

9 April 2013

REPORT ON

Remedial Investigation Report
Seneca Falls Former MGP Site
Seneca Falls, New York
Site No. 8-50-010

PREPARED FOR

New York State Electric and Gas
Binghamton, New York

File Number: ***34507-019***

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Attention: Douglas MacNeal, P.E.

Subject: Remedial Investigation Report
Seneca Falls Former MGP Site, Site No. 8-50-010
Seneca Falls, New York

Dear Mr. MacNeal:

On behalf of New York State Electric & Gas Corporation (NYSEG), Haley & Aldrich of New York (Haley & Aldrich) is pleased to present this Remedial Investigation Report (RIR) for the Seneca Falls Former Manufactured Gas Plant (MGP) Site located in Seneca Falls, New York (Site). The remedial investigation was performed in accordance with New York State Department of Environmental Conservation (NYSDEC) approved work plans including the September 2007 Preliminary Site Assessment Work Plan, the February 2008 Soil Vapor Intrusion and Additional Subsurface Investigation Work Plan, and the June 2009 Remedial Investigation Work Plan. Following completion of investigations proposed in these Work Plans and evaluation of site characterization completeness, Haley & Aldrich has prepared this RIR in lieu of a Preliminary Site Assessment. The RIR provides a brief Site history, describes current conditions, summarizes the findings of the site characterization, soil vapor intrusion investigation activities, sediment investigation activities, and presents conclusions and recommendations.

If you have any questions, please contact Tracy Blazicek (NYSEG) at 607.762.8839.

Sincerely yours,
HALEY & ALDRICH OF NEW YORK

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c: New York State Department of Health; Attn: Julia Kenney
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EXECUTIVE SUMMARY

Haley & Aldrich of New York (Haley & Aldrich) has prepared this Remedial Investigation Report (RIR) on behalf of New York State Electric and Gas Corporation (NYSEG) for the Seneca Falls Former MGP Site (Site) located at 187 Fall Street in Seneca Falls, New York. Investigation activities were completed in accordance with the requirements of a Multi-Site Consent Order (Index #D0-0002-9309, March 30, 1994) between NYSEG and the New York State Department of Environmental Conservation (NYSDEC).

The Site is bordered to the east by a former residential property (185 Fall Street) which is now owned by NYSEG, to the south by the Seneca River and Canal (a Class C surface water), to the west by a gasoline filling station (Sunoco Property at 193 Fall Street), and to the north by Fall Street. The northern portion of the Site (the upland area) which includes a paved vehicle parking area and building slab is separated from the southern portion of the Site (the lowland area) by a steep slope. The Site is located in a mixed residential and commercial portion of Seneca Falls Village and is currently vacant.

Three phases of field investigations were completed following NYSDEC-approved work plans. The three phases of work and their respective work plans included:

- In 2007: A Preliminary Site Assessment (PSA) following a PSA Work Plan dated September 2007 which included test pit excavations, soil borings, surface soil sampling, and monitoring well installations to evaluate soil and groundwater conditions on-site, and soil borings and surface soil sampling in the backyard portions of two residential properties east of the Site to evaluate off-site residential soil conditions;

- In 2008: A soil vapor intrusion (SVI) investigation inside the former on-site building (demolished in 2009) and additional soil borings and monitoring wells to investigate the former gas holder, located partially beneath the former building floor slab. The work was completed in accordance with a SVI and Additional Subsurface Investigation Work Plan dated February 2008; and,

- In 2009: Remedial Investigation (RI) activities following a RI Work Plan dated June 2009 to investigate the extent of MGP-related impacts in off-site surface and subsurface soils west of the Site, a sediment mapping and sampling program to evaluate the nature and extent of MGP-related impacts to sediment in the Seneca River and Canal, and soil sampling to quantify the ambient concentrations of metals and semi-volatile organic compounds (SVOCs) in urban fill collected in Seneca Falls Village.

The Site is underlain by fill material ranging in thickness from 4 to 20 feet (ft), which is underlain by glacial till with thickness ranging from not present to 24 ft. Bedrock is encountered beneath the glacial till at a depth of approximately 30 ft below ground surface (bgs) in the upland portion of the Site and less than 10 ft bgs in the lowland portion of the Site. In the upland portion of the Site, overburden groundwater is present in a sandy interval of the glacial till approximately 20 to 25 ft bgs. In the lowland portion of the Site, groundwater is present at the base of the overburden material above bedrock. Groundwater elevation data confirm the groundwater flow direction beneath the Site is to the south towards the Seneca River and Canal.

The results of the three phases of investigation at the Site indicate the following for the upland and lowland portions of the Former MGP Site:

- MGP-related compounds (metals and SVOCs) in surface and subsurface soil exceeding the New York Codes, Rules, and Regulations Part 375 Restricted Commercial Soil Cleanup Objectives (SCOs) are almost exclusively limited to the fill material, with localized impacts observed in the glacial till in the upland portion immediately adjacent to the former gas holder;

- The extent of MGP-related compounds (volatile organic compounds [VOCs] and SVOCs) exceeding Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Water Quality Standards are limited to the upland portion of the Site adjacent to the former MGP plant area and do not impact the Seneca River and Canal. The vertical extent of groundwater beneath the upland portion is limited to the sandy layer with fine-grained glacial till above and below; and,

- Results of the SVI investigation completed within the former commercial building determined that the vapor intrusion pathway was not complete.

The results of the 2007 and 2009 off-site investigations indicate the following for the residential properties (181-183 and 185 Fall Street) located east of the Site:

- The residential backyard areas are underlain by fill and glacial till;

- Analytical results from subsurface and surface soil sampling indicate that SVOCs and metals are present in the fill material at concentrations exceeding Part 375 Unrestricted Use SCOs. SVOCs and metals did not exceed the Unrestricted Use SCOs in samples collected in the glacial till;

- Backyard fill material included a variety of anthropogenic materials including brick, coal fragments, clinker-like material, ash-like material, and ceramic material. Ceramic material was not typically observed in Former MGP Site fill material; and,

- Results from the Seneca Falls Village urban fill sampling determined that the concentration of SVOCs and metals detected in the off-site residential backyards are comparable with the results from the Village urban fill samples. The low-concentration SVOCs and metals in the residential backyards represent ambient urban fill conditions unrelated to former MGP operations.

The results of the 2009 off-site investigations indicate the following for the Sunoco Property (193 Fall Street) lowland area located west of the Site:

- The lowland portion of the Sunoco property is underlain by fill and glacial till;

- SVOCs and arsenic were detected at concentrations that exceed Part 375 Restricted Commercial SCOs in soil samples collected from the southeastern portion of the lowland area at concentrations similar to Former MGP Site results. All samples with SVOCs exceeding the applicable SCOs were collected from the upper portion of the fill. Historical documentation indicates that the southeastern portion of the lowland area as used for coal storage and canal activity during the period the MGP plant was operational; and,

- Analytical results for the surface and subsurface soil in the southwestern portion of the Sunoco Property lowland area indicate that SVOCs exceed Part 375 Restricted Commercial SCOs. Concentrations of SVOCs in the southwestern portion of the Sunoco Property lowland are comparable with the off-site Village urban soil sample results and are likely unrelated to former MGP operations.

The results of the 2009 sediment investigation completed in the Seneca River and Canal indicate the following:

- When present, sediment is generally 3 to 4 ft thick in the vicinity of the MGP Site and consists of silt and organic material. Sediment is not present near the center channel of the Canal;

- The concentration of SVOCs in sediment samples collected upstream, adjacent to, and downstream of the Site indicate that concentrations are variable and widely distributed, indicative of multiple sources; and,

- MGP-related impacts are observable adjacent to the Site western property boundary and the limits have been defined.

Based on the results of the three phases of investigation, a quantitative exposure assessment was completed for the Site, the off-site residential and commercial properties, and the Seneca River and Canal. The exposure assessment concluded the following:

- For the on-site areas, exposure pathways to surface soil were identified for a current and future on-site landscaper, trespasser, or NYSEG employee occasionally visiting the Site. Complete exposure pathways to subsurface soil were identified for current and future utility workers and landscapers, and for a future construction worker under the scenario that a new building is constructed at the Site;

- For the off-site residences at 181-183 and 185 Fall Street: This exposure assessment is provided for general understanding and completeness. However, most of the constituents considered for these properties are typical urban background and un-related to the MGP site. Complete exposure pathways to surface soil and subsurface soil were identified for a current and future resident or construction worker;

- For the lowland portion of the off-site commercial property at 193 Fall Street (Sunoco Property), complete exposure pathways to surface soil were identified for a current and future Sunoco employee or trespasser.

- For the Seneca River and Canal, complete exposure pathways to sediments impacted by MGP residuals were identified for a current and future boater or trespasser.

It is concluded that the Site has been delineated with respect to MGP-related constituents. The recommended future task for the Site subsequent to approval of the Remedial Investigation Report include preparation of remedy selection report to develop Remedial Action Objectives (RAOs) and remedial strategies for the Site, off-site commercial property, and Seneca River and Canal sediments.

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1. INTRODUCTION

New York State Electric & Gas Corporation (NYSEG) retained Haley & Aldrich of New York (Haley & Aldrich) to prepare a Preliminary Site Assessment (PSA) for the former manufactured gas plant (MGP) located at 187 Fall Street, Seneca Falls, New York (Site). On behalf of NYSEG, Haley & Aldrich completed soil, sediment, groundwater, and soil vapor investigations over several phases of work between September 2007 and August 2009. Work was completed in accordance with the September 2007 Preliminary Site Assessment Work Plan (PSA Work Plan), the February 2008 Soil Vapor Intrusion and Additional Subsurface Investigation Work Plan (SVI Work Plan), and the June 2009 Remedial Investigation Work Plan (RI Work Plan).

The former MGP was operated by the Seneca Falls & Waterloo Gas Light Company, which was a predecessor company to NYSEG. The former MGP Site is currently referred to as the Seneca Falls Former MGP Site (the Site). The 187 Fall Street parcel is currently owned by NYSEG. The parcel has had various property owners and uses since the MGP ceased operation in the early 1900's.

The investigation was performed in accordance with the requirements of a Multi-Site Consent Order (Index # D0-0002-9309, 1994 March 30) between NYSEG and the New York State Department of Environmental Conservation (NYSDEC), the NYSDEC-approved PSA Work Plan dated 10 July 2007 and revised 11 September 2007, prepared by Haley & Aldrich (PSA Work Plan). The 2008 supplemental investigation activities, including the soil vapor intrusion (SVI) investigation, were completed in accordance with the NYSDEC- and New York State Department of Health (NYSDOH)-approved Soil Vapor Intrusion and Additional Subsurface Investigation Work Plan dated 11 February 2008, prepared by Haley & Aldrich (SVI Work Plan). The 2009 remedial investigation activities, including the sediment investigation, were completed in accordance with the NYSDEC-approved Remedial Investigation Work Plan dated 24 November 2008 and revised 18 June 2009.

1.1 Purpose of Investigation

The purpose of the PSA and SVI investigations was to identify whether the Site and adjacent residential properties were impacted by historic MGP operations. The investigations addressed the following objectives, as stated in the PSA Work Plan and discussed in the SVI Work Plan:

- Determine if MGP-related and/or non-MGP-related chemical constituents are present in soil and/or groundwater at the Site;
- Identify the potential presence of MGP-related residuals (e.g., coal tar, non-aqueous phase liquid [NAPL], purifier wastes) and/or non-MGP-related residuals, (e.g., petroleum, solvents) in soil and/or groundwater at the Site;
- Evaluate, to the extent practicable, whether groundwater flow may be a pathway for offsite migration of identified chemical constituents (if present);
- Determine if MGP-related volatile organic compounds (VOCs) are present in the soil vapor at the Site;
- Determine if MGP-related VOCs were affecting indoor air quality within the former on-site building (which has since been demolished);

- Determine compliance with applicable NYSDEC standards, criteria, and guidance values (SCGs); and

- Provide sufficient data to develop an initial conceptual site model and evaluate the necessity for further action.

The purpose of the 2009 RI activities was to address data gaps identified in the July 2008 Data Summary Report, including:

- Delineate the western off-site extent of fill material with semi-volatile organic compounds (SVOCs) and arsenic that exceed applicable soil clean-up objectives (SCOs);

- Determine the origin of fill material in residential backyards east of the Site with SVOCs and metals that exceed the applicable SCOs;

- Determine the physical distribution and thickness of sediments located in the vicinity of the Site; and

- Determine if MGP-related chemical constituents are present in sediments located in the vicinity of the Site.

In addition to activities intended to fill data gaps described above, one additional round of groundwater sampling and elevation monitoring was performed in 2009 to further evaluate the concentration of dissolved-phase constituents previously detected in samples collected from upland area monitoring wells.

1.2 Site Setting

The footprint of the Seneca Falls former MGP Site is located at 187 Fall Street, Seneca Falls, Seneca County, New York. As shown on Figure 1, the Site is located adjacent to the Seneca River and Canal, which flows east towards Cayuga Lake. The Seneca River and Canal is classified as Class C surface water in the vicinity of the Site. The Site consists of an approximately 1.2 acre parcel currently owned by NYSEG and located in a mixed residential/commercial area. The Site is bordered by Fall Street to the north, residential properties (181-183 and 185 Fall Street) to the east, a Sunoco gasoline filling station (193 Fall Street) to the west, and the Seneca River and Canal to the south. NYSEG currently owns 185 Fall Street, which abuts the Site to the east. A zoning map obtained from the Village of Seneca Falls dated May 1995 indicates the Site and adjacent properties are zoned as C-2, described as a "highway commercial" permitted use zone. The zoning map indicates the Seneca River and Canal waterway shoreline is zoned as L-C, described as "Land Conservation".

The layout of the Site and surrounding properties is shown in Figure 2. The parcel located at 187 Fall Street is physically defined by upland and lowland areas separated by a steep slope running east-west, located in the approximate center of the parcel. The upland area of the parcel consists of a building floor slab and a paved vehicle parking lot located immediately west of the floor slab. A commercial building located at the Site was demolished during the summer of 2009 and was previously occupied by Pick-a-Flick Video (a movie rental and cosmetic tanning business). The upland area is generally flat with an elevation of approximately 456 ft above mean sea level, bordered to the south by the steep slope and the lowland area of the Site. The steep slope and lowland portions of the parcel are heavily

vegetated. The lowland area of the Site gently slopes south to the Seneca River and Canal, with elevations from approximately 430 ft to 433 ft above sea level. Surface drainage (at a macro scale) appears to be to the south toward the Seneca River and Canal. There is a catch basin present on the upland portion of the Site that drains northerly to a storm sewer line beneath Fall Street.

A flood insurance rate map (FIRM) obtained from the Federal Emergency Management Agency (FEMA) for the Site vicinity indicates that the 100 year flood zone (Zone A4) is limited to the present riverbanks of the Seneca River and Canal, likely due to the ability to control water levels within the canal system. The FIRM indicates that the upland and lowland areas of the Site and abutting properties are within Zone C, described as areas of limited flooding.

1.3 Site History

This section discusses the historical use of the Site and adjacent properties, with emphasis on the former MGP operations. The information reviewed to produce this summary included:

- Atlantic Environmental Services, Inc. "Manufactured Gas Plant Site Screening Report, Seneca Falls" (September 1991);
- Sanborn fire insurance maps (dated 1886, 1892, 1897, 1899, 1904, 1911, 1916, 1925, 1944, and 1951);
- Historical topographic maps (dated 1902, 1953, and 1978); and,
- Aerial photographs (dated 1959, 1985, and 1990).

Historical information was also collected from the Seneca County Clerk, Planning Department, and Tax Collector, Seneca Falls Historical Society, and Seneca Falls Library. Historical documentation was presented in Appendices A through C of the PSA Work Plan.

1.3.1 Historical Overview

The Seneca Falls MGP is believed to have begun operations in 1856, producing manufactured gas using coal carbonization processes until plant closure circa 1903. A narrative history of Seneca County indicates in 1871 the gas plant included twenty (20) retorts, four (4) purifiers and a large condenser (Atlantic Environmental Services, 1991). The gas holder at the Site had a capacity of 25,000 cubic feet (cf). Annual gas production was 8,000,000 cf in 1889 and 7,000,000 cf in 1899 (Atlantic Environmental Services, 1991). The 1904 Sanborn Map indicates that the plant is no longer in operation, suggesting that the Seneca Falls MGP ceased operations between 1899 and 1904. Based on review of the Sanborn fire insurance maps, demolition of the retorts and gas fitter occurred between 1911 and 1916. The remainder of the gas plant was demolished between 1925 and 1944. Historical operational features of the Seneca Falls MGP are shown on Figure 2. The former MGP operational features include: one gas holder, two coal sheds, retorts, purifier house and lime house, engine room, meter room, and gas fitter, as shown on the 1899 and 1904 Sanborn maps.

The residential dwellings (181-183 and 185 Fall Street) located east of the Site were constructed between 1892 and 1897. The 1897 Sanborn Map shows the residential dwelling configuration were similar to the present configuration. Prior to construction of the residential dwellings, the

1886 Sanborn Map indicates a "planked drive" provided access to a small structure southwest of the MGP. The 1892 Sanborn Map does not show the planked drive and small structure, likely replaced with a coal shed east of the gas holder where the eastern portion of the on-site building stands today. A carpenter's shop was located in the approximate future location of the 185 Fall Street dwelling, although the change in geographic placement and dimensions suggests the carpenter's shop was demolished between 1892 and 1897 prior to construction of 185 Fall Street.

The lowland area between the MGP and Seneca River and Canal was historically used for lumber and coal storage and distribution. Delivery of lumber and coal were likely via the Seneca River and Canal, constructed in 1818 and widened in 1915. The 1886 through 1897 Sanborn Maps indicate the southern portions of the Site and adjacent properties to the east and west were used for storage of "scattered lumber", lumber sheds, and coal sheds. Lumber and coal storage continued on the F. Maier Coal & Lumber Yard west of the Site through 1925.

A United States Geological Survey (USGS) 7.5 minute quadrangle dated 1905 was reviewed as part of the historic research. The map indicates a "Lehigh Valley Railroad" line terminated at a switchyard operated adjacent Site on the southern side of the Seneca River and Canal. The map also indicates the "New York Central and Hudson River Railroad" was located two blocks north of the MGP where the Conrail railroad is presently located (Figure 1). Interpretation of the 1905 topographic contour lines indicate the Seneca River and Canal elevation relative to mean sea level was approximately 420 ft, which is several feet below the current surface water elevations measured during the remedial investigation. This change in elevation is likely the result of lock modifications and canal widening in 1915. Lock modifications and canal widening in 1915 created Van Cleef Lake east of the Site, reportedly displacing 116 industrial buildings and 60 residential dwellings.

The 1886 Sanborn Map indicates "Coal and Shavings" were the primary heating fuels for F. Maier's Lumber and Coal Yard and National Yeast Company west of the Site. Coal and wood shavings were likely used as heating fuels elsewhere in Seneca Falls businesses and residences due to close proximity to the Canal and railways.

A copy of the Environmental Database Search Report, including Sanborn figures, is included in Appendix A.

1.3.2 Historical Timeline

The Sanborn Maps, aerial photographs, and historical information collected from the Seneca County Clerk and Tax Collector, provide information on changes to the former MGP property and adjacent properties over time.

- 1856: Seneca Falls & Waterloo Gas Light Company was organized. Seneca Falls MGP plant built and began operation.
- 1886 – 1899: Scallard Lumber Company yard operations east of the Site and on the lowland area of the Site.
- 1886 – 1944: F. Maier's Lumber and Coal Yard operations west of the Site.

- 1886 – 1892: Seneca Falls & Waterloo Gas Light Company operates a large coal shed (approximately the size of both coal sheds onsite) on the southeast portion of the F. Maier property.

- 1899 – 1904: Residential properties built adjacent to and east of the Site.

- 1904: Seneca Falls MGP plant no longer in operation. Lumber yard operations west of the Site.

- 1911: Seneca Falls & Waterloo Gas Light Company acquired by Inter-Urban Gas Company.

- 1911: Inter-Urban Gas Company acquired by Empire Gas & Electric Company.

- 1911 – 1916: Demolition of the retorts.

- 1925 – 1944: Remainder of the Seneca Falls MGP plant demolished.

- 1936: Empire Gas & Electric Company acquired by New York State Gas and Electric Company.

- 1944 – 1959: Building constructed on the upland area of former MGP Site (existing onsite building).

- 1936 – 1953: Between this time, Site property ownership transferred to Howard Conkey.

- 1953: Site property ownership transferred to Jarvee Corporation.

- 1965: Site property ownership transferred to Eber Reality.

- 1974: Site property ownership transferred to Rochester Gas & Electric Corporation (a subsidiary of Iberdrola USA).

1.4 Previous Investigations

The Site was initially screened in 1991 by Atlantic Environmental Services, Inc. (AES). The 1991 "Site Screening Report" consisted of a Site reconnaissance, collection of three surface soil samples from the lowland area of the Site, three sediment samples from the Seneca River and Canal adjacent to the Site, and three surface water samples from the Seneca River and Canal adjacent to the Site. Figure 3 shows the approximate locations of surface soil, sediment, and surface water samples collected by AES. Samples were analyzed for VOCs, SVOCs, metals, and cyanide. The intent of the screening was to determine if there was any imminent threat to human health or the environment at the Site.

Surface soil samples were collected from intervals of 0 ft to 0.5 ft below ground surface (bgs). VOCs were not detected in any of the surface soil samples. SVOCs were detected in all three samples, with SVOC totals ranging from 186 parts per million (ppm) to 274.4 ppm. Arsenic, calcium, mercury, nickel, and selenium were detected at generally low levels, some exceeding

NYSDEC Recommended Soil Cleanup Objectives (NYSDEC, 1994). Cyanide was detected at sample locations SS-2 and SS-3 at concentrations 3.80 ppm and 6.60 ppm, respectively.

Sediment samples were collected from the Seneca River and Canal at three locations: approximately 250 ft upstream of the Site, adjacent to the west portion of the Site, and adjacent to the east portion of the Site, as shown on Figure 3. VOCs were not detected in sediment samples collected by AES. Total SVOCs with a concentration of 34.18 ppm were detected at the upgradient sampling location. Total SVOCs concentrations at the west location adjacent to the Site were 63.33 ppm, and 260.2 ppm at the east location adjacent to the Site. Antimony, arsenic, calcium, copper, lead, manganese, mercury, and nickel were detected at similar levels at the sediment sampling locations.

Three surface water samples were collected from the Seneca River and Canal at locations corresponding to sediment sample locations. VOCs and SVOCs were not detected in surface water samples. Cyanide was detected at 0.27 ppm in a surface water sample collected adjacent to the Site (New York State Ambient Water Quality Standard for cyanide in Class C surface waters is 0.0052 ppm). Calcium, magnesium, and sodium were detected in surface water samples below water quality standards.

On 26 November 2002, NYSEG conducted limited surface soil analytical sampling on the residential property, 185 Fall Street, adjacent to the Site. Samples were analyzed for benzene, toluene, ethylbenzene, and xylene (BTEX), Polycyclic Aromatic Hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), Target Analyte List (TAL) Metals, total cyanide and cyanide amenable to chlorination, and total recoverable phenolics. BTEX constituents were not detected at any location. PAH compounds were detected at all three locations with total PAH concentrations ranging from 0.389 ppm to 145.88 ppm. Metals were also detected, with arsenic, beryllium, chromium, copper, and iron exceeding NYSDEC Recommended SCOs at all three sample locations. As a contingency matter, NYSEG completed an Interim Remedial Measure (IRM) consisting of the application of clean backfill across the backyard portion of the 185 Fall Street property.

2. FIELD INVESTIGATIONS

Haley & Aldrich personnel completed a walkover on 15 June 2007 to observe Site and abutting property conditions, evaluate drilling and test pit equipment access, and identify potential soil boring and test pit locations. Observations were used to develop the field investigation scope of work proposed in the PSA Work Plan.

During the execution of the PSA Work Plan scope, additional investigation tasks were identified to supplement the proposed data set. An SVI investigation was completed in February 2008. Soil borings and monitoring well installations were completed inside the on-site building in March 2008 to further characterize the former gas holder contents. Additional off-site investigations and sediment sampling in the Seneca River and Canal were completed in August and September 2009 to delineate the off-site extent of MGP-related materials.

This section describes field investigation exploration locations and procedures.

2.1 Soil Investigation

The objectives for the soil investigation and the general procedures for obtaining and analyzing soil samples are detailed below.

2.1.1 Soil Investigation Objectives

The objectives of the soil investigation were to:

- Determine if MGP-related and/or non-MGP-related by-product residuals are present in the soil at the Site and some proximate off-site properties;
- Determine the potential presence of NAPL in subsurface materials, and, if present, quantify relevant physical properties of the NAPL;
- Determine compliance with applicable NYSDEC standards, criteria, and guidance values;
- Obtain sufficient information to develop a conceptual site model in order to evaluate the necessity for further action;
- Evaluate the extent of fill materials with MGP-related SVOCs and arsenic that exceed Restricted Commercial SCOs in the lowland portion of the Sunoco Property; and,
- Characterize the physical and chemical nature of the urban fill in the vicinity of the Site.

Subsurface information collected as part of the soil investigation was used to characterize subsurface soils and Site geology, determine the saturated thickness and identify conductive zones, and investigate former MGP subsurface structures. The following sections describe the field methods used to complete the investigation.

2.1.2 Subsurface Utility Clearance

Prior to marking sampling locations in the field, Dig Safely New York was contacted to mark underground utilities. On-site utilities identified during the exploration location mark-out included:

- Overhead power and communication lines in the vehicle parking area;
- An underground natural gas line as shown on Figure 2;
- A catch basin (Figure 2) and stormwater line beneath the northern portion of the vehicle parking area;
- Stormwater, sanitary sewer, and water supply lines beneath and running parallel with Fall Street; and,
- A water line connecting the demolished on-site building to the Fall Street water supply line.

No underground utilities were encountered during subsurface field explorations.

2.1.3 Test Pits

Eleven test pits (TP-07-01 through TP-07-11) were excavated on-site at the locations shown on Figure 3. During the western property off-site investigation in August 2009, five test pits (TP-09-01 through TP-09-05) were excavated at the locations shown on Figure 3. Two subsurface soil samples were collected from each test pit for laboratory analysis, with the exception of test pit location TP-07-11 which was completed in addition to the proposed scope of work to further investigate geologic conditions and fill material thickness, TP-09-03 where three samples were collected, and TP-09-04 where one sample was collected.

Test pit locations and the soil sampling rationales are summarized on Table 2-1.

Test pits were excavated with a track excavator. Excavated soil was temporarily staged on plastic sheeting next to the test pit locations. Soil was visually characterized for color, texture and moisture content. The presence of visible staining, NAPL (if encountered), odors, and photoionization detector (PID) headspace were noted by Haley & Aldrich field personnel. Test pits were excavated to the top of bedrock, base foundation of historic structures, or maximum excavator reach. Test pit depths are summarized on Table 2-1. Test pit logs are provided in Appendix B.

In accordance with the NYSDEC-approved PSA Work Plan, soil samples were selected for chemical analysis based on visual observations (e.g., staining) and/or from the sample interval with the highest PID reading. If no staining or elevated PID readings were encountered, the sample interval immediately above the groundwater table (if encountered) was selected for chemical analysis. Samples were also collected from intervals below potential impacted soil to aid in vertical delineation. TP-07 series soil samples were analyzed for Target Compound List (TCL) VOCs, TCL SVOCs, and TAL Metals (including cyanide). TP-09 series soil samples were analyzed for TCL VOCs, TCL SVOCs, and TAL metals (including cyanide).

Excavated soil was returned to the test pits in generally the reverse order from which it was removed (i.e. the last soil removed was the first soil replaced such that the soil stratigraphy remains generally unchanged). Excess soil created during test pit operations (i.e., soils that could not be returned to the open excavation due to changes in compaction) was temporarily stored on-site for disposal with other investigation derived waste. The asphalt surface was repaired at test pit locations completed in the on-site vehicle parking area.

