	0	9.0 - 24.0	213.21	2	
	11/11/92	226.34	227.10	13.99	24.0	ND	0	9.0 - 24.0	213.11	2	
	11/11/92	226.34	227.10	13.9	24.0	ND	0	9.0 - 24.0	213.2	2	
	11/12/92	226.34	227.10	13.57	24.0	ND	0	9.0 - 24.0	213.53	2	
	11/12/92	226.34	227.10	13.59	24.0	ND	0	9.0 - 24.0	213.51	2	
	11/12/92	226.34	227.10	13.54	24.0	ND	0	9.0 - 24.0	213.56	2	
	11/12/92	226.34	227.10	13.16	24.0	ND	0	9.0 - 24.0	213.94	2	
	11/13/92	226.34	227.10	13.35	24.0	ND	0	9.0 - 24.0	213.75	2	
	11/13/92	226.34	227.10	13.58	24.0	ND	0	9.0 - 24.0	213.52	2	
	11/13/92	226.34	227.10	13.54	24.0	ND	0	9.0 - 24.0	213.56	2	
	11/13/92	226.34	227.10	13.73	24.0	ND	0	9.0 - 24.0	213.37	2	
	11/16/92	226.34	227.10	13.68	24.0	ND	0	9.0 - 24.0	213.42	2	
	11/17/92	226.34	227.10	13.96	24.0	ND	0	9.0 - 24.0	213.14	2	
	2/26/93	226.34	227.10	16.31	24.0	16.30	0.01	9.0 - 24.0	210.8	2	
	8/9/93	226.34	227.10	14.2	24.0	ND	0	9.0 - 24.0	212.9	2	
	4/4/94	226.34	227.10	12.25	24.0	ND	0	9.0 - 24.0	214.85	2	
	5/3/94	226.34	227.10	14.07	24.0	14.06	0.01	9.0 - 24.0	213.04	2	
	12/5/94	226.34	227.10	16.18	24.0	NA	0	9.0 - 24.0	210.92	5	
	12/12/94	226.34	227.10	15.86	24.0	NA	0	9.0 - 24.0	211.24	5	
	12/21/94	226.34	227.10	16.18	24.0	NA	0	9.0 - 24.0	210.92	5	
	12/28/94	226.34	227.10	15.98	24.0	NA	0	9.0 - 24.0	211.12	5	

All results reported in feet (ft).

See notes on page 14.

Groundwater Monitoring Well Data
Table 5a - Historical Monitoring Well Elevation and Measurement Data

Well ID	Date (Note 1)	Top of Well Elevation (Note 2)	Top of PVC Elevation (Note 3)	Depth to Water (Note 4)	Total Well Depth	Depth to LNAPL	LNAPL Thickness	Screen Interval (Note 5)	Water Elevation	Source	Comments
RW-2	11/5/92	226.55	227.08	13.15	24.0	ND	0	9.0 - 24.0	213.93	2	
	11/10/92	226.55	227.08	13.47	24.0	ND	0	9.0 - 24.0	213.61	2	
	11/11/92	226.55	227.08	13.87	24.0	ND	0	9.0 - 24.0	213.21	2	
	11/11/92	226.55	227.08	13.91	24.0	ND	0	9.0 - 24.0	213.17	2	
	11/11/92	226.55	227.08	13.81	24.0	ND	0	9.0 - 24.0	213.27	2	
	11/12/92	226.55	227.08	13.6	24.0	ND	0	9.0 - 24.0	213.48	2	
	11/12/92	226.55	227.08	13.49	24.0	ND	0	9.0 - 24.0	213.59	2	
	11/12/92	226.55	227.08	13.37	24.0	ND	0	9.0 - 24.0	213.71	2	
	11/12/92	226.55	227.08	13.16	24.0	ND	0	9.0 - 24.0	213.92	2	
	11/13/92	226.55	227.08	13.37	24.0	ND	0	9.0 - 24.0	213.71	2	
	11/13/92	226.55	227.08	13.67	24.0	13.65	0.02	9.0 - 24.0	213.43	2	
	11/13/92	226.55	227.08	13.58	24.0	13.57	0.01	9.0 - 24.0	213.51	2	
	11/13/92	226.55	227.08	13.74	24.0	13.71	0.03	9.0 - 24.0	213.37	2	
	11/16/92	226.55	227.08	13.68	24.0	13.65	0.03	9.0 - 24.0	213.43	2	
	11/17/92	226.55	227.08	14.75	24.0	13.90	0.85	9.0 - 24.0	213.1	2	
	2/26/93	226.55	227.08	16.6	24.0	16.30	0.30	9.0 - 24.0	210.75	2	
	8/9/93	226.55	227.08	14.26	24.0	13.84	0.42	9.0 - 24.0	213.2	2	
	4/4/94	226.55	227.08	12.16	24.0	ND	0	9.0 - 24.0	214.92	2	
	5/3/94	226.55	227.08	13.75	24.0	13.49	0.26	9.0 - 24.0	213.57	2	
	12/5/94	226.55	227.08	15.41	24.0	15.36	0.05	9.0 - 24.0	211.72	5	
	12/12/94	226.55	227.08	16.24	24.0	15.08	1.16	9.0 - 24.0	211.88	5	
	12/21/94	226.55	227.08	16.62	24.0	15.38	1.24	9.0 - 24.0	211.58	5	
	12/28/94	226.55	227.08	16.42	24.0	15.27	1.15	9.0 - 24.0	211.7	5	
RW-3	11/5/92	227.12	228.44	14.61	25.0	ND	0	10.0 - 25.0	213.83	2	
	11/10/92	227.12	228.44	15.07	25.0	15.05	0.02	10.0 - 25.0	213.39	2	
	11/11/92	227.12	228.44	15.11	25.0	15.10	0.01	10.0 - 25.0	213.34	2	
	11/11/92	227.12	228.44	15.21	25.0	15.20	0.01	10.0 - 25.0	213.24	2	
	11/11/92	227.12	228.44	15.17	25.0	15.15	0.02	10.0 - 25.0	213.29	2	
	11/12/92	227.12	228.44	14.93	25.0	14.92	0.01	10.0 - 25.0	213.52	2	

All results reported in feet (ft).

See notes on page 14.

Groundwater Monitoring Well Data
Table 5a - Historical Monitoring Well Elevation and Measurement Data

Well ID	Date (Note 1)	Top of Well Elevation (Note 2)	Top of PVC Elevation (Note 3)	Depth to Water (Note 4)	Total Well Depth	Depth to LNAPL	LNAPL Thickness	Screen Interval (Note 5)	Water Elevation	Source	Comments
RW-3	11/12/92	227.12	228.44	14.88	25.0	14.87	0.01	10.0 - 25.0	213.57	2	
	11/12/92	227.12	228.44	14.88	25.0	14.88	0	10.0 - 25.0	213.56	2	
	11/12/92	227.12	228.44	14.61	25.0	skim	skim	10.0 - 25.0	213.83	2	
	11/13/92	227.12	228.44	14.75	25.0	14.74	0.01	10.0 - 25.0	213.7	2	
	11/13/92	227.12	228.44	15.02	25.0	15.01	0.01	10.0 - 25.0	213.43	2	
	11/13/92	227.12	228.44	14.91	25.0	14.89	0.02	10.0 - 25.0	213.55	2	
	11/13/92	227.12	228.44	15.04	25.0	15.01	0.03	10.0 - 25.0	213.43	2	
	11/16/92	227.12	228.44	15	25.0	14.96	0.04	10.0 - 25.0	213.48	2	
	11/17/92	227.12	228.44	15.23	25.0	15.22	0.01	10.0 - 25.0	213.22	2	
	2/26/93	227.12	228.44	17.8	25.0	17.50	0.30	10.0 - 25.0	210.91	2	
	8/9/93	227.12	228.44	15.48	25.0	15.38	0.10	10.0 - 25.0	213.05	2	
	4/4/94	227.12	228.44	13.47	25.0	ND	0	10.0 - 25.0	214.97	2	
	5/3/94	227.12	228.44	15.48	25.0	15.32	0.16	10.0 - 25.0	213.1	2	
	12/5/94	227.12	228.44	17.21	25.0	16.83	0.38	10.0 - 25.0	211.57	5	
	12/12/94	227.12	228.44	16.94	25.0	16.61	0.33	10.0 - 25.0	211.8	5	
	12/21/94	227.12	228.44	17.31	25.0	16.88	0.43	10.0 - 25.0	211.52	5	
	12/28/94	227.12	228.44	17.15	25.0	16.78	0.37	10.0 - 25.0	211.62	5	
RW-4	11/12/92	225.22	226.01	12.35	20.0	ND	0	10.0 - 20.0	213.66	2	
	2/26/93	225.22	226.01	13.95	20.0	ND	0	10.0 - 20.0	212.06	2	
	8/9/93	225.22	226.01	12.27	20.0	ND	0	10.0 - 20.0	213.74	2	
	4/4/94	225.22	226.01	10.48	20.0	ND	0	10.0 - 20.0	215.53	2	
	5/3/94	225.22	226.01	11.12	20.0	ND	0	10.0 - 20.0	214.89	2	
	12/5/94	225.22	226.01	13.73	20.0	NA	0	10.0 - 20.0	212.28	5	
	12/12/94	225.22	226.01	13.38	20.0	13.38	0	10.0 - 20.0	212.63	5	
	12/21/94	225.22	226.01	13	20.0	Sheen	Sheen	10.0 - 20.0	213.01	5	
	12/28/94	225.22	226.01	12.84	20.0	Sheen	Sheen	10.0 - 20.0	213.17	5	
TMW-35A	5/29/01	NA	NA	11.08	18.59	10.48	0.60	NA	NA	3	No survey.
TMW-35B	5/29/01	NA	NA	10.55	18.65	10.51	0.04	NA	NA	3	No survey.
TMW-45A	5/29/01	226.05	225.96	9.02	16.90	NA	NA	NA	216.94	3	
TMW-45B	5/29/01	225.04	225.01	10.33	16.97	10.01	0.32	NA	214.68	3	

All results reported in feet (ft).

Notes:
NA = Data not available
ND = Not detected
SSD = Site specific datum utilized, top of casing subsequently altered.
LNAPL = Light non-aqueous phase liquid
1. Date of water-level/oil thickness measurement.
2. Flush mount wells installed. Elevation of the top of well is equal to ground surface.
3. All permanent wells shown are constructed with polyvinyl chloride (PVC) risers.
4. Reference point for water-level measurement is top of PVC casing.
5. All permanent wells shown are constructed with PVC well screens with 0.010 slot size.

Groundwater Monitoring Well Data
Table 5b - Vertical Hydraulic Gradient Data

Source:	1	1	1	1	1	1	1
Well ID	Total Well Depth	Water Level	Date Recorded	Top of Well Elevation	Groundwater Elevation	Screen Midpoint Elevation	Vertical Hydraulic Gradient
MW-19 (shallow)	19.97	14.94	12/8/2000	231.8	217.26	216.83	Between MW-19 (shallow) and TMW-19C (mid): 0.49
TMW-19C (deep)	39.33	19.81	12/4/2000	231.52	211.71	197.19	Between TMW-19C (mid) and TMW-19C (deep): 0.19
TMW-19C (mid)	25.97	17.38	12/4/2000	231.66	214.28	210.69	Between MW-19 (shallow) and TMW-19C (deep): 0.28
TMW-19G (shallow)	19.1	10.26	11/8/2000	229.65	219.39	215.55	Between TMW-19G (shallow) and TMW-19G2 (mid): 0.63
TMW-19G2 (mid)	29.32	16.66	12/4/2000	229.65	212.99	205.33	Between TMW-19G (shallow) and TMW-19G3 (deep): 0.37
TMW-19G3 (deep)	39.74	17.9	12/4/2000	229.65	211.75	194.91	Between TMW-19G2 (mid) and TMW-19G3 (deep): 0.12
TMW-19K1 (shallow)	19.91	8.96	11/15/2000	225.12	216.16	210.21	Between TMW-19K1 (shallow) and TMW-19K2 (mid): 0.25
TMW-19K2 (mid)	25.98	10.42	12/4/2000	225.05	214.63	204.07	Between TMW-19K1 (shallow) and TMW-19K3 (deep): 0.23
TMW-19K3 (deep)	38.81	13.37	12/4/2000	225.2	211.83	191.39	Between TMW-19K2 (mid) and TMW-19K3 (deep): 0.22

Notes:
Groundwater level measurements were not taken on the same date. Direct comparisons of these levels are most applicable if measured on the same date.
Ground surface elevation is approximate, well location covered by steel I-beams during survey. Elevation used is from adjacent temporary well.
Results are recorded in feet (ft).

Groundwater Monitoring Well Data
Table 5c - Transmissivity and Hydraulic Conductivity Data

Source: 1 Sample ID	Sample Date	1 Transmissivity (gpd/ft)	1 Hydraulic Conductivity (cm/sec)	1 Hydraulic Conductivity (ft/day)
EVIMW-2	5/01	2.00E+02	1.36E-03	3.87E+00
MW-4	5/01	1.78E+00	1.78E-05	5.04E+02
MW-19	5/01	5.93E+01	3.92E-04	1.11E+00
MW-21	5/01	5.67E+01	2.22E-06	6.30E+03
MW-35*	5/01	7.63E+02	4.78E-03	1.36E+01
MW-46	5/01	3.39E+01	1.24E-04	3.50E-01
MW-47**	5/01	9.79E+03/1.49E+04	3.56E-2/5.43E-2	1.01E+02/1.54E+02
MW-48	5/01	1.21E+03	4.76E-03	1.35E+01

Notes:
gpd = gallons per day
ft = feet
cm = centimeters
sec =seconds
* Light Nonaqueous Phase Liquid (LNAPL) present in well.
** Two specific capacity tests were performed.
1. Transmissivity and hydraulic conductivity values calculated using specific capacity test data and QSTRANSX.

Data in this workbook is taken from the following sources:

1 Blasland, Bouck & Lee, Inc., February 2002, Draft Site Investigation Summary Report.
2 Dames & Moore, July 1994, Summary of Investigations.
3 ABD Engineers and Surveyors, Inc., April 1996, Map Showing Well Locations, Schenectady Industrial Corporation.
4 Blasland, Bouck & Lee, Inc., July 2000, Site Investigation Work Plan.
5 Blasland, Bouck & Lee, Inc., July 2000 Site Investigation Work Plan, Appendices Table 4 Groundwater Elevations, June 1997.

Note:

The source of the data is identified in the source row/column for each sample.

Building/Area Specific Investigation Data
Table 6a - MW-01 and MW-04 Free Product Characterization
Summary of Product Characterization Results

Parameters		
Source:	1	1
Sample ID:	MW-01	MW-04
Sample Date:	10/28-30/92	10/28-30/92
Petroleum ID		
Diesel Fuel	Present	Present
No. 2 Heating Fuel	Present	Present
EPA Method 8080 - PCBs		
Aroclor 1260	55.6	BPQL
Aroclor 1260	58.3 (10/30/92)	NA
EPA Method 624 - VOCs		
Ethylbenzene	ND	70.3
EPA Method 625 - SVOCs		
Naphthalene	ND	1,600
Phenanthrene	600	1,200
RCRA Metals		
Arsenic	2.6	ND
Lead	11.1	ND

All results are reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Notes:
NA = Sample was not analyzed for this constituent.
ND= Not detected.
BPQL = Below Practical Quantitation Limit.

Building/Area Specific Investigation Data
Table 6b - Water Samples Collected in Vicinity of MW-01
Summary of Polychlorinated Biphenyls (PCBs) Results (Method 8080)

Parameter	
Source: 1	
Sample ID:	MW-01 MH
Sample Location:	Manhole Adjacent to MW-01 (oil sheen)
Sample Date:	10/92
Polychlorinated Biphenyls	11.2

All results are reported in micrograms per kilogram (ug/kg), or parts per billion (ppb).

Building/Area Specific Investigation Data
Table 6c - Building 332 Subsurface Investigation
Summary of Toxicity Characteristic Leaching Procedure (TCLP) Volatile Organic Compound (VOC) Results

Toxicity Characteristic Leaching Procedure			
Source:	2	2	2
Sample ID:	MW-13	MW-14	MW-15
Sample Date:	8/15-16/95	8/15-16/95	8/15-16/95
Volatile Organic Compounds EPA Method 8020			
Total Xylenes	1.18	4.31	2.35

Results are in micrograms per Liter (ug/L).

Building/Area Specific Investigation Data
Table 6d - Building 326 Transformer Pit Inspection and Sampling
Summary of Polychlorinated Biphenyls (PCBs) Soil Sample Results (Method 8080)

Analyte		
Source: 3		
Sample ID:	NYSDEC	328-LTRANSFORMER-614
Sample Date:	TAGM 4046	6/14/96
Aroclor-1260	10	107

All results are reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Notes:
NYSDEC TAGM value presented is for total PCBs in subsurface soil.

Building/Area Specific Investigation Data
Table 6e - Building 326 Transformer Pit Inspection and Sampling
Summary of Sludge Sample Results

Parameters		
Source:	3	3
Sample ID:	326-PITRIGHT-SL-0614	326-PITLEFT-SL-0614
Sample Date:	6/14/96	6/14/1996
Volatile Organics		
2- Butanone	140	100 U
Metals		
Barium TCLP	2	1.6
Cadmium TCLP	0.013	0.0067
PCBs		
Aroclor -1248	340	38 U
Aroclor-1260	58	38 U

All results are reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Notes:

Building/Area Investigation Data
Table 6f - EVI Parcel Screening Investigation
Summary of Results

Initial Sampling

Analyte	Sample Collection Designation & Collection Date			
Source: 4			4	4
Sample ID:		EVIMW-1	EVIMW-2	EVIMW-3
Sample Date:	TOGS 1.1.1	7/24/96	7/24/96	7/24/96
Semi-volatile Organics				
Benzo(a)anthracene	0.002	10.0 U	25	9.0 U
Benzo(a)pyrene	ND	10.0 U	24	9.0 U
Benzo(b)fluoranthene	0.002	10.0 U	47	9.0 U
Benzo(g,h,i)perylene	NS	10.0 U	13	9.0 U
Benzo(k)fluoranthene	0.002	10.0 U	16	9.0 U
Chrysene	0.002	10.0 U	36	9.0 U
Indeno(1,2,3-cd)pyrene	0.002	10.0 U	13	9.0 U
Priority Pollutant Metals				
Copper	200	0.014 U	0.015	0.014 U
Nickel	100	0.016 U	0.016 U	0.016
Zinc	2,000	0.0074 U	0.014	0.026

Confirmatory Sampling

Analyte	Sample Collection Designation & Collection Date			
Source:		4	4	4
Sample ID:		EVIMW-1	EVIMW-2	EVIMW-3
Sample Date:	TOGS 1.1.1	8/23/96	8/23/96	8/23/96
Semi-volatile Organics				
Benzo(a)anthracene	0.002	NA	10 U	NA
Benzo(a)pyrene	ND	NA	10 U	NA
Benzo(b)fluoranthene	0.002	NA	10 U	NA
Benzo(g,h,i)perylene	NS	NA	10 U	NA
Benzo(k)fluoranthene	0.002	NA	10 U	NA
Chrysene	0.002	NA	10 U	NA
Indeno(1,2,3-cd)pyrene	0.002	NA	10 U	NA

Results are in milligrams per Liter (mg/L).

Notes:
ND = Not detected
U = Indicates that the compound was analyzed for but not detected.
ns = No standard. Value not available in TOGS 1.1.1.
NA = Sample was not analyzed for this constituent.