2.1.4 Hollow Stem Auger Borings

Twelve soil borings (SB-07-02 through SB-07-10 and SB-08-01 through SB-08-03) were completed at locations shown on Figure 3. One proposed upgradient location, SB-07-01, was not completed due to access restrictions related to drilling in the Fall Street state highway right-of-way, which required a highway work permit for drilling activities and occupancy permit for the monitoring well proposed for that location. Following communication with NYSDEC on 1 November 2007, installation of MW-07-01 was suspended.

In general, two subsurface soil samples were collected from each soil boring for laboratory analysis, with the exception of SB-07-06 and SB-07-09 where one sample was collected at each location due to limited overburden thickness. Three analytical samples were collected from SB-08-03 to evaluate MGP-related impacts. Soil samples were analyzed for TCL VOCs, TCL SVOCs, and TAL Metals (including cyanide). Completed soil boring locations and soil sampling rationales are summarized on Table 2-2.

Soil borings were completed using 3¼-inch inside diameter hollow stem augers (HSA). Continuous soil sampling was conducted at each boring location by advancing a 2 foot long 2-inch outer diameter (OD) splitspoon sampling device ahead of the augers. Exterior locations (SB-07-02 through SB-07-10) were completed with a truck- or all-terrain vehicle (ATV)-rotary drill, building interior locations (SB-08-01 through SB-08-03) were completed with a tripod-mounted rotary drill. Each boring was completed to a depth of refusal (if encountered), or to the top of bedrock, or to a depth of approximately 30 ft bgs when soil impacts were not observed. One location, SB-07-02, was advanced to 33 ft bgs to confirm the top of bedrock at that location. Soil recovered from each sample interval was visually characterized for color, texture, and moisture content. The presence of visible staining, NAPL, odors, and PID headspace were noted on boring logs. Soil boring logs are provided in Appendix B.

Similar to the test pit explorations, soil samples were selected for chemical analysis based on visual observations (e.g., staining) and/or the sample interval with the highest PID reading. If no staining or elevated PID readings were encountered, the sample interval immediately above the groundwater table (if encountered) was selected for chemical analysis. Samples were also collected from intervals below potential impacted soil to aid in vertical delineation. Soil cuttings generated during the drilling operations were placed in labeled DOT-approved steel drums for transportation and disposal coordinated by NYSEG.

2.1.5 Direct Push Borings

Twelve shallow-subsurface soil borings (SB-07-11 through SB-07-22) were completed with a direct push unit in the backyards of two off-site residential properties, 181-183 and 185 Fall

Street, located east of the Site. Direct push boring locations are shown on Figure 3. Soil samples were analyzed for TCL VOCs, TCL SVOCs, and TAL Metals (including cyanide).

Shallow-subsurface soil borings were completed with a tractor mounted direct push unit and 4-foot long macrocores. Soil recovered from each sample interval was visually characterized for color, texture, and moisture content. The presence of visible staining, odors, and PID headspace were noted on the boring logs. Direct push borings were completed to depths ranging from 4 to 8 ft, terminating in glacial till underlying fill material. Direct push boring logs are provided in Appendix B.

2.1.6 Hand Auger Borings

Six off-site soil samples were collected using a hand auger in Seneca Falls Village for the purpose of evaluating ambient concentrations of SVOCs and metals in fill material for comparison with fill sample analytical results from the 181-183 and 185 Fall Street residential property backyards. Locations were selected at Village locations distant from the Former MGP Site, with the closest located greater than 300 ft away. Hand auger locations completed during September 2009 are shown on Figure 3. Soil samples were collected for laboratory analysis from the top two inches of fill material, targeting the zone immediately below the bottom of topsoil or landscaping materials. Soil samples were analyzed for TCL SVOCs and TAL metals (including cyanide).

2.1.7 Surface Soil Sampling

Nine surface soil samples were collected for chemical analysis from locations shown on Figure 3. Two surface soil samples (SS-07-01 and SS-07-02) were collected from the backyards of 181-183 and 185 Fall Street. Four surface soil samples (SS-07-03 through SS-07-06) were collected from the lowland area of the Site. During the western property off-site investigation, three surface soil samples were collected (SS-09-01 through SS-09-03) in the lowland portion of the Sunoco Property.

The SS-07 series surface soil samples were analyzed for TCL VOCs, TCL SVOCs, and TAL Metals (including cyanide). The SS-09 series surface soil samples were analyzed for TCL SVOCs and TAL Metals (including cyanide). Surface soil sample locations and the soil sampling rationales are summarized on Table 2-3.

Surface soil samples were collected with a stainless steel trowel. The sod layer was removed and soil was collected from an interval of 0 to 2 inches bgs. Soil was visually characterized for color, texture, and moisture content. The presence of staining, odors, and PID headspace were noted.

2.1.8 Soil Analysis

As described above, soil samples were analyzed for TCL VOCs, TCL SVOCs, and TAL Metals (including cyanide). Samples were submitted to TestAmerica Laboratories, Inc. of Buffalo, New York for testing. Analytical methods, sample handling, and laboratory protocols followed the Quality Assurance Project Plan (QAPP) submitted with the PSA Work Plan. Sample analyses followed the NYSDEC Analytical Services Protocol (ASP), and included quality assurance/quality control (QA/QC) samples at the frequency indicated in the QAPP.

2.2 Sediment Investigation

The objective of the sediment investigation was to investigate the physical distribution and thickness of sediment, and to investigate the distribution of SVOCs in sediment. Proposed sediment investigation activities included completing sediment thickness probing and sediment core collection at stations upstream, adjacent to, and downstream of the Former MGP Site.

Sixty-three sediment exploration stations were completed during August 2009 in the Seneca River and Canal (Figure 3). Of the sixty-three exploration stations, fourteen of the stations did not encounter soft sediment deposits. Of the forty-nine stations that did encounter soft sediments, forty-two sediment samples were collected and analyzed for grain size distribution, total organic carbon (TOC), and TCL SVOCs. Sediment investigation stations included:

- Twenty-two stations located generally adjacent to or upstream (west) of the Former MGP Site western property boundary (SE-09-01 through SE-09-08, SE-09-08B through SE-09-08D, SE-09-33, SE-09-40, SE-09-41, SE-09-41B, SE-09-42, SE-09-42B, SE-09-42C, SE-09-45, SE-09-46, SE-09-50, and SE-09-51);

- Thirty-three stations located generally adjacent to the Former MGP Site (SE-09-09 through SE-09-16, SE-09-16B, SE-09-17, SE-09-18, SE-09-19A, SE-09-20 through SE-09-27, SE-09-34 through SE-09-37, SE-09-43, SE-09-43B, SE-09-44B, SE-09-47 through SE-09-50, SE-09-END2, and SE-09-END3);

- Five stations located downstream (east) of the Former MGP Site eastern property boundary (SE-09-28 through SE-09-32); and,

- Three stations located adjacent to the Former MGP Site along the opposite (southern) riverbank (SE-09-19B, SE-09-38, and SE-09-39).

Sediment thickness probing and coring was completed from a barge vessel equipped with a tripod. Sediment samples were collected using a 2-foot long, 2-inch diameter splitspoon or 4-foot long, 2-inch diameter macrocore coring device driven by a 140 pound hammer.

2.3 Groundwater Investigation

The objectives for the groundwater investigation and the general procedures for monitoring well installation, calculating hydraulic conductivity, groundwater and surface water elevation monitoring, and obtaining and analyzing groundwater samples are detailed below.

2.3.1 Groundwater Investigation Objectives

The objectives of the groundwater investigation were to:

- Determine groundwater flow and hydraulic characteristics beneath the Site;

- Evaluate, to the extent practicable, whether groundwater flow may be a pathway for offsite migration of identified chemical constituents (if present);

- Determine if MGP-related and/or non-MGP-related chemical constituents are present in groundwater beneath the Site by collecting and analyzing groundwater samples;
- Evaluate the concentration of dissolved-phase constituents in upland area monitoring wells;
- Confirm non-detectable analytical results for lowland area monitoring wells; and,
- Obtain sufficient information to develop a conceptual site model in order to evaluate the necessity for further action.

The approach that was implemented to address these objectives is discussed below.

2.3.2 Monitoring Well Installation and Development

Eight overburden monitoring wells (MW-07-02 through MW-07-05, and MW-08-01 through MW-08-03) were installed at the locations shown on Figure 3. As noted in Section 2.1.4, proposed upgradient location MW-07-01 was not installed due to property access restrictions. Monitoring well locations and rationales are summarized on Table 2-4.

Monitoring wells were installed at select boring locations described in Section 2.1.4, with the exception of MW-08-01 which was installed adjacent to monitoring well MW-08-03 to screen a shallow perched groundwater zone identified while drilling soil boring SB-08-03.

Monitoring wells were constructed using 2-inch diameter Schedule 40 polyvinyl chloride (PVC) pipe and screened over a 10-foot interval with 0.020-inch slotted PVC screen. Wells MW-07-03 and MW-07-06 required shorter screened intervals due to limited overburden thickness. Monitoring well construction details are summarized in Table 2-5.

Each monitoring well was checked for the presence of NAPL and then developed by pumping until the turbidity was reduced to 50 nephelometric turbidity units (NTUs) or the well was dry. Water generated by monitoring well development and equipment decontamination was placed in 55-gallon steel drums for storage prior to being transported for offsite disposal by NYSEG.

2.3.3 Hydraulic Conductivity Testing

Rising head slug tests were conducted at six monitoring wells (MW-07-02 through MW-07-06 and MW-08-03) to evaluate the hydraulic conductivity of the formation surrounding the screened interval of each monitoring well. Water level drawdown and recovery was monitored using an electronic water level indicator and MiniTroll data logging pressure transducer. Tests were repeated twice at each location to calculate an average hydraulic conductivity value, with the exception of MW-07-04 and MW-07-02 which took several hours to recover from the initial slug test.

2.3.4 Elevation Monitoring and Groundwater Sampling

To assess the potential presence of dissolved MGP-related and/or non-MGP-related chemical constituents in groundwater, three samples were collected from each monitoring well for

laboratory analysis. Groundwater samples were collected from the following wells on the following dates:

- Monitoring wells MW-07-02 through MW-07-06 (five wells) on 11 December 2007;
- Monitoring wells MW-08-01 through MW-08-03 (three wells) on 25 March 2008, following installation of those locations; and,
- Monitoring wells MW-07-02 through MW-07-06, MW-08-01, and MW-08-02 (seven wells) on 13 and 14 May 2008 and again on 19 August 2009.

A comprehensive round of fluid-level measurements were collected from Site monitoring wells and three Seneca River and Canal surface water elevation gauging points (SG-1 through SG-3) prior to each sampling event described above. The gauging points are located west of the Site at the Rumsey Street bridge (SG-1), along the Canal southern river bank across from the Site (SG-2), and east of the Site at the Bridge Street bridge (SG-3).

Groundwater levels were measured in each groundwater monitoring well to the nearest one-hundredth of a foot, from a reference point at the top of the inner casing. Likewise, surface water elevations were measured to the nearest one-hundredth of a foot from the three Seneca River and Canal gauging points located west, adjacent to, and east of the Site along the waterway. The measured depths to groundwater and surface water levels were converted to elevations based on surveyed reference elevations of the monitoring well locations and surface water gauging points.

Following the purging, a groundwater sample was collected from each monitoring well using low-flow sampling techniques for laboratory analysis for TCL SVOCs and TAL Metals (including cyanide). After the low-flow samples were collected, a sample was collected from each monitoring well using a disposable bailer for analysis for TCL VOCs. Field parameters recorded during groundwater sampling consisted of pH, oxidation/reduction potential (ORP), turbidity, temperature, conductivity and dissolved oxygen.

Groundwater samples were collected with a disposable bailer for all parameters from monitoring well MW-08-01 during March 2008 monitoring due to minimal water in the well. A sample could not be collected from MW-08-01 during May 2008 and August 2009 monitoring since the well went dry during purging and did not recover.

2.3.5 Groundwater Analysis

As described above, groundwater samples were analyzed for TCL VOCs, TCL SVOCs, and TAL Metals (including cyanide). The samples were submitted to TestAmerica Laboratories, Inc. of Buffalo, New York. Analytical methods, sample handling, and laboratory protocols followed the QAPP submitted with the PSA Work Plan. Sample analyses followed the NYSDEC Analytical Services Protocol (ASP), and included quality assurance/quality control (QA/QC) samples at a frequency indicated in the QAPP.

2.4 Soil Vapor Intrusion Investigation

The objectives for the soil vapor intrusion (SVI) investigation and the general procedures for sub-slab monitoring point installation, sub-slab monitoring point tracer testing, sub-slab vapor sampling, and indoor air sampling are described below.

2.4.1 Soil Vapor Intrusion Investigation Objectives

A SVI investigation was completed in 2008 for the on-site commercial building, which was demolished in 2009. The purpose and objectives of the SVI investigation were to:

- Determine if MGP-related VOCs are present in the soil vapor at the Site; and,
- If MGP-related VOCs are present in the soil vapor, determine if MGP related VOC's were affecting indoor air quality within the on-site building.

The approach that was implemented to address these objectives is discussed below. The SVI sampling and analysis program was completed in accordance with the NYSDOH "Guidance for Evaluating Soil Vapor Intrusion in New York State" dated October 2006.

2.4.2 Building Inventory

Prior to beginning the SVI sampling, Haley & Aldrich completed a building inventory to document potential sources of volatile chemicals in indoor air. The building inventory included a walkover of the building interior and interview with the current occupant. Building layout is shown on Figure 4. The February 2008 building questionnaire and product inventory is provided in Appendix C.

2.4.3 Sub-Slab Monitoring Point Installation

To evaluate sub-slab vapor quality, Haley & Aldrich installed four temporary soil vapor sampling probes (SV-07-01-SS through SV-07-01-04-SS) beneath the on-site building concrete floor slab. The temporary probes were constructed with ¼-inch Teflon tubing extending less than two inches into the sub-slab material, pursuant to construction protocols described in Section 2.7.2 of the NYSDOH October 2006 guidance document. Hydrated bentonite was used to seal the sub-slab probes. No water or excess moisture beneath the floor slab was observed during sub-slab monitoring point installation. Sub-slab monitoring point locations and rationale are summarized on Table 2-6 and locations are shown on Figure 4.

2.4.4 Soil Vapor and Indoor Air Monitoring

Sub-slab vapor samples were collected from the four interior sub-slab monitoring point locations using 24-hour flow controllers and batch certified 6-liter Summa canisters. A helium tracer gas test was completed at each location to verify the integrity of the sub-slab vapor probe seal. A portable monitoring device was used to analyze a sample of soil vapor for the tracer gas. The helium tracer gas application methodology followed Figure 2.4 (B), Section 2.7.5 of the NYSDOH October 2006 guidance document. Helium was not detected during tracer gas testing at any of the sub-slab monitoring points, confirming an airtight surface seal.

Sub-slab monitoring points were purged prior to sampling. Three sample probe and tubing volumes were purged from the installed points at a flow rate not exceeding 0.2 liters per minute. Sub-slab vapor samples were collected in accordance with the NYSDOH October 2006 guidance document.

Indoor air samples were collected adjacent to the sub-slab monitoring points. Three indoor air samples (SV-07-01-INA, SV-07-03-INA, and SV-07-03-INA) were collected concurrent with sub-slab sampling using 24-hour flow controllers and batch certified 6-liter Summa canisters. The Summa canisters with 24-hour flow controllers were placed approximately 3 ft above the floor. One indoor air sample (SV-07-02-INA) was not submitted for laboratory analysis due to equipment malfunction during sampling. Indoor air samples were collected in accordance with the NYSDOH October 2006 guidance document.

One outdoor air sample was collected concurrently with the sub-slab and indoor air samples. A Summa canister with a 24-hour flow controller was placed along the southwestern building exterior wall adjacent to the vehicle parking area. The outdoor air sample was collected in a pre-cleaned Summa canister placed approximately 5 ft above ground surface.

Haley & Aldrich recorded sampling parameters (including sample identification, date and time of sample collection, sample depth, purge volumes, etc.) pursuant to Section 2.7.2 of the NYSDOH October 2006 guidance document. After sample collection, the samples were kept at ambient temperature prior to shipping. Samples were analyzed by TestAmerica Laboratories, Inc. of Knoxville, Tennessee for TCL VOCs by EPA Method TO-15, plus additional n-alkane and tentatively identified compounds (TICs) requested by NYSEG.

2.5 Health and Safety

All work related to this investigation was completed in accordance with the site-specific Health & Safety Plan (HASP) submitted as part of the PSA Work Plan and modified under the SVI Investigation Work Plan and RI Work Plan. Air emissions in the worker breathing zone during implementation of the field work activities were monitored using a PID and a mini-RAM dust monitoring device following the Community Air Monitoring Plan (CAMP) included with the PSA Work Plan and modified under the SVI Investigation Work Plan and RI Work Plan. Indoor breathing zone and building-wide air conditions were monitored during interior drilling with a four gas meter. Air emissions monitoring records are provided as Appendix D.

2.6 Waste Management

Investigation-derived waste (IDW) was containerized in appropriate waste containers and staged in the southern portion of the vehicle parking area prior to offsite disposal. Soil cuttings, monitoring well purge water, decontamination water, personal protective equipment (PPE), and spent disposable sampling materials were segregated by waste type and placed in DOT-approved 55-gal steel drums. Waste storage containers were appropriately labeled with the contents, generator, location, and date for offsite transportation and disposal coordination by NYSEG.

3. INVESTIGATION RESULTS

3.1 Geologic and Hydrogeologic Setting

Based on the review of existing literature (see References) and observations during field work, a description of the geologic and hydrogeologic setting at the Site is provided below.

3.1.1 Regional Geology

Seneca County, bounded on the east and west by Cayuga and Seneca Lakes, straddles two major physiographic provinces, the Ontario Lowlands to the north and the Allegheny Plateau to the south. The boundary between the two provinces lies roughly along the line of the Seneca River and Canal. The Ontario Lowlands is characterized by generally low relief and productive farmlands. The Allegheny Plateau is relatively high and rugged. The bedrock beneath the northern portion of Seneca Falls and in the vicinity of the Site is the Late Silurian Salina Group consisting of the Akron, Bertie, and Syracuse Dolostones and the Camillus, Syracuse, and Vernon Shales. The Salina Group is replaced southwardly in the Allegheny Plateau by the Middle Devonian Onondaga Formation consisting of the Onondaga Limestone (Fisher, D.W., et al., 1970). The contact between the Salina Group and Onondaga Formation is mapped in the approximate center of Seneca Falls along the Seneca River and Canal.

The Seneca River and Canal flows through the Clyde/Seneca River and Canal Trough, a belt of lowlands running west-to-east. The trough was carved from soft shales of the Salina Group during and after the Wisconsin ice sheet, ending approximately 14,000 years ago. The Clyde and Seneca Rivers Trough is bounded by the Onondaga limestone ridge. The trough was subsequently filled with unconsolidated material during glacial retreat. (USGS, 2002)

3.1.2 Regional Hydrogeology

Seneca Falls and the Seneca River and Canal are located within the Oswego River Basin. Water flows from upland streams to the Finger Lakes, then to low-gradient rivers including the Seneca River and Canal, and ultimately to Lake Ontario (USGS, 2002). The average depth to groundwater in the area is approximately 3 ft or greater (USDA Soil Conservation Service, 1988).

3.1.3 Site Geology

The overburden at the Site consists of two geologic layers, fill and glacial till. The underlying bedrock observed in test pits completed in the lowland area is shale, likely a member of the Late Silurian Salina Group as described in Section 3.1.1. Exploration logs for soil borings and test pits are provided in Appendix B. Four subsurface profiles (cross-sections) have been developed to facilitate discussion of subsurface geology. The locations of the cross-sections are presented on Figure 3 and cross-sections A-A', B-B', C-C', and D-D' are presented in Figures 5A through 5D, respectively.

Haley & Aldrich field staff observed fill at all on-site and off-site boring locations. In the upland portion of the Site, fill thickness ranges from 6.5 ft in the northern portion of the vehicle parking area to 20 ft beneath the on-site building. Fill materials in the upland portion of the

Site are variable in nature, but generally consist of silt and fine sand with varying proportions of gravel, ash-like material, cinders, coal fragments, bricks and brick fragments, wood, and stone building blocks.

Fill materials encountered in the lowland portion of the Site were similar to the upland area, with lesser amounts of building debris such as bricks and stone building blocks. Fill material generally consisted of silt and fine sand with varying proportions of gravel, cinders, coal fragments, and wood. Discarded debris was observed at ground surface in several areas of the lowland area and along the slope separating the upland and lowland areas of the Site. Fill material thickness varied across the lowland area, ranging from 4 to 11 ft.

Fill material in the backyards of the residential properties to the east (181-183 Fall Street and 185 Fall Street) generally consisted of silt and fine sand with varying quantities of gravel, coal fragments, cinders, brick fragments, and ceramic fragments. The fill thickness ranged from 2 to 5 ft. The inclusion of ceramic fragments in the fill material, not widely observed in on-site fill materials, suggests residential property fill materials may be from a source unrelated to MGP operations. A layer of topsoil was observed at eight (SB-07-11, SB-07-12, SB-07-14, SB-07-15, SB-07-16, SB-07-18, SB-07-20, and SB-07-22) of the twelve residential property soil boring locations.

Fill material at the hand auger urban fill sample locations, collected on publically- and privately-owned parcels within the Seneca Falls Village (as shown on Figure 3) typically consisted of silty sand with varying amounts of brick fragments, coal-like material, glass fragments, or metal fragments. Coal-like fragments were observed at five of the six hand auger locations.

Glacial till was encountered in the upland portion of the Site, including both the on-site exploration locations and off-site exploration locations at 181-183 and 185 Fall Street. Glacial till generally consisted of silt with varying amounts of sand and gravel (typically in small proportions). Upland soil boring locations indicated a saturated zone of fine sand was present near the base of the glacial till, approximately 10 ft above the underlying bedrock. The sandy water-saturated zone within the glacial till is the water-bearing interval beneath the Site. Upland glacial till thickness ranges from 12 to 24 ft. Glacial till was present across most of the lowland area, except for the southeast portion of the Site where fill was encountered to bedrock. Lowland glacial till thickness ranged from not present to 8 ft thick. Refusal on bedrock was encountered at both upland and lowland conditions, where the shale bedrock surface was found to be flat and relatively smooth.

3.1.4 Site Hydrogeology

Groundwater level monitoring was conducted in all Site monitoring wells on 11 December 2007, 31 March 2008, 14 May 2008, and 21 August 2009 during groundwater sampling events, and on 1 July 2008 during monitoring well hydraulic conductivity testing. The Seneca River and Canal surface water elevation was gauged at three locations (SG-1 through SG-3) during each of the four monitoring events. A summary of groundwater and surface water elevation calculations is presented in Table 3-1.

Groundwater potentiometric surface maps were created for each of the groundwater monitoring events and are provided as Figures 6, 7, and 8. These figures indicate a general groundwater

flow direction of north to south beneath Site, towards the Seneca River and Canal. Surface water elevations in the Seneca River and Canal are generally equivalent to lowland monitoring well elevations, indicating hydraulic communication between surface water and groundwater in the vicinity of the Site. During the May 2008 monitoring event the surface water elevation in the Seneca River and Canal was slightly higher than the groundwater elevation in MW-07-06, suggesting that periodic and localized reversal of the groundwater flow direction is possible in the immediate vicinity of the waterway.

Groundwater elevations measured in monitoring wells MW-08-01 and MW-08-02 were not used for constructing the potentiometric surface maps. Water elevations in these two monitoring wells are higher than surrounding Site monitoring wells, indicating localized perched conditions likely related to the former gas holder and fill materials beneath the on-site building. Water levels measured in MW-08-01 and MW-08-02 since these wells were first sampled in March 2008 have declined or remained the same, indicating seasonal changes in perched conditions.

The average horizontal hydraulic gradient across the Site is estimated to be approximately 0.07 ft/foot.

During 2007, 2008, and 2009 groundwater level monitoring events, none of the Site wells contained a measurable thickness of non aqueous phase liquid (NAPL).

3.1.5 Slug Test Analysis

Hydraulic conductivity tests (slug tests) were completed at monitoring wells SB-07-02 through SB-07-06 and MW-08-01 on 1 July 2008. Tests were not completed in monitoring wells SB-08-02 and SB-08-03 since these wells represent localized perched conditions unrelated to overall Site hydrogeology. Slug tests were replicated twice at each monitoring well, with the exception of SB-07-03 and SB-07-04 which required several hours to recover from the initial test. The hydraulic conductivity analyses are provided in Appendix E.

Slug test results indicate that the average hydraulic conductivity for glacial till, the water bearing unit beneath the Site, is approximately 4.5×10^{-5} centimeters per second. Hydraulic conductivity test results are summarized on Table 3-2.

3.2 Field Observations

This section summarizes observations recorded during field exploration activities (e.g., visual, olfactory, and PID readings). Visual observations and maximum head space screening results, if detections occurred, are summarized on Table 3-3. Visual observations categorized relative to the presence of MGP odor, staining, sheen and tar-like material (TLM) are shown on Figure 9. Complete head space screening results are recorded on the test pit and soil boring logs provided as Appendix B.

3.2.1 On-Site

As described in Section 3.1.3, fill was observed throughout the Site ranging from 4 to 20 ft in thickness and containing varying amounts of coal fragments, cinders, wood, ash, brick fragments, and stone blocks. The fill material overlies glacial till.

No apparent impacts were observed in glacial till with the exception of SB-08-03 located immediately adjacent to the former gas holder. Intermittent stringers of TLM were observed at SB-08-03 between approximately 19.5 to 23.5 ft bgs, comparable with the approximate bottom depth of the former gas holder. Minor amounts of residual material attributed to historic MGP operations were observed in the fill under the vehicle parking area and in the lowland area. Observations related to residual MGP material included the following:

- TLM blebs were observed from 7 to 8.5 ft bgs in test pit TP-07-01, just above the fine-grained glacial till.
- Hardened TLM and black staining was observed from 7.6 to 8 ft bgs in test pit TP-07-02.
- Pockets of black staining and hardened TLM were observed and a weak MGP-like odor was noted at test pit TP-07-04 located in the western portion of the lowland area.
- Wood planks with a hardened TLM coating were observed in test pit TP-07-05 located in the central portion of the lowland area.
- Black staining and hardened TLM was observed from 4.5 to 5.5 ft bgs at test pit TP-07-06 located in the northeastern portion of the lowland area. Wood planks observed at 2 ft bgs were identified by the on-site NYSDEC representative as possible purifier waste. Haley & Aldrich interprets the wood planks' origin as likely related to historic lumber storage or the "planked drive" noted on historic Sanborn maps, which was located in the general vicinity of TP-07-06.
- Hardened TLM and highly viscous TLM was observed in a silt and silty fine sand matrix from 0.7 to 2 ft bgs at test pit TP-07-08, located in the central portion of the lowland area.
- Partially hardened TLM was observed from 7 to 8.5 ft bgs at test pit TP-07-09, located in the southeastern portion of the lowland area.
- Hardened TLM was observed from 1 to 2 ft bgs at test pit TP-07-11, located in the southwestern portion of the lowland area.
- A MGP-like odor was noted at 2 ft bgs at soil boring SB-07-03, located in the northeastern portion of the lowland area.
- Sheen was observed in a water-saturated interval 5.3 to 6 ft bgs at soil boring SB-07-05, located in the southwest portion of the lowland area.
- A slight MGP-like odor was noted at 11 ft bgs at SB-08-01, located inside the footprint of the former gas holder. A similar odor was noted 17 ft bgs at SB-08-02, located inside the former gas holder adjacent to SB-08-01.
- A slight MGP-like and gasoline-like odor was noted in fill material immediately overlying the top of glacial till 9.5 ft bgs at SB-08-03 located south of the former gas holder. Weak MGP-like odor was noted at 15 ft bgs in glacial till. TLM stringers

were observed in glacial till at 19.5 to 21.2 ft, 21.5 ft, 22 ft, and 23.4 ft bgs. TLM stringer depths are similar to split spoon refusal depths observed at SB-08-01 and SB-08-02, likely the floor the former gas holder.

Head space screening results indicate that detections above background values were generally limited to the fill material (Table 3-3). Minor head space detections were reported in glacial till at soil boring locations SB-07-02 and SB-07-08 located in the vehicle parking area. With the exception of SB-03-03 discussed above, MGP-related materials (TLM) were not observed in on-site glacial till. The fine-grained consistency of the glacial till likely limits the downward vertical extent of impacts at the Site.

Former MGP structures observed in test pits and soil borings in the central and northern portion of the vehicle parking area indicate former MGP structure foundations were back-filled with building demolition debris and fine-grained fill material. Test pits TP-07-02 and TP-07-03 were completed in the vicinity of the former purifier room and retort room, respectively. Test pit TP-07-01 and soil borings MW-08-02 were completed within the footprint of the former gas holder, and soil borings MW-08-01 and MW-08-03 were completed immediately outside the former gas holder. Specific observations related to former MGP structures include the following:

- Former gas holder – Test pit TP-07-01 was completed straddling the west rim of the former gas holder, adjacent to the former on-site building. A distinct gas holder wall was not encountered. Excavated materials included silt with varying amounts of coal fragments, cinders, bricks, and wood. A thin layer of possible purifier waste material was observed 4 ft bgs. Soil borings SB-08-01 and SB-08-02 were completed inside the former on-site buildings and within the footprint of the former gas holder. Similar fill materials were encountered, along with non-MGP related materials such as leather-like material and ceramic fragments. Refusal was encountered at approximately 20 ft below the on-site building floor slab surface, likely on the bottom surface (floor) of the former gas holder.

- Former purifier room: Test pit TP-07-02 was completed spanning the former purifier and lime house structures. Concrete blocks were observed in the southern portion of the test pit oriented east to west, likely the southern wall of the former purifier room foundation. A 2-inch diameter steel pipe was encountered approximately 8 ft bgs, oriented east to west. The former purifier room foundation appeared to be backfill with fine-grained fill material and building demolition debris.

- Former retort room: Test pits TP-07-03N (north) and TP-07-03S (south) were completed straddling the northern former coal shed. The test pits were separated by brick wall at the northern extent of TP-07-03S. The brick wall is interpreted to be the southern foundation wall of the retort room. Three pipes were encountered during excavation of TP-07-03S. One 8-inch diameter steel pipe oriented east to west was encountered approximately 3 ft bgs and 7.5 ft north of the southern test pit wall. A second 8-inch diameter steel pipe oriented east to west was encountered approximately 5 ft bgs in the northern portion of TP-07-03S. A third 8-inch diameter steel pipe oriented east to west was encountered further to the north approximately 4 ft bgs. A gasoline-like odor (which dissipated quickly) was noted when the third pipe was broken by the excavator, minor amounts of liquid were observed. Similar to the former

purifier room, the foundation appeared to be backfill with fine-grained fill material and building demolition debris.

3.2.2 Off-Site

3.2.2.1 Eastern Properties (181 – 185 Fall Street)

Subsurface explorations were completed in the residential backyards of 181-183 and 185 Fall Street. Fill materials included clinker-like material, coal fragments, ash-like material, and ceramic fragments. Ceramic fragments were not observed at exploration locations completed immediately adjacent to the Site property boundary (SB-07-04, SB-07-11, SB-07-15, and SB-07-20) and were not typically observed in on-site fill material. No MGP-related structures were observed beneath the off-site residential properties east of the Site. No impacts were observed in the glacial till.

3.2.2.2 Western Property (193 Fall Street)

Test pits were excavated on the lowland portion of the Sunoco Property. Fill material was observed ranging from 1 to 9 ft bgs, consistent with 2007 observations on the lowland portion of the Former MGP Site. The fill material contained varying quantities of ash-, cinder-, and clinker-like material; red brick fragments; coal-like fragments; and stone blocks interpreted as building demolition debris. A slight iridescent sheen was observed on water flowing into test pit location TP-09-03, although no odor was noted. A discarded steel drum containing tar-like or asphalt-like material unrelated to the Former MGP Site was observed along the Sunoco Property western property boundary. No impacts specifically attributable to historical MGP operations were observed in the Sunoco Property lowland area fill material.

The fill material overlies glacial till. Consistent with observations in lowland area soils on the Former MGP Site, no apparent impacts were observed in the glacial till material underlying the fill.

3.2.2.3 Urban Fill Material

Six urban fill samples were collected on publically- and privately-owned parcels within the Seneca Falls Village as shown on Figure 3. Soils interpreted as fill material were encountered at each location. Fill material typically consisted of silty sand with varying amounts of brick fragments, coal-like material, glass fragments, or metal fragments. Coal-like fragments were observed at five of the six hand auger locations.

3.2.3 Sediment

Sediment thickness probing and core sampling were completed in the Seneca River and Canal at stations upstream, adjacent to, and downstream from the Former MGP Site. Soft sediment thickness ranged from not present to a maximum of approximately 7 ft at station SE-09-34 (adjacent to the Former MGP Site). In general, soft sediment thickness was approximately 3 to 4 ft.

Sediment was not present at stations approximately 100 ft west (upstream) of the Former MGP Site western property boundary and approximately 80 ft from and parallel to the northern riverbank where the navigational channel is present. A hard bottom was encountered in these areas, interpreted as probable top of bedrock.

Sediments typically consisted of soft, dark-brown silt and clay with layers of organic material such as wood, leaves, rootlets, and other organic detritus. A submerged stone structure, possibly associated with a historical wharf structure, was observed in the vicinity of station SE-09-07. As stated above, the southern extent of soft sediment abruptly ends approximately 80 ft from the northern shoreline at the navigational channel. Sediment along the southern riverbank on the south side of the navigation channel included coarse sand and gravel, interpreted as slough from the elevated shoreline which forms a steep embankment.

Impacts to sediment apparently attributable to historical MGP operations were observed approximately 200 ft along the shoreline in the vicinity of the Former MGP Site western property boundary and extending approximately 40 to 50 ft from the shoreline, as depicted on Figure 10. The visual and olfactory observations included TLM, oil-like material (OLM), staining, and odor. The apparent area of impact was visually delineated in the field by completing additional sediment coring stations or confirming the lateral extent of sediment.

Sheens were not observed on surface water under ambient conditions or during sediment thickness probing and sediment core collection activities. Potential MGP impacts were not observed in riverbank soils along the northern shoreline or in sediment collected along the southern shoreline.

3.3 Laboratory Analytical Results

Laboratory analytical results for soil, sediment, groundwater, and soil gas are presented in this section. Table 3-4 summarizes all of the soil samples collected during 2007, 2008, and 2009 field investigations. Table 3-5 summarizes all of the sediment samples collected during the 2009 field investigation. Table 3-6 summarizes soil and groundwater samples that exceeded applicable SCOs and water quality standards. Laboratory analytical data reports and data usability summary reports (DUSRs) are included as Appendix F.

3.3.1 Data Usability

Sample analyses followed the NYSDEC Analytical Services Protocol (ASP), and included quality assurance/quality control (QC/QC) samples at a frequency indicated in the QAPP. Analytical results for analysis of soil and groundwater samples were reported using NYSDEC ASP Category B data deliverables and are provided in Appendix F, along with the data usability summary reports (DUSRs). The analytical data were validated and determined to be usable for the purposes of this report.

3.3.2 On-Site Soil

A summary of the on-site soil analytical results is discussed below and presented in Tables 3-7 and 3-8, respectively. Figures 11 and 12 depict the on-site surface and subsurface soil analytical results in excess of the New York Codes, Rules, and Regulations Part 375 Restricted

Commercial SCOs. Restricted Commercial SCOs were chosen based on the current and likely future Site use as a commercial property, and current zoning (Highway Commercial).

Volatile Organic Compounds

VOCs were not detected in any of the on-site soil samples at concentrations exceeding the Part 375 Restricted Commercial SCOs.

Semi-Volatile Organic Compounds

Samples from 14 of the 25 soil boring, test pit, and surface soil sample on-site locations had SVOCs in excess of the Part 375 Restricted Commercial SCOs. The SVOCs detected above the Restricted Commercial SCOs included: benzo(a)anthracene, benzo(a)pyrene, benzo(b)flouranthene, benzo(k)flouranthene, chrysene, dibenzo(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, and pyrene. With one exception, samples with SVOC results exceeding the applicable SCOs were collected from fill material in the upland and lowland portions of the Site. A sample collected from glacial till adjacent to the former gas holder at SB-08-03 (21 to 23 ft bgs) had SVOCs in excess of the Restricted Commercial SCOs and was collected from a zone where TLM stringers were observed during drilling. A sample collected deeper in the glacial till at the same boring location (27 to 29.3 ft bgs) did not have detectable concentrations of SVOCs.

SVOCs were not detected in till samples collected from soil borings and test pits elsewhere on the Site.

Metals including Cyanide

Samples from 3 of the 25 soil boring, test pit, and surface soil sample on-site locations had arsenic in excess of the Part 375 Restricted Commercial SCO. Two of the samples were collected within or immediately adjacent to the former gas relief holder. The Restricted Commercial SCO for total cyanide was not exceeded at any sample location, including samples collected inside the former gas holder.

3.3.3 Off-Site Soil

3.3.3.1 Eastern Property (181-185 Fall Street)

A summary of the off-site residential surface and subsurface soil analytical results is discussed below and presented in Tables 3-9 and 3-10, respectively. Figures 13 and 14 depict the off-site residential surface and subsurface soil analytical results in excess of the Part 375 Unrestricted Use SCOs. Unrestricted Use SCOs were chosen based on the current likely future residential use of the off-site properties that were the subject of this investigation.

Volatile Organic Compounds

VOCs were not detected in any of the off-site residential soil samples at concentrations exceeding the Part 375 Unrestricted Use SCOs.

Semi-Volatile Organic Compounds

Samples from 11 of the 15 direct push and surface soil sample off-site residential locations had SVOCs in excess of the Part 375 Unrestricted Use SCOs. The SVOCs detected above the SCOs for Unrestricted Use SCOs included: benzo(a)anthracene, benzo(a)pyrene, benzo(b)flouranthene, benzo(k)flouranthene, chrysene, dibenzo(a,h)anthracene, fluoranthene, and indeno(1,2,3-cd)pyrene. The samples with SVOCs in excess of the applicable SCO were collected from fill material in the backyard portions of the residential properties. The horizontal distribution of samples with SVOCs in excess of the Unrestricted Use SCOs appears random across the central portion of the backyard areas, with slightly higher concentrations of SVOCs detected in samples collected along the property boundary with the Former MGP Site (SB-07-20, SB-07-15, and SB-07-11).

A residential backyard sample (SB-07-12, 2 to 4 ft bgs) with SVOCs reported at concentrations below the Unrestricted Use SCOs was collected in glacial till immediately below the fill material. SVOCs were also not detectable in a glacial till sample collected between the former MGP property and at the 185 Fall Street dwelling (SB-07-04, 26 to 26.8 ft bgs). MGP-related materials were not observed during drilling in the glacial till beneath the residential properties.

Metals including Cyanide

Samples from 14 of the 15 direct push and surface soil sample off-site residential locations had metals in excess of the Part 375 Unrestricted Use SCOs. The metals detected above the Unrestricted Use SCOs were arsenic, barium, copper, lead, mercury, selenium, and zinc. Two samples (SB-07-12, 2 to 4 ft bgs and SB-07-04, 26 to 26.8 ft bgs) were collected in glacial till below the fill material detected metals below the Unrestricted Use SCOs.

The Unrestricted Use SCO for total cyanide was not exceeded at any sample location.

3.3.3.2 Western Property (193 Fall Street)

A summary of the Sunoco Property surface and subsurface soil analytical results is presented in Tables 3-7 and 3-8, respectively. Figures 11 and 12 depict the Sunoco surface and subsurface soil analytical results in excess of the Part 375 Restricted Commercial SCOs. Restricted Commercial SCOs were chosen based on the current and likely future Sunoco Property use as a commercial property, and current zoning (Highway Commercial).

Volatile Organic Compounds

VOCs were not detected in any of the off-site commercial soil samples at concentrations exceeding the Part 375 Restricted Commercial SCOs.

Semi-Volatile Organic Compounds

Samples from 6 of the 10 test pit and surface soil sample off-site commercial locations had SVOCs in excess of the Part 375 Restricted Commercial SCOs. The SVOCs detected above the Restricted Commercial SCOs included: benzo(a)anthracene, benzo(a)pyrene, benzo(b)flouranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene. The three test pit locations and three surface soil samples with SVOC results that exceeded the Restricted Commercial SCOs were located in the southern portion of the Sunoco Property lowland area. At each of the three test pit locations, analytical results for soil samples collected near the bottom of the test pit indicated SVOCs were not detectable.

Metals including Cyanide

One surface soil sample collected from the Sunoco Property had arsenic in excess of the Part 375 Restricted Commercial SCO. The sample was collected in the southeastern portion of the Sunoco Property lowland area adjacent to the Former MGP Site. The Restricted Commercial SCO for total cyanide was not exceeded at any sample location.

3.3.4 Urban Fill Material

A summary of the Village fill material analytical results is presented in Table 3-9. Figure 13 depicts the off-site soil analytical results in excess of the Unrestricted Use SCOs. Unrestricted Use SCOs were chosen for purposes of comparing Village-wide analytical results with samples collected from 181-183 and 185 Fall Street residential backyards east of the Former MGP Site.

Volatile Organic Compounds

Due to the shallow sample depths, urban fill hand-auger samples were not tested for VOCs.

Semi-Volatile Organic Compounds

Samples from 3 of the 6 hand auger soil sample locations had SVOCs in excess of the Part 375 Unrestricted Use SCOs. The SVOCs detected above the Unrestricted Use SCOs were benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene. The three sample locations included a residential setting (HA-09-05), a commercial setting (HA-09-08), and an area adjacent to a community center parking lot (HA-09-02). Concentrations were comparable to the 181-183 and 185 Fall Street residential backyard sample results.

Metals including Cyanide

Samples from three of the 6 hand auger soil sample locations had metals in excess of the Part 375 Unrestricted Use SCOs. The metals detected above the applicable Unrestricted Use SCOs were lead, mercury, and zinc. The three sample locations included a residential setting (HA-09-05), a commercial setting (HA-09-08), and an area adjacent to the community center parking lot (HA-09-02).

3.3.5 Sediment

A summary of the Seneca River and Canal sediment analytical results is presented in Table 3-11. Figure 15 depicts the concentration of total detected PAHs in sediment. Total PAHs was selected to evaluate the relative level of impacts from petrogenic or pyrogenic sources and evaluate the overall distribution.

Analytical results indicate the widespread presence of PAHs and other SVOCs. The concentration of total PAHs ranged from non-detectable at station SE-09-38 collected along the southern shoreline (south of the navigational channel) to 12,844 ppm at station SE-09-08 (1.5 to 2.0 ft) located in the area visually impacted by TLM near the Former MGP Site western property boundary.

The total organic carbon content ranges from 12,200 ppm to 159,000 ppm.

3.3.6 Groundwater

A description of the groundwater analytical results is presented below and results are summarized in Table 3-12. Figure 16 depicts the groundwater analytical results in excess of the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Water Quality Standards. Low flow field parameters collected during groundwater sampling are summarized in Table 3-13.

Volatile Organic Compounds

Groundwater samples collected from four of the eight groundwater monitoring wells had VOCs in excess of the TOGS Class GA water quality standards. The VOCs detected above the TOGS water quality standards include benzene, ethylbenzene, styrene, toluene, and xylene. Methyl-tert butyl ether (MTBE), unrelated to historic MGP operations, was detected below the TOGS Class GA standard in monitoring wells MW-07-05 and MW-08-03.

Monitoring wells that contained VOCs at concentrations exceeding GA water quality standards are generally limited to the upland portion of the Site. Benzene was detected at a trace concentration (1.3 μg/L, an estimated value) in lowland area monitoring well MW-07-03 during May 2008 sampling. Benzene was not detected in samples collected from MW-07-03 in December 2007 and August 2009. The May 2008 detection appears to be an anomaly.

Semi-Volatile Organic Compounds

Groundwater samples collected from four of the eight groundwater monitoring wells had SVOCs in excess of the TOGS Class GA water quality standards. The SVOCs detected above the TOGS water quality standards were the following: benzo(a)anthracene, benzo(a)pyrene, benzo(b)flouranthene, benzo(k)fluoranthene, biphenyl, bis(2-ethylhexyl)phthalate, chrysene, indeno(1,2,3-cd)pyrene, naphthalene, phenanthrene, and phenol.

Similar to VOCs, monitoring wells that contained SVOCs at concentrations exceeding GA water quality standards were limited to the upland portion of the Site. Naphthalene was detected at a concentration of 40 μg/L in lowland area monitoring well MW-07-02 during the

May 2008 sampling event. Naphthalene was not detected in samples collected from MW-07-02 in December 2007 and August 2009.

Metals including Cyanide

Groundwater samples collected from all groundwater monitoring wells had metals in excess of the TOGS Class GA water quality standards. The metals detected above the TOGS water quality standard were the following: arsenic, chromium, iron, lead, magnesium, manganese, nickel, selenium, and sodium. The GA water quality standard for total cyanide was exceeded at four locations, all of which were installed within or in the vicinity of the former gas holder.

3.3.7 Soil Vapor and Indoor Air

Sub-slab soil vapor, indoor air, and ambient air samples collected as part of the SVI investigation were compared to NYSDOH's 2003 Study of Volatile Organic Compounds in Air of Fuel Oil Heated Homes background concentrations. Results of the SVI investigation were reported to the NYSDOH in March 2008 immediately follow receipt of the analytical results. SVI investigation analytical results are presented in Table 3-14.

Comparison with the NYSDOH 2003 guidelines was a conservative approach since the on-site building was not a residential home. No VOCs typically associated with MGP sites were detected in excess of the 75th percentile of the NYSDOH 2003 guidelines. Tetrachloroethene (PCE) exceeded the 75th percentile, but that chemical was also present in the outdoor ambient air sample and therefore some of that chemical in the building can be attributed to an outdoor air source. PCE is not associated with former MGP operations.

4. CONCEPTUAL SITE MODEL

This section presents the updated conceptual site model (CSM) that was developed for the Site and study area. The CSM is a comprehensive understanding of the Site that integrates land use, the nature and extent of impacts for all applicable media, the geologic and hydrogeologic conditions, and the potential receptors. The CSM includes a discussion of the findings regarding Site investigations and laboratory analytical results, a hydrogeologic model that considers the physical and chemical conditions for the Site, a qualitative evaluation of exposure pathways, and a summary of the resource characterization and ecological impact assessment criteria. Each of these components is presented below.

4.1 Summary of Investigation Findings

This section summarizes the physical and chemical observations from the on-site and off-site investigations.

4.1.1 On-Site

4.1.1.1 Soil

The Site is physically defined by an upland and lowland area separated by a steep slope running approximately east to west. The upland area previously included an approximately 9,750 square-foot slab-on-grade commercial building, which was demolished in 2009. The concrete floor slab was left in place. To the west of the floor slab is an asphalt-covered vehicle parking area. The lowland area includes heavily vegetated undeveloped land bordered to the south by the Seneca River and Canal. The Site is bordered by Fall Street to the north, residential properties to the east, and a Sunoco gasoline filling station to the west. The residential property abutting the Site to the east is owned by NYSEG. The area surrounding the Site is mixed residential and commercial.

Subsurface explorations completed in the upland portion of the Site indicate the vehicle parking area and building floor slab are underlain by varying thicknesses of fill material and historic MGP structures. In general, the fill included ash-like material, clinker-like material, and minor amounts of viscous or hardened TLM. The contents of the former gas holder, located beneath the floor slab, appear to be limited to fill materials that primarily include building demolition debris (unrelated to commercial building demolition in 2009). The bottom of the former gas holder appears to be intact, and was encountered approximately 20 ft bgs.

TLM was not encountered at the two boring locations (SB-08-01 and SB-08-02) and one test pit (TP-07-01) completed inside the former gas holder footprint. A MGP-type odor was noted at each of the three exploration locations. One soil boring (SB-08-03) was completed immediately adjacent to and downgradient from the former gas holder. Stringers of TLM were observed in glacial till at the approximate bottom elevation of the former gas holder. Visual observations, head space analysis results, and laboratory analytical results for a soil sample collected below the TLM stringers in SB-08-03 (observed intermittently between 27 to 29 ft bgs) indicate the downward vertical extent

of the TLM is limited by the fine-grained glacial till and impacts do not extend into underlying bedrock. Soil borings to the west, south, and east of the on-site building (SB-07-02, SB-07-10, SB-07-03, and SB-07-04) indicate that the TLM stringers are not laterally extensive.

The lowland area of the Site is underlain by fill material ranging in thickness from 4 to 11 ft. The bottom elevation of the fill material in the southern portion of the lowland area is several feet below the measured water elevation of the Seneca River and Canal, suggesting the fill material may have been placed during the construction of the waterway in 1818 (prior to MGP operations beginning circa 1856) or during canal modifications in 1915 (after MGP operations ceased in 1905). In the southern portion of the lowland area, the bottom elevation of fill material ranges from approximately 423 ft at SB-07-09 to 427 ft at SB-07-06. The surface water elevation of the Seneca River and Canal at the time of field investigations was approximately 428 ft in the vicinity of the Site during surface water elevation monitoring.

Based on the current and predicted future use of the Site as a commercial property, laboratory analytical results for soil samples collected during field investigations were compared to Part 375 Restricted Commercial SCOs. With the exception of soil boring SB-08-03 located adjacent to the former gas holder, compounds exceeding the applicable SCOs were limited to arsenic and SVOCs in samples collected from fill material. Benzene, toluene, ethylbenzene, and xylene (BTEX), VOCs which are often present in soil at former MGP sites, were detected at concentrations well below the applicable SCOs in on-site soil samples. Analytical results, visual observations, and PID screening results for soil samples collected from glacial till in upland and lowland portions of the Site indicated that MGP-related impacts are not typically present in the underlying glacial till and are limited to the overlying fill.

The horizontal distribution of fill material sample locations with compounds exceeding Restricted Commercial SCOs appears random across both the upland and lowland portions of the Site. The wide distribution correlates with historic documentation (Sanborn Maps) that indicate the upland and lowland portions of the Site were both active during MGP operations.

4.1.1.2 Groundwater

Groundwater analytical results for VOCs and SVOCs indicate that concentrations exceeding applicable TOGS Class GA standards are limited to monitoring wells in the upland portion of the Site. With the exception of monitoring wells MW-08-01, MW-08-02, and MW-08-03 which were installed within or immediately adjacent to the former gas holder, benzene is the only VOC which exceeds groundwater quality standards. Benzene is consistently detected at low concentrations (less than 6.6 μg/L) in samples collected from monitoring well MW-07-04, and has been detected in one of three samples collected from MW-07-03.

Excluding the three wells installed in the immediate vicinity of the former gas holder, naphthalene is the only SVOC which exceeds groundwater quality standards, detected in one of three samples collected from MW-07-02. Naphthalene was not detected in the sample most recently (August 2009) collected from MW-07-02.

The applicable Class GA groundwater quality standards for several metals were exceeded at all groundwater monitoring well locations.

4.1.1.3 Soil Vapor

The SVI investigation results determined that MGP constituents of concern at the Site are not present in the soil gas or indoor air at concentrations in excess of the 75th percentile of the NYSDOH 2003 guidelines and the vapor intrusion pathway was determined to not be complete at the Site. Further, the on-site building was demolished in 2009.

4.1.2 Off-Site Soil

4.1.2.1 Urban Fill Material

The fill material collected in Seneca Falls Village typically includes anthropogenic materials (brick, glass, metal) and coal-like material. This observation is consistent with the commercial and manufacturing history (including barge canal and railroad transportation) of Seneca Falls.

Analytical results of soil samples collected from the Village fill locations detected metals (lead, mercury, and zinc) and PAHs ((benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene chrysene, and indeno(1,2,3-cd)pyrene) at concentrations exceeding Part 375 Unrestricted Use SCOs.

The distribution of soil sample locations with concentrations of metals and PAHs exceeding Part 375 Unrestricted Use SCOs is variable and typical of urban fill. Urban fill samples with concentrations exceeding the Unrestricted Use SCO were collected from properties several hundred feet from the Former MGP Site and not associated with former MGP operations.

Concentrations of PAHs in urban fill was highest at location HA-09-02, located approximately 200 ft east of the former MGP eastern property boundary (350 ft from the upland MGP plant area). This location is adjacent to the community center parking area and in the vicinity of residential backyards, a setting similar to the Former MGP Site lowland area. Since the HA-09-02 sample location area has been residential since the time of MGP operations, the PAHs present in fill are unrelated to the former MGP. The concentrations likely reflect typical urban fill and historical residential heating fuel (wood, coal) ash disposal.

4.1.2.2 Eastern Properties (181-185 Fall Street)

The backyards of residential properties east of the Site (181-183 and 185 Fall Street) are located topographically lower than the Site upland area, and Fall Street. The ground surface in the backyards is generally uneven and slopes to the south. A steep slope and retaining wall separates the former on-site building location and the backyard of the adjacent former residence at 185 Fall Street. As previously indicated, 185 Fall Street is now owned by NYSEG.

During investigation field work, the residence at 181-183 Fall Street was a multi-family dwelling, and the residence at 185 Fall Street appeared to be a single-family dwelling. The backyard areas of both dwellings were accessible via basement-level doorways. The backyard surfaces were grassy and appeared to be well maintained during the June 2007 Site walkover and November 2007 field investigations. Vegetable gardens were not observed in either backyard during the June 2007 Site walkover.

Direct-push explorations in the residential backyards encountered topsoil, fill material, and glacial till. Fill materials included silt and fine sand with varying amounts of brick fragments, clicker-like material, ash-like material, and ceramic fragments throughout the samples collected. Analytical results for soil samples collected from the fill material indicate several metals and SVOCs exceed the Part 375 Unrestricted Use SCOs. BTEX were not detected in the eastern property soil samples.

Analytical results for one soil sample collected from the glacial till indicate metals and SVOCs exceeding Unrestricted Use SCOs are limited to the fill material. No MGP-related residual material or structures were observed in the glacial till beneath the residential properties.

The origin of the fill material in the residential backyards is unknown. The presence of ceramic materials throughout the fill, not commonly observed in on-site fill material, suggests the backyard fill may be unrelated to MGP operations. Possible sources may include material from nearby historic industrial operations placed during residential structure construction, fill material that was placed during the construction of the canal in 1818 or subsequent modifications in 1915, or discarded coal-fired furnace waste from residential heating systems. The Village sample results described above indicate that metals and SVOCs are present in urban fill at concentrations exceeding Unrestricted Use SCOs in other portions of Seneca Falls Village.

4.1.2.3 Western Property (193 Fall Street)

According to historical Sanborn maps, portions of the Sunoco Property lowland area were used by the MGP for coal storage. A historical wharf structure suggests that material handling and loading to canal vessels likely occurred in the southeast portion of the Sunoco Property lowland area. The primary historical use of the Sunoco Property lowland area appears to have been for lumber and coal storage.

The lowland portion of the Sunoco Property is underlain by fill material and glacial till. The fill material generally consists of silty sand with varying amounts of building demolition debris (brick fragments, stone blocks); ash-, clinker-, and cinder-like material, and coal-like fragments. No visual or olfactory indications of MGP materials were observed.

Analytical results from shallow (less than 5 ft bgs) subsurface and surface soil samples collected from the Sunoco Property lowland area fill material indicate the presence of PAHs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene) and arsenic (one surface soil sample) above Part 375 Restricted Commercial SCOs. Analytical results for samples

collected at the bottom of the test pits, including a glacial till sample, did not detect potential MGP constituents at concentrations exceeding Part 375 Restricted Commercial SCOs. Visual observations and head space screening during test pit explorations did not indicate that MGP-related materials are present in glacial till beneath the Sunoco Property. BTEX were not detected in the western property soil samples.

4.1.3 Sediment

Sediment along the northern shoreline of the Seneca River and Canal typically consists of silt and clay with varying quantities of organic material (wood, leaves, and other organic detritus). The total organic carbon content ranges from 12,200 ppm to 159,000 ppm).