Building/Area Investigation Data
Table 6g - EVI Parcel Investigation Program
Summary of Soil Boring Sample Results

Analyte		Sample Collection Designation, Screen Interval & Collection Date								
Source:		4	4	4	4	4	4	4	4	4
Sample ID:		EVI-4,11	EVI-5,9	EVI-6,10	EVI-7, 13.5	EVI-8,11	B1-15	B2-1	B2-16	B3-1
Sample Depth:	NYSDEC	11-11.5	9-10	10-11	13.5 - 14.2	11-12	15-16.5	1-2.5'	16-16.5'	1-3'
Sample Date:	TAGM 4046	#######	#######	5/12/1997	5/12/1997	#######	#######	5/14/97	5/14/97	5/14/97
Volatile Organics (mg/kg)										
1,2,4-Trimethylbenzene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Isopropyltoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	13,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Semi-Volatile Organics (mg/kg)										
Acenaphthene	50,000	NA	NA	NA	NA	NA	2,600	NA	470	NA
Anthracene	50,000	690	NA	NA	NA	NA	NA	NA	1,600	NA
Benzo(a)anthracene	224 or MDL	1,100	590	2,300	NA	1,300	NA	430	2,300	NA
Benzo(a)pyrene	61 or MDL	850	490	2,300	NA	1,000	NA	500	510	NA
Benzo(b)fluoranthene	1,100	1,100	960	3,700	NA	1,300	NA	660	NA	NA
Benzo(ghi)perylene	50,000	500	NA	NA	NA	740	NA	420	NA	NA
Benzo(k)fluoranthene	1,100	NA	NA	NA	NA	440	NA	NA	NA	NA
Chrysene	400	1,200	800	3,400	NA	1,500	NA	600	2,100	NA
Dibenzofuran	6,200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenz(ah)anthracene	14 or MDL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	NA	570	NA	NA	520	NA	NA	NA	NA	NA
Fluoranthene	50,000	2,600	1,000	2,200	NA	2,800	NA	600	NA	NA
Fluorene	50,000	NA	NA	NA	NA	NA	3,600	NA	NA	NA
Indeno(1,2,3-cd)pyrene	3,200	460	NA	NA	NA	710	NA	420	NA	NA
2-Methylnaphthalene	36,400	NA	NA	NA	640	550	NA	NA	NA	NA
3-Nitroaniline	500 or MDL	NA	NA	NA	NA	NA	NA	NA	780	NA
Naphthalene	13,000	420	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	50,000	3,200	490	2,400	460	2,200	NA	NA	1,700	NA
Pyrene	50,000	2,000	670	2,800	NA	1,800	NA	610	4,000	NA
PCBs (mg/kg)										
Arcolor-1254	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides/Herbicides (mg/kg)										
beta-BHC	200	NA	NA	NA	NA	NA	NA	NA	19.4	NA
p,p-DDE	2,100	NA	NA	NA	NA	NA	NA	10.3	NA	111
p,p-DDD	2,900	NA	NA	NA	NA	NA	NA	NA	NA	15.3
p,p-DDT	2,100	NA	NA	NA	NA	NA	NA	11.7	NA	156
Endosulfan sulfate	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
technical Chlordane	540	NA	NA	NA	NA	NA	NA	NA	NA	NA

NS = No standard. Recommended soil cleanup objective is not available.
MDL = Method Detection Limit.
NA = Sample was not analyzed for this constituent.

Building/Area Investigation Data
Table 6g - EVI Parcel Investigation Program
Summary of Soil Boring Sample Results

Analyte									
Source:		4	4	4	4	4	4	4	4
Sample ID:		B5-1	B5-14	B6-15.5	B7-1	B7-15	B8-14	B10-13.5	B12-10
Sample Depth:	NYSDEC	1-2.5'	14-15'	15.5-16.5'	1-3'	15-16'	14-14.5'	13.5-14.5'	10-12'
Sample Date:	TAGM 4046	5/14/97	5/14/97	5/13/97	5/13/97	5/13/97	5/14/97	5/14/97	5/13/97
Volatile Organics (mg/kg)									
1,2,4-Trimethylbenzene	NS	NA	NA	NA	NA	NA	NA	670	NA
sec-Butylbenzene	NS	NA	NA	760	NA	NA	NA	680	NA
4-Isopropyltoluene	NS	NA	NA	NA	NA	NA	NA	860	NA
n-Butylbenzene	NS	NA	680	2,100	NA	NA	NA	1,700	NA
Naphthalene	13,000	NA	NA	910	NA	NA	NA	2,700	NA
Semi-Volatile Organics (mg/kg)									
Acenaphthene	50,000	NA	1,300	2,700	NA	NA	NA	NA	NA
Anthracene	50,000	NA	NA	1,200	NA	NA	NA	NA	NA
Benzo(a)anthracene	224 or MDL	NA	810	480	NA	1,600	840	NA	NA
Benzo(a)pyrene	61 or MDL	NA	NA	NA	NA	1,200	490	NA	NA
Benzo(b)fluoranthene	1,100	NA	NA	NA	NA	2,100	620	NA	640
Benzo(ghi)perylene	50,000	NA	NA	NA	NA	1,100	NA	NA	400
Benzo(k)fluoranthene	1,100	NA	NA	NA	NA	700	NA	NA	NA
Chrysene	400	NA	980	510	NA	2,000	850	NA	NA
Dibenzofuran	6,200	NA	NA	960	NA	NA	NA	NA	NA
Dibenz(ah)anthracene	14 or MDL	NA	NA	NA	NA	420	NA	NA	NA
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	420	NA	NA	NA
Fluoranthene	50,000	NA	870	840	NA	1,700	2,200	410,000	400
Fluorene	50,000	NA	3,100	5,400	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	3,200	NA	NA	NA	NA	1,000	NA	NA	NA
2-Methylnaphthalene	36,400	NA	2,100	2,500	NA	NA	NA	NA	NA
3-Nitroaniline	500 or MDL	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	13,000	NA	1,400	2,300	NA	NA	NA	NA	NA
Phenanthrene	50,000	NA	950	1,800	NA	800	1,300	440,000	NA
Pyrene	50,000	NA	3,000	2,000	NA	1,700	1,500	360,000	390
PCBs (mg/kg)									
Arcolor-1254	10,000	0.767	NA	NA	NA	NA	NA	NA	NA
Pesticides/Herbicides (mg/kg)									
beta-BHC	200	NA	NA	NA	NA	NA	NA	NA	NA
p,p-DDE	2,100	NA	NA	NA	69	NA	NA	NA	NA
p,p-DDD	2,900	NA	NA	NA	40	NA	NA	NA	NA
p,p-DDT	2,100	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan sulfate	1,000	NA	NA	NA	NA	NA	NA	281	NA
technical Chlordane	540	NA	NA	NA	549	NA	NA	NA	NA

NS = No standard. Recommended soil cleanup objective is not available.
MDL = Method Detection Limit.
NA = Sample was not analyzed for this constituent.

Building/Area Investigation Data
Table 6h - EVI Parcel Investigation Program
Summary of Groundwater Sample Results

Analyte	**Sample Collection Designation, Screen Interval & Collection Date**					
Source:		4	4	4	4	4
Sample ID:		EVIMW-1	EVIMW-3	EVIMW-5	EVIMW-6	EVIMW-8
Sample Depth:		10-20'	10-20'	8-18'	9-19'	10-20'
Sample Date:	TOGS 1.1.1	6/5/97	6/5/97	6/5/97	6/5/97	6/6/97
Semi-volatile Organics (mg/L)						
Bis(2-ethylhexyl)phthalate	5	110	51	32	32	NA
Fluoranthene	50	NA	18	NA	NA	NA
Phenanthrene	50	NA	NA	NA	16	NA
Pyrene	50	NA	13	NA	11	NA
PCBs (mg/L)						
Aroclor-1248	0.09	NA	NA	NA	NA	0.082
Metals (mg/L)						
Arsenic	0.025	NA	NA	NA	NA	0.01

NA = Sample was not analyzed for this constituent.

Building/Area Investigation Data
Table 6i - Building 330 Resource Conservation and Recovery Act (RCRA) Closure Investigation
Summary of Concrete Sample Toxicity Characteristic Leaching Procedure (TCLP) Metals Results

Analyte								
Source:		2	2	2	2	2	2	2
Sample ID:	Regulatory	330-01	330-02	330-03	330-04	330-05	330-06	330-07
Sample Date:	Standard	12/11/1997	12/11/1997	12/11/1997	12/11/1997	12/11/1997	12/11/1997	12/11/1997
Barium	100	0.22	0.18	1.017	0.01 U	0.36	0.39	0.1
Chromium	5	0.06	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U

Analyte								
Source:		2	2	2	2	2	2	2
Sample ID:	Regulatory	330-08	330-09	330-10	330-11	330-12	330-13	330-14
Sample Date:	Standard	12/11/1997	12/11/1997	12/11/1997	12/11/1997	12/11/1997	12/11/1997	12/11/1997
Barium	100	0.28	0.29	0.45	0.11	0.54	0.08	0.05
Chromium	5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U

All results reported in milligrams per liter (mg/L).

Notes:
Regulatory standard as reported in source.

Building/Area Investigation Data
Table 6j - Building 330 Resource Conservation and Recovery Act (RCRA) Closure Investigation
Summary of Concrete Sample Polychlorinated Biphenyls (PCBs) Results

Analyte							
Source:	2	2	2	2	2	2	2
Sample ID:	330-01	330-02	330-03	330-04	330-05	330-06	330-07
Sample Date:	12/11/1997	12/11/1997	12/11/1997	12/11/1997	12/11/1997	12/11/1997	12/11/1997
Aroclor 1254	1	2.9	3.8	1.1	1 U	2	1 U

Analyte							
Source:	2	2	2	2	2	2	2
Sample ID:	330-08	330-09	330-10	330-11	330-12	330-13	330-14
Sample Date:	12/11/1997	12/11/1997	12/11/1997	12/11/1997	12/11/1997	12/11/1997	12/11/1997
Aroclor 1254	1.1	2.3	13	13	1 U	1.3	1 U

All results reported in milligrams per kilogram (mg/kg).

Building/Area Investigation Data
Table 6k - Building 306 Investigation
Summary of Soil Sample Results

Parameter												
Source:		2	2	2	2	2	2	2	2	2	2	2
Sample ID:	NYSDEC	306-E1	306-E2	306-E3	306-E4	306-N1	306-N2	306-N3	306-N4	306-S1	306-S2	306-S3
Sample Date:	TAGM 4046	12/11/1998	12/11/1998	12/11/1998	12/11/1998	12/11/1998	12/11/1998	12/11/1998	12/11/1998	12/11/1998	12/11/1998	12/11/1998
Full Analytical Suite (Y/N)	--	N	Y	N	N	N	N	N	Y	N	N	Y
Total Petroleum Hydrocarbons	ns	270	2,700	6,100	1,100	2,500	4,600	ND	ND	540	ND	6800
Type of Petroleum	--	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	ND	ND	Diesel	ND	Diesel
Volatile Organic Compounds												
Acetone	50.0	ND	ND	ND	ND	ND	ND	ND	0.0503	ND	ND	ND
Semivolatile Organic Compounds												
2-Methynaphthalene	36.4	ND	8.49	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	50.0	ND	2.45	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	0.061 or MDL	ND	0.912	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	2.0	ND	2.79	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	50.0	ND	1.35	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	ns	ND	1.66	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	13.0	ND	0.769	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals												
Barium	300 or SB	ND	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	SB	ND	0.38	ND	ND	ND	ND	ND	ND	ND	ND	ND

Results are in milligrams per kilogram (mg/kg), or parts per million (ppm).

Notes:
ND = Not Detected
MDL = Method Detection Limit
mg/L = milligrams per Liter or ppm
SB = Site background
ns = No standard. Recommended soil cleanup objective is not available.

Building/Area Investigation Data
Table 6l - Building 332 Tank Farm Investigation
Summary of Soil Sample Results

Parameter													
Source:		2	2	2	2	2	2	2	2	2	2	2	2
Sample ID:	NYSDEC	332-E1	332-E2	332-S1	332-S2	332-S3	332-W1	332-W2	332-W3	332-W4	332-W5	332-W6	332-W-7
Sample Date:	TAGM 4046	12/10/1998	12/10/1998	12/10/1998	12/10/1998	12/10/1998	12/10/1998	12/10/1998	12/10/1998	12/10/1998	12/10/1998	12/10/1998	12/10/1998
Full Analytical Suite (Y/N)	--	N	Y	Y	N	N	Y	N	N	N	N	N	N
Total Petroleum Hydrocarbons	ns	7,800	ND	ND	380	7,000	1,500	470	190	1,700	ND	3,700	13,000
Type of Petroleum	--	Diesel	ND	ND	Not Diesel	Not Diesel	Not Diesel	Not Diesel	Diesel	Diesel	ND	Diesel	Diesel
Semivolatile Organic Compounds													
n-Propylbenzene	3.7	ND	ND	ND	ND	ND	0.0275	ND	ND	ND	ND	ND	ND
2-Methynaphthalene	36.4	ND	ND	ND	ND	ND	8.53	ND	ND	ND	ND	ND	ND
Benzo (a) anthracene	1.1	0.752	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (a) pyrene	50	1.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (b) fluoranthene	1.1	2.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (k) fluoranthene	50	0.919	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	8.1	1.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	7.1	0.394	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	2	ND	ND	ND	ND	ND	0.661	ND	ND	ND	ND	ND	ND
Phenanthrene	ns	ND	ND	ND	ND	ND	1.44	ND	ND	ND	ND	ND	ND
Pyrene	13	0.42	ND	ND	ND	ND	0.518	ND	ND	ND	ND	ND	ND
Metals													
Barium	300 or SB	ND	2	2	ND	ND	1.5	ND	ND	ND	ND	ND	ND

Results are in milligrams per kilogram (mg/kg), or parts per million (ppm).

Notes:
ND = Not Detected
mg/L = milligrams per Liter or ppm
SB = Site background
NS = No standard. Recommended soil cleanup objective is not available.

Data in this workbook is taken from the following sources:

1. Dames & Moore, May 1993, Summary of Activities Related to Selected Issues Noted in NYSDEC Order on Consent File No. R4-1338-92-05, Job #24707-001-017.
2. Blasland, Bouck & Lee, Inc., July 2000, Site Investigation Work Plan.
3. General Electric, March 1999, Building 326 & 328 Demolition Memorandum.
4. Vanasse Hangen Brustlin, Inc., June 2002, Impact Analysis and Closure Petition, Nott Street Industrial Park, EVI Parcel

Note:

The source of the data is identified in the source row for each sample.

NYSDEC TOGS 1.1.1 - New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998.

NYSDEC TAGM #4046 values are taken from New York State Department of Environmental Conservation Division of Enviornmental Remediation Guidance Document, Technical and Administrative Guidance Memorandum #4046, Determination of Soil Cleanup Objectives and Cleanup Levels, Appendix A Recommended Soil Cleanup Objectives, January 24, 1994.

As per the TAGM, total VOCs must be less than 10 mg/kg, total SVOCs must be less than 500 mg/kg and individual SVOCs must be less than 50 mg/kg.

Analytical method information is included in the table headings if available; however, this information was not available for every sample.

UST Closure Program Data
Table 7a - Building 332 UST Closure
Summary of Field Screening and Analytical Results

Parameters			
Sample ID:	332-NTNKOUT-SS-1105	332-TNKPL-SO-1106	332-TNKPL2FT-SO-1106
Sample Date:	11/5/92	11/6/92	11/6/1992
Sample Location:	Concrete Tank Chip Samples	Soil Directly Under Tank	Soil Two Feet Under Tank
Headspace			
Headspace	--	6	150
Petroleum ID	--	--	Xylenes/Kerosene
Volatile Organics			
1,1,1-Trichloroethane	0.79	0.011	0.51
1,1-Dichloroethane	0.02	--	--
1,1-Dichloroethene	0.011	--	--
Ethylbenzene	0.056	0.028	3.9
Tetrachloroethylene	--	0.001	--
Toluene	0.025	0.002	1.4
Xylenes	0.11	0.092	18
Metals			
Barium	--	0.32	0.14

Results are in milligrams per kilogram (mg/kg), or in parts per million (ppm).

Notes:
-- = Not applicable. Based on available information, it appears that these constituents were not detected but this could not be confirmed.

Source: General Electric, December 1992, Closure of a 2,700-gallon Concrete Underground Storage Tank (UST) Located at GE's Nott Street Facility

Analytical method information is included in the table headings if available; however, this information was not available for every sample.

Remediation Program Data
Table 8a - MW-01 Free Product Recovery Summary

Dates of Collection From	To	Recovery (Gallons)	Free Product in Drum	Source
2/5/1993	3/15/1993	55	2 inches	1
3/15/1993	3/28/1993	55	1-2 inches	1
3/28/1993	5/24/1993	55	1/4 inch	1
5/24/1993	8/3/1992	55	sheen	1
8/3/1993	3/29/1994	55	sheen	1
3/29/1994	4/22/1994	55	sheen	1
4/22/1994	5/31/1994	55	sheen	1
5/31/1994	6/21/1994	55	2-4 inches	1
6/21/1994	8/9/1994	55	sheen	1
8/9/1994	5/11/1995	55	sheen	1
5/11/1995	2/4/98*	55	no sheen observed	1
TOTAL		550		

* = In service through 2/4/98 (out of service after 2/4/98)

Remediation Program Data
Table 8b - Building 328 Transformer Inspection, Removal and Follow-up Investigation/Remediation
Summary of Polychlorinated Biphenyls (PCBs) Results

Analyte	**Wire Sample**
Source:	2
Sample ID:	BLDG328-WIRE-LOC3-520
Sample Date:	5/20/96
Aroclor-1260	0.24

All results are reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Analyte	**Soil Samples**	
Source:	2	2
Sample ID:	BLDG328-SOIL-LOC1-520	BLDG328-SOIL-LOC2-520
Sample Date:	5/20/1996	5/20/1996
Aroclor-1260	17,000	150

All results are reported in micrograms per kilogram (ug/kg), or parts per billion (ppb).

Remediation Program Data
Table 8c - Polychlorinated Biphenyls (PCBs) Transformer Spill
Summary of PCB Analytical Results (Method 8080)

Source:	3	3	3	3	3	3	3
Sample ID:	178 SUB-539-OI-0129	178 SUB-538-OI-0129	178 SUB-BB8-WI-0129	178 SUB-FIN8-WI-0129	178 SUB-BB9-WI-0129	178 SUB-FIN9-WI-0129	178 SUB-5393-SO-0201
Sample Matrix:	Oil	Oil	Wipe	Wipe	Wipe	Wipe	Soil
Sample Date:	1/30/1993	1/30/1993	1/30/1993	1/30/1993	1/30/1993	1/30/1993	2/2/1993
Aroclor-1260	569	528	161	7.1	244	27.6	128.6

Oil sample and soil sample results are reported in milligrams per kilogram (mg/kg), or parts per million (ppm).
Wipe sample results are reported in micrograms/100 square centimeters

Remediation Program Data
Table 8c - Polychlorinated Biphenyls (PCBs) Transformer Spill
Summary of PCB Analytical Results (Method 8080)

Source:	3	3	3	3	3	3	3
Sample ID:	178 SUB-5391-SO-0201	178 SUB-538C-SO-0201	178 SUB-538B-SO-0201	178 SUB-538A-SO-0201	178 SUB-5292-SO-0201	178 SUB-BACK-SO-1004	178 SUB-TOP-WI-1004
Sample Matrix:	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Sample Date:	2/2/1993	2/2/1993	2/2/1993	2/2/1993	2/2/1993	10/5/1993	10/5/1993
Aroclor-1260	66.5	70.4	4.3	40.7	6.8	1	1.4

Oil sample and soil sample results are reported in milligrams per kilogram (mg/kg), or parts per million (ppm).
Wipe sample results are reported in micrograms/100 square centimeters

Remediation Program Data
Table 8c - Polychlorinated Biphenyls (PCBs) Transformer Spill
Summary of PCB Analytical Results (Method 8080)

Source:	3	3
Sample ID:	178-245E-SO-1108	178-254W-SO-1108
Sample Matrix:	Soil	Soil
Sample Date:	11/9/1993	11/9/1993
Aroclor-1260	3.88	4.3

Oil sample and soil sample results are reported in milligrams per kilogram (mg/kg), or parts per million (ppm).
Wipe sample results are reported in micrograms/100 square centimeters

Remediation Program Data
Table 8d - Monitoring Well MW-04 Bioventing System
Summary of Soil Sample Total Petroleum Hydrocarbon Data

Source:	3	3	3	3	3	3	3	3
Sample ID:	BVM2SW 2-14	BVM2SW 5-10-12	BVM2SW 5-14	RW03E 5-10-12	RW03S 10-10-12	RW03S 5-14	RW03W 5-10-12	RWO3E 10-14
Depth (ft):	14	10-12	14	10-12	10-12	14	10-12	14
Sample Date:	12/8/98	12/8/98	12/8/98	12/8/98	12/8/98	12/8/98	12/8/98	12/8/98
Total Petroleum Hydrocarbon	20000	820	19000	1100	110	6300	820	24000

Notes:
Sample ID nomenclature e.g. RW03E 5-10-12
RW03 = Well Location
E = Direction (N,E,S,W)
5 = Distance from well
10-12 = Depth Interval

Remediation Program Data
Table 8d - Monitoring Well MW-04 Bioventing System
Summary of Soil Sample Total Petroleum Hydrocarbon Data

Source:	3	3	3	3	3	3	3	3
Sample ID:	RWO3E 15-10-12	RWO3E 15-15	RWO3E 5-14	RWO3S 10-14	RWO3S 15-14	RWO3W 10-14	RWO3W 15-14	RWO3W 5-14
Depth (ft):	10-12	14	14	14	14	14	14	14
Sample Date:	12/8/98	12/8/98	12/8/98	12/8/98	12/8/98	12/8/98	12/8/98	12/8/98
Total Petroleum Hydrocarbon	380	14000	1000	130	3000	1300	4500	3500

Notes:
Sample ID nomenclature e.g. RW03E 5-10-12
RW03 = Well Location
E = Direction (N,E,S,W)
5 = Distance from well
10-12 = Depth Interval

Remediation Program Data
Table 8e - Monitoring Well MW-01 Polychlorinated Biphenyl (PCB) Source Removal
Summary of Endpoint Sample Total Petroleum Hydrocarbon (TPH) and PCB Results

Analyte					
Source:	4	4	4	4	4
Sample ID:	North Wall	South Wall	East Wall	West Wall	Bottom
Sample Date:	2/4/1998	2/4/1998	2/4/1998	2/4/1998	2/4/1998
Total Petroleum Hydrocarbons	23,000	4,100	1,200	43,000	2,800
Polychlorinated Biphenyls	4.06	0.921	ND	2.83	2.11

Results are in parts per million (ppm).

Notes:
ND = Not detected

Remediation Program Data
Table 8f - EVI Parcel ENA Pilot Study
Summary of Soil Polycyclic Aromatic Hydrocarbon (PAH) Concentrations - ENA Pilot Study 12' Depth (May 1997)

Chemical	NYSDEC TAGM 4046	Frequency of Detection	Range Min	Range Max	Average	Median	Source
2-Methylnaphthalene	36,400	1/5	550	550	550	550	5
Acenaphthene	50,000	0/5	NA	NA	NA	NA	5
Anthracene	50,000	1/5	690	690	690	690	5
Benzo (a) anthracene	224 or MDL	4/5	590	2,300	1,323	1,200	5
Benzo (a) pyrene	61 or MDL	4/5	490	2,300	1,160	925	5
Benzo (b) fluoranthene	1,100	5/5	640	3,700	1,540	1,100	5
Benzo (ghi) perylene	50,000	3/5	400	740	547	500	5
Benzo (k) fluoranthene	1,100	1/5	440	440	440	440	5
Chrysene	400	4/5	800	3,400	1,725	1,350	5
Dibenzo (ah) anthracene	14 or MDL	0/5	NA	NA	NA	NA	5
Dibenzofuran	6,200	0/5	NA	NA	NA	NA	5
Fluoranthene	50,000	5/5	400	2,800	1,800	2,200	5
Fluorene	50,000	0/5	NA	NA	NA	NA	5
Indeno (1,2,3-cd) pyrene	3,200	2/5	460	710	585	585	5
Naphthalene	13,000	1/5	420	420	420	420	5
Phenanthrene	50,000	4/5	490	3,200	2,073	2,300	5
Pyrene	50,000	5/5	390	2,800	1,532	1,800	5

All concentrations reported in milligrams per kilogram (mg/kg), or parts per million (ppm).

Notes:
Based on data collected from EVI-4, 11-11.5'; EVI-5, 9-10'; EVI-6, 10-11'; EVI-8, 11-12'; and B-12, 10-12'.
NA = Not applicable.

Remediation Program Data
Table 8g - EVI Parcel ENA Pilot Study
Summary of Baseline Soil Sample Results

Parameter													
Source:	5	5	5	5	5	5	5	5	5	5	5	5	5
Sample ID:	EVIMW-1	EVIMW-2	EVIMW-3	EVIMW-6	EVIMW-6 E (DUP)	EVIMW-7	EVIMW-8	ENAGP-1	ENAGP-2	ENAGP-3	ENAGP-4	ENAGP-5	ENAGP-6
Sample Date:	3/7/2000	3/7/2000	3/7/2000	3/7/2000	3/7/2000	3/7/2000	3/7/2000	3/7/2000	3/7/2000	3/7/2000	3/7/2000	3/7/2000	3/7/2000
Total Organic Carbon (mg/kg)	7,370	29,000	21,000	19,600	38,600	4,440	25,000	24,000	11,700	92,400	33,300	39,200	22,400
Total Petroleum Hydrocarbons (mg/kg)	ND	926	1,420	18,300	19,000	9,800	6,020	20,200	12,500	53,900	32,600	17,100	24,800
Polycyclic Aromatic Hydrocarbons (ug/kg)													
2-Methynaphthalene	1,160	3,650	ND	ND	ND	ND	ND	ND	ND	4,690	ND	ND	1,810
Acenaphthene	415	5,830	ND	ND	ND	ND	ND	ND	ND	5,370	2,910	1,890	1,310
Anthracene	638	13,400	ND	2,500	2,840	ND	ND	ND	619	2,800	1,400	1,690	1,470
Benzo (a) anthracene	1,770	18,500	ND	5,420	5,900	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (a) pyrene	1,510	15,800	ND	7,500	6,880	ND	ND	ND	ND	1,710	ND	ND	ND
Benzo (b) fluoranthene	3,250	20,000	ND	8,820	8,030	ND	548	ND	ND	1,300	ND	ND	ND
Benzo (g,h,I) perylene	1,080	7,080	ND	4,660	4,390	ND	ND	ND	ND	ND	ND	ND	ND
Benzo (k) fluoranthene	973	7,750	ND	3,280	3,000	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	1,870	16,200	ND	4,500	4,850	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene 4,770		50,000	ND	12,300	12,500	ND	703	ND	460	2,100	ND	1,030	608
Fluorene	503	6,470	ND	ND	ND	ND	ND	814	1,280	5,110	3,740	3,240	3,320
Indeno (1,2,3-cd) pyrene	993	6,570	ND	3,820	4,040	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	868	7,390	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,970
Phenanthrene	4,420	58,800	ND	7,510	8,170	4,150	ND	652	788	10,600	3,290	1,300	3,830
Pyrene	3,380	41,500	ND	12,000	13,600	ND	983	824	1,160	3,730	2,970	1,430	2,050

Notes:
ND = Not Detected

Remediation Program Data
Table 8h - EVI Parcel ENA Pilot Study
Summary of Groundwater Laboratory and Field Test Data

Parameter (units)						
Source:	5	5	5	5	5	5
Sample ID:	EVIMW-1	EVIMW-2	EVIMW-3	EVIMW-6	EVIMW-7	EVIMW-8
Sample Date:	3/8/00	3/8/00	3/8/00	3/8/00	3/8/00	3/8/00
Ammonia	< 0.1	< 0.1	0.32	1.51	1.35	0.21
Nitrate as N	0.5	0.7	0.7	1.3	1.2	1
Total Phosphate	< .05	< .05	0.14	0.5	0.1	0.05
Hydrogen Sulfide	< 0.1	< 0.1	< 0.1	0.2	< 0.1	< 0.1
Sulfate	294	179	288	84	85	258
Methane	< 0.02	< 0.03	< 0.02	3.37	1.19	< 0.02
Iron	0.13	0.121	4.14	8.25	9.56	11
Standard Plate Count (col/ml)	880	10	240	280	ns	350
CO^2	10	50	95	155	130	135
Alkalinity	100	15	5	155	95	30
Fe^{+2}	0	0	1.8	2.4	2.3	2.5
Headspace (ppm)	3.4	2.5	31	1.7	0	3.8
Turbidity	NS	2.7	240	5.5	NS	6.8
Temperature (C^o)	10.75	13.08	13.88	11.09	13.99	13.59
Specific Conductance (uS/cm)	1.562	0.403	0.629	0.966	2.7	0.652
pH (std units)	7.18	5.89	4.58	6.78	6.79	5.8
Oxidation reduction potential (mv)	52.7	160.2	228	-84.3	-62.8	104
Dissolved oxygen	4.04	5.02	1.52	0.79	2.47	1.19

Results are reported in milligrams per Liter (mg/L), unless otherwise noted.

Notes:
col/ml = colony per milliliter
ppm = parts per million.
C^o = degrees Celsius
uS/cm = microsiemens per centimeter
std units = standard units
mv = millivolts
NS = Not sampled

Remediation Program Data
Table 8i - EVI Parcel ENA Pilot Study
Summary of Soil Polycyclic Aromatic Hydrocarbon (PAH) Concentrations - ENA Pilot Study 16' - 18' Depth (March 2000)

Chemical	Frequency of Detection	Range Min	Range Max	Average	Median	NYSDEC TAGM 4046	Source
2-Chloronaphthalene	0/6	NA	NA	NA	NA	NA	5
2-Methylnaphthalene	2/6	1,810	4,960	3,385	3,385	36,400	5
Acenaphthene	4/6	1,310	5,370	2,870	2,400	50,000	5
Acenapthylene	0/6	NA	NA	NA	NA	NA	5
Anthracene	5/6	619	2,800	1,596	1,470	50,000	5
Benzo (a) anthracene	0/6	NA	NA	NA	NA	NA	5
Benzo (a) pyrene	1/6	1,710	1,710	1,710	1,710	61 or MDL	5
Benzo (b) fluoranthene	1/6	1,300	1,300	1,300	1,300	1,100	5
Benzo (ghi) perylene	0/6	NA	NA	NA	NA	NA	5
Benzo (k) fluoranthene	0/6	NA	NA	NA	NA	NA	5
Chrysene	0/6	NA	NA	NA	NA	NA	5
Dibenzo (ah) anthracene	0/6	NA	NA	NA	NA	NA	5
Fluoranthene	4/6	460	2,100	1,050	819	50,000	5
Fluorene	6/6	814	5,110	2,917	3,280	50,000	5
Indeno (1,2,3-cd) pyrene	0/6	NA	NA	NA	NA	NA	5
Naphthalene	1/6	2,970	2,970	2,970	2,970	13,000	5
Phenanthrene	6/6	625	10,600	3,406	2,295	50,000	5
Pyrene	6/6	824	3,730	2,027	1,740	50,000	5

All concentrations reported in mg/kg.

Notes:
Results are based on samples collected from ENAGP-1, ENAGP-2, ENAGP-3, ENAGP-4, ENAGP-5, and ENAGP-6.

Remediation Program Data
Table 8j - EVI Parcel ENA Pilot Study
Summary of Soil Polycyclic Aromatic Hydrocarbon (PAH) Concentrations - ENA Pilot Study 12' Depth (December 2000)

Chemical	Frequency of Detection	Range Min	Range Max	Average	Median	NYSDEC TAGM 4046	Source
2-Chloronaphthalene	0/8	NA	NA	NA	NA	NA	5
2-Methylnaphthalene	2/8	5,330	115,000	60,165	60,165	36,400	5
Acenaphthene	1/8	4,420	4,420	4,420	4,420	50,000	5
Acenapthylene	1/8	52,100	52,100	52,100	52,100	41,000	5
Anthracene	4/8	4,060	88,800	28,043	9,655	50,000	5
Benzo (a) anthracene	4/8	10,000	83,700	31,000	15,150	224 or MDL	5
Benzo (a) pyrene	4/8	7,100	73,500	26,900	13,500	61 or MDL	5
Benzo (b) fluoranthene	4/8	9,610	108,000	40,903	23,000	1,100	5
Benzo (ghi) perylene	2/8	6,530	7,340	6,935	6,935	50,000	5
Benzo (k) fluoranthene	3/8	6,450	38,500	17,430	7,340	1,100	5
Carbazole	3/8	4,200	42,900	17,297	4,790	NA	5
Chrysene	4/8	7,680	71,700	27,320	14,950	400	5
Dibenzo (ah) anthracene	0/8	NA	NA	NA	NA	NA	5
Fluoranthene	6/8	4,440	258,000	64,805	35,650	50,000	5
Fluorene	2/8	6,110	71,200	38,655	38,655	50,000	5
Indeno (1,2,3-cd) pyrene	3/8	4,320	7,230	6,037	6,560	3,200	5
Naphthalene	3/8	4,900	448,000	155,767	14,400	13,000	5
Phenanthrene	5/8	6,780	425,000	107,516	31,000	50,000	5
Pyrene	6/8	5,450	244,000	58,015	27,350	50,000	5

All concentrations reported in milligrams per kilogram (μg/kg), or parts per million (ppm).

Notes:
Results are based on samples collected from ENAGP-1, ENAGP-2, ENAGP-3, ENAGP-4, ENAGP-5, ENAGP-6, ENAGP-7, and ENAGP-8 all collected from the 12-13.5' depth interval.
NA = Not applicable

Remediation Program Data
Table 8k - EVI Parcel ENA Pilot Study
Summary of Soil Polycyclic Aromatic Hydrocarbon (PAH) Concentrations - ENA Pilot Study 17' - 18' Depth (December 2000)

Chemical	Frequency of Detection	Range Min	Range Max	Average	Median	NYSDEC TAGM 4046	Source
2-Chloronaphthalene	0/8	NA	NA	NA	NA	NA	5
2-Methylnaphthalene	1/8	7,190	7,190	7,190	7,190	36,400	5
Acenaphthene	2/8	478	7,520	3,999	3,999	50,000	5
Acenapthylene	0/8	NA	NA	NA	NA	NA	5
Anthracene	2/8	583	10,100	5,342	5,342	50,000	5
Benzo (a) anthracene	2/8	917	13,200	7,059	7,059	224 or MDL	5
Benzo (a) pyrene	2/8	631	9,560	5,096	5,096	61 or MDL	5
Benzo (b) fluoranthene	2/8	1,017	12,800	6,909	6,909	1,100	5
Benzo (ghi) perylene	0/8	NA	NA	NA	NA	NA	5
Benzo (k) fluoranthene	0/8	NA	NA	NA	NA	NA	5
Carbazole[1]	0/8	NA	NA	NA	NA	NA	5
Chrysene	2/8	848	13,000	6,924	6,924	400	5
Dibenz (ah) anthracene	0/8	NA	NA	NA	NA	NA	5
Fluoranthene	5/8	638	33,700	10,352	7,770	50,000	5
Fluorene	3/8	596	13,200	4,826	681	50,000	5
Indeno (1,2,3-cd) pyrene	0/8	NA	NA	NA	NA	NA	5
Naphthalene	2/8	6,500	10,800	8,650	8,650	13,000	5
Phenanthrene	7/8	985	42,900	10,412	5,140	50,000	5
Pyrene	5/8	891	31,600	9,630	6,170	50,000	5

All concentrations reported in mg/kg.

Notes:
Results are based on samples collected from ENAGP-1, ENAGP-2, ENAGP-3, ENAGP-4, ENAGP-5, ENAGP-6, ENAGP-7, and ENAGP-8 all collected from the 17-18' depth interval.
[1] Analysis for carbazole was not performed for the March 2000 samples.
NA = Not applicable

Remediation Program Data
Table 8l - EVI Parcel ENA Pilot Study
Summary of Groundwater Field Parameter Data

Parameter							
Source:	5	5	5	5	5	5	5
Sample ID:	ENAP-01	ENAP-01	ENAP-01	ENAP-01	ENAP-01	ENAP-01	ENAP-01
Sample Date:	6/1/2000	7/6/2000	8/10/2000	9/7/2000	10/12/2000	11/15/2000	12/5/2000
Ferrous Iron	4.6	3.9	2.2	2.0	2.0	2.0	2.0
CO_2	255	295	295	280	290	175	170
O_2	2.17	2.53	22.80	144.10	0.44	1.80	1.80
pH	--	7.0	7.0	7.0	7.0	7.0	7.0
Temperature (deg C)	12.3	12.4	15.6	16.6	13.6	14.1	14.0

Parameter							
Source:	5	5	5	5	5	5	5
Sample ID:	ENAP-02	ENAP-02	ENAP-02	ENAP-02	ENAP-02	ENAP-02	ENAP-02
Sample Date:	6/1/2000	7/6/2000	8/10/2000	9/7/2000	10/12/2000	11/15/2000	12/5/2000
Ferrous Iron	2.8	3.4	3.4	2.2	1.9	2.2	2.2
CO_2	280	300	335	325	335	300	290
O_2	2.10	2.10	25.00	126.80	0.43	2.80	2.70
pH	--	7.0	7.0	7.0	7.0	7.0	7.0
Temperature (deg C)	12.3	12.3	15.6	16.2	14.3	14.6	14.2

Parameter							
Source:	5	5	5	5	5	5	5
Sample ID:	ENAP-03	ENAP-03	ENAP-03	ENAP-03	ENAP-03	ENAP-03	ENAP-03
Sample Date:	6/1/2000	7/6/2000	8/10/2000	9/7/2000	10/12/2000	11/15/2000	12/5/2000
Ferrous Iron	3.2	3.2	3.0	2.0	2.0	3.0	3.0
CO_2	240	235	325	350	280	230	230
O_2	1.24	1.28	34.30	99.20	0.56	2.00	2.00
pH	--	7.0	7.0	7.0	7.0	7.0	7.0
Temperature (deg C)	12.4	12.4	15.6	15.4	14.9	14.0	14.0

-- = No result reported.