Sediment is not present in areas west (upstream) of the Former MGP Site western property boundary and along the navigational channel approximately 80 ft south of and parallel to the northern shoreline.

Apparent MGP-related materials were observed in sediment in a defined area near the western Site property boundary. Observations included TLM, OLM, staining, and MGP-like odor. The distribution of the apparent MGP-related impacts may be associated with the historical handling and loading of MGP residual products to barge vessels at the historical wharf structure depicted on Sanborn maps.

Sediment sampling analytical results indicates the widespread presence of PAHs. The concentration of total PAHs ranged from non-detectable at station SE-09-38 collected along the southern shoreline (south of the navigational channel) to 12,844 ppm at station SE-09-08 (1.5 to 2.0 ft) located in the visually impacted area near the Former MGP Site western property boundary.

Based on the physical observations during sampling, and analytical results, the distribution of MGP-related impacts appear to be well defined by physical and olfactory observations. Varying concentrations of PAHs in Seneca River and Canal sediments indicate ongoing non-point PAH sources (i.e., storm water runoff and atmospheric deposition of combustion-derived PAHs) are present along the waterway. Collectively, these nonpoint sources contribute to the local ambient PAH concentration in the sediments beyond the areas of MGP impacts. The spatially localized nature of MGP impacts appears to have resulted from a combination of 1) small-volume spills/releases occurring during handling/loading of MGP materials at the former wharf and 2) little to no contaminated sediment resuspension and transport owing to low-energy flow conditions in the near-shore area where apparent MGP-related materials are present.

4.2 Site Hydrogeology

This section describes the hydrogeologic conditions observed during the remedial investigation. The hydrogeologic component of the CSM takes into consideration distribution of Site-related constituents and observed impacts. The key elements of the physical hydrogeologic portions of the CSM were presented in Sections 3.1.4 and 3.3.6 and are summarized below.

For the upland portion of the Site, a sandy interval in glacial till approximately 20 to 25 ft bgs was identified as the first water-bearing unit for the Site. Upland monitoring wells are screened in this saturated zone. In general, fill material overlying glacial till were dry with the exception of minor wet

zones at the top of glacial till observed at SB-07-04 and SB-08-03. Groundwater elevation monitoring and sampling at shallow monitoring well MW-08-01, installed in a perched zone beneath the footprint of the on-site building slab, indicate the perched zone is seasonal and easily drained during well purging. Bedrock was encountered approximately 30 ft below ground surface in the upland portion of the Site.

Water-saturated zones were identified in the lowland area soil borings and test pits at the base of the overburden material at elevations similar to upland monitoring wells. The saturated thickness of the overburden is approximately 5 to 9 ft in lowland portion of the Site. Lowland area monitoring wells were screened to the top of bedrock.

Five rounds of groundwater level monitoring were completed, including measurements of surface water elevation in the Seneca River and Canal. Groundwater elevation contours confirm the groundwater flow direction is to the south toward the Seneca River and Canal. Surface water elevations in the waterway are comparable to groundwater elevations, indicating communication between surface water and groundwater in the vicinity of the Site.

Surface water elevations measured in the Seneca River and Canal over three different calendar seasons (winter, spring, summer) indicates the water level in the waterway is stable, with observed maximum elevation changes of less than one foot.

4.3 Qualitative Exposure Assessment

A qualitative exposure assessment was completed to identify compounds of potential concern (COPCs), current or future potential exposure pathways, and potentially exposed receptors. The qualitative exposure assessment evaluated the on-site and off-site (residential) properties, and the Seneca River and Canal. A table of potential receptors, transport mechanisms, and complete exposure pathways is provided as Table 4-1.

Environmental media considered for the exposure assessment include surface and subsurface soil. Soil vapor was not included as part of the assessment since the SVI investigation result concluded soil gas and indoor air are not impacted by MGP-related compounds. Additionally, the on-site building has been demolished.

Groundwater was not included in the exposure assessment since fill material in the upland portion of the Site (where future construction or utility maintenance could occur) was dry, with the exception of thin perched zone beneath the on-site building. Saturated overburden zones encountered during the remedial investigation were deep in the upland area (approximately 25 ft bgs) and are not used for potable water sources. Compounds detected at concentrations above the TOGS Class GA groundwater quality standards from monitoring wells located in the lowland area, where groundwater is present a few feet below ground surface, include iron, magnesium, manganese, and sodium which are likely attributable to natural sources. Therefore, the exposure assessment did not consider lowland area groundwater.

4.3.1 On-Site

The on-site COPCs in soil identified during this investigation include arsenic and SVOCs above the Part 375 Restricted Commercial SCOs. The SVOC compounds include benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene,

dibenzo(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, and pyrene. The COPCs are present in surface and subsurface soils.

Current on-site human potential receptors include NYSEG workers and utility worker that occasionally visit the upland area and trespassers to the lowland portion.

Current exposure transport mechanisms to potential receptors include: dermal contact, ingestion, and dust inhalation of surface soil or subsurface soil.

Complete current exposure pathways identified include:

- Dermal contact, ingestion, or dust inhalation of surface soil by a NYSEG worker visiting the lowland portion;
- Dermal contact, ingestion, or dust inhalation of surface soil by a trespasser on the lowland portion; and,
- Dermal contact, ingestion, or dust inhalation of surface soil and subsurface soil by a utility worker at the upland area.

Future use and layout of the Site is expected to remain similar to present conditions. Therefore, future potential receptors are consistent with the current receptors noted above, with the addition of a construction worker scenario if a new building is constructed in the future.

Future exposure transport mechanisms to potential receptors include dermal contact, ingestion, and dust inhalation of surface soil or subsurface soil.

Complete future exposure pathways identified include;

- Dermal contact, ingestion, or dust inhalation of surface soil by a NYSEG worker visiting the lowland portion;
- Dermal contact, ingestion, or dust inhalation of surface and subsurface soil by a construction worker at the upland and lowland area;
- Dermal contact, ingestion, or dust inhalation of surface soil by a trespasser on the lowland portion; and,
- Dermal contact, ingestion, or dust inhalation of surface soil and subsurface soil by a utility worker at the upland and lowland area.

4.3.2 Off-Site

Off-site properties evaluated during the remedial investigation include residences at 181-183 and 185 Fall Street (located east of the Site), the Sunoco Property at 193 Fall Street (located west of the Site), and the Seneca River and Canal.

4.3.2.1 Eastern Properties (181 - 185 Fall Street)

The off-site COPCs for residential properties (181-183 and 185 Fall Street) identified during this investigation include compounds detected above Part 375 Unrestricted Use SCOs in surface and subsurface soils. The off-site COPCs include several metals (arsenic, barium, copper, lead, mercury, selenium, and zinc) and SVOCs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, fluoranthene, and indeno(1,2,3-cd)pyrene.

Current off-site human potential receptors include residents and construction workers. No underground utilities were identified during the backyard investigations.

Current exposure transport mechanisms include dermal contact with surface and subsurface soils, ingestion of surface and subsurface soils, or dust inhalation.

Complete current exposure pathways identified include:

- Dermal contact, ingestion, or dust inhalation of surface and subsurface soil by a resident; and,
- Dermal contact, ingestion, or dust inhalation of surface and subsurface soil by a construction worker.

Future land use is expected to remain residential and future potential receptors and complete exposure pathways are expected to remain the same.

4.3.2.2 Western Property (193 Fall Street)

The off-site COPCs for the Sunoco Property identified during this investigation include arsenic and SVOCs above the Part 375 Restricted Commercial SCOs in surface and subsurface soils. The SVOC compounds include benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, and pyrene.

Current off-site human potential receptors include Sunoco workers and trespassers that may visit the lowland portion of the Sunoco Property. No underground utilities were identified in the lowland area of the Sunoco Property, and the assessment assumes there are no plans for construction on the lowland portion of the property.

Current exposure transport mechanisms include dermal contact with surface and subsurface soils, ingestion of surface and subsurface soils, or dust inhalation.

Current complete exposure pathways identified include:

- Dermal contact, ingestion, or dust inhalation of surface soil by a Sunoco worker visiting the lowland portion of the Sunoco Property; and,
- Dermal contact, ingestion, or dust inhalation of surface soil by a trespasser on the lowland portion of the Sunoco Property.

Future land use is expected to remain commercial and future potential receptors are expected to remain the same as current receptors.

4.3.2.3 Seneca River and Canal

Apparent MGP-related materials including TLM and OLM are present in Seneca River and Canal sediment in the vicinity of the Site western property boundary. Current off-site human potential receptors include trespassers and boaters. Current exposure transport mechanisms include dermal contact with and ingestion of TLM- or OLM-impacted sediment.

Complete current exposure pathways identified include:

- Dermal contact or ingestion of sediment by a trespasser; and,
- Dermal contact or ingestion of sediment by a boater.

Future use of the waterway is expected to remain the same and future potential receptors and complete exposure pathways are expected to remain the same.

5. CONCLUSIONS AND RECOMMENDATIONS

The remedial investigation field activities were conducted in September, November, and December 2007; and March, May, July 2008, and August and September 2009. The major field activities included test pit excavations, soil borings with subsurface soil sampling, surface soil sampling, monitoring well installations, monitoring well hydraulic testing and groundwater sampling, a soil vapor intrusion investigation, a soil ambient conditions study in Seneca Falls Village, and a sediment investigation. The objectives of the RI activities, including prior historical and field studies, were to:

- Fully define the nature and extent of impacts associated with releases from the former MGP facility;
- Describe the potential impact for releases associated with the former MGP facility to affect human health and the environment;
- Provide sufficient understanding of the Site conditions to develop a Conceptual Site Model; and,
- Provide a basis for evaluation of remedial options.

5.1 Conclusions

Based on the site investigations conducted at the Seneca Falls Former MGP Site, the following conclusions can be made:

- The Site and study area is underlain by varying thicknesses of fill material ranging from 4 to 20 ft which is underlain by fine-grained glacial till. The till thickness ranges from 0 to 24 ft and extends to bedrock approximately 30 ft bgs in the upland portion of the Site and less than 20 ft bgs in the lowland portion of the Site. Whereas the provenance of the fill material is not completely known, historic research indicates that portions of the fill material were likely placed at the Site prior to or following MGP operations.
- Saturated soil was encountered in the glacial till at depths ranging from approximately 25 ft bgs in the upland portion of the Site, and approximately 2 to 7 ft bgs in the lowland portion of the Site. Groundwater flow direction is to the south to the Seneca River and Canal, a Class C surface water.
- The extent of MGP contamination in soil, groundwater and sediment has been delineated as described below.
- Historic MGP structure foundations encountered in the northern portion of the upland area appear to have been backfilled with building demolition debris and fine-grained fill material.
- The extent of TLM in soils beneath the Site is limited to stringers in the glacial till immediately downgradient from the former gas holder. The vertical extent of the TLM stringers appears limited to a depth of approximately 19.5 to 23.5 ft bgs (a depth equivalent to the apparent bottom depth of the former gas holder), and the lateral extent also appears to be limited.

Limited amounts of hardened or highly viscous TLM were observed in unsaturated fill material in the upland and lowland portion of the Site and beneath the on-site building floor slab.

- Overall, MGP-related compounds in soil (arsenic and SVOCs) exceeding Part 375 Restricted Commercial SCOs are limited to the fill material. Only one location immediately downgradient from the former gas holder had concentrations exceeding Part 375 Restricted Commercial SCOs in the glacial till, the extent of which appears to be limited.

- In order to better assess the contributions of non-MGP sources of PAHs and metals in fill materials in Seneca Falls Village, a NYSDEC-approved soil sampling work plan was implemented. The results confirmed that metals (lead, mercury, and zinc) and PAHs are present at ambient concentrations exceeding Part 375 Unrestricted Use SCOs.

- Off-site residential property backyards east of the Site (181-183 and 185 Fall Street) are underlain by fill and glacial till. Overall, soil sample laboratory analytical results indicate that metals and SVOCs exceeding Part 375 Unrestricted Use SCOs are limited to the fill material. Three soil samples located immediately adjacent to the eastern boundary with the Site did show indications of possible contributions by former MGP operations. Otherwise, soil samples collected from the fill in these backyards had concentrations from within the range to slightly greater than the results of the ambient conditions study in Seneca Falls Village. Therefore, the presence of these low-concentration PAHs and metals in the residential backyards represent conditions unrelated to former MGP operations.

- The off-site commercial property west of the Site (Sunoco Property) is also underlain by fill and glacial till. PAHs and arsenic were detected at concentrations that exceed the Part 375 Restricted Commercial SCOs in soil samples collected from southeastern / lowland portion of the Sunoco Property. This area appears to have been used for coal storage and a wharf structure suggests possible barge canal activities during part of the period the MGP plant was operational. Analytical results for surface and subsurface samples collected in fill material in the southwestern portion of the Sunoco Property had concentrations consistent with typical urban fill and the findings of the background study in Seneca Falls Village.

- The extent of MGP impacts to the overburden groundwater has been defined. The horizontal extent of MGP-related compounds (VOCs and SVOCs) exceeding TOGS Class GA groundwater quality standards are limited to the upland portion of the Site and do not impact the Seneca River and Canal. The vertical extent of groundwater beneath the upland portion of the Site is limited by the fine-grained glacial till.

- Sediment thickness in the vicinity of the Former MGP Site is generally 3 to 4 ft when present, consisting of silt with varying amounts of organic material. An area of MGP-related impacts, defined by physical observations, was observed in sediment adjacent to the former MGP western property boundary. The MGP-related constituents are present in the area of the historical wharf structure where MGP material may have been transferred to and from canal vessels. The concentration of PAHs in surface sediments (0 to 0.5 ft) are variable in the upstream and downstream portions of the Seneca River and Canal, interpreted as background concentrations for the waterway.

- An on-site soil vapor intrusion investigation was completed and the vapor intrusion pathway was determined to not be complete.

5.2 Receptors

A qualitative exposure assessment was completed for the Site, off-site properties, and the Seneca River and Canal. The exposure assessment concluded the following:

- On-site: Complete exposure pathways to surface soil were identified for current and future scenarios: an on-site utility worker, trespasser, or NYSEG employee occasionally visiting the Site. A complete exposure pathway to surface soil was identified for a future construction worker under the scenario that a new building is constructed at the Site. Complete exposure pathways to subsurface soil were identified for current and future utility workers, and for a future construction worker under the scenario that a new building is constructed at the Site.

- Off-site Residences at 181-183 and 185 Fall Street: This exposure assessment is provided for general understanding and completeness. However, most of the constituents considered for these properties are typical urban background and un-related to the MGP site. Complete exposure pathways to surface soil and subsurface soil were identified for a current and future resident or construction worker.

- For the off-site assessment of 193 Fall Street (Sunoco Property), complete exposure pathways to surface soil were identified for a current and future Sunoco employee or trespasser. The exposure assessment assumes no construction is planned for the lowland portion of the property.

- For the Seneca River and Canal, complete exposure pathways to sediment were identified for current and future trespassers and boaters.

5.3 Data Gaps

Based on the results of the Remedial Investigation and understanding of Site history and previously collected site data, we do not believe there are any gaps in data for the Seneca Falls former MGP Site.

5.4 Recommendations

Recommended future tasks for the Site subsequent to approval of this RIR include preparation of a remedy selection report to develop Remedial Action Objectives (RAOs) and strategies for the Site, off-site properties, and Canal sediments. Specifically, the recommended areas and media to address include:

- On-Site fill material in the upland and lowland portions of the Site, including the embankment along the eastern property boundary adjacent to the residential backyards, with SVOCs and arsenic exceeding Part 375 Commercial SCOs;

- The On-Site former gas holder backfill material to address SVOCs and arsenic exceeding Part 375 Commercial SCOs and groundwater exceeding Class GA water quality standards;

- On-Site glacial till immediately downgradient from the former gas holder to address TLM stringers observed outside the former structure from approximately 19.5 to 23.5 ft bgs;

- Off-Site fill material in the southeastern portion of the Sunoco Property lowland area with SVOCs and arsenic exceeding Part 375 Commercial SCOs; and,

- Seneca River and Canal sediment in the vicinity of the Site western property boundary, limited to the area where TLM was observed in the sediment.

No additional field activities are recommended at this time.

6. LIMITATIONS

This report has been prepared for the exclusive use of NYSEG in connection with Seneca Falls Former MGP site located in Seneca Falls, New York. The conclusions provided by Haley & Aldrich are based solely on the scope of work conducted and the sources of information referenced in this report.

7. REFERENCES

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TABLE 2-1
TEST PIT LOCATIONS AND RATIONALE
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Exploration Identification	Location Description	Rational	Target Exploration Depth	Actual Exploration Depth and Description	Laboratory Analyses [1.]		
					TCL VOCs	TCL SVOCs	TAL Metals & Cyanide
TP-07-01	Straddling west rim of former gas holder, on-site parking area	Screen for the presence of MGP residuals, investigate construction of former gas holder (slab or sub-grade) and characterize condition of structure, obtain soil samples, delineate overburden thickness, supplemental geological information.	Top of bedrock, saturated zone, or former foundation, which ever is encountered first	Terminated south end at 8.5 feet bgs and north end at 11.3 feet bgs in glacial till	2	2	2
TP-07-02	Spanning former purifier and lime house structures, on-site parking area	Screen for the presence of MGP residuals, characterize purifier and lime structures associated with former MGP operations, obtain soil samples, supplemental geological information.	Top of bedrock, saturated zone, or former foundation, which ever is encountered first	Terminated at 13 feet bgs in glacial till	2	2	2
TP-07-03N	Straddling north former coal shed, on-site parking area	Screen for the presence of MGP residuals, characterize condition and contents of former coal shed, obtain soil samples, delineate overburden thickness, supplemental geological information.	Top of bedrock, saturated zone, or former foundation, which ever is encountered first	Terminated at 12 feet bgs in glacial till	1	1	1
TP-07-03S	Straddling north former coal shed, on-site parking area	Screen for the presence of MGP residuals, characterize condition and contents of former coal shed, obtain soil samples, delineate overburden thickness, supplemental geological information.	Top of bedrock, saturated zone, or former foundation, which ever is encountered first	Terminated at 9 feet bgs in brick/slate/debris foundation fill	1	1	1
TP-07-04	Toe of slope, on-site near western property boundary	Screen for the presence of MGP residuals, obtain soil samples, delineate overburden thickness, supplemental geological information.	Top of bedrock	Terminated at 11 feet bgs on probable top of bedrock	2	2	2
TP-07-05	Toe of slope, central portion of Site lowland area	Screen for the presence of MGP residuals, obtain soil samples, delineate overburden thickness, supplemental geological information.	Top of bedrock	Terminated at 6 feet bgs on probable top of bedrock	2	2	2
TP-07-06	Eastern portion of Site lowland area	Screen for the presence of MGP residuals, obtain soil samples, delineate overburden thickness, supplemental geological information.	Top of bedrock	Terminated at 8 feet bgs on probable top of bedrock	2	2	2
TP-07-07	Eastern portion of Site lowland area	Screen for the presence of MGP residuals, obtain soil samples, delineate overburden thickness, supplemental geological information.	Top of bedrock	Terminated at 13 feet bgs on probable top of bedrock	2	2	2
TP-07-08	Southwestern portion of Site lowland area	Screen for the presence of MGP residuals, obtain soil samples, delineate overburden thickness, supplemental geological information.	Top of bedrock	Terminated at 8 feet bgs on probable top of bedrock	2	2	2
TP-07-09	South central portion of Site lowland area adjacent to Canal	Screen for the presence of MGP residuals, obtain soil samples, delineate overburden thickness, supplemental geological information.	Top of bedrock	Terminated at 9 feet bgs on probable top of bedrock	2	2	2
TP-07-10	Southeastern portion of Site lowland area near eastern property boundary	Screen for the presence of MGP residuals, obtain soil samples, delineate overburden thickness, supplemental geological information.	Top of bedrock	Terminated at 7 feet bgs on probable top of bedrock	2	2	2
TP-07-11	Southwestern portion of Site lowland area adjacent to Canal	Screen for the presence of MGP residuals, obtain soil samples, delineate overburden thickness, supplemental geological information.	Top of bedrock	Terminated at 5 feet bgs	NS	NS	NS
TP-09-01	Western lowland portion of Sunoco Property	Screen for the presence of MGP residuals, obtain soil samples, delineate overburden thickness, supplemental geological information.	Top of bedrock	Terminated at 7.5 fill bgs in fill	2	2	2
TP-09-02	Near center of lowland portion of Sunoco Property	Screen for the presence of MGP residuals, obtain soil samples, delineate overburden thickness, supplemental geological information.	Top of bedrock	Terminated at 10 feet bgs in possibly reworked glacial till	2	2	2

TABLE 2-1
TEST PIT LOCATIONS AND RATIONALE
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Exploration Identification	Location Description	Rational	Target Exploration Depth	Actual Exploration Depth and Description	Laboratory Analyses [1.]		
					TCL VOCs	TCL SVOCs	TAL Metals & Cyanide
TP-09-03	Lowland portion of Sunoco Property adjacent to Canal	Screen for the presence of MGP residuals, obtain soil samples, delineate overburden thickness, supplemental geological information.	Top of bedrock	Terminated at 7 feet bgs in possibly reworked glacial till	3	3	3
TP-09-04	Lowland portion of Sunoco Property adjacent to Property Boundary	Screen for the presence of MGP residuals, obtain soil samples, delineate overburden thickness, supplemental geological information.	Top of bedrock	Terminated at 9 feet bgs in glacial till	1	1	1
TP-09-05	Lowland portion of Sunoco Property adjacent to Property Boundary	Screen for the presence of MGP residuals, obtain soil samples, delineate overburden thickness, supplemental geological information.	Top of bedrock	Terminated at 9 feet bgs in fill	3	3	3

Notes:
1. Analytical laboratory methods:
   TCL VOC soil samples analyzed using Method 8260B; TCL SVOC soil samples analyzed using Method 8270C;
   TAL Metals (including total Cyanide) soil samples analyzed using Method 6010B and 9012A.
2. "NS" indicates no samples collected.
3. "feet bgs" indicates feet below ground surface.

TABLE 2-2
SOIL BORING LOCATIONS AND RATIONALE
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Exploration Identification	Drilling Method	Location	Rational	Target Exploration Depth	Actual Exploration Depth	Laboratory Analyses [1.]		
						TCL VOCs	TCL SVOCs	TAL Metals & Cyanide
SB-07-02 (MW-07-02)	Truck Mounted Hollow Stem Auger	Southern portion of on-site parking area, south of former MGP structures	Screen for the presence of MGP residuals, obtain soil samples, assess presence of potential upgradient or side-gradient impact sources, supplemental geological information.	Top of bedrock, confining unit, or 30 feet bgs	Refusal at 33 feet bgs on probable top of bedrock	2	2	2
SB-07-03 (MW-07-03)	ATV Mounted Hollow Stem Auger	South of on-site building at toe of slope	Screen for the presence of MGP residuals, obtain soil samples downgradient of former MGP structures, supplemental geological information.	Top of bedrock, confining unit, or 30 feet bgs	Refusal at 12.1 feet bgs on probable top of bedrock	2	2	2
SB-07-04 (MW-07-04)	Truck Mounted Hollow Stem Auger	Between existing on-site building and private residence (185 Fall Street), approximately 80 feet south of Fall Street	Screen for the presence of MGP residuals and obtain soil samples, evaluate conditions between former MGP structures and potential receptors, provide data to evaluate potential vapor intrusion pathway, supplemental geologic information.	Top of bedrock, confining unit, or 30 feet bgs	Refusal at 30 feet bgs on probable top of bedrock	2	2	2
SB-07-05 (MW-07-05)	ATV Mounted Hollow Stem Auger	Southwest portion of Site lowland area	Screen for the presence of MGP residuals and obtain soil samples at possible downgradient location of former MGP operations and upgradient of canal, supplemental geological information.	Top of bedrock, confining unit, or 30 feet bgs	Refusal at 12 feet bgs on probable top of bedrock	2	2	2
SB-07-06 (MW-07-06)	ATV Mounted Hollow Stem Auger	Southeast portion of Site lowland area	Screen for the presence of MGP residuals and obtain soil samples at possible downgradient location of former MGP operations and upgradient of canal, supplemental geological information.	Top of bedrock, confining unit, or 30 feet bgs	Refusal at 9.4 feet bgs on probable top of bedrock	1	1	1
SB-07-07	ATV Mounted Hollow Stem Auger	Central area of on-site parking area	Screen for the presence of MGP residuals, obtain soil samples, supplemental geological information.	Top of bedrock, confining unit, or 30 feet bgs	Boring terminated at 30 feet bgs in glacial till	2	2	2
SB-07-08	Truck Mounted Hollow Stem Auger	South-central area of on-site parking area	Screen for the presence of MGP residuals, obtain soil samples, supplemental geological information.	Top of bedrock, confining unit, or 30 feet bgs	Boring terminated at 30 feet bgs in glacial till	2	2	2
SB-07-09	ATV Mounted Hollow Stem Auger	South-central portion of Site lowland area	Screen for the presence of MGP residuals, obtain soil samples in vicinity of canal, supplemental geological information.	Top of bedrock, confining unit, or 30 feet bgs	Refusal at 8.5 feet bgs on probable top of bedrock	NA	NA	1

TABLE 2-2
SOIL BORING LOCATIONS AND RATIONALE
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Exploration Identification	Drilling Method	Location	Rational	Target Exploration Depth	Actual Exploration Depth	Laboratory Analyses [1.]		
						TCL VOCs	TCL SVOCs	TAL Metals & Cyanide
SB-07-10	ATV Mounted Hollow Stem Auger	Central portion of Site lowland area, near toe of slope	Screen for the presence of MGP residuals, obtain soil samples downgradient of former MGP structures, supplemental geological information.	Top of bedrock, confining unit, or 30 feet bgs	Refusal at 8.2 feet bgs on probable top of bedrock	2	2	2
SB-07-11 through SB-07-22	Tractor Mounted Direct-Push	181 and 185 Fall Street backyards	Screen for the presence of MGP residuals, obtain soil samples, supplemental geological information.	Two feet bgs	Borings terminated 4 to 8 feet bgs in glacial till	12	12	12
SB-08-01	Skid Mounted Hollow Stem Auger	On-site building interior within footprint of former gas holder	Screen for the presence of MGP residuals within former gas holder, obtain soil samples, investigate contents for former gas holder, supplemental geological and gas holder construction information.	Top of bedrock, MGP structure floor, confining unit, or 30 feet bgs	Refusal at 20.4 feet bgs on probable gas holder floor	2	2	2
SB-08-02 (MW-02-02)	Skid Mounted Hollow Stem Auger	On-site building interior within footprint of former gas holder	Screen for the presence of MGP residuals within former gas holder, obtain soil samples, investigate contents for former gas holder, supplemental geological and gas holder construction information.	Top of bedrock, MGP structure floor, confining unit, or 30 feet bgs	Refusal at 19.5 feet bgs on probable gas holder floor	2	2	2
SB-08-03 (MW-02-01 and MW-02-03)	Skid Mounted Hollow Stem Auger	On-site building interior south of former gas holder	Screen for the presence of MGP residuals south of (downgradient from) the former gas holder, obtain soil samples, investigate conditions immediately adjacent to former gas holder, supplemental geological information.	Top of bedrock, confining unit, or 30 feet bgs	Refusal at 31.1 feet bgs on probable top of bedrock	3	3	3

Notes:
1. Analytical laboratory methods:
   TCL VOC soil samples analyzed using Method 8260B; TCL SVOC soil samples analyzed using Method 8270C;
   TAL Metals (including total Cyanide) soil samples analyzed using Method 6010B and 9012A.
2. "feet bgs" indicates feet below ground surface.

TABLE 2-3
SURFACE SOIL LOCATIONS AND RATIONALE
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Exploration Identification	Location	Rational	Target Exploration Depth	Actual Exploration Depth	Laboratory Analyses [1.]		
					TCL VOCs	TCL SVOCs	TAL Metals & Cyanide
SS-07-01	185 Fall Street backyard area	Screen for the presence of MGP residuals, obtain soil samples.	0-0.17 ft bgs	0 - 0.17 ft bgs	1	1	1
SS-07-02	181-183 Fall Street backyard area				1	1	1
SS-07-03	Northeastern portion of Site lowland area				1	1	1
SS-07-04	Central portion of Site lowland area				1	1	1
SS-07-05	Central portion of Site lowland area				1	1	1
SS-07-06	Southwestern portion of Site lowland area				1	1	1
SS-09-01	Sunoco Property, northeast portion of lowland area				NA	1	1
SS-09-02	Sunoco Property, central portion of lowland area				NA	1	1
SS-09-03	Sunoco Property, southeast portion of lowland area				NA	1	1
SS-09-04	Sunoco Property, northwest portion of lowland area				NA	1	1
SS-09-05	Sunoco Property, southwest portion of lowland area				NA	1	1
HA-09-01	1 Powell Place side yard, near intersection with Rumsey Street	Evaluate background levels of SVOCs and metal in fill material throughout Seneca Falls Village in the vicinity of the Former MGP Site	0 - 0.17 ft bgs or below landscaping material (mulch, etc.)	0.25 - 0.42 ft bgs	NA	1	1
HA-09-02	Off Water Street near Community Center			0.21 - 0.38 ft bgs	NA	1	1
HA-09-03	Off Water Street near Community Center			0.17 - 0.33 ft bgs	NA	1	1
HA-09-04	13 Water Street, public park near intersection with Bridge Street			0.5 - 0.67 ft bgs	NA	1	1
HA-09-05	Off Rumsey Street, public park near Canal			0.04 - 0.21 ft bgs	NA	1	1
HA-09-08	176 Fall Street at rear of parcel			0 - 0.17 ft bgs	NA	1	1

Notes:
1. Analytical laboratory methods:
   TCL VOC soil samples analyzed using Method 8260B; TCL SVOC soil samples analyzed using Method 8270C;
   TAL Metals (including total Cyanide) soil samples analyzed using Method 6010B and 9012A.
2. "inches bgs" indicates inches below ground surface.
3. NA = Not Analyzed

TABLE 2-4
MONITORING WELL LOCATIONS AND RATIONALE
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Monitoring Well Identification	Location	Rational	Target Screen Interval	Actual Screen Interval	Laboratory Analyses [1.]		
					TCL VOCs	TCL SVOCs	TAL Metals & Cyanide
MW-07-02	Southern portion of on-site parking area, south of former MGP structures	Obtain groundwater samples, groundwater characterization, assess presence of potential upgradient impact sources, determine depth to groundwater and flow direction.	Five feet above water table to bottom of borehole	20 - 30 feet bgs	3	3	3
MW-07-03	South of on-site building slab at toe of slope	Obtain groundwater samples, groundwater characterization downgradient of former MGP structures, determine depth to groundwater and flow direction, supplemental geological information.	Five feet above water table to bottom of borehole	4 - 12 feet bgs	3	3	3
MW-07-04	Between existing on-site building slab and private residence (185 Fall Street), approximately 80 feet south of Fall Street	Obtain groundwater samples at possible downgradient location of former MGP structures, upgradient and downgradient of potential receptors, provide data to evaluate potential vapor intrusion pathway, determine depth to groundwater and flow direction.	Five feet above water table to bottom of borehole	20 - 30 feet bgs	3	3	3
MW-07-05	Southwest portion of Site lowland area	Obtain groundwater samples at possible downgradient location of former MGP structures and upgradient of potential receptor, determine depth to groundwater and flow direction, assess hydraulic connection between overburden groundwater and river.	Five feet above water table to bottom of borehole, or shallow water bearing zone	2 - 12 feet bgs	3	3	3
MW-07-06	Southeast portion of Site lowland area	Obtain groundwater samples at possible downgradient location of former MGP structures and upgradient of potential receptor, determine depth to groundwater and flow direction, assess hydraulic connection between overburden groundwater and river.	Five feet above water table to bottom of borehole, or shallow water bearing zone	2 - 9.4 feet bgs	3	3	3
MW-08-01	On-site building slab south of former gas holder	Obtain shallow groundwater samples at location downgradient of former gas holder, determine depth to shallow groundwater.	Shallow water bearing zone (perched)	5 - 15 feet bgs	1	1	1
MW-08-02	On-site building slab within footprint of former gas holder	Obtain groundwater samples within former gas holder, determine depth to groundwater inside former gas holder, comparison with water elevations outside of former gas holder.	Five feet above water table to bottom of borehole, or shallow water bearing zone	9 - 19.5 feet bgs	3	3	3
MW-08-03	On-site building slab south of former gas holder	Obtain groundwater samples at a location downgradient of former gas holder, determine depth to shallow groundwater.	Five feet above water table to bottom of borehole, or shallow water bearing zone	18 - 28 feet bgs	3	3	3

Notes:
1. Analytical laboratory methods:
   TCL VOC groundwater samples analyzed using Method 8260B; TCL SVOC groundwater samples analyzed using Method 8270C;
   TAL Metals (including total Cyanide) groundwater samples analyzed using Method 6010B and 9012A.
2. "feet bgs" indicates feet below ground surface.

TABLE 2-5
MONITORING WELL CONSTRUCTION SUMMARY
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Monitoring Well Identification	Ground Surface Elevation (feet msl)	Top of Casing Elevation (feet msl)	Total Well Depth (feet bgs)	2-foot Sump?	Screen Interval				Sandpack Interval				Bentonite Seal			
					Top		Bottom		Top		Bottom		Top		Bottom	
					feet bgs	feet msl	feet bgs	feet msl	feet bgs	feet msl	feet bgs	feet msl	feet bgs	feet msl	feet bgs	feet msl
MW-07-02	455.85	455.39	32	Yes	20	435.85	30	425.85	18	437.85	30	425.85	16	439.85	18	437.85
MW-07-03	435.78	437.51	12	No	4	431.78	12	423.78	2	433.78	12	423.78	1	434.78	2	433.78
MW-07-04	453.25	452.45	30	No	20	433.25	30	423.25	18	435.25	30	423.25	16	437.25	18	435.25
MW-07-05	430.36	431.88	12	No	2	428.36	12	418.36	1.75	428.61	12	418.36	0.25	430.11	1.75	428.61
MW-07-06	431.53	433.61	9.4	No	2	429.53	9.4	422.13	1	430.53	9.4	422.13	0.5	431.03	1	430.53
MW-08-01	456.82	456.57	15	No	5	451.82	15	441.82	3	453.82	15	441.82	1	455.82	3	453.82
MW-08-02	456.76	456.50	19.5	No	9	447.76	19.5	437.26	7.5	449.26	19.5	437.26	5.5	451.26	7.5	449.26
MW-08-03	456.81	456.53	30	Yes	18	438.81	28	428.81	16	440.81	28	428.81	14	442.81	16	440.81

Notes:
1. "feet bgs" indicates feet below ground surface.
2. "feet msl" indicates elevation relative to mean sea level.

TABLE 2-6
SOIL VAPOR INTRUSION INVESTIGATION LOCATIONS AND RATIONALE
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Exploration Identification	Sample Type	Location	Rational	Laboratory Analyses [1.]
				TCL VOCs
SV-07-01-SS	Sub-Slab Vapor	Northern portion of former building, video rental showroom	Screen for presence of MGP-related compounds in sub-slab vapor and indoor air	1
SV-07-01-INA	Indoor Air			1
SV-07-02-SS	Sub-Slab Vapor	Southwestern portion of former building, storage area		1
SV-07-02-INA	Indoor Air			1
SV-07-03-SS	Sub-Slab Vapor	Center-western portion of former building, storage area		1
SV-07-03-INA	Indoor Air			1
SV-07-04-SS	Sub-Slab Vapor	Southern portion of former building, vacant hallway area		1
SV-07-04-INA	Indoor Air			1
SV-07-05-OA	Outdoor Ambient Air	Southwestern former building exterior	Provide representative ambient air quality data	1

Notes:
1. Analytical laboratory method included TCL VOCs using Method TO-15 including reporting of addiotional N-Alkane and Tentatively Identified Compounds (TICs).

   Additoinal N-Alkane compounds include n-Butane, n-Decane, n-Dodecane, n-Heptane, n-Hexane, Nonane, n-Octane, Pentane, and n-Undecane.

   Additional TICs include Butylcyclohexane; 2,3-Dimethylheptane; 2,3-Dimethylpentane; Isopentane; 2,2,4-Trimethlypentane; Indane; Indene; Tetramethylbenzene isomers; Thiopenes; 1,2,3-Trimethylbenzene; 1-Methylnaphthalene; and 2-Methylnaphthalene.

TABLE 3-1
GROUNDWATER AND SURFACE WATER ELEVATION MONITORING SUMMARY
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Monitoring Well or Surface Point Identification	Northing	Easting	Ground Surface Elevation (feet msl)	Top of Casing or Reference Elevation (feet msl)	Total Well Depth (feet bgs)	11 December 2007		31 March 2008		14 May 2008		1 July 2008		21 August 2009	
						depth (feet)	elevation (feet msl)	depth (feet)	elevation (feet msl)	depth (feet)	elevation (feet msl)	depth (feet)	elevation (feet msl)	depth (feet)	elevation (feet msl)
MW-07-02	1060354.54	761021.99	455.85	455.39	32	13.86	441.53	13.94	441.45	15.89	439.50	15.11	440.28	16.1	439.29
MW-07-03	1060324.25	761117.46	435.78	437.51	12	4.65	432.86	4.84	432.67	5.07	432.44	6.91	430.60	6.2	431.31
MW-07-04	1060452.14	761104.26	453.25	452.45	30	11.65	440.80	11.61	440.84	12.87	439.58	14.61	437.84	13.43	439.02
MW-07-05	1060217.24	761000.06	430.36	431.88	12	2.14	429.74	2.41	429.47	2.2	429.68	2.94	428.94	2.6	429.28
MW-07-06	1060269.71	761176.54	431.53	433.61	9.4	4.00	429.61	4.03	429.58	4.38	429.23	5.7	427.91	5.18	428.43
MW-08-01	1060377.04	761047.58	456.82	456.57	15	NA	NA	8.72	447.85	9.85	446.72	10.79	445.78	10.62	445.95
MW-08-02	1060404.82	761051.26	456.76	456.50	19.5	NA	NA	6.36	450.14	6.89	449.61	6.33	450.17	6.73	449.77
MW-08-03	1060376.33	761046.48	456.81	456.53	30	NA	NA	15.03	441.50	16.75	439.78	16.61	439.92	17.07	439.46
SG-1	1059962.67	760610.52	NA	460.64	NA	32.40	428.24	32.29	428.35	32.37	428.27	32.4	428.24	33	427.64
SG-2	1059957.67	761053.29	NA	430.03	NA	1.73	428.30	1.58	428.45	1.70	428.33	1.49	428.54	1.08	428.95
SG-3	1060140.74	761931.67	NA	449.85	NA	22.10	427.75	21.51	428.34	21.85	428.00	21.59	428.26	21.5	428.35

Notes:
1. "feet bgs" indicates feet below ground surface.
2. "feet msl" indicates elevation relative to mean sea level.

TABLE 3-2
HYDRAULIC CONDUCTIVITY ANALYSIS SUMMARY
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Monitoring Well Identification	Unit Screened	Test 1 (cm/s)	Test 2 (cm/s)	Geometric Mean (cm/s)
MW-07-02	Glacial Till	8.20E-05	7.60E-05	
MW-07-03	Glacial Till	3.60E-06	Not Tested	
MW-07-04	Glacial Till	3.20E-06	Not Tested	Glacial Till: 4.5×10^{-5}
MW-07-05	Fill and Glacial Till	1.70E-04	2.20E-04	
MW-07-06	Fill	2.10E-03	1.60E-03	
MW-08-01	Fill	Not Tested	Not Tested	Fill: 2.7×10^{-3}
MW-08-02	Fill (Former Gas Holder)	9.20E-02	3.70E-02	
MW-08-03	Glacial Till	3.40E-04	3.40E-04	

Notes:
1. cm/s indicates hydraulic conductivity in centimeters per second.

TABLE 3-3
FIELD OBSERVATIONS SUMMARY
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Exploration Identification	Type	Property	Ground Surface Elevation (ft msl)	Maximum Exploration Depth (feet bgs)	Exploration Observations	Maximum PID Detection (ppmv)	Maximum PID Detection Interval (feet bgs)
HA-09-01	Hand Auger	Village - 1 Powell Place	-	0.4	Topsoil observed to 0.3 feet bgs, containing roots and organic material. Fill observed from 0.3 feet bgs to 0.4 feet bgs, containing brick fragments.	-	-
HA-09-02	Hand Auger	Village - Water Street	-	0.4	Topsoil observed to 0.2 feet bgs, containing roots and organic material. Fill observed from 0.2 feet bgs to 0.3 feet bgs, containing coal-like material.	-	-
HA-09-03	Hand Auger	Village - Water Street	-	0.3	Topsoil observed to 0.2 feet bgs, containing grass roots. Fill observed from 0.2 feet bgs to 0.3 feet bgs, containing glass shards, coal-like material, and brick fragments.	-	-
HA-09-04	Hand Auger	Village - 15 Water Street	-	0.7	Topsoil observed to 0.5 feet bgs, containing grass roots. Fill observed from 0.5 feet bgs to 0.7 feet bgs, containing coal-like material and black mottling.	-	-
HA-09-05	Hand Auger	Village - Rumsey Street	-	0.2	Topsoil observed to 0.1 feet bgs. Fill observed from 0.1 feet bgs to 0.2 feet bgs, containing coal-like materials and metal fragments.	-	-
HA-09-08	Hand Auger	Village - 176 Fall Street	-	0.2	Reworked fill observed to 0.2 feet bgs, containing coal-like material and brick fragments.	-	-
SB-07-02 (MW-07-02)	Soil Boring	On-Site	455.85	33	Fill observed to 16 feet bgs, including brick fragments, coal fragments, paint chips, and cinders. Glacial till observed from 16 feet bgs to refusal at 33 feet bgs. Wet silt and fine sand observed from 22 to 30 feet bgs.	5 4.2	12 - 14 22 - 24
SB-07-03 (MW-07-03)	Soil Boring	On-Site	435.78	12	Fill observed to 4 feet bgs, including brick and mortar fragments, coal fragments, and ash. MGP-type odor noted at 2 feet bgs. Glacial till observed from 8 feet bgs to refusal at 12.1 feet bgs.	1.4	2 - 4
SB-07-04 (MW-07-04)	Soil Boring	On-Site/Off-Site Property Boundary	453.25	30	Fill observed to 6 feet bgs, including brick fragments, coal, and cinders. Glacial till observed from 6 feet bgs to refusal at 30 feet bgs. Wet silty fine sand observed 26 to 28 feet bgs.	ND	NA
SB-07-05 (MW-07-05)	Soil Boring	On-Site	430.36	12	Fill observed to 6 feet bgs, including pockets of black staining and cinders. Glacial till observed from 6 feet bgs to refusal at 12 feet bgs. Possible MGP-like odor from 2 to 4 feet bgs. Wet sandy silt with rainbow sheen observed from 4 to 4.2 feet bgs. Wet gravel and sand with rainbow sheen and slight MGP-like odor observed from 5.3 to 6 feet bgs.	4.8	4 - 6
SB-07-06 (MW-07-06)	Soil Boring	On-Site	431.53	9.4	Fill observed to refusal at 9.4 feet bgs, including coal fragments. Glacial till not encountered. Wet silty fine sand from 6 to 9.4 feet bgs.	11	0 - 2
SB-07-07	Soil Boring	On-Site	456.73	30	Asphalt and underlying base material observed to 2 feet bgs. Fill observed from 2 to 6 feet bgs, including brick fragments and coal fragments. Reworked glacial till observed from 6 to 8 feet bgs. Glacial till observed from 8 to 30 feet bgs. Wet sand observed from 24.5 to 25 feet bgs.	-	-
SB-07-08	Soil Boring	On-Site	456.37	30	Asphalt and underlying base material observed to 4 feet bgs. Fill observed from 4 to 10 feet bgs, including brick fragments, weathered mortar, and coal fragments. Glacial till observed from 10 to 30 feet bgs. Wet silty fine sand observed from 22.8 to 24 feet bgs.	5.6 3.9	4 - 6 24 - 26
SB-07-09	Soil Boring	On-Site	431.37	8.5	Fill observed to refusal at 8.5 feet bgs, including brick, cinders, and plastic fragments.	-	-
SB-07-10	Soil Boring	On-Site	432.98	8.2	Fill observed to 4 feet bgs. Glacial till observed from 4 feet to refusal at 8.2 feet bgs.	0.8	8 - 8.2

TABLE 3-3
FIELD OBSERVATIONS SUMMARY
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Exploration Identification	Type	Property	Ground Surface Elevation (ft msl)	Maximum Exploration Depth (feet bgs)	Exploration Observations	Maximum PID Detection (ppmv)	Maximum PID Detection Interval (feet bgs)
SB-07-11	Soil Boring	Private Residence	446.14	8	Topsoil observed to 1.1 feet bgs. Fill observed from 1.1 to 6.5 feet bgs, including coal fragments, ash, and brick fragments. Glacial till observed from 6.5 feet bgs to termination at 8 feet bgs.	ND	NA
SB-07-12	Soil Boring	Private Residence	438.56	4.4	Topsoil observed to 0.3 feet bgs. Fill observed from 0.3 to 2 feet bgs, including coal fragments, brick fragments, and ceramic fragments. Glacial till observed from 2 feet bgs to termination at 4.4 feet bgs.	ND	NA
SB-07-13	Soil Boring	Private Residence	440.43	6	Topsoil observed to 0.2 feet bgs. Fill observed from 0.2 to 4 feet bgs, including coal fragments, ash, cinders, ceramic fragments, and brick fragments. Glacial till observed from 4 feet bgs to termination at 6 feet bgs.	ND	NA
SB-07-14	Soil Boring	Private Residence	442.26	8	Topsoil observed to 0.1 feet bgs. Fill observed from 0.1 to 6 feet bgs, including coal fragments, ash, cinders, ceramic fragments, and brick fragments. Glacial till observed from 6 feet bgs to termination at 8 feet bgs.	ND	NA
SB-07-15	Soil Boring	Private Residence	447.82	4	Topsoil observed to 1 foot bgs. Fill observed from 1 to 3 feet bgs, including coal fragments, ash, and brick fragments. Glacial till observed from 3 feet bgs to termination at 4 feet bgs.	ND	NA
SB-07-16	Soil Boring	Private Residence	443.58	6	Topsoil observed to 0.3 feet bgs. Fill observed from 0.3 to 4.4 feet bgs, including coal fragments, ash, and brick fragments. Glacial till observed from 4.4 feet bgs to termination at 6 feet bgs.	ND	NA
SB-07-17	Soil Boring	Private Residence	441.93	4	Fill observed to 3 feet bgs, including cinders, ceramic fragments, and brick fragments. Glacial till observed from 3 feet bgs to termination at 4 feet bgs.	ND	NA
SB-07-18	Soil Boring	Private Residence	446.14	6	Topsoil observed to 0.2 feet bgs. Fill observed from 0.2 to 4.4 feet bgs, including coal fragments, cinders, ash, ceramic fragments, and brick fragments. Glacial till observed from 4.4 feet bgs to termination at 6 feet bgs.	ND	NA
SB-07-19	Soil Boring	Private Residence	442.46	6	Fill observed to 3.8 feet bgs, including coal fragments, cinders, ash, ceramic fragments, and brick fragments. Glacial till observed from 3.8 feet bgs to termination at 6 feet bgs.	ND	NA
SB-07-20	Soil Boring	Private Residence	449.14	4	Topsoil observed to 1 foot bgs. Fill observed from 1 to 2 feet bgs, including coal fragments and brick fragments. Glacial till observed from 2 feet bgs to termination at 4 feet bgs.	ND	NA
SB-07-21	Soil Boring	Private Residence	446.39	4	Fill observed to 2.5 feet bgs, including coal fragments, ceramic fragments, and brick fragments. Glacial till observed from 2.5 feet bgs to termination at 4 feet bgs.	ND	NA
SB-07-22	Soil Boring	Private Residence	443.71	4	Topsoil observed to 0.4 feet bgs. Fill observed from 0.4 to 2.3 feet bgs, including coal fragments, cinders, and brick fragments. Glacial till observed from 2.3 feet bgs to termination at 4 feet bgs.	ND	NA
SB-08-01	Soil Boring	On-Site	456.82	20.4	Concrete floor slab penetrated to 0.5 feet bgs. Fill observed from 0.5 feet to refusal at 20.4 feet bgs. Coal, glass, brick fragments observed from 8 to 20. 4 feet bgs. Ceramic fragments observed at 13 feet bgs. Leather-like material observed from 17 to 20.4 feet bgs. Slight MGP-like odor noted at 11 feet bgs. Fish-like odor noted from 13 to 17 feet bgs. Refusal likely on former gas holder floor.	1.1	17 - 19

TABLE 3-3
FIELD OBSERVATIONS SUMMARY
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Exploration Identification	Type	Property	Ground Surface Elevation (ft msl)	Maximum Exploration Depth (feet bgs)	Exploration Observations	Maximum PID Detection (ppmv)	Maximum PID Detection Interval (feet bgs)
SB-08-02 (MW-02-02)	Soil Boring	On-Site	456.76	19.4	Concrete floor slab penetrated to 0.5 feet bgs. Fill observed from 0.5 feet to refusal at 19.5 feet bgs. Brick fragments observed from 8.5 to 19.5 feet bgs. Ceramic fragments observed from 17 to 19.5 feet bgs. Slight MGP-like odor noted at 17 feet bgs. Refusal likely on former gas holder floor.	1.7	19 - 19.5
SB-08-03 (MW-02-01 and MW-02-03)	Soil Boring	On-Site	456.81	31.1	Concrete floor slab penetrated to 0.5 feet bgs. Fill observed from 0.5 to 9.5 feet bgs, including cinders and brick fragments. Glacial till observed from 9.5 to 31.1 feet bgs. Slight MGP- and gasoline-like odor noted at 9.5 feet bgs (top of till). Slight MGP-like odor noted at 15 feet bgs. Naphthalene-like odor noted from 17.5 to 27 feet bgs. TLM stringers observed at 19.5 to 21.2 feet bgs, 21.5 feet bgs, 22 feet bgs, and 23.4 feet bgs. No impacts observed from 27 to refusal at 31.1 feet bgs.	135	21 - 23
TP-07-01	Test Pit	On-Site	456.5	11.3	Asphalt and underlying base material observed to 0.7 feet bgs. Fill observed from 0.7 to 8.5 feet bgs, including red and tan bricks, cinders, wood fibers, and coal fragments. Maroon-colored interval from 3.2 to 3.5 feet bgs. Sulfur-like odor at 4 feet bgs. Test pit south end - wood planks with little hardened tar-like material (TLM) on surface, sheen, and TLM blebs at 6 feet bgs. Test pit northwest end - MGP-like odor, sheen and TLM blebs from 7 to 8.5 feet bgs. Glacial till observed from 8.5 to 11.3 feet bgs.	146 301	4 - 5 7 - 8.5
TP-07-02	Test Pit	On-Site	456.7	13	Asphalt and underlying base material observed to 0.7 feet bgs. Fill observed from 0.7 to 10 feet bgs, including slag, concrete blocks, and red bricks. 1-inch diameter pipe observed at 1.5 feet bgs (oriented east to west), concrete block wall observed at 5 feet bgs (oriented east to west). Black staining and hardened TLM observed from 7.6 to 8 feet bgs with strong MGP-like odor. 2-inch diameter pipe observed at 8 feet bgs (oriented east to west). Glacial till observed from 10 to 13 feet bgs.	150	8
TP-07-03N	Test Pit	On-Site	456.7	12	Asphalt and underlying base material observed to 0.7 feet bgs. Fill observed from 0.7 to 6 feet bgs, including demolition debris, stone blocks, and red bricks. Possible structure floor encountered at 6 feet bgs. Glacial till observed from 6 to 12 feet bgs.	ND	NA
TP-07-03S	Test Pit	On-Site	456.7	9	Asphalt and underlying base material observed to 0.7 feet bgs. Fill observed from 0.7 to 9 feet bgs. 8-inch diameter steel pipe observed 3 feet bgs at south end of test pit (oriented east to west). 8-inch diameter steel pipe observed 4.1 feet bgs at north end of test pit (oriented east to west) with gasoline-like odor and liquid with sheen. Second 8-inch steel pipe observed 5 feet bgs at north end of test pit (oriented east to west). Brick wall encountered at 3 feet bgs (oriented east to west). Glacial till not encountered.	1.8	4
TP-07-04	Test Pit	On-Site	431.4	11	Fill observed to 11 feet bgs, including pockets of black staining. Slight MGP-like odor noted at 5 feet bgs. Stone blocks from 5 to 11 feet bgs. Refusal likely on top of bedrock.	ND	NA
TP-07-05	Test Pit	On-Site	432.4	6	Fill observed to 5 feet bgs. Stone blocks and wood with TLM from 0.5 to 5 feet bgs. Tan brick pieces observed at 4 feet bgs. Glacial till observed fro 5 to 6 feet bgs. Possible TLM in root casts from 5 to 6 feet bgs. Refusal likely on top of bedrock.	32.6	5 - 6

TABLE 3-3
FIELD OBSERVATIONS SUMMARY
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Exploration Identification	Type	Property	Ground Surface Elevation (ft msl)	Maximum Exploration Depth (feet bgs)	Exploration Observations	Maximum PID Detection (ppmv)	Maximum PID Detection Interval (feet bgs)
TP-07-06	Test Pit	On-Site	432.9	8	Topsoil observed to 1 foot bgs. Fill observed from 1 to 8 feet bgs. Wood planks observed at 2 feet bgs. Black staining and hardened TLM from 4.5 to 5.5 feet bgs in south end of test pit. Refusal likely on top of bedrock	29.1	4.5 - 5
TP-07-07	Test Pit	On-Site	433.7	13	Fill observed to 5 feet bgs. Glacial till observed from 5 to 13 feet bgs. Refusal likely on top of bedrock.	0.4 0.4	5 9
TP-07-08	Test Pit	On-Site	431.6	8	Topsoil observed to 0.7 feet bgs. Fill observed from 2 to 6 feet bgs. Hardened TLM and highly viscous TLM observed 0.7 to 2 feet bgs. Refusal likely on top of bedrock.	ND	NA
TP-07-09	Test Pit	On-Site	430.8	9	Fill observed to 9 feet bgs. Wood planks observed at north end of test pit at 2 feet bgs. Partially hardened TLM observed from 7 to 8.5 feet bgs. Refusal likely on top of bedrock.	9.9	8
TP-07-10	Test Pit	On-Site	431.8	7	Fill material observed to 5 feet bgs, including red brick fragments. Glacial till observed from 5 to 7 feet bgs. Black organic staining observed from 4 to 4.25 feet bgs. Refusal on top of bedrock.	0.8	7
TP-07-11	Test Pit	On-Site	430.7	5	Topsoil observed to 1 foot bgs. Fill material observed from 1 to 5 feet bgs. Hardened TLM observed from 1 to 2 feet bgs.	-	-
TP-09-01	Test Pit	Sunoco Property	432.5	7.5	Fill observed to 7.5 feet bgs, containing red brick, cinder-like material, ash, and clinker-like material. Groundwater observed at 6.5 feet bgs.	-	-
TP-09-02	Test Pit	Sunoco Property	433.8	10.0	Fill observed to 5 feet bgs, containing trace coal, red brick, cinder-like material, and several large rock blocks (Note: water infiltrates test pit at approx. 2 feet from north wall). Glacial till (possibly reworked) observed from 5 feet bgs to 10 feet bgs. Water table located at approx. 6 feet bgs.	-	-
TP-09-03	Test Pit	Sunoco Property	431.4	7.0	Fill observed to 6.5 feet bgs, containing coal fragments, red brick, trace cobbles and wood, and cinder-like material. Water table located at 3 feet bgs; slight rainbow sheen. Glacial till (possibly reworked) observed from 6.5 to 7 feet bgs.	-	-
TP-09-04	Test Pit	Sunoco Property	433	9.0	Fill observed to 1 foot bgs, containing trace coal fragments, red brick, and organics. Till observed from 1 foot bgs to 9 feet bgs. Groundwater observed at 4 feet bgs.	-	-
TP-09-05	Test Pit	Sunoco Property	430.8	9.0	Fill observed to 9 feet bgs, containing trace coal fragments, cinder-like material, wood, slate fragments, and organics. Groundwater observed at 3 feet bgs.	-	-

Notes:
1. "feet bgs" indicates feet below ground surface.
2. "TLM" indicates tar-like material.
3. "ND" indicates not detected.
4. "NA" indicates not applicable.
5. "-" indicates not measured.