Data in this workbook is taken from the following sources:

1 Dames & Moore, March 1995, Fourth Quarter Report, 1994 Free Product Recover & Site Inspection Summary, Job #24707-004-L566.
2 General Electric, March 1999, Building 326 & 328 Demolition Memorandum
3 Blasland, Bouck & Lee, Inc., July 2000, Site Investigation Work Plan.
4 Harding Lawson Associates, Inc., July 1998, MW-01 PCB Remediation Program Report DEC Order on Consent R4-1338-92-05, Project #2349.00
5 Vanasse Hangen Brustlin, Inc., June 2002, Impact Analysis and Closure Petition, Nott Street Industrial Park, EVI Parcel

Note:

The source of the data is identified in the source row for each sample.

NYSDEC TAGM #4046 values are taken from New York State Department of Environmental Conservation Division of Enviornmental Remediation Guidance Document, Technical and Administrative Guidance Memorandum #4046, Determination of Soil Cleanup Objectives and Cleanup Levels, Appendix A Recommended Soil Cleanup Objectives, January 24, 1994.

As per the TAGM, total VOCs must be less than 10 mg/kg, total SVOCs must be less than 500 mg/kg and individual SVOCs must be less than 50 mg/kg.

Analytical method information is included in the table headings if available; however, this information was not available for every sample.

Table 9
Chlorinated Solvent Plume (Area 6) Data Summary
Nott Street Industrial Park
Schenectady, NY

Sample ID		MW-19		MW-19		MW-19		MW-19		MW-47		MW-47		MW-47	
Sample Date		12/10/1999		12/8/2000		5/30/2001		7/29/2004		6/1/2001		9/23/2004		10/31/2005	
Well depth (ft bgs)		20		20		20		20		55		55		55	
Screened interval (ft bgs)	Units	10-20		10-20		10-20		10-20		45-55		45-55		45-55	
Volatile Organic Compounds															
1,1-Dichloroethene	µg/l	ND		ND		ND		ND		ND		2.2	J	1.5	
1,2-Dichloroethene (total)	µg/l	110		310		160		100		91	D	160		89.9	
Chloroethane	µg/l	ND		ND		ND		ND		ND		ND		ND	
Tetracholoroethene	µg/l	64		200	D	220	D	210		ND		ND		ND	
Toluene	µg/l	ND		ND		ND		ND		ND		0.83	J	ND	
Trichloroethene	µg/l	7	J	32		47	D	52		73	D	47		45	
Vinyl Chloride	µg/l	170		64		5.7		ND		24		9.9		6.5	

Sample ID		MW-46		MW-46		MW-46		MW-48		MW-48		MW-49		MW-50		MW-51	
Sample Date		5/30/2001		7/29/2004		10/31/2005		7/29/2004		10/31/2005		10/31/2005		11/2/2005		11/2/2005	
Well depth (ft bgs)		43		43		43		65		65		67		57		67	
Screened interval (ft bgs)	Units	33-43		33-43		33-43		55-65		55-65		57-67		47-57		57-67	
Volatile Organic Compounds																	
1,1-Dichloroethene	µg/l	ND		ND		ND		ND		3.66		ND		ND		7.3	
1,2-Dichloroethene (total)	µg/l	160		160		213		3,800		1,545		4.6		2.0		1,733	
Chloroethane	µg/l	ND		ND		ND		7.8		ND		ND		ND		6.0	
Tetracholoroethene	µg/l	9,500	D	1,800		5,080		230		222		ND		ND		95	
Toluene	µg/l	ND		ND		ND		ND		ND		ND		ND		ND	
Trichloroethene	µg/l	420		890		1,060		560		612		1.1		1.1		157	
Vinyl Chloride	µg/l	ND		ND		1.7		270		114		ND		6.4		230	

Notes: ND = Not detected
NA = Not analyzed
D = Identifies all compounds analyzed at a secondary dilution
J = The compound or analyte was positively identified, but the associated numerical value is an estimated concentration

Data Sources: Arcadis BBL: MW-19/MW-46 Additional Investigation; 2004 Groundwater Sampling and Analysis; 2002 Draft Site Investigation Summary

Table 10
Recognized Environmental Conditions
ALCO-Maxon Site (Former Nott Street Industrial Park)
Schenectady, NY

REC #	Parcel	Operable Unit (OU)	REC Description	History	COCs*	Previous Investigation	REC Rationale	Comment	Additional Investigation
Background	N / A	N / A	Upgradient - Erie Blvd	Former Erie Canal stream trace	possible SVOCs, ETPH, PAHs, AVOCs	Perimeter Investigation, November/December 1999 and 2000; Site Investigation, Fall 2000 and Spring 2001.	Stream traces are well known to act as COC transport corridors. Upgradient sites and cross gradients sites may have contributed.		None
Background	N / A	N / A	Upgradient - Front St.	Storm sewer piping carrying off-site water to a Mohawk River outfall. Sanitary force main enters park from Front St./Erie Blvd traveling to the north along Erie Blvd.	SVOCs, ETPH, PAHs, AVOCs	Perimeter Investigation, November/December 1999 and 2000.	Storm sewers known to have been impacted by Coyne Textile Service Facility fuel release in early 1990s		Collect soil samples via test pit and/or install well close to front street sewers where enters the Park. Inspect sewers.
Background	N / A	N / A	Upgradient - College Creek Culvert	Culverted creek and storm water overflow from the City of Schenectady to a Mohawk River outfall.	SVOCs, ETPH, PAHs, AVOCs	None	Impacted storm water is known to have been discharged into the Mohawk River via the College Creek Culvert, which carries storm water from the City of Schenectady beneath the Park.		Collect soil samples via test pit and/or install well close to college creek culvert where enters the Park. Inspect sewers.
Background	N / A	N / A	Upgradient - Sites	Upgradient properties that may pose an environmental threat to the Park include College Park and other former ALCO properties located east of the railroad ROW.	SVOCs, ETPH, PAHs, AVOCs	Perimeter Investigation, November/December 1999 and 2000.	Upgradient releases may have migrated onto the property via preferential pathways created by the storm water conveyance system or with the flow of groundwater.		None
1	324	TBD	Parcel 324 & A43/College Creek Outfalls	A fuel oil release occurred at the adjacent Coyne Textile Services in 1992. The release escaped into the storm sewer system and discharged to the Mohawk River via the College Creek Outfall. Petroleum was observed seeping from the riverbank rip rap adjacent to Building 324 and Outfall A43.	SVOCs, ETPH, PAHs, AVOCs	Test Pit Excavations, July 1992; Drilling Program, August 1992; Follow-Up Investigation, July - September 1992; Delineation Boring Program, October - November 1992; Surface, Subsurface and Groundwater Investigation, March - May 1994; Site Investigation, Fall 2000 and Spring 200; Free Product Petroleum Recovery from Monitoring Wells MW-01 and MW-04; 1992 - 1994; Deployment of Oil Containment and Absorbent Booms in the Mohawk River, 1992 - present; Monitoring Well MW-01 PCB Source Removal, February 1998.	The petroleum substance discharging into the Mohawk River from the rip rap along the riverbank and from the College Creek storm water outfall was identified as No.2 fuel oil associated with the release which occurred at the Coyne Textile Service facility.	Defined as AOC-1	Install soil borings via test pits in this area to determine current impact levels. Collect soil samples above water table. Inspect sewers.
2	322	TBD	Parcel 322 & Building 320 Waste Tank	In 1992, during an investigation following a release of fuel oil to the storm sewer system adjacent to the Park, petroleum was observed seeping from the riverbank rip rap adjacent to Building 322 and Building 320, which at the time was thought to have been a result of the large fuel oil release to the storm sewer system. Upon further investigation the seeping petroleum appeared to be the result of a release from an AST located north of Building 320, which contained an oily wash water mix.	SVOCs, ETPH, PAHs, AVOCs	Test Pit Excavations, July 1992; Drilling Program, August 1992; Follow-Up Investigation, July - September 1992; Delineation Boring Program, October - November 1992; Surface, Subsurface and Groundwater Investigation, March - May 1994; Site Investigation, Fall 2000 and Spring 2001; Free Product Petroleum Recovery from Monitoring Wells MW-01 and MW-04; 1992 - 1994; Deployment of Oil Containment and Absorbent Booms in the Mohawk River, 1992 - present; Monitoring Well MW-04 Pilot Bioventing System, December 1996.	A petroleum release has been confirmed within this area. The presence of a UST presents a material threat of release of COCs to the subsurface.	Defined as AOC-2	Install soil borings via test pits this area to determine the current impact levels. Collect soil samples above water table. Collect groundwater samples from pit and surrounding well. Locate and profile former AST/UST locations.
3	Main	TBD	Building 332 Former Fuel Oil UST	A 2,700-gallon UST, suspected to have been used for the storage of fuel oil, was removed in November 1992. The UST was located adjacent to the north side of Building 332. UST closure samples contained concentrations of VOCs which exceeded regulatory criteria.	SVOCs, ETPH, PAHs, AVOCs	Surface, Subsurface & Groundwater Investigation, March-May 1994; Building 332 and 342 Subsurface Investigation, August 1995; Building 332 Geoprobe Investigation, December 1998; Building 332 UST Removal, November 1992	A petroleum release has been confirmed within this area. The presence of a UST presents a material threat of release of COCs to the subsurface.	Defined as AOC-3	None
4	Main	TBD	Building 332 Former Fuel Oil USTs	Four USTs located adjacent to the southeast side of Building 332, were reportedly closed in 1986 by being filled with sand/concrete. The USTs were used for the storage of diesel fuel or motor oil. Subsurface soil and groundwater investigations have identified the presence of petroleum products in the area of these USTs.	SVOCs, ETPH, PAHs, AVOCs	Surface, Subsurface & Groundwater Investigation, March-May 1994; Building 332 and 342 Subsurface Investigation, August 1995; Building 332 Geoprobe Investigation, December 1998; Building 332 UST Closure, 1986	A petroleum release has been confirmed within this area. The presence of USTs presents a material threat of release of COCs to the subsurface.	Defined as AOC-4	Regular monitoring of groundwater monitoring wells in Area 4 for LNAPL.
5	Main & 306	TBD	Park Entry Area, Parcel 304 & Parcel 306	On-site storm water sewers are located in this area, which carry off-site storm water to the Mohawk River. Small amounts of free product were observed within an excavation adjacent to the north side of Building 306. In addition, free product was observed within observation well OW-2, located between Buildings 306 and 304, in 1998.	SVOCs, ETPH, PAHs, AVOCs	Building 306 Geoprobe Investigation, December 1998; Perimeter Investigation, November/December 1999 and January 2000.	A petroleum release has been confirmed within this area.	Defined as AOC-5	Install a soil boiring or two and/or test pit downgradient of OW-2. Sample both the new well and OW-2 for both VOCs and SVOCs.
6	Main & 344	TBD	Chlorinated Solvent Plume	A chlorinated solvent plume has been identified to be present between MW-19 and MW-51, running beneath Building 332 onto Parcel 344.	Chlorinated VOCs	Perimeter Investigation, November/December 1999 and January 2000; Site Investigation, Fall 2000 and Spring 2001.	A chlorinated solvent plume has been confirmed within this area.	Defined as AOC-6	Samples wells in area. May need to install a well downgradient of MW-51 to determine extent of impact. Sample for chlorinated VOCs.
7	Main	TBD	Erie Blvd. Substation Area	Leakage from substation transformers was observed on February 1, 1993. NYSDEC Spill No. 92-12366, was assigned.	Chlorinated VOCs, Mineral Oil &/or Transformer Oil	PCB Transformer Spill, February 1993; Groundwater Sampling, August 2009; PCB Test, October 2009	Due to the presence of transformers, a material threat of release of COCs to the ground surface exists.		None
8	Main, 342, 346	TBD	EVI Parcel	In 1997, SVOCs, PCBs and herbicides/pesticides were detected at concentrations above regulatory criteria in soil samples collected during an investigation completed as a portion of a voluntary agreement with the NYSDEC.	SVOCs, PAHs, ETPH, PCBs, herbicides/pesticides	Screening investigation July/august 1996, Subsurface Investigation May/June 1997, Remedial Excavation February 1998, Pilot Study March-December 2000; EVI Parcel Remediation/Excavation, February 1998.	A PCB release was confirmed within this area, although remedial activities have been completed.	Wetlands?	None
9A	Main, 342, 346	TBD	PCB Removal	PCBs were encountered during surface soil sampling on the north side of the building.	PCBs	Soil Excavation and Well Install Activities, September 2003	A PCB release was confirmed within this area, although remedial activities have been completed.		None
9B	Main, 342	TBD	Mercury Removal	Mercury was encountered during surface soil sampling on the west side of the building.	Mercury	Soil Excavation and Well Install Activities, September 2003	A mercury release was confirmed within this area, although remedial activities have been completed.		None
10	N / A	N / A	River - Bank / Sediment	Storm water from the City of Schenectady is discharged into the Mohawk River from multiple outfalls along the riverfront of the Park. In addition, a known release of fuel oil was discharged into the Mohawk River from an outfall along the riverfront of the Park.	SVOCs, ETPH, PAHs, AVOCs	Free Product Petroleum Recovery From Monitoring Wells MW-01 & MW-04, 1992-1994; Deployment of Oil Containment & Absorbent Booms in the Mohawk River, 1992-Present	The riverbank has been privy to releases which have occurred along the riverbank over the last century and it is unknown what the environmental condition of the riverbank is currently.		Sampling of riverbank/sediment may be necessary depending upon development plans.
11	300	TBD	Building 300	Former laboratory	Various	None	Laboratory facilities have been housed in this building and many types of chemicals have been used and stored within the building.		Sample building materials for HBM, ACM and UW. Depending upon results it may be necessary to collect soil sample near sanitary/storm connection and anywhere large amounts of chemicals were stored. Sample for VOCs, SVOCs, ETPH, metals and PCBs.
12	304	TBD	Building 304	This building has been used as a truck maintenance facility, a repair shop, a locomotive rebuild facility, a manufacturing facility, valve assembly and testing facility (included a paint booth and hydrostatic testing in steel trenches), a steel processing facility and as a drum storage area (located outside the southeast corner of the building). The building is currently owned by STS Steel.	ASB, LBP, UW, SVOCs, ETPH, PAHs, AVOCs, Metals	None	Due to the age and past usages of this building it is probable it contains one or more of the identified COCs.		Investigate area near drum storage. Identify what was stored and sample accordingly. Sample building materials for HBM, ACM and UW.
13	304	TBD	Building 304 UST	Three USTs located south of the building were reportedly closed in-place in 1986. It is unknown what was stored within these USTs.	SVOCs, ETPH, PAHs, AVOCs	Building 304 UST Closure, 1986	The presence of USTs presents a material threat of release of COCs to the subsurface.		Identify the former UST location and collect soil sample in vicinity of former USTs via test pit. Sample for VOCs, SVOCs, ETPH, Metals.
14	306	TBD	Building 306	This building formerly included manufacturing operations such as a drop forge, a central repair shop, a maintenance facility, a hospital (with an x-ray facility), a storage facility for stock materials and bar form, a sheet metal fabrication facility, a composite materials manufacturing facility and an electronics manufacturing facility.	HBM, ACM,, UW, SVOCs, ETPH, PAHs, AVOCs, Metals	Subsurface Investigation, December 1998	Due to the age and past usages of this building it is probable it contains one or more of the identified COCs.		Sample building materials for HBM, ACM and UW.
15	308	TBD	Building 308	Initially this building was used as a machine shop. Later this building was a research laboratory for testing diesel locomotives and an engineering, bar form, foundry pattern storage area. Most recently the building has been used for concrete reinforcing, bar cutting and bar bending.	HBM, ACM,, UW, SVOCs, ETPH, PAHs, AVOCs, Mercury, Other Metals	Geoprobe Investigation, April 1999	During the geoprobe investigation in 1999, petroleum stained soils were observed beneath the building, although none of the COCs detected exceeded the regulatory criteria.		Sample building materials for HBM, ACM and UW.
16	308	TBD	Building 308 UST	In 1986, two fuel oil USTs located west of Building 308 were abandoned in place by filling each one with sand or concrete. It is unknown is soil samples were collected prior to the UST abandonment activities.	SVOCs, ETPH, PAHs, AVOCs	Building 308 UST Closure & Transformer Removal, 1986 & circa 1988	The presence of USTs presents a material threat of release of fuel oil to the subsurface.		Collect soil samples near closed USTs to determine if impact in soil. Sample for fuel oil constituents.

Table 10
Recognized Environmental Conditions
ALCO-Maxon Site (Former Nott Street Industrial Park)
Schenectady, NY

REC #	Parcel	Operable Unit (OU)	REC Description	History	COCs*	Previous Investigation	REC Rationale	Comment	Additional Investigation
17	316	TBD	Building 316	This building formerly included blacksmith operations, a warehouse, a stockroom for assembly of turbine valves and a storage facility for production materials, fabric cutting and dyeing associated with a textile printing company.	HBM, ACM,, UW, SVOCs, ETPH, PAHs, AVOCs, Metals	None	Due to the age and past usages of this building it is probable that it contains one or more of the identified COCs. In addition, piping from the storm water conveyance system runs beneath the floor of the building and through a sump is piped to Building 318.		Sample building materials for HBM, ACM and UW. Depending upon results, collect soil samples beneath building in vicinity of storm water connections may be necessary.
18	Main	TBD	Building 318	This building has been used for shot blasting and cleaning and as an industrial wastewater treatment plant (IWWTP) and as a textile wastewater treatment plant. Currently, the building houses the IWWTP equipment, although it is inactive.	HBM, ACM,, UW, SVOCs, ETPH, PAHs, AVOCs, Metals	Site Investigation, Fall 2000 and Spring 2001.	The presence of the IWWTP presented a material threat of release of COCs to both the surface and subsurface. In addition, due to the age and past usage of the building, it is a strong possibility that it contains one or more of the identified COCs.		Sample building materials for HBM, ACM and UW. Depending upon results, collect soil samples beneath building in vicinity of storm water connections may be necessary.
19	Main	TBD	Building 320	This building formerly included a tank shop, a diesel locomotive subassembly and truck shop, a steam turbine diaphragm fabrication facility, an electro-hydraulic control assembly , testing and lagging facility, an oil tank assembly, copper parts machining and generator pipe fabrication facility, a pickling facility, a ferric phosphate sludge dewatering facility, a paint booth/storage area for paint and thinner and a drum and tote pack storage facility. Currently, the majority of the building is unoccupied, but the portion which is in-use, is used by a landscaper to store equipment, trucks and other miscellaneous vehicles.	HBM, ACM,, UW, SVOCs, ETPH, PAHs, AVOCs, Metals, pesticides, herbicides, fertilizers	Drilling Program, August 1992; Follow-Up Investigation, July - September 1992; Delineation Boring Program, October - November 1992; Surface, Subsurface and Groundwater Investigation, March - May 1994; Site Investigation, Fall 2000 and Spring 200; Perimeter Investigation, December/November 1999 and 2000.	Due to the age and past usages of this building it is probable that it contains one or more of the identified COCs.		Sample building materials for HBM, ACM and UW.
20A	Main	TBD	Building 320 UST	On November 25, 1995, a concrete UST of unknown capacity located adjacent to the south of Building 320 was removed. The UST previously contained pressure washing residue from manufacturing operations performed by General Electric within the building.	SVOCs, ETPH, PAHs, AVOCs	Site Investigation, Fall 2000 and Spring 2001.	The presence of this UST presented a material threat of release of COCs to the subsurface.		Identify the former UST location and collect soil sample in vicinity of former USTs via test pit. Sample for VOCs, SVOCs, ETPH, Metals.
20B	Main	TBD	Building 320 AST	An AST was formerly located north of Building 320. This AST contained an oily wash water rinse.	SVOCs, ETPH, PAHs, AVOCs	Site Investigation, Fall 2000 and Spring 2001.	The presence of this AST presented a material threat of release of COCs to the ground surface.		Install soil borings via test pits this area to determine the current impact levels. Collect soil samples above water table. Collect groundwater samples from pit and surrounding well. Locate and profile former AST/UST locations.
21	322	TBD	Building 322	This building formerly included shot blasting, miscellaneous storage, a garage, plastics machining, milk storage and milk product distributor stored food stuffs. The building is currently unoccupied.	HBM, ACM,, UW, SVOCs, ETPH, PAHs, AVOCs, Metals	Test Pit Excavations, July 1992; Drilling Program, August 1992; Follow-Up Investigation, July - September 1992; Delineation Boring Program, October - November 1992; Surface, Subsurface and Groundwater Investigation, March - May 1994; Site Investigation, Fall 2000 and Spring 2001; Free Product Petroleum Recovery from Monitoring Wells MW-01 and MW-04; 1992 - 1994; Deployment of Oil Containment and Absorbent Booms in the Mohawk River, 1992 - present; Monitoring Well MW-04 Pilot Bioventing System, December 1996.	Due to the age and past usages of this building it is probable that it contains one or more of the identified COCs.		Sample building materials for HBM, ACM and UW.
22	324	TBD	Building 324	This building formerly included a paint shop/paint booth which included a grit-blasting booth for locomotive manufacturing, a facility called West Paint Shop/Garage, a storage area for drums and tote packs on the south side of the building, a recycling facility for construction and demolition debris and a textile material storage facility. Currently the building is used for the storage of furniture. Storm sewer piping runs beneath the building to the adjacent Outfall A43 in the Mohawk River.	HBM, ACM,, UW, SVOCs, ETPH, PAHs, AVOCs, Metals	Drilling Program, August 1992; Follow-Up Investigation, July - September 1992; Delineation Boring Program, October - November 1992; Surface, Subsurface and Groundwater Investigation, March - May 1994; Site Investigation, Fall 2000 and Spring 200;	Due to the age and past usages of this building it is probable that it contains one or more of the identified COCs.		Sample building materials for HBM, ACM and UW.
23	Main	TBD	Buildings 326/328	From at least 1930 until 1990, these buildings were used as pump houses. Sometime between 1990 and 1999, the pump house operations in both buildings was discontinued. From 1999 through 2002, the buildings underwent abatement and the intakes from the Mohawk River were sealed. Buildings 326 and 328 have been unoccupied since 2002.	HBM, ACM,, UW, SVOCs, ETPH, PAHs, AVOCs, Metals	Building 328 Transformer Inspection, Removal & Follow-Up Investigation/Remediation, November 1992, January-February 1993 & May 1996	Due to the age and past usages of this building it is probable that it contains one or more of the identified COCs.		Sample building materials for HBM, ACM and UW.
24	300 / Main	TBD	Buildings 330/Addition	Building 330 was formerly used as a coal pulverizing facility, as a maintenance building for truck repair, an oil house and drum storage area and a permitted "less than 90-day" RCRA Hazardous Waste Storage Facility. This building was decommissioned in 1999, which included the removal replacement of six inches of the concrete floor and pressure washing the interior building walls. Following the decommissioning, STS Steel began using the building for steel fabrication. The addition was constructed in 2002.	HBM, ACM,, UW, SVOCs, ETPH, PAHs, AVOCs, Metals	Building 330 RCRA Closure Investigation, December 1997	Due to the age and past usages of this building it is probable that it contains one or more of the identified COCs.		Sample building materials for HBM, ACM and UW.
25	Main	TBD	Building 332	Building 332 was formerly used as a boiler shop, a general welding shop, and engine room, a blacksmith shop, engine welding shop, diesel engine chassis shop, chassis painting shop, a paint storage facility, a diaphragm finishing facility, general machine and equipment fabrication facility and oil tank assembly facility. The building is currently used by STS Steel.	HBM, ACM,, UW, SVOCs, ETPH, PAHs, AVOCs, Metals	Surface, Subsurface & Groundwater Investigation, March -May 1994; Building 332 and 342 Subsurface Investigation, August 1995; Building 332 Geoprobe Investigation, December 1998.	The oil tank assembly process included both manufacturing and painting. In addition, when parts were deburred, an electrochemical process was used. Due to the age and past usages of this building it is probable that it contains one or more of the identified COCs.		Sample building materials for HBM, ACM and UW.
26	Main	TBD	Building 334	This building formerly housed the fuel oil pump and sump.	HBM, ACM,, UW, SVOCs, ETPH, ASB, LBP, PAHs, AVOCs	None	Due to the age and past usages of this building it is probable that it contains one or more of the identified COCs.		Sample building materials for HBM, ACM and UW.
27	Main	TBD	Building 336	This building was used as the pump house for paint thinner, as the building was formerly located adjacent to two USTs used for paint thinner storage.	SVOCs, ETPH, PAHs, AVOCs		Due to the age and past usages of this building it is probable that it contains one or more of the identified COCs.		Sample building materials for HBM, ACM and UW.
28	Main	TBD	Building 336 UST	In 1986, two USTs used for the storage of paint thinner were closed. The specifics of the closure program are unknown.	SVOCs, ETPH, PAHs, AVOCs	Building 336 UST Closure, 1986	The presence of USTs presents a material threat of release of fuel oil to the subsurface.		Identify the former UST locations and collect soil sample in vicinity of former USTs via test pit. Sample for VOCs, SVOCs, ETPH, Metals.
29	Main	TBD	Building 338	Building 338 was formerly used as the gas meter house. The main natural gas line came into the Park via this building.	HBM, ACM,, UW	None	Due to the age and past usages of this building it is probable that it contains one or more of the identified COCs.		Sample building materials for HBM, ACM and UW.
30	Main	TBD	Building 340	This building was formerly used for the storage of diesel engine chassis materials, maintenance items, wastewater treatment materials and product service. In 1990, the building was used as a construction facility. Park personnel reported that a storage tank once occupied an area northwest of the building; however this has not been verified.	HBM, ACM, UW	None	Due to the age and past usages of this building it is probable that it contains one or more of the identified COCs.		Sample building materials for HBM, ACM and UW.
31	Main	TBD	Building 342	This building was formerly used as a boiler and engine room and power supply building, a treatment facility for boiler blow down water and for the storage of and use of boiler treatment and wastewater treatment chemicals. From 1998 through 2000, a general but incomplete decommission process was initiated. In addition, two ASTs, 500-gallon and 2,000-gallon, were reportedly located north and west of Building 342, although no information regarding their closure is available.	HBM, ACM,, UW, SVOCs, ETPH, PAHs, AVOCs	Building332 and 342 Subsurface Investigation, August 1995; Site Investigation, Fall 2000 and Spring 2001.	Petroleum was observed in a basement sump of Building 342 and was observed seeping through cracks in the foundation. Free product removal was initiated in August 1995. In addition to the petroleum concerns, due to the age and past usages of this building, it is probable that it contains one or more of the identified COCs.		Sample building materials for HBM, ACM and UW.

Table 10
Recognized Environmental Conditions
ALCO-Maxon Site (Former Nott Street Industrial Park)
Schenectady, NY

REC #	Parcel	Operable Unit (OU)	REC Description	History	COCs*	Previous Investigation	REC Rationale	Comment	Additional Investigation
32	Main	TBD	Building 342 AST	In 1999, a 300,000-gallon fuel oil AST located 100 feet east of Building 342 was decommissioned and dismantled. Following the removal of the AST, discolored soil was observed within the tank footprint.	SVOCs, ETPH, PAHs, AVOCs	Building 342 Fuel Oil AST Removal, March 2000	Soil samples collected from beneath the 300,000-gallon fuel oil AST indicated that the soil was impacted with petroleum.		None
33	344	TBD	Building 344	This building was formerly used for pipe and maintenance storage. It is currently used by a landscape company for unspecified activities.	HBM, ACM, UW, SVOCs, ETPH, PAHs, AVOCs, pesticides, herbicides, fertilizers	None	Due to the age and past usages of this building it is probable that it contains one or more of the identified COCs.		Sample building materials for HBM, ACM and UW.
34	346	TBD	Building 346	This building was formerly used as a lumber shed, an engine parts and machine shop, a diaphragm finish machining facility, a surplus machine storage area, a showroom for surplus machine tools, for steel fabrication and a pre-fabricated wall construction facility. It is currently used to prepare pre-fabricated re-bar structures. In addition, four former USTS located to the west of the building were reportedly closed in 1986 and a concrete structure located north of the building may have housed a 55-gallon oil drum collection.	HBM, ACM,, UW, SVOCs, ETPH, PAHs, AVOCs, chlorinated solvents	Site Investigation, Fall 2000 and Spring 2001.	Due to the age and past usages of this building it is probable that it contains one or more of the identified COCs.		Sample building materials for HBM, ACM and UW.

Notes: REC - recognized environmental condition
COC - constituent of concern
PCBs - polychlorinated biphenyls
SVOCs - semi-volatile organic compounds
ETPH - extractable total petroleum hydrocarbons
PAHs - poly-aromatic hydrocarbons
AVOCs - Aromatic volatile organic compounds
VOCs - volatile organic compounds
RCRA - Resource conservation and recovery act

*The reference to RECs as buildings refers to the structure of the building from the foundation up.
UST - underground storage tank
AST - above ground storage tank
bgs - below ground surface
NYSDEC - New York State Department of Environmental Conservation
HBM - Hazardous building materials
ACM - Asbestos containing materials
UW - Universal Waste
AOC - Area of concern

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APPENDIX B

WASTE MANAGEMENT PLAN

The waste management plan establishes procedures for proper collection, storage, transportation, and disposal of investigation-derived waste generated during specific activity or set of activities. As part of the work plan proposed in the Remedial Investigation Work Plan wastes will be generated on-site. These wastes may include:

- Soil removed from the subsurface during drilling activities
- Groundwater removed from the subsurface during monitoring well development and sampling
- Water used for the decontamination of equipment and sampling materials
- Used sampling equipment, and used personal protective equipment

Soil removed from the subsurface during drilling activities will be collected on-site in 55-gallon steel DOT rated drums. These drums will be appropriately labeled and stored on site during the duration of the drilling activities. Following completion of the drilling waste characterization samples will be collected from the drums and submitted for laboratory analysis. Following receipt of the laboratory analytical results a classification of the soil will be made. If the soil is not suitable for re-use on site the drummed soil will be relabeled based on the waste classification in accordance with 49 CFR 172 and will be transported by a waste hauler with appropriate certifications to an approved disposal facility. If the material is classified as hazardous the transportation and disposal will be conducted in compliance with 6 NYCRR Part 372 “Hazardous Waste Manifest System and Related Standards for Generators, Transporters and Facilities”.

Groundwater removed from the subsurface during well development and sampling along with water from the decontamination of equipment and sampling materials will be managed as a single waste stream. This water will be collected on site in 55-gallon steel DOT rated drums. These drums will be appropriately labeled and stored on site during the duration of the drilling and sampling activities. Following completion of the groundwater sampling waste characterization samples will be collected from the drums and submitted for laboratory analysis. Following receipt of the laboratory analytical results a classification of the water will be made. If the water is not suitable for on-site infiltration the water will be relabeled based on the waste classification 49 CFR 172 and will be transported by a waste hauler with appropriate certifications to an approved facility for treatment. If the material is classified as hazardous the transportation and disposal will be conducted in compliance with 6 NYCRR Part 372 “Hazardous Waste Manifest System and Related Standards for Generators, Transporters and Facilities”.

Used disposable equipment including sample tubing, polyethylene bailers, nitrile gloves, and soil scoops will be collected on-site in 55-gallon steel DOT rated drums. Following completion of the monitoring well installation and groundwater sampling this material will be transported by a waste hauler with appropriate certifications to an approved facility for disposal.

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APPENDIX C

HEALTH AND SAFETY PLAN

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SITE SPECIFIC HEALTH AND SAFETY PLAN

Maxon-Alco Holdings, LLC.
301 Nott Street
Schenectady, NY 12305

HASP REVISION 2
Revision Date: 5/24/2010

TABLE OF CONTENTS

HASP prepared by: Anna Smith, Senior Project Geologist

HASP approval: _______________________________

Project Manager Approval: Kurt A. Frantzen, PhD, CHMM______

KLEINFELDER

SITE HEALTH AND SAFETY PLAN
(For specific Procedures, Refer to KLEINFELDER's Site Health and Safety Procedures Manual)

I. PROJECT IDENTIFICATION

Project Name: Maxon-Alco Holdings, LLC | Project #: 107121

Address of Site: 301 Nott Street | Site ID#: NA

Client Contact: David Buicko | Phone: 518-356-4445

KLF Project Manager: Kurt Frantzen | Phone: 860-683-4200 ext 123

Health and Safety Oversight: Matthew Pickard | Phone: 845-567-6530

II. EMERGENCY CONTACTS

All field staff will coordinate with the security guar d, whenever present, at the entry to the park at 301 Nott St. at the start of each workday. Subsequently, in the event of an emergency staff and contractors will coordainte with the security guard.

Security Guard: **(518) 382-5840**

Police: 911 **Fire**: 911 **Ambulance**: 911

National Poison control Center: 800-222-1222
NY DOT: 511

Utilities:
Gas: National Grid - 1-800-892-2345
Electric: National Grid - 1-800-867-5222
Water: City of Schenectady - 518-382-5023

Dig Safe: 811

Medical Treatment Facility: Ellis Hospital **Phone** #: 518-243-4000
Address: 1101 Nott St. Schenectady NY

Directions from site: (see attached map showing location of hospital relative to site on page 3)

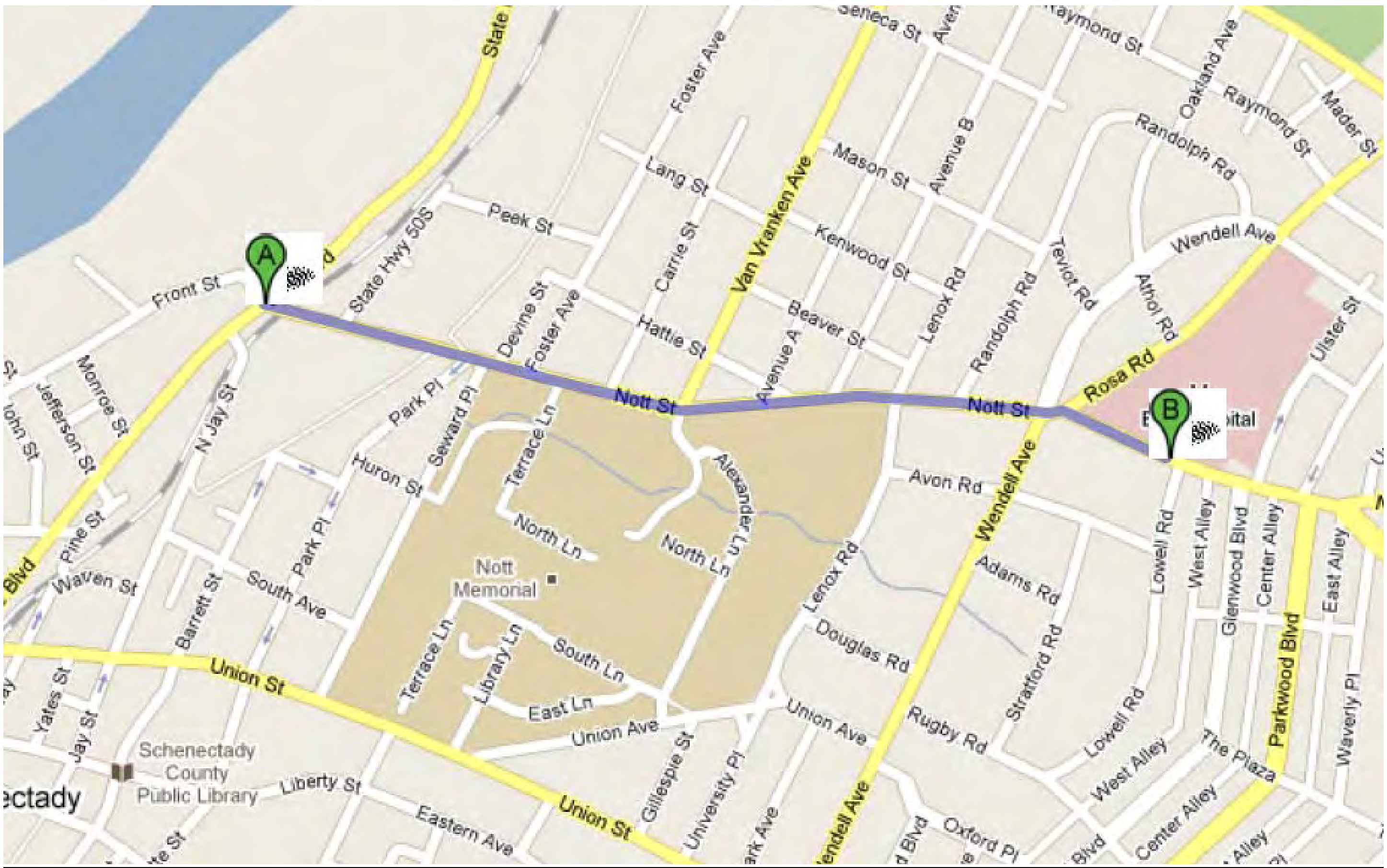
MAP TO HOSPITAL

Driving directions to Ellis Hospital
1.0 mi – about **2 mins**

301 Nott St
Schenectady, NY 12305

1. Head **east** on **Nott St** toward **Erie Blvd/Maxon Rd** 1.0 mi
   Destination will be on the left

Ellis Hospital
1101 Nott St
Schenectady, NY



III. SITE BACKGROUND INFORMATION (See attached site plan and map on page 6)

The site is a former Locomotive Manufacturing facility. The environmental investigation was initiated when petroleum hydrocarbons (fuel or diesel oil) were detected in the Mohawk River and traced to on-site soil and groundwater. The larger Site has been the subject of previous investigation, UST removals, and remediation. There is an LNAPL recovery system currently operating in an area of Parcel C of the larger site. There is currently no remediation ongoing within the areas of Parcels A or B.

Investigation activties that employees will conduct on site include soil and groundwater sampling, remedial system operation, soil boring advancement, monitoring well installation, test pit advancement, soil vapor point installation, groundwater monitoring, and soil vapor sample collection. The specific tasks associated with these activities are detailed in section IV.

Chemicals of concern (COCs) at the site include potential exposure to fuel oil, individual constituents of the stored substances identified above. Potential exposures to the COCs are through dermal contact when handling liquid petroleum hydrocaron (LPH) during removal from wells located on the site, soil and groundwater samples, and inhalation when exposed to fugitive emissions. (See Section V of this Plan). In addition, the site is accessible by Fork lift and tractor trailer truck traffic. Hazards associated with the remedial system operation include exposure to electrical and mechanical aspects of the system, exposure to free flowing LPH .