TABLE 3-4
SOIL ANALYTICAL SAMPLE SUMMARY
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Exploration Identification	Property	Sample Identification	Sample Interval (ft bgs)
HA-09-01	Village - 1 Powell Place	LOC1-090109-1000	.25 - .42
HA-09-02	Village - Water Street	LOC2-090109-1040	.21 - .38
HA-09-03	Village - Water Street	LOC3-090109-1105	.17 - .33
HA-09-04	Village - 15 Water Street	LOC4-090109-1135	.5 - .67
HA-09-05	Village - Rumsey Street	LOC5-090109-1300	.04 - .21
HA-09-08	Village - 176 Fall Street	LOC8-090109-1325	0 - .17
SB-07-02 (MW-07-02)	On-Site	SB-07-02(20-22) SB-07-02(32-33)	20 - 22 32 - 33
SB-07-03 (MW-07-03)	On-Site	SB-07-03(4-6) SB-07-03(10-12)	4 - 6 10 - 12
SB-07-04 (MW-07-04)	On-Site/Off-Site Property Boundary	SB-07-04(4-5.5) SB-07-04(26-26.8)	4 - 5.5 26 - 26.8
SB-07-05 (MW-07-05)	On-Site	SB-07-05(4-6) SB-07-05(10-10.9)	4 - 6 10 - 10.9
SB-07-06 (MW-07-06)	On-Site	SB-07-06(8-10)	8 - 10
SB-07-07	On-Site	SB-07-07(2-6) SB-07-07(22-24)	2 - 6 22 - 24
SB-07-08	On-Site	SB-07-08(7-10) SB-07-08(22.8-24)	7 - 10 22.8 - 24
SB-07-09	On-Site	SB-07-09(8-8.5)	8 - 8.5
SB-07-10	On-Site	SB-07-10(4-6) SB-07-10(6-8)	4 - 6 6 - 8
SB-07-11	Off-Site Residential	SB-07-11(1-3)	1 - 3
SB-07-12	Off-Site Residential	SB-07-12(2-4)	2 - 4
SB-07-13	Off-Site Residential	SB-07-13(0.2-1.5)	0.2 - 1.5

TABLE 3-4
SOIL ANALYTICAL SAMPLE SUMMARY
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Exploration Identification	Property	Sample Identification	Sample Interval (ft bgs)
SB-07-14	Off-Site Residential	SB-07-14(2-5)	2 - 5
SB-07-15	Off-Site Residential	SB-07-15(1-3)	1 - 3
SB-07-16	Off-Site Residential	SB-07-16(0-2)	0 - 2
SB-07-17	Off-Site Residential	SB-07-17(0-2.3)	0 - 2.3
SB-07-18	Off-Site Residential	SB-07-18(2-4.4)	2 - 4.4
SB-07-19	Off-Site Residential	SB-07-19(0.4-3)	0.4 - 3
SB-07-20	Off-Site Residential	SB-07-20(1-2)	1 - 2
SB-07-21	Off-Site Residential	SB-07-21(1.5-2.5)	1.5 - 2.5
SB-07-22	Off-Site Residential	SB-07-22(0.4-2.3)	0.4 - 2.3
SB-08-01	On-Site	SB-08-01(11-13) SB-08-01(19-20.2)	11 - 13 19 - 20.2
SB-08-02 (MW-02-02)	On-Site	SB-08-02(5-6) SB-08-02(19-19.4)	5 - 6 19 - 19.4
SB-08-03 (MW-02-01 and MW-02-03)	On-Site	SB-08-03(7.5-9.5) SB-08-03(21-23) SB-08-03(27-29.3)	7.5 - 9.5 21 - 23 27 - 29.3
SS-07-01	Off-Site	SS-07-01	0 - 0.2
SS-07-02	Off-Site	SS-07-02	0 - 0.2
SS-07-03	On-Site	SS-07-03	0 - 0.2
SS-07-04	On-Site	SS-07-04	0 - 0.2
SS-07-05	On-Site	SS-07-05	0 - 0.2
SS-07-06	On-Site	SS-07-06	0 - 0.2

TABLE 3-4
SOIL ANALYTICAL SAMPLE SUMMARY
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Exploration Identification	Property	Sample Identification	Sample Interval (ft bgs)
SS-09-01	Off-Site Sunoco	SS-09-01	1 - 0.17
SS-09-02	Off-Site Sunoco	SS-09-02	0 - 0.17
SS-09-03	Off-Site Sunoco	SS-09-03	0 - 0.17
SS-09-04	Off-Site Sunoco	SS-09-04	0 - 0.17
SS-09-05	Off-Site Sunoco	SS-09-05 DUP-SS-09-01	0 - 0.17 0 - 0.17
TP-07-01	On-Site	TP-07-01(4.5-5) TP-07-01(6.5-8.5)	4.5 - 5 6.5 - 8.5
TP-07-02	On-Site	TP-07-02(7.6-8) TP-07-02(10-11)	7.6 - 8 10 - 11
TP-07-03N	On-Site	TP-07-03N(5.7-6)	5.7 - 6
TP-07-03S	On-Site	TP-07-03S(4-5)	4 - 5
TP-07-04	On-Site	TP-07-04(1-2) TP-07-04(9-10)	1 - 2 9 - 10
TP-07-05	On-Site	TP-07-05(3-4) TP-07-05(5-6)	3 - 4 5 - 6
TP-07-06	On-Site	TP-07-06(4.5-5.5) TP-07-06(6-7)	4.5 - 5.5 6 - 7
TP-07-07	On-Site	TP-07-07(5-6) TP-07-07(12-13)	5 - 6 12 - 13
TP-07-08	On-Site	TP-07-08(5.5-6.5) TP-07-08(7-8)	5.5 - 6.5 7 - 8
TP-07-09	On-Site	TP-07-09(2-4) TP-07-09(8-9)	2 - 4 8 - 9
TP-07-10	On-Site	TP-07-10(5-6) TP-07-10(6-7)	5 - 6 6 - 7
TP-07-11	On-Site	NONE	NA
TP-09-01	Off-Site Sunoco	TP-09-01(1.5-2.5) TP-09-01(6-7)	1.5 - 2.5 6 - 7

TABLE 3-4
SOIL ANALYTICAL SAMPLE SUMMARY
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Exploration Identification	Property	Sample Identification	Sample Interval (ft bgs)
TP-09-02	Off-Site Sunoco	TP-09-02(2-3) TP-09-02(6-7)	2 - 3 6 - 7
TP-09-03	Off-Site Sunoco	TP-09-03(2.5-3) TP-09-03(4-5) TP-09-03(6.5-7)	2.5 - 3 4 - 5 6.5 - 7
TP-09-04	Off-Site Sunoco	TP-09-04(3-4)	3 - 4
TP-09-05	Off-Site Sunoco	TP-09-05(1.5-2.5) DUP-TP-09-05 TP-09-05(8.5-9)	1.5 - 2.5 1.5 - 2.5 8.5 - 9

Notes:
1. "feet bgs" indicates feet below ground surface.
2. "NA" indicates not applicable.

TABLE 3-5
SEDIMENT ANALYTICAL SAMPLE SUMMARY
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Exploration Identification	Relative Location	Sample Identification	Sample Interval (ft bss)
SE-09-02	Upstream	SE-09-02 (0-0.5)	0 - 0.5
SE-09-03	Upstream	SE-09-03 (0-0.5)	0 - 0.5
SE-09-04	Upstream	SE-09-04 (0-0.5) SE-09-04 (0-1.4)	0 - 0.5 0 - 1.4
SE-09-05	Upstream	SE-09-05 (0-0.5) SE-09-05 (0-1.3)	0 - 0.5 0 - 1.3
SE-09-08	Upstream	SE-DUP-09-02 SE-09-08 (0-0.5) SE-09-08 (0.5-1.5) SE-09-08 (1.5-2)	0 - 0.5 0 - 0.5 0.5 - 1.5 1.5 - 2
SE-09-09	Adjacent	SE-09-09 (0-0.8)	0 - 0.8
SE-09-10	Adjacent	SE-09-10 (0-0.5)	0 - 0.5
SE-09-12	Adjacent	SE-09-12 (0-0.5)	0 - 0.5
SE-09-13	Adjacent	SE-09-13 (0-0.5)	0 - 0.5
SE-09-14	Adjacent	SE-09-14 (0-0.5)	0 - 0.5
SE-09-15	Adjacent	SE-09-15 (0-0.5)	0 - 0.5
SE-09-16	Adjacent	SE-09-16 (0-0.5)	0 - 0.5
SE-09-17	Adjacent	SE-09-17 (0-0.5)	0 - 0.5
SE-09-18	Adjacent	SE-09-18 (0-0.5)	0 - 0.5
SE-09-19B	Adjacent	SE-09-19B (0-0.5)	0 - 0.5
SE-09-20	Adjacent	SE-09-20 (0-0.5)	0 - 0.5
SE-09-21	Adjacent	SE-09-21 (0-0.5)	0 - 0.5
SE-09-22	Adjacent	SE-09-22 (0-0.5)	0 - 0.5

TABLE 3-5
SEDIMENT ANALYTICAL SAMPLE SUMMARY
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Exploration Identification	Relative Location	Sample Identification	Sample Interval (ft bss)
SE-09-23	Adjacent	SE-09-23 (0-0.5)	0 - 0.5
SE-09-24	Adjacent	SE-09-24 (0-0.5)	0 - 0.5
SE-09-26	Adjacent	SE-09-26 (0-0.5)	0 - 0.5
SE-09-27	Adjacent	SE-09-27 (0-0.5)	0 - 0.5
SE-09-28	Downstream	SE-09-28 (0-0.5)	0 - 0.5
SE-09-29	Downstream	SE-09-29 (0-0.5)	0 - 0.5
SE-09-30	Downstream	DUP-SE-09-01 SE-09-30 (0-0.5)	0 - 0.5 0 - 0.5
SE-09-31	Downstream	SE-09-31 (0-0.5)	0 - 0.5
SE-09-32	Downstream	SE-09-32 (0-0.5)	0 - 0.5
SE-09-38	Adjacent	SE-09-38 (0-0.4)	0 - 0.4
SE-09-39	Adjacent	SE-09-39 (0-0.3)	0 - 0.3
SE-09-40	Upstream	SE-09-40 (0-0.5) SE-09-40 (0.5-1.8) SE-09-40 (1.8-2.6)	0 - 0.5 0.5 - 1.8 1.8 - 2.6
SE-09-41B	Upstream	SE-09-41B (0-0.4)	0 - 0.4
SE-09-42B	Upstream	SE-09-42B (0-0.3)	0 - 0.3
SE-09-43B	Adjacent	SE-09-43B (0-0.3)	0 - 0.3
SE-09-46	Upstream	SE-09-46 (0-0.3)	0 - 0.3
SE-09-47	Adjacent	SE-09-47 (0-0.3)	0 - 0.3
SE-09-48	Adjacent	SE-09-48 (0-0.2)	0 - 0.2

TABLE 3-5
SEDIMENT ANALYTICAL SAMPLE SUMMARY
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Exploration Identification	Relative Location	Sample Identification	Sample Interval (ft bss)
SE-09-52	Adjacent	SE-09-52 (0-0.5)	0 - 0.5
SE-09-END2	Adjacent	SE-09-END2 (0-0.5)	0 - 0.5

Notes:
1. "ft bss" indicates feet below sediment surface.

TABLE 3-6
SOIL CLEANUP OBJECTIVES AND WATER QUALITY STANDARDS EXCEEDANCE SUMMARY
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Sample Location	Sample Date	Depth (feet bgs)	Arsenic	Barium	Benzene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Biphenyl	bis(2-Ethylhexyl)phthalate	Chromium	Chrysene	Copper	Cyanide (total)	Dibenzo(a,h)anthracene	Ethylbenzene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Iron	Lead	Magnesium	Manganese	Mercury	Naphthalene	Nickel	Phenthrene	Phenol	Pyrene	Selenium	Sodium	Styrene	Toluene	Xylenes (total)	Zinc
Off-Site Soil																																			
SB-07-04	11/16/2007	26 - 26.8 ft																																	
SB-07-04	11/16/2007	4 - 5.5 ft				X	X	X	X				X			X		X	X					X										
SB-07-11	11/15/2007	1 - 3 ft				X	X	X	X				X	X		X			X		X			X										
SB-07-12	11/15/2007	2 - 4 ft																																	
SB-07-13	11/15/2007	0.2 - 1.5 ft		X										X							X														X
SB-07-14	11/15/2007	2 - 5 ft	X																		X			X						X					X
SB-07-15	11/15/2007	1 - 3 ft				X	X	X	X				X	X		X			X		X			X											X
SB-07-16	11/15/2007	0 - 2 ft	X			X	X	X	X				X			X			X		X														X
SB-07-17	11/15/2007	0 - 2.3 ft				X	X	X	X				X	X					X		X			X											X
SB-07-18	11/15/2007	2 - 4.4 ft	X	X		X	X	X	X				X	X					X		X			X											X
SB-07-19	11/15/2007	0.4 - 3 ft	X											X							X														X
SB-07-20	11/15/2007	1 - 2 ft				X	X	X	X				X			X			X		X			X											X
SB-07-21 (D)	11/15/2007	1.5 - 2.5 ft				X	X	X					X						X		X			X											X
SB-07-21	11/15/2007	1.5 - 2.5 ft	X			X	X	X	X				X			X			X		X														X
SB-07-22	11/15/2007	0.4 - 2.3 ft				X	X	X					X	X							X														X
SS-07-01	11/16/2007	0 - 0.2 ft				X	X	X	X				X			X			X		X			X											X
SS-07-02	11/16/2007	0 - 0.2 ft	X					X						X							X			X											X
SS-09-01	8/21/2009	0 - .17 ft																																	
SS-09-02	8/21/2009	0 - .17 ft				X	X	X								X			X																
SS-09-03	8/21/2009	0 - .17 ft	X			X	X	X					X			X			X																
SS-09-04	8/21/2009	0 - .17 ft																																	
SS-09-05	8/21/2009	0 - .17 ft					X	X								X																			
SS-09-05 (D)	8/21/2009	0 - .17 ft					X	X								X																			
HA-09-01	9/1/2009	.25 - .42 ft																						X											
HA-09-02	9/1/2009	.21 - .38 ft				X	X	X	X				X						X																
HA-09-03	9/1/2009	.17 - .33 ft																																	
HA-09-04	9/1/2009	.5 - .67 ft																																	
HA-09-05	9/1/2009	.04 - .21 ft				X	X	X					X								X														
HA-09-08	9/1/2009	0 - .17 ft				X															X			X											X
TP-09-01	8/21/2009	1.5 - 2.5 ft					X	X																											
TP-09-01	8/21/2009	6 - 7 ft																																	
TP-09-02	8/21/2009	2 - 3 ft																																	
TP-09-02	8/21/2009	6 - 7 ft																																	
TP-09-03	8/20/2009	2.5 - 3 ft					X																												
TP-09-03	8/20/2009	4 - 5 ft					X																												
TP-09-03	8/20/2009	6.5 - 7 ft																																	
TP-09-04	8/20/2009	3 - 4 ft																																	
TP-09-05	8/20/2009	1.5 - 2.5 ft					X	X								X																			
TP-09-05 (D)	8/20/2009	1.5 - 2.5 ft	X					X								X																			
TP-09-05	8/20/2009	8.5 - 9 ft																																	

TABLE 3-6
SOIL CLEANUP OBJECTIVES AND WATER QUALITY STANDARDS EXCEEDANCE SUMMARY
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Sample Location	Sample Date	Depth (feet bgs)	Arsenic	Barium	Benzene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Biphenyl	bis(2-Ethylhexyl)phthalate	Chromium	Chrysene	Copper	Cyanide (total)	Dibenzo(a,h)anthracene	Ethylbenzene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Iron	Lead	Magnesium	Manganese	Mercury	Naphthalene	Nickel	Phenthrene	Phenol	Pyrene	Selenium	Sodium	Styrene	Toluene	Xylenes (total)	Zinc
On-Site Soil																																			
SB-07-02	9/26/2007	20 - 22 ft																																	
SB-07-02	9/26/2007	32 - 33 ft																																	
SB-07-03	9/24/2007	10 - 12 ft																																	
SB-07-03	9/24/2007	4 - 6 ft				X	X	X	X				X			X		X	X															
SB-07-05	9/21/2007	10 - 10.9 ft																																	
SB-07-05	9/21/2007	4 - 6 ft				X	X	X								X																			
SB-07-06	9/24/2007	8 - 10 ft																																	
SB-07-07	9/27/2007	2 - 6 ft				X	X	X								X																			
SB-07-07	9/27/2007	22 - 24 ft																																	
SB-07-08	9/26/2007	7 - 10 ft																																	
SB-07-08	9/27/2007	22.8 - 24 ft																																	
SB-07-10	9/25/2007	4 - 6 ft																																	
SB-07-10	9/25/2007	6 - 8 ft																																	
SB-08-01	3/3/2008	11 - 13 ft					X																												
SB-08-01	3/4/2008	19 - 20.2 ft	X				X																												
SB-08-02	3/4/2008	19 - 19.4 ft				X	X	X								X																			
SB-08-02	3/4/2008	5 - 6 ft					X																												
SB-08-03	3/5/2008	21 - 23 ft				X	X									X																			
SB-08-03	3/5/2008	7.5 - 9.5 ft	X			X	X	X					X			X			X																
SB-08-03	3/6/2008	27 - 29.3 ft																																	
SS-07-03	9/26/2007	0 - 0.2 ft																																	
SS-07-04	9/26/2007	0 - 0.2 ft																																	
SS-07-05	9/26/2007	0 - 0.2 ft																																	
SS-07-05 (D)	9/26/2007	0 - 0.2 ft																																	
SS-07-06	9/26/2007	0 - 0.2 ft				X	X	X								X			X																
TP-07-01	9/20/2007	4.5 - 5 ft				X	X	X								X			X																
TP-07-01	9/20/2007	6.5 - 8.5 ft				X	X	X								X			X																
TP-07-02	9/19/2007	10 - 11 ft																																	
TP-07-02	9/19/2007	7.6 - 8 ft				X	X	X								X			X																
TP-07-03N	9/19/2007	5.7 - 6 ft																																	
TP-07-03S	9/19/2007	4 - 5 ft					X																												
TP-07-04	9/21/2007	1 - 2 ft	X			X	X	X	X				X			X		X	X										X						
TP-07-04 (D)	9/21/2007	9 - 10 ft																																	
TP-07-04	9/21/2007	9 - 10 ft					X									X																			
TP-07-05	9/20/2007	3 - 4 ft																																	
TP-07-05	9/20/2007	5 - 6 ft																																	
TP-07-06	9/20/2007	4.5 - 5.5 ft				X	X	X								X																			
TP-07-06	9/20/2007	6 - 7 ft																																	
TP-07-07	9/18/2007	12 - 13 ft																																	
TP-07-07	9/18/2007	5 - 6 ft																																	
TP-07-08	9/20/2007	5.5 - 6.5 ft					X	X								X																			
TP-07-08	9/20/2007	7 - 8 ft																																	

TABLE 3-6
SOIL CLEANUP OBJECTIVES AND WATER QUALITY STANDARDS EXCEEDANCE SUMMARY
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Sample Location	Sample Date	Depth (feet bgs)	Arsenic	Barium	Benzene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Biphenyl	bis(2-Ethylhexyl)phthalate	Chromium	Chrysene	Copper	Cyanide (total)	Dibenzo(a,h)anthracene	Ethylbenzene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Iron	Lead	Magnesium	Manganese	Mercury	Naphthalene	Nickel	Phenthrene	Phenol	Pyrene	Selenium	Sodium	Styrene	Toluene	Xylenes (total)	Zinc
On-Site Soil																																			
TP-07-09	9/21/2007	2 - 4 ft																																	
TP-07-09	9/21/2007	8 - 9 ft				X	X	X								X			X																
TP-07-10	9/18/2007	5 - 6 ft																																	
TP-07-10 (D)	9/18/2007	5 - 6 ft																																	
TP-07-10	9/18/2007	6 - 7 ft																																	
Groundwater																																			
MW-07-02	12/11/2007	-													X					X			X								X				
MW-07-02	5/14/2008	-													X					X			X		X						X				
MW-07-03	12/11/2007	-																				X								X	X				
MW-07-03	12/11/2007	-																				X								X	X				
MW-07-03	5/13/2008	-			X																		X								X				
MW-07-03	5/13/2008	-			X																		X								X				
MW-07-04	12/11/2007	-			X																	X									X				
MW-07-04	5/14/2008	-			X															X		X	X								X				
MW-07-05	12/11/2007	-																		X		X	X								X				
MW-07-05	5/13/2008	-																		X		X	X								X				
MW-07-06	12/11/2007	-																		X		X	X								X				
MW-07-06	5/13/2008	-																		X		X	X								X				
MW-08-01	3/25/2008	-	X			X		X			X	X	X		X				X	X	X	X	X			X					X				
MW-08-02	3/25/2008	-			X	X		X	X		X		X						X	X											X				
MW-08-02	5/13/2008	-			X										X					X															
MW-08-03	3/25/2008	-			X	X				X	X				X		X			X		X	X		X			X			X	X	X	X	
MW-08-03	5/14/2008	-			X	X		X	X	X			X		X		X		X	X		X	X		X		X	X			X	X	X	X	

Notes:
1. "(D)" denotes Duplicate Sample.