IV. ANTICIPATED TASKS TO BE PERFORMED: (Check all appropriate tasks.)

Task	Personnel/Contractors Performing Task
X__ Supervision of Soil Boring/Monitoring Well Installation	Subcontractor Personnel
X__ Gauging/Sampling of Monitoring Well	Kleinfelder Personnel
___ Assessment of Tank Excavation	______
X__ Supervision of General Construction	Kleinfelder Personnel
___ Trenching	______
___ Dry well excavation	______
___ Line replacement	______
___ Soil loading and transport, etc.	______
X___ Other	Kleinfelder Personnel
X__ Collection of Soil Samples	Kleinfelder Personnel
X__ Split spoon	Kleinfelder Personnel
X__ Hand auger	Kleinfelder Personnel
___ Grab Samples	
X__ Jar headspace	Kleinfelder Personnel
X__ Soil Vapor Survey	Kleinfelder Personnel
X__ Soil Vapor Air Sampling	Kleinfelder Personnel
____ Subslab Vapor Sampling	Kleinfelder Personnel
X__ External Ambient Air Sampling	Kleinfelder Personnel
___ Other	______
__ Remedial System Operation & Maintenance	______

___ OTHER:____

SITE MAP INSERT

Plate 4 of the RIWP (appended hereto) will be included in the field version of this HASP.

V. CHEMICAL HAZARDS/PPE (also refer to Kleinfelder Site Health and Safety Procedures sections 6.0, 7.0 and 9.0)

Level of PPE Required: X__D *Zones established*: ___ NA
___C ___Support (52) ___ Decontamination (CRZ)
___B* ___Ground Intrusive No Eating, Drinking, Smoking (EZ)

*Level C and B work MAY NOT be done under this HASP. Contact HSO for further direction and assistance!

Specific Site Entry/Access Procedures: If LEL concentrations are >5% LEL, all work must cease and area(s) evacuated.

Potential/Expected Exposure Constituents: (MSDS's are Attached as Appendix)

-

Contaminant	Source Location	Acute Exposure Symptoms	PEL/TLV Established	Action Level	Level of PPE/Specific PPE required
Liquid Petroleum Hydrocarbons (LPH)	Recovered from GWMW's & in recovery tank	Irritation of eyes, nose, skin; CNS depression; giddiness, nausea, headache	ACGIH TLV 300 ppm STEL 500ppm	Voluntary Action Level 150 ppm	If < Action Level, then Level D If > Action Level, then upgrade to Level C
# 2 Fuel Oil	As recovered from GWMW's	Irritation to skin, eyes, nose and respiratory tract. May cause dizziness headache,. Refer to attached MSDS	ACGIH TWA- 0.2 mg/m^3 as oil mist OSHA - 5 mg/m^3	Voluntary Action Level 2.5 mg/m^3	If < Action Level, then Level D If > Action Level, then upgrade to Level C
Naphthalene	As component of #2 Fuel oil	Eye nose throat irritant, head achs confusion, nausea	NIOSH – 10 ppm, STEL – 15 ppm OSHA 10 ppm	Voluntary Action Level 5 ppm	If < Action Level, then Level D If > Action Level, then upgrade to Level C
#4 Fuel Oil	As recovered from GW MW's	Irritation to skin, eyes, nose and respiratory tract. May cause dizziness headache,. Refer to attached MSDS	ACGIH TWA- 0.2 mg/m3 as oil mist OSHA 5 mg/ m3	Voluntary Action Level 2.5 mg/ m3	If < Action Level, then Level D If > Action Level, then upgrade to Level C

NOTE: IF ANY LEVELS EXCEED THE PEL/TLV BY MORE THAN 10X, ALL WORK MUST CEASE AND SPECIFIC VENTILATION PRACTICES OR RESPIRATORY PROTECTION METHODS EMPLOYED.

Air Monitoring Instruments to be Employed: (also refer to Kleinfelder HASP Manual, section 9.0)
Monitoring Instrumentation To Be Used:(SEE INDIVIDUAL PROCEDURES FOR MONITORING BELOW)

___ Combustible Gas Indicator ___ Radiation Survey Meter w/probe
___ Oxygen Meter ___ Particulate Monitor
___ Dual CGI and O2 ___ Dosimeter Badges
___ Flame Ionization Detector (calibration date:_____)
X__ Photo Ionization Detector (calibration date: at least twice per day (AM & PM)
___ Hydrogen Sulfide Detector
___ Colorimetric Indicator Tubes
___ Personnel Sampling Pump w/ media
X__ OTHER: Multirae (LEL Meter)

Specific Personnel Air Monitoring Procedures to be employed: Personnel air monitoring samples are to be collected in workers' breathing zone (18"-24" from m outh/nose) using the monitoring instruments specified above. Air monitoring shall be conducted prior to site activities and at least once every 2 hours. Sampling shall be be conducted continuously for 15 minutes per collection. Any sustained readings above the action level shall require notification of the Project Manager and Health & Safety Officer.

VI. Physical Hazards/Traffic Control (refer to Kleinfelder Site Health and Safety Procedures, section 5.0, 6.0,7.0, and 8.0)

Hazard Description	Location	Control Methods/ Protective Equipment
Slips, Trips, and Falls	Site Wide	Good Housekeeping
Traffic	Site Wide	Set up work area
Hand Safety	Site Wide	Wear Correct PPE
Use of tools	Site Wide	Inspect tools and be trained on how to use them.

Confined Space Entry? Y N (If Y, then a completed Confined Space Permit must be attached)
Description: ______

Illumination: __X__Adequate ______ Inadequate (if inadequate, describe illumination methods to be utilized):.______

Hot Work? Y N (If Y, then a Hot Work Permit MUST be completed and attached)
Description: Employ hot work permit for drilling monito ring wells and soil vapor samples and for advancing test pits.

VII. Decontamination Procedures (also refer to Kleinfelder Site Health and Safety Procedures section 12.)

Decontamination required: Personnel? Y N Equipment? Y N

Method of Decontamination/Procedures to be Implemented: Personnel decontamination will be removing gloves between samples and drilling locations. Equipment will be decontaminated by an alconox rinse followed by a water rinse. Then a methanol rinse followed by a final water rinse. All equipment will be decontaminated between sampling locations and drilling locations.

Method of disposal for Contaminated Materials: Soil cuttings will be drummed and shipped off-site via an approved waste transporter.

VIII. Training Requirements for Site Personnel (See Kleinfelder Site Health and Safety Procedures, Sect. 10)

In addition to initial site specific health and safety training, all Kleinfelder Project Field Team Members shall be required to be trained in accordance with 29CFR 1910.120, Hazardous Waste Operations and Emergency Response. Any other personnel visiting the site must check in with the HSO, or designee, for orientation and briefing of site hazards.

Supervisory personnel on-site and specialized site workers may be required to have been trained in accordance with 29CFR 1910.120, depending on the nature of their work, exposure potential, and specific type of activities being conducted. However, each will be trained on site-specific hazards, site conditions and emergency operating procedures as well as other pertinent topics prior to job initiation in the areas of environmental concern (AOEC). All personnel on-site are required to attend pre-work "tailgate" meetings. These meetings shall discuss Health and Safety items related to those activities.

In the event hazardous waste or other conditions are encountered in the AOEC requiring upgrade from level D, all activities in the AOEC will be stopped. Continuati on of work and entry into the AOEC will be conducted by personnel trained in accordance with 29 CFR 1910.120.

If respiratory protection is required, certification of mandatory training, medical monitoring and documentation of respirator fit testing shall be provided to the HSO before personnel are permitted on site. These records will be maintained as part of the permanent record.

IX. Loss/Near Loss/Injury Reporting

In the event of an injury, near miss, or incident, site personnel must **IMMEDIATELY:**

- Determine the need for medical treatment and administer First Aid. Immediately call 911 if an injury or illness is obviously serious.
- IMMEDIATELY stop operations and notify Kleinfelder contact on site.
- IMMEDIATELY notify Kleinfelder Project Management/Operations Manager.
- Complete Kleinfelder Loss/Near Loss Investigation report as soon as possible, describing the incident IN DETAIL.
- Refer to Kleinfelder Health and Safety Procedures for detailed responsibilities.

X. HASP REVISIONS/SITE CONDITION CHANGE FORM

Non-Conformance of Health and Safety Procedures/Comments regarding implementation:

____

____

____

Change in Site Conditions: ____

___ Site personnel notified and informed of changes on: Date/Time notified: ______________

___ Contractor Notification and Consent Form updated. Date performed: ________________

Plan of Action for Non-routine task/HASP Non-Conformance Issues/Change in conditions: _________

____

____

____

Incident Summary: ___ NA ___ Evacuation ___ Hazardous Material Over Exposure

__ Loss ___ Near Loss ___ OTHER:___________________

(complete Kleinfelder Loss/Near Loss investigation form, see Kleinfelder SOP Manual, SOP#15 for a complete analysis)

___ PM notified ___ Client notified ___ OSHA notified

___ HASP Revision Document Submitted to H&S Department for HASP revision:

Name of Submittor:____________________ DATE: ____________

Received By:_________________________ DATE: ____________

FORWARD TO HSO FOR HASP REVISION AS NECESSARY; FILE A COPY UNDER "SITE INSPECTION" IN AUDIT FILE

ATTACHMENT A – AIR MONITORING DATA OBSERVATION RECORD

PERSONAL AIR MONITORING/OBSERVATION RECORD
***To be used for Industrial Hygiene recordkeeping only**

Date: ____________________ SITE: **ALCO-Maxon Site**

Instruments: ____

AtmosphericConditions: ____

LOCATION/TIME	CALIBRATION START READING	CALIBRATION END READING	AREA SAMPLED	JOB TYPE

ATTACHMENT B: AUTHORIZATION FOR MEDICAL TREATMENT/PHYSICIAN'S REPORT

PLEASE RENDER TREATMENT TO: Employee ________________________________
for the illness/injury that occurred on: (Date) _______________________

____ Conduct an alcohol and drug screen (reasonable cause).

Describe nature and cause of illness/injury including the object, equipment or substance inflicting injury/illness:
(Attach copy of MSDS when a hazardous material is involved)

____
____

Authorized by:

___________________________________ _______________ __________
Signature & Title Telephone Date

PHYSICIAN'S REPORT

____

MEDICAL FACILITY: ____
ADDRESS: ____
Treating Physician: _________________________ Date of illness/injury: _____________

Previously treated? (Y / N) If yes, give dates_____________________________________
Diagnosis:(Industrial illness/injury only)____

Treatment:(Industrial illness/injury only)____
____
Prescription medication prescribed? Yes_____ No_____

Can employee return to work on next scheduled period? Yes_____ No_____
If no, what date can employee return to work? ___________________________
List any medical/physical restrictions: ____
Number of days of restricted activity: ____
The employee is able to return to regular work on: ____________________________________

Follow-up treatment required? Yes_____ No_____; Date___________________

Physician's signature: ____

EMPLOYEE MUST RETURN THIS RELEASE TO OPERATIONS OFFICE WITHIN 24 HOURS.

ATTACHMENT C: KLEINFELDER LOSS/NEAR LOSS INVESTIGATION REPORT

KLEINFELDER-EAST INCIDENT/INJURY/NEAR LOSS INVESTIGATION REPORT (Incident #)

SECTION 1: INCIDENT INFORMATION (SUBMIT TO DIV. H&S WITHIN 24 HOURS OF INCIDENT)

KLEINFELDER-EAST Office:
☐ Hamilton, NJ ☐ MA ☐ CT ☐ HV ☐ LI ☐ AL ☐ RO ☐ West Chester, PA
☐ FL ☐ MD ☐ Cranberry, PA ☐ Cinnaminson, NJ

BUSINESS CLIENT: ☐ NONE (KLEINFELDER-EAST Internal incident only)
☐ Client and region: ____

INCIDENT STATUS and TYPE:

☐ **Initial. Date submitted:** ___________

☐ **Final. Date submitted:**___________

☐ **V&V Complete; incident closed**

PERSONNEL INVOLVED
☐ **KLEINFELDER-EAST PERSONNEL** ☐ **SUB CONTRACTOR**
☐ **CONTRACTOR** ☐ **THIRD PARTY/GENERAL PUBLIC**

JOB TASK

☐ Carbon Changeout	☐ Gauging/Bailing	☐ Operations/Maintenance	☐ Subsurface Clearance
☐ Demolition	☐ Geoprobe	☐ Pavement Cutting	☐ System Install
☐ Dewatering	☐ Heavy Equip Ops	☐ Pump/Pilot Test	☐ System Startup
☐ Drilling	☐ Mobil Rem/Vac Event	☐ Rigging/Lifting	☐ UST Removal
☐ Excavation/Trenching	☐ Motor Vehicle	☐ Sampling	☐ Waste Management
☐ NAPL Recovery	☐ Other:____		

COMPANY NAME AND SUBCONTRACTOR COMPANY NAME (IF APPLICABLE)	**NAME OF EMPLOYEE INVOLVED**

DATE MM/DD/YY	**TIME** hh:mm ☐ **AM** ☐ **PM**	**# OF YEARS WORKED FOR COMPANY**	**# OF YEARS IN CURRENT POSITION**	**WAS ALCOHOL / DRUG USE SUSPECTED?** ☐ **YES** ☐ **NO**

INCIDENT LOCATION (CITY, STATE AND COUNTRY IF OUTSIDE THE U.S.)	**SITE / FACILITY / LOCATION ID#/ PROJ. #**	**SUPERVISOR'S NAME**

SUPERVISOR'S PHONE NUMBER	**CONTACT NAME**	**CONTACT PHONE NUMBER**		**DIVISION/CORP. NOTIFICATIONS MADE?** ☐ **YES** ☐ **NO**

NAMES OF OTHER INDIVIDUALS INVOLVED	**COMPANY NAME / # OF YRS. WORKING / # OF YRS. IN CURRENT POSITION / EXTENT OF INJURIES**

ESTIMATED COST OF INCIDENT: ☐ **< $500** ☐ **> $500**	**IF A SPILL / RELEASE - MATERIAL INVOLVED:**	**TOTAL QUANTITY:** ___ ___**U.S. GALLONS**

***SUMMARY DESCRIPTION OF INCIDENT / NEAR LOSS (INCLUDE THE SEQUENCE OF EVENTS, THE CAUSAL FACTORS TO EXPLAIN THE PROBLEM AND ALL PERTINENT FACTS ABOUT INJURY AND TREATMENT GIVEN, ACCIDENT, LOSS or NEAR MISS; RESPONSE ACTIONS TAKEN)**

BRIEF DESCRIPTION OF INCIDENT:

POTENTIAL LOSS/INJURY (if Near Loss):

BACKGROUND DETAILS (i.e. overview of activities being performed; locations; etc.):

SECTION 2: INCIDENT DETAILS

TYPE OF INCIDENT: (Check all that apply)

INCIDENT TYPES
- ☐ INJURY
- ☐ ILLNESS

------Severity Level------
- ☐ Fatality
- ☐ Lost Time
- ☐ Restricted Work
- ☐ Medical Treatment
- ☐ First Aid

ENVIRONMENTAL
- ☐ Spill / Release
- ☐ Permit Exceedance
- ☐ Fine / Penalty
- ☐ NOV
- ☐ Misdirected Waste
- ☐ Consent Order

PROPERTY DAMAGE
- ☐ Property Damage

IF DRUG/ALCOHOL TESTING WAS CONDUCTED, SUMMARIZE ACTIONS TAKEN/ TESTING (NOTE: ANY KA EMPLOYEE INVOLVED IN A MOTOR VEHICLE ACCIDENT, OR SUSTAINS AN INJURY REQUIRING PROFESSIONAL MEDICAL TREATMENT MUST SUBMIT TO A DRUG/ALCOHOL SCREEN).

EQUIPMENT INVOLVED: (Select all that apply)

Fixed – Piping, General
- ☐ Piping
- ☐ Piping, Hose

Fixed – Storage/Tankage
- ☐ Tank, Underground
- ☐ Tank, Underground Double Wall

Fixed - Vessel
- ☐ Drum, Separator, Vertical

Instrumentation – Instrument System
- ☐ Local Control Panel

Machinery – Drilling Equipment
- ☐ Drill Rig

Machinery - Pump
- ☐ Pump, Submerged

Support Equipment – Communication/Computing
- ☐ Audio Communication (Telemetry)

Support Equipment – Maintenance/Testing Tools
- ☐ Hand Tool, Hammer
- ☐ Hand Tool, Knife
- ☐ Hand Tool, Non Powered
- ☐ Hand Tool, Powered
- ☐ Hand Tool, Powered, Drill
- ☐ Hand Tool, Powered, Grinder
- ☐ Hand Tool, Powered, Hydraulic Torque
- ☐ Hand Tool, Powered, Saw
- ☐ Hand Tool, Powered, Wrench
- ☐ Hand Tool, Saw
- ☐ Hand Tool, Screwdriver
- ☐ Hand Tool, Shears
- ☐ Hand Tool, Shovel
- ☐ Hand Tool, Wrench
- ☐ Ladder, Extension
- ☐ Ladder, Platform
- ☐ Ladder, Step
- ☐ Maintenance Tool, General
- ☐ Space Heater, Electric

Support Equipment – Oil Spill Response
- ☐ Boom Material

Support Equipment – Remediation Equipment
- ☐ Blower
- ☐ Carbon Drum/Vessel
- ☐ Compressor
- ☐ Critical Equipment
- ☐ Drilling Equipment, Vacuum
- ☐ Exclusion Zone Equipment
- ☐ Fencing
- ☐ Filter
- ☐ Fire Extinguisher
- ☐ Manifold
- ☐ Oxidizer
- ☐ PPE - Eye
- ☐ PPE - Fall
- ☐ PPE - Foot
- ☐ PPE - Hand
- ☐ PPE - Head
- ☐ PPE - Hearing
- ☐ PPE - Respiratory
- ☐ PPE – Vest/Clothing
- ☐ PPE - Other
- ☐ Pumps (transfer, electrical)
- ☐ Remediation Shed/Trailer
- ☐ Separator
- ☐ Surge Tanks
- ☐ System - Air Sparging
- ☐ System - Carbon Treatment
- ☐ System - Chemical Oxidation
- ☐ System - Dual Phase Product Recovery
- ☐ System - Groundwater Pump and Treat
- ☐ System - Vapor Extraction
- ☐ System - Vapor Phase Treatment
- ☐ System - Other
- ☐ Well - Extraction
- ☐ Well - Monitoring
- ☐ Well - Recovery

Support Equipment – Sampling Equipment
- ☐ Bailer
- ☐ Geoprobe
- ☐ Hand Auger
- ☐ Photo-ionization Device
- ☐ Sample Container
- ☐ Split Spoon Sampler

Support Equipment - Snow Removal
- ☐ Snow Plow

Work Equipment – Crane
- ☐ Crane, Mobile

Work Equipment – Earth Moving Equip.
- ☐ Bulldozer
- ☐ Dump Truck
- ☐ Excavator/Power Shovel
- ☐ Front End Loader
- ☐ Grader

Work Equipment – Lifting Equipment
- ☐ Chain Block
- ☐ Forklift
- ☐ Hoist
- ☐ Hook/Clamp/Buckle etc.
- ☐ Jack
- ☐ Manlift/Basket/Cherry Picker
- ☐ Rope
- ☐ Sling
- ☐ Winch
- ☐ Wire Rope

Work Equipment - Transportation
- ☐ Automobile
- ☐ Tractor Trailer
- ☐ Truck, Flatbed
- ☐ Truck, Pick-up
- ☐ Truck, Tank Truck
- ☐ Truck, Vacuum

Other:____

TYPE OF INJURY/ILLNESS (OR POTENTIAL IF NEAR LOSS)
- ☐ Amputation/Avulsion
- ☐ Bruise/Contusion
- ☐ Burn - Chemical
- ☐ Burn - Thermal or Electrical
- ☐ Concussion/Unconscious
- ☐ Crush
- ☐ Cut/Scrape/Puncture
- ☐ Dislocation
- ☐ Foreign Object in Eye
- ☐ Fracture
- ☐ Hernia/Rupture
- ☐ Irritation
- ☐ Poisoning
- ☐ Sprain/Strain
- ☐ Sting/Bite
- ☐ Heat Stress/Exhaustion/Sunstroke
- ☐ Hypothermia
- ☐ Physical Agents - Radiation, etc.
- ☐ Repeat Trauma - CTS
- ☐ Repeat Trauma - Other Disorder
- ☐ Respiratory - Toxic Agents
- ☐ Skin Disease or Disorder
- ☐ Other ____
- ☐ Unknown

BODY PART AFFECTED (OR LIKELY PRIMARY INJURY IF NEAR LOSS)
- ☐ Abdomen/Groin
- ☐ Ankle
- ☐ Back/Spine
- ☐ Calf/Shin
- ☐ Central Nervous
- ☐ Chest
- ☐ Circulatory/Blood
- ☐ Ear
- ☐ Elbow
- ☐ Eye
- ☐ Face
- ☐ Fingers
- ☐ Foot
- ☐ Forearm
- ☐ Hand
- ☐ Hip
- ☐ Internal Organs
- ☐ Jaw
- ☐ Knee
- ☐ Neck
- ☐ Nose
- ☐ Respiratory
- ☐ Ribs
- ☐ Scalp
- ☐ Shoulder
- ☐ Skull
- ☐ Thigh
- ☐ Toes
- ☐ Tongue
- ☐ Tooth/Teeth
- ☐ Upper Arm
- ☐ Urinary
- ☐ Wrist

SOURCE OF INCIDENT

Body Position/Force
- ☐ Line of Fire
- ☐ Overexertion/Strain
- ☐ Personal Energy
- ☐ Struck Against Object
- ☐ Struck By Object

☐ **Buried**

☐ **Caught In, Under, Between**

Chemical Exposure
- ☐ Inhalation
- ☐ Ingestion
- ☐ Physical Contact

Contact By
- ☐ Animal/Insect/Plant
- ☐ Blood/Potentially Infectious Materials
- ☐ Electricity
- ☐ Noise
- ☐ Other Physical Agents
- ☐ Radiation
- ☐ Temperature Extremes

☐ **Drowning**

Falls
- ☐ Fall, From Elevation
- ☐ Fall, Same Level
- ☐ Slip or Trip Without Fall

☐ **Other**

☐ **Suffocate/Asphyxiate (Lack of Oxygen)**

☐ **Transportation Incident**

LOST TIME or RESTRICTED WORK:	START DATE	# OF ESTIMATED DAYS	# OF ACTUAL DAYS	☐No Reassignment ☐Permanently Reassigned ☐Temporarily Reassigned

ATTACHED INFORMATION: ☐**NEWSPAPERS** ☐**PHOTO** ☐**SKETCHES** ☐**VEHICLE REPORT (ATTACHMENT 21A)** ☐**OTHER**
(Check all that apply)

NAME OF OWNER	ADDRESS	PHONE

DESCRIPTION OF INJURY / DAMAGE

NAME	STREET ADDRESS	CITY/STATE	PHONE

AUTHORITIES NOTIFIED

PUBLICITY

COMMENTS

PREPARED BY	PREPARER'S TITLE	PHONE	DATE PREPARED MM/DD/YY

SECTION 3: INVESTIGATION INFORMATION

INVESTIGATION AND CONCLUSIONS: DESCRIBE IN DETAIL THE CAUSAL FACTORS; WHY THE INCIDENT OCCURRED AND IDENTIFY THE ROOT CAUSES

List all factors relevant to the incident

Brief summary of incident/near loss:

Potential loss/injury (if near loss):

Brief background description (i.e. locations; activities being performed; general background of task):

ROOT CAUSE ANALYSIS AND RECOMMENDATIONS: HOW TO PREVENT INCIDENT FROM RECURRING

FACTOR #	ROOT CAUSE #	Recommendations	PERSON RESPONSIBLE	AGREED DUE DATE	COMPLETION DATE

INVESTIGATION TEAM			
PRINT NAME	JOB POSITION	DATE	SIGNATURE

REVIEWED BY:			
PRINT NAME	JOB POSITION	DATE	SIGNATURE

SECTION 4: STEWARDSHIP ACTIONS

QUALITY REVIEW QUESTIONS

Were the root causes identified? ☐YES If no, explain: ____

Do root cause and recommendation "match?" ☐YES If no, explain:____

Is the recommendation feasible and maintainable? ☐YES If no, explain:____

Is this a repeat incident? ☐NO If yes, explain: ____

QUALITY REVIEWED BY: (See questions above)

PRINT NAME	JOB POSITION	DATE	SIGNATURE

RESULTS OF VERIFICATION AND VALIDATION

Verification: Were the solutions implemented? ☐YES ☐NO

VERIFICATION BY:

SOL #	VERIFIER'S NAME	JOB POSITION (COMPANY)	DATE VERIFIED	DETAILS	SIGNATURE

Validation: Were the solutions effective in addressing the root causes? ☐YES ☐NO

VALIDATION BY:

SOL #	VALIDATOR'S NAME	JOB POSITION (COMPANY)	DATE VALIDATED	DETAILS	SIGNATURE

KLEINFELDER
Bright People. Right Solutions.

APPENDIX D

NYSDOH INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY CENTER FOR ENVIRONMENTAL HEALTH

New York State Department of Health
Generic Community Air Monitoring Plan

A Community Air Monitoring Plan (CAMP) requires real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of each designated work area when certain activities are in progress at contaminated sites. The CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, its intent is to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, the CAMP helps to confirm that work activities did not spread contamination off-site through the air.

The generic CAMP presented below will be sufficient to cover many, if not most, sites. Specific requirements should be reviewed for each situation in consultation with NYSDOH to ensure proper applicability. In some cases, a separate site-specific CAMP or supplement may be required. Depending upon the nature of contamination, chemical-specific monitoring with appropriately-sensitive methods may be required. Depending upon the proximity of potentially exposed individuals, more stringent monitoring or response levels than those presented below may be required. Special requirements will be necessary for work within 20 feet of potentially exposed individuals or structures and for indoor work with co-located residences or facilities. These requirements should be determined in consultation with NYSDOH.

Reliance on the CAMP should not preclude simple, common-sense measures to keep VOCs, dust, and odors at a minimum around the work areas.

Community Air Monitoring Plan

Depending upon the nature of known or potential contaminants at each site, real-time air monitoring for volatile organic compounds (VOCs) and/or particulate levels at the perimeter of the exclusion zone or work area will be necessary. Most sites will involve VOC and particulate monitoring; sites known to be contaminated with heavy metals alone may only require particulate monitoring. If radiological contamination is a concern, additional monitoring requirements may be necessary per consultation with appropriate NYSDEC/NYSDOH staff.

Continuous monitoring will be required for all <u>ground intrusive</u> activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. "Periodic" monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) must be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a **continuous** basis or as otherwise specified. Upwind concentrations should be measured at the start of each workday and periodically thereafter to establish background conditions. The monitoring work should be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment should be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.

- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.

- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.

All 15-minute readings must be recorded and be available for State (DEC and DOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations should be monitored **continuously** at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.

- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

All readings must be recorded and be available for State (DEC and DOH) personnel to review.

June 20, 2000

P:\Bureau\Common\CommunityAirMonitoringPlan (CAMP)\GCAMPR1.DOC

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name ________________________________ Date/Time Prepared _____________

Preparer's Affiliation ____________________________ Phone No.____________________

Purpose of Investigation____

1. OCCUPANT:

Interviewed: Y / N

Last Name: ______________________ First Name: ______________________

Address: ____

County: _______________

Home Phone: __________________ Office Phone: __________________

Number of Occupants/persons at this location ______ Age of Occupants ____________________

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y / N

Last Name: ______________________ First Name: ______________________

Address: ____

County: _______________

Home Phone: __________________ Office Phone: __________________

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	Commercial/Multi-use
Industrial	Church	Other: _______________

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_______________

If multiple units, how many? ________

If the property is commercial, type?

Business Type(s) ______________________________________

Does it include residences (i.e., multi-use)? Y / N If yes, how many? ______

Other characteristics:

Number of floors______ Building age______

Is the building insulated? Y / N How air tight? Tight / Average / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

____

____

____

Airflow near source

____

____

____

Outdoor air infiltration

____

____

____

Infiltration into air ducts

____

____

____

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	concrete	stone	brick
b. Basement type:	full	crawlspace	slab	other ________
c. Basement floor:	concrete	dirt	stone	other ________
d. Basement floor:	uncovered	covered	covered with _______________	
e. Concrete floor:	unsealed	sealed	sealed with ________________	
f. Foundation walls:	poured	block	stone	other ________
g. Foundation walls:	unsealed	sealed	sealed with ________________	
h. The basement is:	wet	damp	dry	moldy
i. The basement is:	finished	unfinished	partially finished	
j. Sump present?	Y / N			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: ________(feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

____

____

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other ___________

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: _____________________________

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other___________
Air conditioning:	Central Air	Window units	Open Windows	None

Are there air distribution ducts present? Y / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

____

____

____

____

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	______________________
1st Floor	______________________
2nd Floor	______________________
3rd Floor	______________________
4th Floor	______________________

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. **Is there an attached garage?** Y / N

b. **Does the garage have a separate heating unit?** Y / N / NA

c. **Are petroleum-powered machines or vehicles stored in the garage** (e.g., lawnmower, atv, car) Y / N / NA Please specify____________________

d. **Has the building ever had a fire?** Y / N When?__________________

e. **Is a kerosene or unvented gas space heater present?** Y / N Where? __________________

f. **Is there a workshop or hobby/craft area?** Y / N Where & Type? __________________

g. **Is there smoking in the building?** Y / N How frequently? _________________

h. **Have cleaning products been used recently?** Y / N When & Type? __________________

i. **Have cosmetic products been used recently?** Y / N When & Type? __________________

j. Has painting/staining been done in the last 6 months? Y / N Where & When? ________________

k. Is there new carpet, drapes or other textiles? Y / N Where & When? ________________

l. Have air fresheners been used recently? Y / N When & Type? _________________

m. Is there a kitchen exhaust fan? Y / N If yes, where vented?_____________

n. Is there a bathroom exhaust fan? Y / N If yes, where vented?_____________

o. Is there a clothes dryer? Y / N If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / N When & Type?__________________

Are there odors in the building? Y / N
If yes, please describe: ____

Do any of the building occupants use solvents at work? Y / N
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? ____

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) No
Yes, use dry-cleaning infrequently (monthly or less) Unknown
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y / N Date of Installation: _____________
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply:	Public Water	Drilled Well	Driven Well	Dug Well	Other: _______
Sewage Disposal:	Public Sewer	Septic Tank	Leach Field	Dry Well	Other: _______

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: ______________________________________

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

First Floor:

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: ______________________________________

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

APPENDIX E

INVESTIGATION TEAM QUALIFICATIONS

INVESTIGATION TEAM

Project Manager – Kurt Frantzen

Asst Project Manager – Ben Rieger

Field Manager – Anna Smith

Health & Safety – Matthew Pickard

KLEINFELDER
Bright People. Right Solutions.

KURT A. FRANTZEN, PHD, CHMM

Risk Analysis & Toxicology Eastern Division Practice Leader

Education

- PhD, Life Sciences/ Biochemistry, University of Nebraska, Lincoln
- American Cancer Society Post-Doctoral Fellowship, Univ. of Washington, Seattle (1985-1986)
- MS, Plant Pathology, Kansas State University, Manhattan
- BS, Biology, University of Nebraska, Omaha

Registrations

- Certified Hazardous Materials Manager (CHMM), 2007, #14143

Professional Affiliations

- Society for Risk Analysis
- American Association. for the Advancement of Science
- American Chemistry Society
- American Institute of Biological Sciences

Recent Publications

- Editor and senior author of Risk-Based Analysis for Environmental Managers printed by Lewis Publishers/CRC Press in 2001

Recent Invited Presentations

- Remedying Risk to Achieve Redevelopment, Lecture to the Land Reclamation and Technology Course, Harvard University, Graduate School of Design, Boston, MA, March 2008, March 2007, March 2006 & March 2005
- Managing the Risks in Redeveloping Brownfields Sites, Co-taught Lecture for the Brownfields Course, NJIT, Newark, NJ, February 2008, Co-Lectures: MH Marcus and JJ Campanile

Summary of Experience

Using risk-based approaches that limit remedial cost, Dr. Frantzen serves clients by interfacing science, engineering, and planning to resolve complex property contamination matters. With extensive risk assessment experience and with large investigation/remediation project management experience, he is a hands-on practitioner achieving high equity results for clients. A biochemist by training, he has twenty years of experience in environmental risk analysis, hazardous waste site / Brownfields investigation / remediation, environmental R&D, and cost accountable management. He has worked on state-led, Superfund, DOE and DOD sites around the US.

Select Project Experience

SELECT RISK ASSESSMENT EXPERIENCE

Screening Ecological Risk Assessment for Owens Dry Lake Evaluating Potential Impacts from Two Dust Control Measures, Keeler, CA, 2007
Risks associated with stressors (chemical, physical, habitat and others) arising from the application of the dust control measures: shallow flooding, and moat and row. For Great Basin Unified Air Pollution Control District via Sapphos Environmental, Inc.

Baseline Ecological (Fish and Wildlife Resource) Risk Assessment of Al Tech/REALCO Incorporated Site, Dunkirk, NY, 2006
Risks associated with PCB release to off-site stream and wetland. For NYSDEC via Benchmark Engineering and Environmental Sciences, PLLC.

Screening Ecological Risk Assessment for Peter Cooper/Markhams Site, Dayton, NY, 2005
Assessment of upland and wetland resources at hide/glue manufacturing waste landfill containing chromium, arsenic, zinc and various organic solvents. For PRP Group via Benchmark EE&S, PLLC.

Zoning Variance Opinion Letter Concerning Storage of Isopropyl Alcohol, Boston, MA, 2004
Addressed potential impacts from a future alcohol release at a warehouse property. For Gutierrez Company.

Environmental Risk Management Review of a Mercury-Contaminated Building Planned for Office Space, Danvers, MA, 2000 – 2001
Evaluated the former OSRAM Sylvania Manufacturing Facility: reviewed investigation data, remedial effort and post-remedial clearance data; developed comparative internal surface (floor, wall and ceiling) health risk-based criteria; advised on cleanup efficiency. For private redeveloper.

Development and Negotiation of Cleanup Goals for the Nof-Yam Explosives and Propellants Facility, Herzeliya, Israel, 1996
Part of the Remedial Investigation and Feasibility Study for the decommissioning, demolition, and redevelopment of the facility. This was the first set of cleanup goals developed for a large (45-hectare) contaminated site along the Mediterranean coast (near the ancient city of Apollonia -Arsuf) worth US$3 Billion. Negotiations conducted with the Senior Deputy Director General of the Ministry of Environment. For Israel Military Industries.

Ecological Risk Assessment for the Hinkley Site, CA, 1988
Natural gas transmission pipeline compressor station in Mojave Desert with hexavalent chromium release to groundwater. Evaluated fate and transport, the baseline ecological risks and risks associated with remedial alternatives. Concept creator of the implemented remedial alternative that involved pumping and treatment by natural attenuation. For Pacific Gas and Electric Co.

SELECT BROWNFIELDS AND PROPERTY MANAGEMENT EXPERIENCE

Nott Street Industrial Park, Schenectady, NY, 2001-present
Environmental oversight, Park is under Stipulation and VCA. For Schenectady Industrial Corp.

Orangetown Shopping Center, Orangeburg, NY, 2004-present
Environmental site assessments (Phase I-Phase II Site Characterization to date), and NYS BCP support to assess nature and extent and remediate a chlorinated solvent release. For JLJ Management.

Environmental Management Support, Beacon Parcel Development, Marlborough, MA, 2005-present
Performed site assessment, prepared Soil Management Plan, provided technical communication support, to assist in site development and to address residual pesticides (lead arsenate, DDT, and dieldrin) in the soils of a former orchard site. The Gutierrez Company, Burlington, MA

Risk Appraisal of Large Land Tract for Development, Virginia Beach, VA, 2002-2003
Appraised environmental liabilities associated with 400-acre undeveloped tract near a mixed residential and university setting in preparation of development, as part of an overall real estate feasibility study. Included a Phase I ESA update for the entire property and risk profiling and liability estimation for the specific 50-acre site slated for initial development. For CBN.

Risk Appraisal of Transit Depot/Garaging Facility, Richmond, VA, 2002
Appraised environmental liabilities associated with 6-acre transit facility in a highly urban area in use for >100-years, as part of an overall real estate feasibility study. Included Phase I ESA, risk profiling, and liability estimation. For Greater Richmond Transit Company.

SELECT MANUFACTURED GAS PLANT EXPERIENCE

Environmental Risk Management Program Consultant (1993–2004)—portfolio of former MGP sites and ancillary properties for Brooklyn Union and KeySpan
Scope: M&A due diligence, RI/FS, exposure/risk assessment (soil / garden / groundwater / sediment / surface water / indoor & ambient air), cleanup goal development, insurance & litigation support, participated in strategic and tactical planning and negotiations, served as technical spokesperson in public forums. Significant experience with NY (e.g., Coney Island, Bay Shore, Glenwood, Newtown, Clifton, Sag Harbor, Rockaway) and MA (e.g., Everett) sites.

Method 3 Risk Characterization & FS Support, Lawn Street & Mendon Road Sites, Attleboro, MA
Ferricferrocyanide disposal, for Eastern Utilities/Blackstone Valley Electric Corp.

Baseline Risk Assessment for former MGP site, Plattsburgh, NY (NYSEG)

Method 3 Risk Characterization for a former MGP site in Southbridge, MA (Mass Electric)

Risk Evaluation of two small former MGP sites, Downstate NY (Orange and Rockland Utilities)

RI/Risk Assessment Support, former MGP sites, St Augustine and Sanborn, FL (AGL)

Risk Assessment & Cleanup Goal Development, former MGP site, Cambridge, MD

Public Health and Environmental Evaluation and Cleanup Goal Negotiation for the Midway-Bayshore Site, Daly City, CA (PG&E)

SELECT LITIGATION EXPERIENCE

PRP Cost Recovery Action under RCRA, Niagara Falls, NY, 2006
Expert testimony [deposition] concerning imminent and substantial endangerment.

Environmental Insurance Claim Litigation, Providence, RI, 2006
Technical strategy and expert opinion concerning: operational perspectives/industrial usage of chlorinated ethenes and environmental chemistry and investigative methods in the early 1960s.

Risk Appraisal of Retail Fuel Oil Business Property under Probate, Medway, MA, 2004
Environmental liability assessment and estimation.

Beryllium Exposure Reconstruction, Ohio, 2003
Developed technical analysis to support expert opinion.

Environmental Insurance Claim Litigation, New York, NY, 2003
MGP site, fact deposition.

Asbestos Exposure Reconstruction, New York, NY, 2003
Technical analysis for expert opinion.

Environmental Damage Claim, 1994, 1996-1997
Technical justification of claim for intermediate term and chronic public health effects from Gulf War I; Part of Kuwait's reparation process against Iraq under the United Nations Claims Commission.

Risks from Dioxin and Other Emissions From Tooele Chemical Agent Disposal Facility, 1996
US District Court/Utah Central Division Civil #2:96-CV-425C. Technical analysis for expert opinion.