TABLE 3-7
SUMMARY OF COMMERCIAL SURFACE SOIL ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location	Detected?	NYSDEC	SS-07-03	SS-07-04	SS-07-05	SS-07-05	SS-07-06	SS-09-01	SS-09-02	SS-09-03	SS-09-04	SS-09-05	SS-09-05	SS-1	SS-2	SS-3
Sample Depth		Part 375	0 - 0.17 ft	0 - 0.17 ft	0 - 0.17 ft	0 - 0.17 ft	0 - 0.17 ft	0 - 0.17 ft	0 - 0.17 ft	0 - 0.17 ft	0 - 0.17 ft	0 - 0.17 ft	0 - 0.17 ft			
Sample Date		Commercial	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	8/21/2009	8/21/2009	8/21/2009	8/21/2009	8/21/2009	8/21/2009	11/30/1990	11/30/1990	11/30/1990
Sample Type		SCO				Duplicate							Duplicate			
Sample Name		(mg/kg)	SS-07-03	SS-07-04	SS-07-05	DUP-07-03	SS-07-06	SS-09-01	SS-09-02	SS-09-03	SS-09-04	SS-09-05	DUP-SS-09-01	CGSF-SS1	CGSF-SS2	CGSF-SS3
Cyanide (mg/kg)																
Cyanide	Y	-	-	-	-	-	-	-	-	-	-	-	-	< 0.66	**3.8**	**6.6**
Cyanide (total)	Y	27	< 1.25	< 0.986	< 1.31	**1.96**	**3.35**	< 0.9	< 1.5	**2.8**	< 0.8	< 1	< 1.1	-	-	-
Metals (mg/kg)																
Aluminum	Y	-	**6220 J**	**7620 J**	**7400 J**	**9640 J**	**5790 J**	**6050 J**	**5910 J**	**5000 J**	**2250 J**	**4990 J**	**5970 J**	**6100**	**3700**	**6400**
Antimony	Y	-	< 8.3	< 7	< 9	< 9	< 12.7	< 0.6	< 1	< 1.1	< 0.6	< 0.8 UJ	**1.6 J**	< 8.4	< 8.6	< 10
Arsenic	Y	16	**5.7**	**5.1**	**5.3**	**6.8**	**6.8**	**5.2**	**13.7**	**20**	**3**	**8.2**	**7.4**	**5.5**	**3.3**	**7.9**
Barium	Y	400	**106 J**	**67.7 J**	**74.3 J**	**99.1 J**	**108 J**	**48.2**	**134**	**107**	**22.7**	**73.2**	**73.7**	**89**	**35**	**77**
Beryllium	Y	590	< 0.69	< 0.58	< 0.75	< 0.75	< 1.1	**0.35 J**	**0.58**	**0.454 J**	**0.257 J**	**0.409 J**	**0.466 J**	< 0.7	< 0.72	< 0.85
Cadmium	Y	9.3	< 0.69	**1.7**	**1.4**	**1.7**	**2.3**	**0.049 J**	**0.77**	**0.983**	< 0.045	**0.52**	**0.505**	**1**	< 0.72	**1**
Calcium	Y	-	**29700**	**20200**	**11200**	**16700**	**35600**	**183000**	**14600**	**16700**	**207000**	**10600**	**11700**	**43000**	**29000**	**18000**
Chromium	Y	400	**11.8**	**15.1**	**13.1**	**17.7**	**10.3**	**7.91**	**11.3**	**10.6**	**4.26**	**6.04**	**6.68**	**9.5**	**5.8**	**12**
Cobalt	Y	-	< 6.9	**7**	< 7.5	**8.3**	< 10.6	**5.93**	**11.3**	**5.9**	**2.33 J**	**4.52 J**	**4.8 J**	< 7	< 7.2	< 8.5
Copper	Y	270	**115**	**44.3**	**41.8**	**57.7**	**63.3**	**37.1**	**105**	**59.5**	**9**	**73.4**	**71**	**38**	**31**	**49**
Iron	Y	-	**14600 J**	**14200 J**	**15400 J**	**23200 J**	**10100 J**	**11600**	**18900**	**12300**	**6860**	**12200**	**12300**	**14000**	**11000**	**17000**
Lead	Y	1000	**340 J**	**102 J**	**207 J**	**255 J**	**123 J**	**32.5**	**133**	**165**	**16.3**	**113**	**109**	**490**	**42**	**190**
Magnesium	Y	-	**11000 J**	**9600 J**	**2950 J**	**5320 J**	**4870 J**	**44200**	**2290**	**2740**	**23000**	**1850**	**1520**	**13000**	**9200**	**4000**
Manganese	Y	10000	**411**	**414**	**512**	**696**	**741**	**601 J**	**329 J**	**336 J**	**266 J**	**222 J**	**227 J**	**420**	**250**	**480**
Mercury	Y	2.8	**0.37**	**0.252**	**0.188**	**0.182**	**0.327**	**0.0691**	**0.292**	**0.523**	**0.0658**	**0.168**	**0.144**	< 0.17	**0.13**	**0.97**
Nickel	Y	310	**16.6**	**16.2**	**15.1**	**19.6**	**16.3**	**11.1**	**20.8**	**14**	**5.48**	**10.1**	**12.4**	**15**	**10**	**13**
Potassium	Y	-	**1260**	**1240**	**1030**	**1210**	**1190**	**1340**	**1220**	**1150**	**670**	**682**	**768**	**1400**	< 720	**1000**
Selenium	Y	1500	**2.4**	**0.87**	**1.7**	**2**	**3.9**	< 0.7	< 2.5	< 3.2	< 0.7	< 1.8	< 1.3	< 0.7	**0.64**	< 0.84
Silver	Y	1500	< 1.4	< 1.2	< 1.5	< 1.5	< 2.1	< 0.08	< 0.131	**0.156 J**	< 0.079	< 0.104	**0.101 J**	< 1.4	< 1.4	< 1.7
Sodium	Y	-	**128**	**83.2**	**90.9**	**114**	**132**	< 141	< 98.6	< 99.8	< 111	< 123	< 168	< 500	< 720	< 850
Thallium	N	-	< 1.4	< 1.2	< 1.5	< 1.5	< 2.1	< 0.3	< 0.6	< 0.6	< 0.3	< 0.4	< 0.4	< 1.4	< 1.4	< 1.7
Vanadium	Y	-	**15.3**	**14.9**	**15.8**	**20.5**	**13.6**	**13**	**20.3**	**15**	**7.07**	**11.7**	**13.4**	**19**	**7.8**	**16**
Zinc	Y	10000	**283**	**273**	**400**	**522**	**320**	**44.7**	**178**	**206**	**28.2**	**122**	**118**	**160**	**130**	**240**
PAHs (mg/kg)																
2-Methyl naphthalene	Y	-	**0.017 J**	**0.01 J**	< 0.45	< 0.46	**0.33 J**	< 0.045	**0.7 J**	**3.1 J**	< 0.043	< 0.028	< 0.056	< 9.3	< 9.4	< 11
Acenaphthene	Y	500	**0.018 J**	**0.021 J**	< 0.45	< 0.46	**0.37 J**	< 0.044	**1.1 J**	**16 J**	< 0.042	< 0.028	< 0.054	< 9.3	< 9.4	< 11
Acenaphthylene	Y	500	**0.069 J**	**0.043 J**	**0.061 J**	**0.035 J**	**4.2 J**	< 0.03	**1.3 J**	< 0.27	< 0.029	< 0.019	< 0.038	**1.7 J**	**4 J**	**2.5 J**
Anthracene	Y	500	**0.14 J**	**0.089 J**	**0.12 J**	**0.052 J**	**7.9 J**	< 0.095	**3 J**	**35 J**	< 0.091	**0.57 J**	< 0.12	**4.6 J**	**6.1 J**	**7.5 J**
Benzo(a)anthracene	Y	5.6	**0.7**	**0.43**	**0.59**	**0.32 J**	**43**	< 0.064	**12 J**	**67**	< 0.061	**5.4**	**4.6 J**	**20**	**27**	**39**
Benzo(a)pyrene	Y	1	**0.7**	**0.46**	**0.52**	**0.34 J**	**43**	< 0.089	**12**	**55 J**	**0.46 J**	**6.8**	**5.6 J**	**18**	**20**	**25**
Benzo(b)fluoranthene	Y	5.6	**0.82**	**0.76**	**0.61**	**0.41 J**	**69**	< 0.072	**15**	**61 J**	**0.76 J**	**8**	**6.8 J**	**18**	**19**	**37**
Benzo(g,h,i)perylene	Y	500	**0.56**	**0.42**	**0.36 J**	**0.26 J**	**33**	< 0.044	**8.2 J**	**28 J**	< 0.043	**5.8**	**4.6 J**	**11**	**2.9 J**	**12**
Benzo(k)fluoranthene	Y	56	**0.34 J**	< 0.39	**0.2 J**	**0.13 J**	< 12	< 0.041	**5.4 J**	**24 J**	**0.27 J**	**2.9 J**	**2.3 J**	**8 J**	**3.7 J**	**4.6 J**
Chrysene	Y	56	**0.62**	**0.4**	**0.48**	**0.27 J**	**38**	< 0.037	**16**	**66**	**0.58 J**	**5.3**	**4.5 J**	**21**	**21**	**25**
Dibenzo(a,h)anthracene	Y	0.56	**0.13 J**	**0.09 J**	**0.086 J**	**0.066 J**	**3.2 J**	< 0.044	**2 J**	**8.9 J**	< 0.042	**1.5 J**	**1.2 J**	**2.7 J**	**2.6 J**	**3.9 J**
Fluoranthene	Y	500	**1.2**	**0.81**	**1**	**0.55**	**78**	< 0.054	**37**	**160**	**0.88 J**	**9.7**	**8.3 J**	**34**	**51**	**56**
Fluorene	Y	500	**0.044 J**	**0.025 J**	< 0.45	**0.012 J**	**1.6 J**	< 0.085	**1.5 J**	**14 J**	< 0.082	< 0.054	< 0.11	< 9.3	**1.6 J**	**1.9 J**
Indeno(1,2,3-cd)pyrene	Y	5.6	**0.51**	**0.35 J**	**0.34 J**	**0.23 J**	**31**	< 0.1	**6.8 J**	**26 J**	**0.38 J**	**5.1**	**4 J**	**15**	**13**	**17**
Naphthalene	Y	500	**0.042 J**	**0.014 J**	**0.011 J**	< 0.46	**0.8 J**	< 0.062	< 0.1	< 0.54	< 0.059	< 0.039	< 0.077	< 9.3	**0.96 J**	< 11
Phenanthrene	Y	500	**0.54**	**0.35 J**	**0.38 J**	**0.16 J**	**22**	< 0.078	**33**	**140**	< 0.075	**3 J**	**2.9 J**	**12**	**12**	**16**
Pyrene	Y	500	**0.97**	**0.73**	**0.85**	**0.48**	**65**	< 0.024	**31**	**120**	**0.66 J**	**7.4**	**6.4 J**	**20**	**24**	**27**
Total PAHs	-	-	**7.42**	**5.002**	**5.608**	**3.315**	**440.4**	-	**186**	**824**	**3.99**	**61.47**	**51.2**	**186**	**208.86**	**274.4**
SVOCs (mg/kg)																
2,2'-Oxybis(1-Chloropropane)	N	-	-	-	-	-	-	< 0.39	< 0.65	< 3.4	< 0.37	< 0.24	< 0.48	-	-	-
2,2-oxybis(1-Chloropropane)	N	-	< 0.42	< 0.39	< 0.45	< 0.46	< 12	-	-	-	-	-	-	< 9.3	< 9.4	< 11
2,4,5-Trichlorophenol	N	-	< 0.42	< 0.39	< 0.45	< 0.46	< 12	< 0.81	< 1.3	< 7.1	< 0.77	< 0.51	< 1	< 9.3	< 9.4	< 11
2,4,6-Trichlorophenol	N	-	< 0.42	< 0.39	< 0.45	< 0.46	< 12	< 0.24	< 0.41	< 2.1	< 0.23	< 0.15	< 0.3	< 9.3	< 9.4	< 11
2,4-Dichlorophenol	N	-	< 0.42	< 0.39	< 0.45	< 0.46	< 12	< 0.19	< 0.32	< 1.7	< 0.19	< 0.12	< 0.24	< 9.3	< 9.4	< 11
2,4-Dimethylphenol	N	-	< 0.42	< 0.39	< 0.45	< 0.46	< 12	< 1	< 1.7	< 8.8	< 0.96	< 0.63	< 1.2	< 46	< 47	< 58
2,4-Dinitrophenol	N	-	< 2.2	< 2	< 2.3	< 2.3	< 62	< 1.3	< 2.2	< 11	< 1.2	< 0.82	< 1.6	< 46	< 47	< 58
2,4-Dinitrotoluene	N	-	< 0.42	< 0.39	< 0.45	< 0.46	< 12	< 0.57	< 0.96	< 5	< 0.55	< 0.36	< 0.71	< 9.3	< 9.4	< 11

TABLE 3-7
SUMMARY OF COMMERCIAL SURFACE SOIL ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location	Detected?	NYSDEC	SS-07-03	SS-07-04	SS-07-05	SS-07-05	SS-07-06	SS-09-01	SS-09-02	SS-09-03	SS-09-04	SS-09-05	SS-09-05	SS-1	SS-2	SS-3
Sample Depth		Part 375	0 - 0.17 ft	0 - 0.17 ft	0 - 0.17 ft	0 - 0.17 ft	0 - 0.17 ft	0 - 0.17 ft	0 - 0.17 ft	0 - 0.17 ft	0 - 0.17 ft	0 - 0.17 ft	0 - 0.17 ft			
Sample Date		Commercial	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	8/21/2009	8/21/2009	8/21/2009	8/21/2009	8/21/2009	8/21/2009	11/30/1990	11/30/1990	11/30/1990
Sample Type		SCO				Duplicate							Duplicate			
Sample Name		(mg/kg)	SS-07-03	SS-07-04	SS-07-05	DUP-07-03	SS-07-06	SS-09-01	SS-09-02	SS-09-03	SS-09-04	SS-09-05	DUP-SS-09-01	CGSF-SS1	CGSF-SS2	CGSF-SS3
2,6-Dinitrotoluene	N	-	< 0.42	< 0.39	< 0.45	< 0.46	< 12	< 0.91	< 1.5	< 7.9	< 0.87	< 0.57	< 1.1	< 9.3	< 9.4	< 11
2-Chloronaphthalene	N	-	< 0.42	< 0.39	< 0.45	< 0.46	< 12	< 0.25	< 0.41	< 2.2	< 0.24	< 0.16	< 0.31	< 9.3	< 9.4	< 11
2-Chlorophenol	N	-	< 0.42	< 0.39	< 0.45	< 0.46	< 12	< 0.19	< 0.31	< 1.7	< 0.18	< 0.12	< 0.24	< 9.3	< 9.4	< 11
2-Methylphenol	N	500	< 0.42	< 0.39	< 0.45	< 0.46	< 12	< 0.11	< 0.19	< 1	< 0.11	< 0.072	< 0.14	< 9.3	< 9.4	< 11
2-Nitroaniline	N	-	< 2.2	< 2	< 2.3	< 2.3	< 62	< 1.2	< 2	< 10	< 1.1	< 0.75	< 1.5	< 46	< 47	< 58
2-Nitrophenol	N	-	< 0.42	< 0.39	< 0.45	< 0.46	< 12	< 0.17	< 0.28	< 1.5	< 0.16	< 0.11	< 0.21	< 9.3	< 9.4	< 11
3,3-Dichlorobenzidine	N	-	< 0.42	< 0.39	< 0.45	< 0.46	< 12	< 3.2	< 5.4	< 28	< 3.1	< 2.1	< 4	< 46	< 47	< 58
3-Nitroaniline	N	-	< 2.2	< 2	< 2.3	< 2.3	< 62	< 0.85 R	< 1.4 R	< 7.5 R	< 0.82 R	< 0.54 R	< 1.1 R	< 46	< 47	< 58
4,6-Dinitro-2-methylphenol	N	-	< 2.2	< 2	< 2.3	< 2.3	< 62	< 1.3	< 2.1	< 11	< 1.2	< 0.81	< 1.6	< 9.3	< 9.4	< 11
4-Bromophenyl phenyl ether	N	-	< 0.42	< 0.39	< 0.45	< 0.46	< 12	< 1.2	< 2	< 10	< 1.1	< 0.75	< 1.5	< 9.3	< 9.4	< 11
4-Chloro-3-methylphenol	N	-	< 0.42	< 0.39	< 0.45	< 0.46	< 12	< 0.15	< 0.25	< 1.3	< 0.15	< 0.096	< 0.19	< 9.3	< 9.4	< 11
4-Chloroaniline	N	-	< 0.42	< 0.39	< 0.45	< 0.46	< 12	< 1.1	< 1.8	< 9.5	< 1	< 0.69	< 1.4	< 9.3	< 9.4	< 11
4-Chlorophenyl phenyl ether	N	-	< 0.42	< 0.39	< 0.45	< 0.46	< 12	< 0.079	< 0.13	< 0.69	< 0.076	< 0.05	< 0.098	< 9.3	< 9.4	< 11
4-Methylphenol	N	500	< 0.42	< 0.39	< 0.45	< 0.46	< 12	< 0.21	< 0.34	< 1.8	< 0.2	< 0.13	< 0.26	< 9.3	< 9.4	< 11
4-Nitroaniline	N	-	< 2.2	< 2	< 2.3	< 2.3	< 62	< 0.41	< 0.69	< 3.6	< 0.4	< 0.26	< 0.52	< 46	< 47	< 58
4-Nitrophenol	N	-	< 2.2	< 2	< 2.3	< 2.3	< 62	< 0.9	< 1.5	< 7.9	< 0.86	< 0.57	< 1.1	< 46	< 47	< 58
Acetophenone	N	-	< 0.42	< 0.39	< 0.45	< 0.46	< 12	< 0.19 R	< 0.32 R	< 1.7 R	< 0.18 R	< 0.12 R	< 0.24 R	-	-	-
Atrazine	N	-	< 0.42	< 0.39	< 0.45	< 0.46	< 12	< 0.16	< 0.28	< 1.4	< 0.16	< 0.1	< 0.21	-	-	-
Benzaldehyde	N	-	< 0.42	< 0.39	< 0.45	< 0.46	< 12	< 0.41	< 0.68	< 3.6	< 0.39	< 0.26	< 0.51	-	-	-
Benzyl alcohol	N	-	-	-	-	-	-	-	-	-	-	-	-	< 9.3	< 9.4	< 11
Biphenyl	N	-	< 0.42	< 0.39	< 0.45	< 0.46	< 12	< 0.23	< 0.39	< 2	< 0.22	< 0.15	< 0.29	-	-	-
bis(2-Chloroethoxy)methane	N	-	< 0.42	< 0.39	< 0.45	< 0.46	< 12	< 0.2 R	< 0.34 R	< 1.8 R	< 0.19 R	< 0.13 R	< 0.25 R	< 9.3	< 9.4	< 11
bis(2-Chloroethyl)ether	N	-	< 0.42	< 0.39	< 0.45	< 0.46	< 12	< 0.32	< 0.53	< 2.8	< 0.31	< 0.2	< 0.4	< 9.3	< 9.4	< 11
bis(2-Ethylhexyl)phthalate	Y	-	**0.074 J**	**0.11 J**	**0.1 J**	< 0.46	< 12	< 1.2	< 2	< 10	< 1.1	< 0.75	< 1.5	< 9.3	< 9.4	< 11
Butyl benzylphthalate	Y	-	< 0.42	**0.12 J**	< 0.45	< 0.46	< 12	< 0.99	< 1.7	< 8.7	< 0.95	< 0.63	< 1.2	< 9.3	< 9.4	< 11
Caprolactam	N	-	< 2.2	< 2	< 2.3	< 2.3	< 62	< 1.6	< 2.7	< 14	< 1.5	< 1	< 2	-	-	-
Carbazole	Y	-	**0.063 J**	**0.038 J**	**0.026 J**	**0.017 J**	**1.5 J**	< 0.043	**2.1 J**	**11 J**	< 0.041	< 0.027	< 0.053	-	-	-
Dibenzofuran	Y	350	**0.028 J**	**0.015 J**	**0.017 J**	< 0.46	**0.73 J**	< 0.039	**1.5 J**	**10 J**	< 0.037	< 0.024	< 0.048	< 9.3	< 9.4	< 11
Diethyl phthalate	N	-	< 0.42	< 0.39	< 0.45	< 0.46	< 12	< 0.11	< 0.19	< 0.98	< 0.11	< 0.071	< 0.14	< 9.3	< 9.4	< 11
Dimethyl phthalate	N	-	< 0.42	< 0.39	< 0.45	< 0.46	< 12	< 0.097	< 0.16	< 0.85	< 0.093	< 0.061	< 0.12	< 9.3	< 9.4	< 11
Di-n-butylphthalate	N	-	< 0.42	< 0.39	< 0.45	< 0.46	< 12	< 1.3	< 2.1	< 11	< 1.2	< 0.81	< 1.6	< 9.3	< 9.4	< 11
Di-n-octyl phthalate	N	-	< 0.42	< 0.39	< 0.45	< 0.46	< 12	< 0.087	< 0.14	< 0.76	< 0.083	< 0.055	< 0.11	< 9.3	< 9.4	< 11
Hexachlorobenzene	N	6	< 0.42	< 0.39	< 0.45	< 0.46	*< 12*	< 0.18	< 0.31	< 1.6	< 0.18	< 0.12	< 0.23	*< 9.3*	*< 9.4*	*< 11*
Hexachlorobutadiene	N	-	< 0.42	< 0.39	< 0.45	< 0.46	< 12	< 0.19	< 0.32	< 1.7	< 0.18	< 0.12	< 0.24	< 9.3	< 9.4	< 11
Hexachlorocyclopentadiene	N	-	< 0.42	< 0.39	< 0.45	< 0.46	< 12	< 1.1	< 1.9	< 9.8	< 1.1	< 0.71	< 1.4	< 9.3	< 9.4	< 11
Hexachloroethane	N	-	< 0.42	< 0.39	< 0.45	< 0.46	< 12	< 0.29	< 0.48	< 2.5	< 0.27	< 0.18	< 0.36	< 9.3	< 9.4	< 11
Isophorone	N	-	< 0.42	< 0.39	< 0.45	< 0.46	< 12	< 0.19	< 0.31	< 1.6	< 0.18	< 0.12	< 0.23	< 9.3	< 9.4	< 11
Nitrobenzene	N	-	< 0.42	< 0.39	< 0.45	< 0.46	< 12	< 0.16	< 0.27	< 1.4	< 0.16	< 0.1	< 0.2	< 9.3	< 9.4	< 11
N-Nitrosodi-n-propylamine	N	-	< 0.42	< 0.39	< 0.45	< 0.46	< 12	< 0.29	< 0.49	< 2.6	< 0.28	< 0.19	< 0.37	< 9.3	< 9.4	< 11
N-Nitrosodiphenylamine	N	-	< 0.42	< 0.39	< 0.45	< 0.46	< 12	< 0.2	< 0.34	< 1.8	< 0.19	< 0.13	< 0.25	< 9.3	< 9.4	< 11
Pentachlorophenol	N	6.7	< 0.42	< 0.39	< 0.45	< 0.46	*< 12*	< 1.3	< 2.1	*< 11*	< 1.2	< 0.8	< 1.6	*< 46*	*< 47*	*< 58*
Phenol	N	500	< 0.42	< 0.39	< 0.45	< 0.46	< 12	< 0.39	< 0.65	< 3.4	< 0.37	< 0.25	< 0.49	< 9.3	< 9.4	< 11
VOCs (mg/kg)																
1,1,1-Trichloroethane	N	500	< 0.0062	< 0.0059	< 0.0066	< 0.0068	< 0.0086	-	-	-	-	-	-	< 0.0088	< 0.0089	< 0.011
1,1,2,2-Tetrachloroethane	N	-	< 0.0062	< 0.0059	< 0.0066	< 0.0068	< 0.0086 UJ	-	-	-	-	-	-	< 0.0088	< 0.0089	< 0.011
1,1,2-Trichloroethane	N	-	< 0.0062	< 0.0059	< 0.0066	< 0.0068	< 0.0086	-	-	-	-	-	-	< 0.0088	< 0.0089	< 0.011
1,1-Dichloroethane	N	240	< 0.0062	< 0.0059	< 0.0066	< 0.0068	< 0.0086	-	-	-	-	-	-	< 0.0088	< 0.0089	< 0.011
1,1-Dichloroethene	N	500	< 0.0062 UJ	< 0.0059 UJ	< 0.0066 UJ	< 0.0068 UJ	< 0.0086 UJ	-	-	-	-	-	-	< 0.0088	< 0.0089	< 0.011
1,2,4-Trichlorobenzene	N	-	< 0.0062	< 0.0059	< 0.0066	< 0.0068	< 0.0086 UJ	-	-	-	-	-	-	< 9.3	< 9.4	< 11
1,2-Dibromo-3-chloropropane (DBCP)	N	-	< 0.0062	< 0.0059	< 0.0066	< 0.0068	< 0.0086 UJ	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	N	-	< 0.0062	< 0.0059	< 0.0066	< 0.0068	< 0.0086	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	N	500	< 0.0062	< 0.0059	< 0.0066	< 0.0068	< 0.0086 UJ	-	-	-	-	-	-	< 9.3	< 9.4	< 11
1,2-Dichloroethane	N	30	< 0.0062	< 0.0059	< 0.0066	< 0.0068	< 0.0086	-	-	-	-	-	-	< 0.0088	< 0.0089	< 0.011
1,2-Dichloroethene, Total	N	-	-	-	-	-	-	-	-	-	-	-	-	< 0.0088	< 0.0089	< 0.011
1,2-Dichloropropane	N	-	< 0.0062	< 0.0059	< 0.0066	< 0.0068	< 0.0086	-	-	-	-	-	-	< 0.0088	< 0.0089	< 0.011
1,3-Dichlorobenzene	N	280	< 0.0062	< 0.0059	< 0.0066	< 0.0068	< 0.0086 UJ	-	-	-	-	-	-	< 9.3	< 9.4	< 11
1,4-Dichlorobenzene	N	130	< 0.0062	< 0.0059	< 0.0066	< 0.0068	< 0.0086 UJ	-	-	-	-	-	-	< 9.3	< 9.4	< 11

TABLE 3-7
SUMMARY OF COMMERCIAL SURFACE SOIL ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location	Detected?	NYSDEC	SS-07-03	SS-07-04	SS-07-05	SS-07-05	SS-07-06	SS-09-01	SS-09-02	SS-09-03	SS-09-04	SS-09-05	SS-09-05	SS-1	SS-2	SS-3
Sample Depth		Part 375	0 - 0.17 ft	0 - 0.17 ft	0 - 0.17 ft	0 - 0.17 ft	0 - 0.17 ft	0 - 0.17 ft	0 - 0.17 ft	0 - 0.17 ft	0 - 0.17 ft	0 - 0.17 ft	0 - 0.17 ft			
Sample Date		Commercial	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	8/21/2009	8/21/2009	8/21/2009	8/21/2009	8/21/2009	8/21/2009	11/30/1990	11/30/1990	11/30/1990
Sample Type		SCO				Duplicate							Duplicate			
Sample Name		(mg/kg)	SS-07-03	SS-07-04	SS-07-05	DUP-07-03	SS-07-06	SS-09-01	SS-09-02	SS-09-03	SS-09-04	SS-09-05	DUP-SS-09-01	CGSF-SS1	CGSF-SS2	CGSF-SS3
2-Butanone	N	500	< 0.012	< 0.012	< 0.013	< 0.014	< 0.017	-	-	-	-	-	-	< 0.088	< 0.11	< 0.11
2-Hexanone	N	-	< 0.012	< 0.012	< 0.013	< 0.014	< 0.017	-	-	-	-	-	-	< 0.088	< 0.089	< 0.11
4-Methyl-2-pentanone	N	-	< 0.012	< 0.012	< 0.013	< 0.014	< 0.017	-	-	-	-	-	-	< 0.088	< 0.089	< 0.11
Acetone	N	500	< 0.025	< 0.024	< 0.026	< 0.027	< 0.034	-	-	-	-	-	-	< 0.088	< 0.089	< 0.11
Benzene	N	44	< 0.0062 UJ	< 0.0059 UJ	< 0.0066 UJ	< 0.0068 UJ	< 0.0086 UJ	-	-	-	-	-	-	< 0.0088	< 0.0089	< 0.011
Benzoic acid	N	-	-	-	-	-	-	-	-	-	-	-	-	< 46	< 47	< 58
Bromodichloromethane	N	-	< 0.0062	< 0.0059	< 0.0066	< 0.0068	< 0.0086	-	-	-	-	-	-	< 0.0088	< 0.0089	< 0.011
Bromoform	N	-	< 0.0062	< 0.0059	< 0.0066	< 0.0068	< 0.0086	-	-	-	-	-	-	< 0.0088	< 0.0089	< 0.011
Bromomethane	N	-	< 0.0062 R	< 0.0059	< 0.0066 R	< 0.0068	< 0.0086	-	-	-	-	-	-	< 0.018	< 0.018	< 0.021
Carbon disulfide	Y	-	< 0.012	< 0.012	< 0.013	< 0.014	**0.0026 J**	-	-	-	-	-	-	< 0.0088	< 0.0089	< 0.011
Carbon tetrachloride	N	22	< 0.0062	< 0.0059	< 0.0066	< 0.0068	< 0.0086	-	-	-	-	-	-	< 0.0088	< 0.0089	< 0.011
Chlorobenzene	N	500	< 0.0062 UJ	< 0.0059 UJ	< 0.0066 UJ	< 0.0068 UJ	< 0.0086 UJ	-	-	-	-	-	-	< 0.0088	< 0.0089	< 0.011
Chloroethane	N	-	< 0.0062	< 0.0059	< 0.0066	< 0.0068	< 0.0086	-	-	-	-	-	-	< 0.018	< 0.018	< 0.021
Chloroform	Y	350	< 0.0062	< 0.0059	< 0.0066	< 0.0068	**0.0037 J**	-	-	-	-	-	-	< 0.0088	< 0.0089	< 0.011
Chloromethane	N	-	< 0.0062	< 0.0059	< 0.0066	< 0.0068	< 0.0086	-	-	-	-	-	-	< 0.018	< 0.018	< 0.021
cis-1,2-Dichloroethene	N	500	< 0.0062	< 0.0059	< 0.0066	< 0.0068	< 0.0086	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	N	-	< 0.0062	< 0.0059	< 0.0066	< 0.0068	< 0.0086	-	-	-	-	-	-	< 0.0088	< 0.0089	< 0.011
Cyclohexane	N	-	< 0.012	< 0.012	< 0.013	< 0.014	< 0.017	-	-	-	-	-	-	-	-	-
Dibromochloromethane	N	-	< 0.0062	< 0.0059	< 0.0066	< 0.0068	< 0.0086	-	-	-	-	-	-	< 0.0088	< 0.0089	< 0.011
Dichlorodifluoromethane (CFC-12)	N	-	< 0.0062	< 0.0059	< 0.0066	< 0.0068	< 0.0086	-	-	-	-	-	-	-	-	-
Ethylbenzene	N	390	< 0.0062	< 0.0059	< 0.0066	< 0.0068	< 0.0086	-	-	-	-	-	-	< 0.0088	< 0.0089	< 0.011
Isopropylbenzene	N	-	< 0.0062	< 0.0059	< 0.0066	< 0.0068	< 0.0086	-	-	-	-	-	-	-	-	-
Methyl acetate	N	-	< 0.012	< 0.012 UJ	< 0.013	< 0.014 UJ	< 0.017 UJ	-	-	-	-	-	-	-	-	-
Methyl cyclohexane	N	-	< 0.012	< 0.012	< 0.013	< 0.014	< 0.017	-	-	-	-	-	-	-	-	-
Methyl tert butyl ether (MTBE)	N	500	< 0.0062	< 0.0059	< 0.0066	< 0.0068	< 0.0086	-	-	-	-	-	-	-	-	-
Methylene chloride	Y	500	< 0.014	< 0.019	< 0.0066	< 0.022	**0.066**	-	-	-	-	-	-	< 0.018	< 0.018	< 0.021
Styrene	N	-	< 0.0062	< 0.0059	< 0.0066	< 0.0068	< 0.0086	-	-	-	-	-	-	< 0.0088	< 0.0089	< 0.011
Tetrachloroethene	N	150	< 0.0062	< 0.0059	< 0.0066	< 0.0068	< 0.0086	-	-	-	-	-	-	< 0.0088	< 0.0089	< 0.011
Toluene	Y	500	< 0.0062 UJ	< 0.0059 UJ	< 0.0066 UJ	< 0.0068 UJ	< 0.0086 UJ	-	-	-	-	-	-	< 0.0088	< 0.0089	< 0.011
trans-1,2-Dichloroethene	N	500	< 0.0062	< 0.0059	< 0.0066	< 0.0068	< 0.0086	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	N	-	< 0.0062	< 0.0059	< 0.0066	< 0.0068	< 0.0086	-	-	-	-	-	-	< 0.0088	< 0.0089	< 0.011
Trichloroethene	N	200	< 0.0062 UJ	< 0.0059 UJ	< 0.0066 UJ	< 0.0068 UJ	< 0.0086 UJ	-	-	-	-	-	-	< 0.0088	< 0.0089	< 0.011
Trichlorofluoromethane (CFC-11)	Y	-	**0.0013 J**	< 0.0059	< 0.0066	< 0.0068	< 0.0086	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	N	-	< 0.0062	< 0.0059	< 0.0066	< 0.0068	< 0.0086	-	-	-	-	-	-	-	-	-
Vinyl acetate	N	-	-	-	-	-	-	-	-	-	-	-	-	< 0.088	< 0.089	< 0.11
Vinyl chloride	N	13	< 0.0062	< 0.0059	< 0.0066	< 0.0068	< 0.0086	-	-	-	-	-	-	< 0.018	< 0.018	< 0.021
Xylenes (total)	N	500	< 0.019	< 0.018	< 0.02	< 0.02	< 0.026	-	-	-	-	-	-	< 0.0088	< 0.0089	< 0.011

Notes and Abbreviations:
1. Orange shading indicates result exceeds NYSDEC Part 375 Restricted Use Soil Cleanup Objectives for Commercial.
2. *Gray* shading indicates Reporting Detection Limit exceeds NYSDEC Part 375 Restricted Use Soil Cleanup Objectives for Commercial.
3. <: Compound not detected above the indicated reporting limit.
   J: Estimated result.
   R: Rejected result.
   UJ: Non-detect, reporting limit is estimated.
4. Detected compounds are in bold.