Toxic Tort Litigation Associated with the Midway-Bayshore Site, Daly City, CA, 1995
Technical analysis for expert opinion.

Natural Resource Damage Assessment: Integration into the Remedial Investigation/Feasibility Study Process, INEEL DOE-Idaho, 1994

Natural Resource Damage Claim Vulnerability Analysis, INEEL DOE-Idaho, 1993

BENJAMIN RIEGER, LEED, AP
Project Manager

Education
- BS, Biology, Houghton College, New York, 1997
- MS, Environmental Studies, State University of New York System: College of Environmental Science & Forestry, New York, 2002

Registrations
- LEED, U.S. Green Building Council, December 2007

Professional Affiliations
- Environmental Professionals of Connecticut (EPOC)
- Real Estate Finance Association
- The Real Estate Exchange
- International Council of Shopping Centers (ICSC)

Publications and Presentations
- Presentation, "Onieda Indian Use of the Canastota Mucklands", SWS 2002 Annual Meeting
- Presentation, "Wetland Heritage Values of the Canastota Mucklands", NYS Wetlands Forum, Spring 2002

Summary of Experience
Mr. Rieger is currently a project manager, based out of Kleinfelder's Connecticut and Massachusetts offices. His responsibilities include development and management of new client relationships and the management of multiple environmental assessment, remediation and natural resource projects in New England.

Prior to his current role, Mr. Rieger served as program manager for a petrochemical client. His responsibilities included management of junior and senior staff working on more than 160 environmental projects across the New England region, programmatic client account management, scope of work and cost development, project coordination and implementation, direction and oversight of field activities and report preparation and review.

Mr. Rieger oversees environmental data warehousing and geographic information systems in the Connecticut office. In this capacity Mr. Rieger facilitates the collection of spatial data and the integration of spatial data with an EPA Region 5 format environmental database.

Mr. Rieger has conducted and supervised subsurface investigations on more than 50 commercial sites in Connecticut, Massachusetts, New Hampshire, New York, Rhode Island and Maine. Responsibilities have included historical and regulatory research, wetland delineation and ecological resource assessment, NEPA reviews, environmental permitting, design and implementation of sampling programs for soil, soil vapor and groundwater, well installation (monitoring wells, multi-level piezometers, bed rock wells), data evaluation and report preparation and review.

Mr. Rieger has participated in the design and overseen the implementation of wetland enhancements and constructed wetlands.

Mr. Rieger has extensive experience in evaluating the ecological and cultural values of wetland systems.

Mr. Rieger has installed environmental remediation systems to address soil and groundwater contamination at various petroleum sites in Connecticut, Rhode Island and New Hampshire. These installation included contractor safety oversight and system performance optimization during the initial period of operation.

Select Project Experience

Stoningtion, CT – Breslin Realty Development Corp.
Mr. Rieger conducted pond ecosystem impact analysis including and analysis of the pond hydro period following rain events pre and posted development and an evaluation of the potential impacts to the biota associated with this wetland community. Mr. Rieger provided support in the permit application process and through a series of public hearings gained approval for the project.

Old Lyme, CT – Region 18 School District
Mr. Rieger conducted a wetland impact assessment and tidal influence evaluation in support of a IWWC permit application to discharge athletic field and running track drained to the upland review area adjacent to the Duck River. Mr. Rieger provided testimony to the IWWC and responded to the concerns of the neighboring property owners during pubic hearing. The permit was approved with conditions recommended by Mr. Rieger. Mr. Rieger also provided planning plans and construction document narrative in support of the stormwater management plan for this project.
Manchester, CT – Optasite Tower
Mr. Rieger oversaw the preparation of a Phase I Environmental Site Assessment, NEPA and SHPO documents associated with the FCC filing for the proposed tower location. Mr. Rieger provided testimony regarding natural and cultural resource impacts to the Connecticut Siting Council in support of this project.

Stratford, CT – Confidential development site
Mr. Rieger conducted initial environmental due diligence for the site and worked with the project ecologist to establish wetland lines. Mr. Rieger supported an appeal for wetland variance to the town commission including presentation at public meetings to address public questions and questions from the opposition's attorney.

Stonington, CT – Confidential development site
Mr. Rieger conducted a Connecticut Wetland Delineation for a 54-acre parcel abutting the Shunock River under the supervision of a Connecticut Certified Soil Scientist

Multiple locations, CT – Southern Connecticut Gas SPCC planning
Mr. Rieger conducted regulatory analysis on behalf of Southern Connecticut Gas, worked with the Connecticut Department of Environmental Protection (CTDEP) to clarify ambiguities in the regulations and developed SPCC plan recommendations for Southern Connecticut Gas to include in their SPCC plans.

Canastota Muck Lands, Canastota, NY
Mr. Rieger conducted a natural and cultural resources review for the wetland complex in for the Great Swamp Conservancy in support of a US FWS and NRCS wetland conservation and constructed wetland project. The resources review included current and historical wetland system values.

MTBE Impacted Bedrock Aquifer
Mr. Rieger oversaw groundwater monitoring and remedial system operation for a property currently under a CTDEP Consent Order. Evaluated data from site monitoring wells and twenty three active drinking water wells; managed interaction with State and local regulators and residents. The groundwater extraction system pumped and treated in excess of six million gallons of water. Contaminant concentrations surrounding bedrock wells decreased by four orders of magnitude during system operation.

Emergency Spill Response Activities

Mr. Rieger served as incident commander for a 21,000-gallon gasoline release in Rhode Island. Gasoline was release to groundwater surface in an excavation due to contractor error. Mr. Rieger coordinated response contractors, Rhode Island Department of Environmental Managemnet (RI DEM) spill response staff, two fire companies and Kleinfelder staff during the incident. Mr. Rieger was responsible for the Health and Safety of all personnel on site and in the surrounding neighborhood. Over the first two days of the response action approximately 18,000 gallons of gasoline was recovered.

Multi Site Property Transaction Due Diligence

Mr. Rieger oversaw a dedicated project team which conducted thirty Phase 1 Environmental Site Assessments to support the sale of a group of commercial properties. To allow his client adequate time for document review and decision making within the contract due diligence period these assessments were completed within 35 days of project initiation.

New York State Brownfields Program Chlorinated Solvent Assessment

Working as part of a project team, Mr. Rieger developed a site assessment plan including multilevel groundwater monitoring wells installed using sonic drilling, analysis of naturally occurring dehalogenating bacteria by polymerase chain reaction, and subslab and indoor air quality sampling. This plan went through public comment and New York Department of Environmental Conservation and Department of Health review prior to approval. Mr. Rieger is currently managing the execution of the work plan.

ANNA SMITH

Geologist

Education

- BS, Geology, Rensselaer Polytechnic Institute, 2003

Summary of Experience

Ms. Smith is currently a Geologist at GSC|Kleinfelder. Her responsibilities in this position include management of junior staff, scope of work and cost development, project coordination and implementation, direction and oversight of field activities and technical report preparation for eighteen active environmental sites. Her area of expertise is planning, coordination and implementation of assessment and investigation projects.

Ms. Smith has conducted and/or supervised a variety of Environmental Site Assessments (ESAs) on commercial properties throughout Connecticut and Rhode Island. These assessments involved historical and regulatory research, design and implementation of sampling programs for soil, soil vapor and groundwater, the planning, coordination and oversight of all field activities, including impact assessment, subsurface investigation, soil excavations and geotechnical sampling. Ms. Smith's responsibilities have also included soil vapor extraction and pump and treat system design, permitting, installation and safety oversight. Ms. Smith is also involved with all applicable report generation for clients and working closely with the Connecticut Department of Environmental Protection (CTDEP), the Connecticut Department of Transportation (CTDOT) and the Rhode Island Department of Environmental Management (RIDEM).

Select Project Experience

Emergency Response/Site Assessment and Remediation, Retail Petroleum Facility, Narragansett, Rhode Island

Ms. Smith assisted in the immediate emergency response after a large product loss. Following the immediate response Ms. Smith coordinated and directed six different contractors to mitigate the impact to the surrounding residential area. Vertical and horizontal delineation of soil and groundwater was conducted, as well as classification and characterization of all soils. Following the site assessment, Ms. Smith coordinated a temporary pump and treat remediation system installation while designing and conducting cost development for a long term pump and treat and soil vapor extraction system. This project included scope of work development, financial planning and cost development, field oversight of soil boring and monitoring well installation utilizing direct push and hollow stem auger methods, remediation system design, permitting and installation at an active retail petroleum facility, communication with regulatory agencies, and health and safety oversight. Ms. Smith was required to work very closely with local authorities and utilities, as well as with state agencies regarding construction and permitting.

Subsurface Investigation, Former Retail Petroleum Facility, Cromwell, CT

Ms. Smith planned, coordinated and conducted a subsurface investigation at a former retail petroleum facility after MTBE was detected in a nearby potable well. The investigation included the vertical and horizontal delineation of soil and groundwater, geotechnical sampling and geophysical logging of a bedrock borehole to determine the bedrock geology in the immediate area of the former facility. Ms. Smith was responsible for work plan development, bid solicitation/review, contractor selection, contractor management/oversight, soil sampling, classification and characterization utilizing the Unified Soil Classification System (USCS), waste disposal management, evaluation of soil and ground water quality data and evaluation of geotechnical data.

Once the results of this investigation were reviewed, Ms. Smith was responsible for the coordination and oversight of the installation of a potable treatment system on a residential well. Coordination of the installation of a city water main on a residential street and the connection of the residence to that water main have also recently been completed.

Site Assessment/Investigation, Former Retail Petroleum Facility, Greenwich, CT

Ms. Smith conducted an environmental site assessment at a property which had stored petroleum products for more than eighty years. The purpose of the assessment was to determine the level of petroleum and MTBE impact on the property and then delineate the horizontal and vertical limits of the impact. The initial investigation determined that impact was migrating off-site and therefore another investigation was conducted on off-site properties.

Ms. Smith was responsible for scope of work development, financial planning, contractor selection and management, coordination with current property owners, off-site access and permitting, field activity/contractor oversight, USCS soil characterization, evaluation of data and groundwater modeling and health and safety oversight.

These investigations lead to the installation of a remediation system and continued environmental monitoring.

MATTHEW W. PICKARD, C.I.H.
Divisional Safety Manager

Education

- BS, Environmental Toxicology/Industrial Hygiene, Clarkson University, 1999

Registrations

- Certified Industrial Hygienist (C.I.H.), No. 9240CP, American Board of Industrial Hygienists, 2006

Certifications

- OSHA 40-Hour HAZWOPER
- Loss Prevention System Training Certification

Professional Affiliations

- Member of the American Society of Safety Engineers
- Member of American Industrial Hygiene Association

Seminars/Training

- Emergency Program Manager IS-1. This independent study course provides an introduction to Comprehensive Emergency Management (CEM) and the Integrated emergency Management System (IEMS).
- Emergency Preparedness IS-2. This independent study course provides an advanced level of Comprehensive Emergency Management (CEM) and the Integrated emergency Management System (IEMS).
- Radiological Emergency Management IS-3. This independent study course is intended to provide individuals with an overview of several types of radiological emergencies.

Summary of Experience

Mr. Pickard is the Divisional Health and Safety Manager for the Great Lakes Region. He is a Certified Industrial Hygienist, and is based out of the Newburgh, NY, office. He is responsible for the management of the corporate health and safety program in nine area offices, and in addition, he is also responsible for the development and delivery of industrial hygiene services. His fields of competence include occupational health and safety program development, compliance and liability auditing, employee work task hazard evaluations, building decontamination and demolition, safety and industrial hygiene management, and accident investigation.

Select Project Experience

HEALTH AND SAFETY MANAGEMENT PROJECT EXPERIENCE

St. Lawrence River PCB Remediation Project - From 9/1/2001 To 9/16/2002
Mr. Pickard managed the health and safety for all land based operations involving 50 people at the St. Lawrence River PCB Remediation Project. This included, conducting scheduled and unscheduled field audits to ensure worker compliance with mandated health and safety/personal protective equipment procedures. Additionally, Mr. Pickard was responsible for health and safety plan development and compliance including field investigative techniques and accuracy of sampling methodology, equipment calibration and quality control procedures during the performance of remedial investigations.

Demolition of Defense Supply Center for the Department of Defense - From 2/1/99 To 8/2/99
Mr. Pickard managed the health and safety for demolition activities involving 20 people at the Demolition of the Defense Supply Center. This included, conducting scheduled and unscheduled field audits to ensure worker compliance with mandated health and safety/personal protective equipment procedures. Additionally, Mr. Pickard was responsible for health and safety plan development and compliance including field investigative techniques.

Implosion of Three Rivers Stadium City of Pittsburgh - From 1/1/2001 To 5/22/2001
Mr. Pickard managed the health and safety of 200 individuals and 30 different subcontractors over three shifts at the Implosion of Three Rivers Stadium Project. Mr. Pickard's duties included, coordination of subcontractor activities, conducting scheduled and unscheduled field audits to ensure worker compliance with mandated health and safety/personal protective equipment procedures. Additionally, Mr. Pickard was responsible for health and safety plan development and compliance including field investigative techniques and accuracy of sampling methodology, equipment calibration and quality control procedures during the performance of remedial investigations.

New York City Transit Authority, Long Island Rail Road and Metro North Rail Roads - From 9/1/2002 To 9/2/2003
Mr. Pickard managed the health and safety of 200 individuals at multiple rail yards within the New York City Metropolitan area during the installation of new subway cars for the NYCT A, Long Island Railroad, and Metro North Rail roads. Mr. Pickard was responsible for the generation and institution of a uniform Blue Flag Policy within his organization. Additionally, Mr. Pickard generated and instituted formal a Job Hazard Analyses Policy.

Environmental Health and Safety Audits for General Electric and NBC Universal
Mr. Pickard reviewed on-site records for injuries, training, and process specific activities. Work processes and on-site employee activities were observed. Recommendations for compliance were developed from record review and observations.

Industrial Hygiene Assessment of Tubing Manufacturing Facility - From 10/16/06 To 10/22/06
Mr. Pickard reviewed on-site records for injuries, training, and process specific activities. Work processes and on-site employee activities were observed. Recommendations for compliance were developed from record review and observations. Additionally, Mr. Pickard performed exposure assessments for operations involving cyclohexanone and soldering flux to assess employee exposure during these activities. Moreover, Mr. Pickard assisted the facility's Health and Safety committee in generating a Hazard Communication Policy.

Mold Investigations and Assessment of Indoor Air Quality
Mr. Pickard has inspected multiple office facilities. Varied construction types and different extent of water intrusion make each project unique. Mr. Pickard is experienced in visually identifying mold contamination and understands the different types of samples that can be collected to ensure that potential mold contamination is identified.

Drafted and Implemented Lead Health Protection Plans for the Demolition of Catenary Structures Transit Authority Railroad
Mr. Pickard drafted and implemented Lead Health Protection Plans for the abatement and demolition of various lead coated steel catenary structures. The plans included outlining acceptable work practices, engineering and administrative controls, determining similar exposure groups and instituting representative air monitoring and wipe sampling plans to assess employee exposures. Additionally, Mr. Pickard provided consultation on medical surveillance results and drafted and implemented a respiratory protection plan for those employees involved in lead emitting operations.

Hydrated Lime Exposure Assessment at Local Water Bureau
Mr. Pickard determined similar exposure groups and implemented a representative sampling plan for respirable dusts within individuals breathing zones during pH adjustment operations. Moreover, Mr. Pickard assessed the efficacy of the existing engineering controls and work procedures.

Exposure Assessment for the Application of Alkyd Base Enamel Paint
The exposure assessment consisted of the review of pertinent Material Safety Data Sheets (MSDSs), the review of existing standard operating procedures, and the subsequent generation and implementation of a personnel sampling plan outlining the chemical constituents of concern associated with Alkyd Oil Base Enamel with a volatile organic compound (VOC) mass to volume ratio of 380 grams/liter. Moreover, the use of dilution ventilation as an engineering control was assessed.

UST Removal Program
Mr. Pickard managed the health and safety for a UST removal program involving multiple retail gasoline sites. The management of the program included, conducting scheduled and unscheduled field audits to ensure worker compliance with mandated health and safety/personal protective equipment procedures. Additionally, Mr. Pickard was responsible for the management of health and safety plan development and compliance including field investigative techniques. Moreover, Mr. Pickard oversaw the implementation of a behavior based safety system including the management of the incident investigation program.

NOISE ASSESSMENT PROJECT EXPERIENCE

Noise Impact Analysis for Proposed Mining Operation, NY
Mr. Pickard conducted a noise assessment of a proposed ten (10) acre mining site located in Ghent, New York. The noise assessment consisted of two parts: 1) an ambient sound monitoring program in the vicinity of the proposed facility whose purpose was to characterize the existing noise environment; and 2) a noise impact evaluation of the proposed site. The noise impact evaluation consisted of performing computer noise modeling of the major noise producing equipment and evaluating the increased noise due to the proposed mining operation s a s compared with the project impact criteria. For this noise assessment the impact criteria was considered to be a six (6)dB or more elevation in the A-weighted sound level, above the Leq.

Noise Assessment
Mr. Pickard conducted a noise assessment during construction operations at a local Water Bureau's Facility. The purpose of the noise assessment was to determine employees' noise exposure in specified areas of the facility. The noise assessment included the collection of area noise samples, utilizing four (4) Quest Q-300 Dosimeters. Area sampling occurred at fixed sampling points throughout the facility and during normal working hours and activities. The Quest Q-300 Dosimeters were programmed for A-scale slow response data collection and the subsequent data was logged over a seven (7) hour period at one (1) minute intervals.

Noise Impact Analysis of Remedial System Operation, NY
Mr. Pickard conducted a noise impact analysis during the operation of a remedial system in New York, New York. The purpose of the impact analysis was to determine the amount of noise the treatment facility contributed to the environment and the surrounding community. Monitoring points were selected based on their locality to on-site equipment. These locations were identified through the use of topographic maps and later confirmed though the course of the noise monitoring program.

The system was shutdown and background noise levels were established and recorded. The background noise monitoring was conducted using a QUEST 2900 precision Type 1 Sound Level Meter. Prior to the start of the monitoring event, the sound level meter was calibrated with a Calibrator QC-10 Noise Dosimeter with a single output of 114 dB and the instrument was configured to measure and store the Leq, L90, and L10. A-weighted Leq, L90, and L10 data collected during the noise monitoring event were compared with both the State and Local impact criteria.

ADDITIONAL EXPERIENCE

Conducted scheduled and unscheduled field audits to ensure worker compliance with mandated health and safety/personal protective equipment procedures.

Conducted facility audits for a variety of manufacturers to evaluate compliance with state and federal employee safety, health and environmental regulations.

Responsible for the development and implementation of health and safety procedures during the excavation and processing of chemical, biological and high hazard materials.

Evaluated worker exposures to a variety of chemicals for comparison to applicable permissible exposure limits and appropriate personal protective equipment.

Responsible for health and safety plan development and compliance including field investigative techniques and accuracy of sampling methodology, equipment calibration and quality control procedures during the performance of remedial investigations and corrective actions conducted at hazardous waste sites and various manufacturing and industrial facilities.

Supervised Lead-Based Paint (LBP) surveys to identify potential risks with both interior and exterior LBP.

Responsible for development and implementation of blue flag and rail car offloading policies and procedures in accordance with Federal Railroad Administration guidelines within an active rail yard and subsequent shops.