TABLE 3-8
SUMMARY OF COMMERCIAL SUBSURFACE SOIL ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location	Detected?	NYSDEC	SB-07-02	SB-07-02	SB-07-03	SB-07-03	SB-07-05	SB-07-05	SB-07-06	SB-07-07	SB-07-07	SB-07-08	SB-07-08	SB-07-09	SB-07-10	SB-07-10
Sample Depth		Part 375	20 - 22 ft	32 - 33 ft	4 - 6 ft	10 - 12 ft	4 - 6 ft	10 - 10.9 ft	8 - 10 ft	2 - 6 ft	22 - 24 ft	7 - 10 ft	22.8 - 24 ft	8 - 8.5 ft	4 - 6 ft	6 - 8 ft
Sample Date		Commercial	9/26/2007	9/26/2007	9/24/2007	9/24/2007	9/21/2007	9/21/2007	9/24/2007	9/27/2007	9/27/2007	9/26/2007	9/27/2007	9/24/2007	9/25/2007	9/25/2007
Sample Type		SCO														
Sample Name		(mg/kg)	SB-07-02(20-22)	SB-07-02(32-33)	SB-07-03(4-6)	SB-07-03(10-12)	SB-07-05(4-6)	SB-07-05(10-10.9)	SB-07-06(8-10)	SB-07-07(2-6)	SB-07-07(22-24)	SB-07-08(7-10)	SB-07-08(22.8-24)	SB-07-09(8-8.5)	SB-07-10(4-6)	SB-07-10(6-8)
Cyanide (mg/kg)																
Cyanide (total)	Y	27	**9.18**	< 0.547	**10.1**	< 1.01	< 0.85 R	< 0.815 R	< 0.807	**16.2**	< 0.908	< 0.942	< 1.11	-	**1.27**	< 0.989
Metals (mg/kg)																
Aluminum	Y	-	**11500 J**	**3780 J**	**5630 J**	**3490 J**	**8250**	**3460**	**8290 J**	**11100 J**	**5760 J**	**11200 J**	**3720 J**	-	**4110 J**	**3350 J**
Antimony	Y	-	< 6.9	< 5.9	< 6.9	< 6.6	< 7	< 7.1	< 6.9	< 6.9	< 7	< 6.5	< 7.2	-	< 6.7	< 6.7
Arsenic	Y	16	**4.4**	**1.5**	**4.1**	**1.7**	**2.7**	**2.4**	**11.6**	**5.9**	**4.3**	**4.9**	**3.7**	-	**2.3**	**1.8**
Barium	Y	400	**120 J**	**61.2 J**	**48.8 J**	**62.7 J**	**54.9 J**	**31.4 J**	**56.3 J**	**71.2 J**	**86.3 J**	**93.1 J**	**51.2 J**	-	**38.8 J**	**32.4 J**
Beryllium	Y	590	< 0.57	< 0.49	< 0.57	< 0.55	< 0.58	< 0.59	< 0.57	**0.59**	< 0.59	< 0.54	< 0.6	-	< 0.56	< 0.56
Cadmium	Y	9.3	< 0.57	< 0.49	< 0.57	< 0.55	< 0.58	< 0.59	< 0.57	< 0.57	< 0.59	< 0.54	< 0.6	-	< 0.56	< 0.56
Calcium	Y	-	**71100**	**72600**	**36700**	**63800**	**71300 J**	**59800 J**	**29000**	**65900**	**63900**	**70200**	**49800**	-	**60100**	**66400**
Chromium	Y	400	**15.2**	**7.5**	**11.6**	**8**	**10.7 J**	**11.4 J**	**13.9**	**12.9**	**8.2**	**14.8**	**7**	-	**8.1**	**7.6**
Cobalt	Y	-	**8.7**	< 4.9	< 5.7	< 5.5	< 5.8	< 5.9	< 5.7	**5.9**	< 5.9	**7.3**	< 6	-	< 5.6	< 5.6
Copper	Y	270	**20.7**	**8.9**	**11.5**	**9.2**	**12.5**	**11.9**	**17.7**	**22**	**15.8**	**19.7**	**8.3**	-	**12.3**	**13.8**
Iron	Y	-	**17100 J**	**7460 J**	**8680 J**	**6740 J**	**12400**	**9330**	**16800 J**	**14900 J**	**10500 J**	**15600 J**	**7870 J**	-	**7710 J**	**6560 J**
Lead	Y	1000	**6.8 J**	**4.6 J**	**40.4 J**	**3.9 J**	**7.3 J**	**6 J**	**25 J**	**28.9 J**	**5.2 J**	**9.3 J**	**3.8 J**	-	**4.3 J**	**4.5 J**
Magnesium	Y	-	**20000 J**	**26900 J**	**14200 J**	**23400 J**	**42300 J**	**22600 J**	**18000 J**	**11300 J**	**26000 J**	**20100 J**	**19200 J**	-	**24200 J**	**25200 J**
Manganese	Y	10000	**511**	**289**	**296**	**291**	**268**	**329**	**330**	**332**	**359**	**321**	**368**	-	**334**	**294**
Mercury	Y	2.8	**0.034**	**0.006**	**0.136**	**0.014**	**0.01 J**	< 0.004 UJ	**0.057**	**0.158**	< 0.004	**0.009**	**0.006**	-	**0.01**	**0.011**
Nickel	Y	310	**19.1**	**7.5**	**9.2**	**7.4**	**10.4**	**7.9**	**13.5**	**15.6**	**10.5**	**17.5**	**8.4**	-	**9.3**	**7.8**
Potassium	Y	-	**3150**	**1080**	**1130**	**996**	**1030 J**	**646 J**	**1070**	**1410**	**1620**	**2850**	**943**	-	**1120**	**978**
Selenium	Y	1500	< 0.68	< 0.58	**0.7**	< 0.65	< 0.69	< 0.7	< 0.68	**0.77**	< 0.69	< 0.64	< 0.7	-	< 0.66	< 0.66
Silver	N	1500	< 1.1	< 0.98	< 1.1	< 1.1	< 1.2	< 1.2	< 1.1	< 1.1	< 1.2	< 1.1	< 1.2	-	< 1.1	< 1.1
Sodium	Y	-	**233**	**136**	**244**	**93.2**	**112**	**82**	**105**	**879**	**113**	**247**	**147**	-	**127**	**108**
Thallium	Y	-	< 1.1	< 0.98	< 1.1	< 1.1	< 1.2	< 1.2	< 1.1	< 1.1	< 1.2	< 1.1	< 1.2	-	< 1.1	< 1.1
Vanadium	Y	-	**18.5**	**7.4**	**11.1**	**6.9**	**17**	**10.5**	**16.8**	**19.7**	**9.9**	**19.2**	**8.4**	-	**8.5**	**7**
Zinc	Y	10000	**38.6**	**15.8**	**56.1**	**20.9**	**53.5 J**	**27.8 J**	**58.8**	**87.1**	**26.8**	**36.8**	**22.2**	-	**25.4**	**26.3**
PAHs (mg/kg)																
2-Methyl naphthalene	Y	-	< 0.39	< 0.35	**32**	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
Acenaphthene	Y	500	< 0.39	< 0.35	**9.6 J**	< 0.35	**0.68 J**	**0.013 J**	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
Acenaphthylene	Y	500	< 0.39	< 0.35	**70**	**0.009 J**	**1 J**	< 0.36	< 0.37	< 36	< 0.36	**0.019 J**	< 0.4	-	< 0.36	< 0.36
Anthracene	Y	500	< 0.39	< 0.35	**160**	**0.01 J**	**3.2**	**0.014 J**	**0.011 J**	**1.4 J**	< 0.36	**0.056 J**	< 0.4	-	< 0.36	< 0.36
Benzo(a)anthracene	Y	5.6	**0.014 J**	< 0.35	**260**	**0.02 J**	**6.9**	**0.041 J**	**0.035 J**	**7.1 J**	< 0.36	**0.14 J**	**0.02 J**	-	< 0.36	**0.008 J**
Benzo(a)pyrene	Y	1	< 0.39	< 0.35	**200**	**0.01 J**	**5.4**	**0.033 J**	**0.026 J**	**6.8 J**	< 0.36	**0.097 J**	**0.011 J**	-	< 0.36	< 0.36
Benzo(b)fluoranthene	Y	5.6	**0.01 J**	< 0.35	**250**	**0.012 J**	**7.9**	**0.032 J**	**0.023 J**	**11 J**	< 0.36	**0.11 J**	**0.018 J**	-	< 0.36	< 0.36
Benzo(g,h,i)perylene	Y	500	< 0.39	< 0.35	**81**	**0.011 J**	**2.8**	**0.019 J**	**0.02 J**	**3.1 J**	< 0.36 UJ	**0.054 J**	**0.01 J**	-	< 0.36	< 0.36
Benzo(k)fluoranthene	Y	56	< 0.39	< 0.35	**64**	**0.008 J**	< 1.9	**0.014 J**	**0.018 J**	< 36	< 0.36	**0.061 J**	< 0.4	-	< 0.36	< 0.36
Chrysene	Y	56	< 0.39	< 0.35	**210**	**0.011 J**	**5.1**	**0.035 J**	**0.029 J**	**4.2 J**	< 0.36	**0.11 J**	**0.015 J**	-	< 0.36	**0.008 J**
Dibenzo(a,h)anthracene	Y	0.56	< 0.39	< 0.35	**29**	< 0.35	**0.79 J**	< 0.36	< 0.37	**0.85 J**	< 0.36	**0.018 J**	< 0.4	-	< 0.36	< 0.36
Fluoranthene	Y	500	**0.016 J**	< 0.35	**560**	**0.023 J**	**14**	**0.069 J**	**0.062 J**	**7.9 J**	< 0.36	**0.22 J**	**0.036 J**	-	< 0.36	< 0.36
Fluorene	Y	500	< 0.39	< 0.35	**54**	< 0.35	**1.3 J**	< 0.36	< 0.37	< 36	< 0.36	**0.01 J**	< 0.4	-	< 0.36	**0.013 J**
Indeno(1,2,3-cd)pyrene	Y	5.6	< 0.39	< 0.35	**84**	**0.009 J**	**2.7**	**0.014 J**	**0.016 J**	**2.8 J**	< 0.36	**0.046 J**	**0.01 J**	-	< 0.36	< 0.36
Naphthalene	Y	500	< 0.39	< 0.35	**55**	< 0.35	< 1.9	< 0.36	**0.011 J**	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	**0.014 J**
Phenanthrene	Y	500	< 0.39	< 0.35	**380**	**0.016 J**	**7.8**	**0.045 J**	**0.042 J**	**3.4 J**	< 0.36	**0.2 J**	**0.013 J**	-	< 0.36	< 0.36
Pyrene	Y	500	**0.013 J**	< 0.35	**450**	**0.025 J**	**12**	**0.063 J**	**0.068 J**	**6.3 J**	< 0.36	**0.2 J**	**0.037 J**	-	< 0.36	< 0.36
Total PAHs	-	-	**0.053**	-	**2948.6**	**0.164**	**71.57**	**0.392**	**0.361**	**54.85**	-	**1.341**	**0.17**	-	-	**0.043**
SVOCs (mg/kg)																
2,2'-Oxybis(1-Chloropropane)	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2-oxybis(1-Chloropropane)	N	-	< 0.39	< 0.35	< 7.7	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
2,4,5-Trichlorophenol	N	-	< 0.39	< 0.35	< 7.7	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
2,4,6-Trichlorophenol	N	-	< 0.39	< 0.35	< 7.7	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
2,4-Dichlorophenol	N	-	< 0.39	< 0.35	< 7.7	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
2,4-Dimethylphenol	Y	-	< 0.39	< 0.35	< 7.7	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
2,4-Dinitrophenol	N	-	< 2 UJ	< 1.8	< 40 UJ	< 1.8 UJ	< 9.8 UJ	< 1.8 UJ	< 1.9 UJ	< 190	< 1.9	< 2 UJ	< 2.1 UJ	-	< 1.9 UJ	< 1.8 UJ
2,4-Dinitrotoluene	N	-	< 0.39	< 0.35	< 7.7	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
2,6-Dinitrotoluene	N	-	< 0.39	< 0.35	< 7.7	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36

TABLE 3-8
SUMMARY OF COMMERCIAL SUBSURFACE SOIL ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location	Detected?	NYSDEC	SB-07-02	SB-07-02	SB-07-03	SB-07-03	SB-07-05	SB-07-05	SB-07-06	SB-07-07	SB-07-07	SB-07-08	SB-07-08	SB-07-09	SB-07-10	SB-07-10
Sample Depth		Part 375	20 - 22 ft	32 - 33 ft	4 - 6 ft	10 - 12 ft	4 - 6 ft	10 - 10.9 ft	8 - 10 ft	2 - 6 ft	22 - 24 ft	7 - 10 ft	22.8 - 24 ft	8 - 8.5 ft	4 - 6 ft	6 - 8 ft
Sample Date		Commercial	9/26/2007	9/26/2007	9/24/2007	9/24/2007	9/21/2007	9/21/2007	9/24/2007	9/27/2007	9/27/2007	9/26/2007	9/27/2007	9/24/2007	9/25/2007	9/25/2007
Sample Type		SCO														
Sample Name		(mg/kg)	SB-07-02(20-22)	SB-07-02(32-33)	SB-07-03(4-6)	SB-07-03(10-12)	SB-07-05(4-6)	SB-07-05(10-10.9)	SB-07-06(8-10)	SB-07-07(2-6)	SB-07-07(22-24)	SB-07-08(7-10)	SB-07-08(22.8-24)	SB-07-09(8-8.5)	SB-07-10(4-6)	SB-07-10(6-8)
2-Chloronaphthalene	N	-	< 0.39	< 0.35	< 7.7	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
2-Chlorophenol	N	-	< 0.39	< 0.35	< 7.7	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
2-Methylphenol	Y	500	< 0.39	< 0.35	< 7.7	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
2-Nitroaniline	N	-	< 2	< 1.8	< 40	< 1.8	< 9.8	< 1.8	< 1.9	< 190	< 1.9	< 2	< 2.1	-	< 1.9	< 1.8
2-Nitrophenol	N	-	< 0.39	< 0.35	< 7.7	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
3,3-Dichlorobenzidine	N	-	< 0.39	< 0.35	< 7.7	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
3-Nitroaniline	N	-	< 2	< 1.8	< 40	< 1.8	< 9.8	< 1.8	< 1.9	< 190	< 1.9	< 2	< 2.1	-	< 1.9	< 1.8
4,6-Dinitro-2-methylphenol	N	-	< 2 UJ	< 1.8	< 40 UJ	< 1.8 UJ	< 9.8	< 1.8	< 1.9 UJ	< 190	< 1.9	< 2 UJ	< 2.1 UJ	-	< 1.9 UJ	< 1.8 UJ
4-Bromophenyl phenyl ether	N	-	< 0.39	< 0.35	< 7.7	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
4-Chloro-3-methylphenol	N	-	< 0.39	< 0.35	< 7.7	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
4-Chloroaniline	N	-	< 0.39	< 0.35	< 7.7	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
4-Chlorophenyl phenyl ether	N	-	< 0.39	< 0.35	< 7.7	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
4-Methylphenol	Y	500	< 0.39	< 0.35	**0.5 J**	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
4-Nitroaniline	N	-	< 2	< 1.8	< 40	< 1.8	< 9.8	< 1.8	< 1.9	< 190	< 1.9	< 2	< 2.1	-	< 1.9	< 1.8
4-Nitrophenol	N	-	< 2 UJ	< 1.8	< 40 UJ	< 1.8 UJ	< 9.8 UJ	< 1.8 UJ	< 1.9 UJ	< 190	< 1.9	< 2 UJ	< 2.1 UJ	-	< 1.9 UJ	< 1.8 UJ
Acetophenone	N	-	< 0.39	< 0.35	< 7.7	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
Atrazine	N	-	< 0.39	< 0.35	< 7.7	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
Benzaldehyde	Y	-	< 0.39	< 0.35	< 7.7	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
Biphenyl	Y	-	< 0.39	< 0.35	**6.3 J**	< 0.35	**0.08 J**	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
bis(2-Chloroethoxy)methane	N	-	< 0.39	< 0.35	< 7.7	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
bis(2-Chloroethyl)ether	N	-	< 0.39	< 0.35	< 7.7	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
bis(2-Ethylhexyl)phthalate	Y	-	< 0.39	**0.18 J**	< 7.7	< 0.35	< 1.9	**0.16 J**	< 0.37	< 36	< 0.36	**0.13 J**	< 0.4	-	< 0.36	**0.12 J**
Butyl benzylphthalate	N	-	< 0.39	< 0.35	< 7.7	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
Caprolactam	N	-	< 2	< 1.8	< 40	< 1.8	< 9.8	< 1.8	< 1.9	< 190	< 1.9	< 2	< 2.1	-	< 1.9	< 1.8
Carbazole	Y	-	< 0.39	< 0.35	**21**	< 0.35	**0.3 J**	< 0.36	< 0.37	< 36	< 0.36	**0.011 J**	< 0.4	-	< 0.36	**0.11 J**
Dibenzofuran	Y	350	< 0.39	< 0.35	**43**	< 0.35	**0.76 J**	**0.011 J**	< 0.37	< 36	< 0.36	**0.018 J**	< 0.4	-	< 0.36	< 0.36
Diethyl phthalate	N	-	< 0.39	< 0.35	< 7.7	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
Dimethyl phthalate	N	-	< 0.39	< 0.35	< 7.7	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
Di-n-butylphthalate	N	-	< 0.39	< 0.35	< 7.7	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
Di-n-octyl phthalate	Y	-	**0.013 J**	< 0.35	< 7.7	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	**0.01 J**	-	< 0.36	< 0.36
Hexachlorobenzene	N	6	< 0.39	< 0.35	< 7.7	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
Hexachlorobutadiene	N	-	< 0.39	< 0.35	< 7.7	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
Hexachlorocyclopentadiene	N	-	< 0.39	< 0.35	< 7.7	< 0.35	< 1.9 UJ	< 0.36 UJ	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
Hexachloroethane	N	-	< 0.39	< 0.35	< 7.7	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
Isophorone	N	-	< 0.39	< 0.35	< 7.7	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
Nitrobenzene	N	-	< 0.39	< 0.35	< 7.7	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
N-Nitrosodi-n-propylamine	N	-	< 0.39	< 0.35	< 7.7	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
N-Nitrosodiphenylamine	N	-	< 0.39	< 0.35	< 7.7	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
Pentachlorophenol	N	6.7	< 0.39	< 0.35	< 7.7	< 0.35	< 1.9 UJ	< 0.36 UJ	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
Phenol	Y	500	< 0.39	< 0.35	< 7.7	< 0.35	< 1.9	< 0.36	< 0.37	< 36	< 0.36	< 0.39	< 0.4	-	< 0.36	< 0.36
VOCs (mg/kg)																
1,1,1-Trichloroethane	N	500	< 0.007	< 0.0053	< 0.0055	< 0.0054	< 0.006	< 0.0055	< 0.0074	< 0.0055	< 0.0053	< 0.0056	< 0.0062	< 0.0057	< 0.0055	< 0.0053
1,1,2,2-Tetrachloroethane	N	-	< 0.007	< 0.0053	< 0.0055	< 0.0054	< 0.006	< 0.0055	< 0.0074	< 0.0055	< 0.0053	< 0.0056	< 0.0062	< 0.0057	< 0.0055	< 0.0053
1,1,2-Trichloroethane	N	-	< 0.007	< 0.0053	< 0.0055	< 0.0054	< 0.006	< 0.0055	< 0.0074	< 0.0055	< 0.0053	< 0.0056	< 0.0062	< 0.0057	< 0.0055	< 0.0053
1,1-Dichloroethane	N	240	< 0.007	< 0.0053	< 0.0055	< 0.0054	< 0.006	< 0.0055	< 0.0074	< 0.0055	< 0.0053	< 0.0056	< 0.0062	< 0.0057	< 0.0055	< 0.0053
1,1-Dichloroethene	N	500	< 0.007 UJ	< 0.0053 UJ	< 0.0055 UJ	< 0.0054 UJ	< 0.006	< 0.0055	< 0.0074 UJ	< 0.0055 UJ	< 0.0053 UJ	< 0.0056 UJ	< 0.0062 UJ	< 0.0057 UJ	< 0.0055 UJ	< 0.0053 UJ
1,2,4-Trichlorobenzene	N	-	< 0.007	< 0.0053	< 0.0055	< 0.0054	< 0.006	< 0.0055	< 0.0074	< 0.0055	< 0.0053	< 0.0056	< 0.0062	< 0.0057	< 0.0055	< 0.0053
1,2-Dibromo-3-chloropropane (DBCP)	N	-	< 0.007	< 0.0053	< 0.0055	< 0.0054	< 0.006	< 0.0055	< 0.0074	< 0.0055	< 0.0053	< 0.0056	< 0.0062	< 0.0057	< 0.0055	< 0.0053
1,2-Dibromoethane	N	-	< 0.007	< 0.0053	< 0.0055	< 0.0054	< 0.006	< 0.0055	< 0.0074	< 0.0055	< 0.0053	< 0.0056	< 0.0062	< 0.0057	< 0.0055	< 0.0053
1,2-Dichlorobenzene	N	500	< 0.007	< 0.0053	< 0.0055	< 0.0054	< 0.006	< 0.0055	< 0.0074	< 0.0055	< 0.0053	< 0.0056	< 0.0062	< 0.0057	< 0.0055	< 0.0053
1,2-Dichloroethane	N	30	< 0.007	< 0.0053	< 0.0055	< 0.0054	< 0.006	< 0.0055	< 0.0074	< 0.0055	< 0.0053	< 0.0056	< 0.0062	< 0.0057	< 0.0055	< 0.0053
1,2-Dichloropropane	N	-	< 0.007	< 0.0053	< 0.0055	< 0.0054	< 0.006	< 0.0055	< 0.0074	< 0.0055	< 0.0053	< 0.0056	< 0.0062	< 0.0057	< 0.0055	< 0.0053
1,3-Dichlorobenzene	N	280	< 0.007	< 0.0053	< 0.0055	< 0.0054	< 0.006	< 0.0055	< 0.0074	< 0.0055	< 0.0053	< 0.0056	< 0.0062	< 0.0057	< 0.0055	< 0.0053
1,4-Dichlorobenzene	N	130	< 0.007	< 0.0053	< 0.0055	< 0.0054	< 0.006	< 0.0055	< 0.0074	< 0.0055	< 0.0053	< 0.0056	< 0.0062	< 0.0057	< 0.0055	< 0.0053
2-Butanone	Y	500	< 0.014	< 0.01	< 0.011	< 0.011	**0.006 J**	< 0.011	< 0.015	< 0.011	< 0.011	< 0.011	< 0.012	< 0.011	< 0.011	< 0.01
2-Hexanone	N	-	< 0.014	< 0.01	< 0.011	< 0.011	< 0.012	< 0.011	< 0.015	< 0.011	< 0.011	< 0.011	< 0.012	< 0.011	< 0.011	< 0.01
4-Methyl-2-pentanone	N	-	< 0.014	< 0.01	< 0.011	< 0.011	< 0.012	< 0.011	< 0.015	< 0.011	< 0.011	< 0.011	< 0.012	< 0.011	< 0.011	< 0.01

TABLE 3-8
SUMMARY OF COMMERCIAL SUBSURFACE SOIL ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location	Detected?	NYSDEC	SB-07-02	SB-07-02	SB-07-03	SB-07-03	SB-07-05	SB-07-05	SB-07-06	SB-07-07	SB-07-07	SB-07-08	SB-07-08	SB-07-09	SB-07-10	SB-07-10
Sample Depth		Part 375	20 - 22 ft	32 - 33 ft	4 - 6 ft	10 - 12 ft	4 - 6 ft	10 - 10.9 ft	8 - 10 ft	2 - 6 ft	22 - 24 ft	7 - 10 ft	22.8 - 24 ft	8 - 8.5 ft	4 - 6 ft	6 - 8 ft
Sample Date		Commercial	9/26/2007	9/26/2007	9/24/2007	9/24/2007	9/21/2007	9/21/2007	9/24/2007	9/27/2007	9/27/2007	9/26/2007	9/27/2007	9/24/2007	9/25/2007	9/25/2007
Sample Type		SCO														
Sample Name		(mg/kg)	SB-07-02(20-22)	SB-07-02(32-33)	SB-07-03(4-6)	SB-07-03(10-12)	SB-07-05(4-6)	SB-07-05(10-10.9)	SB-07-06(8-10)	SB-07-07(2-6)	SB-07-07(22-24)	SB-07-08(7-10)	SB-07-08(22.8-24)	SB-07-09(8-8.5)	SB-07-10(4-6)	SB-07-10(6-8)
Acetone	Y	500	< 0.028	< 0.025	< 0.022	< 0.022	**0.057**	**0.023**	< 0.03	< 0.022	< 0.021	< 0.022	< 0.025	< 0.023	< 0.026	< 0.021
Benzene	Y	44	< 0.007 UJ	**0.26**	< 0.0055 UJ	< 0.0054 UJ	< 0.006	< 0.0055	< 0.0074 UJ	< 0.0055 UJ	< 0.0053 UJ	< 0.0056 UJ	< 0.0062 UJ	**0.0014 J**	< 0.0055 UJ	< 0.0053 UJ
Bromodichloromethane	N	-	< 0.007	< 0.0053	< 0.0055	< 0.0054	< 0.006	< 0.0055	< 0.0074	< 0.0055	< 0.0053	< 0.0056	< 0.0062	< 0.0057	< 0.0055	< 0.0053
Bromoform	N	-	< 0.007	< 0.0053	< 0.0055	< 0.0054	< 0.006	< 0.0055	< 0.0074	< 0.0055	< 0.0053	< 0.0056	< 0.0062	< 0.0057	< 0.0055	< 0.0053
Bromomethane	N	-	< 0.007 R	< 0.0053 R	< 0.0055	< 0.0054	< 0.006	< 0.0055	< 0.0074	< 0.0055 R	< 0.0053 R	< 0.0056	< 0.0062 R	< 0.0057	< 0.0055	< 0.0053
Carbon disulfide	Y	-	**0.0019 J**	**0.0016 J**	**0.0017 J**	**0.0017 J**	**0.0012 J**	**0.0018 J**	**0.0021 J**	< 0.011	**0.0011 J**	< 0.011	**0.0018 J**	**0.0024 J**	**0.002 J**	**0.0019 J**
Carbon tetrachloride	N	22	< 0.007	< 0.0053	< 0.0055	< 0.0054	< 0.006	< 0.0055	< 0.0074	< 0.0055	< 0.0053	< 0.0056	< 0.0062	< 0.0057	< 0.0055	< 0.0053
Chlorobenzene	Y	500	< 0.007 UJ	< 0.0053 UJ	< 0.0055 UJ	< 0.0054 UJ	< 0.006 UJ	< 0.0055 UJ	< 0.0074 UJ	< 0.0055 UJ	< 0.0053 UJ	< 0.0056 UJ	< 0.0062 UJ	< 0.0057 UJ	< 0.0055 UJ	< 0.0053 UJ
Chloroethane	N	-	< 0.007	< 0.0053	< 0.0055 UJ	< 0.0054 UJ	< 0.006	< 0.0055	< 0.0074 UJ	< 0.0055	< 0.0053	< 0.0056	< 0.0062 UJ	< 0.0057 UJ	< 0.0055 UJ	< 0.0053 UJ
Chloroform	Y	350	< 0.007	< 0.0053	< 0.0055	< 0.0054	< 0.006	< 0.0055	< 0.0074	< 0.0055	< 0.0053	< 0.0056	< 0.0062	**0.0012 J**	**0.0011 J**	**0.0012 J**
Chloromethane	N	-	< 0.007	< 0.0053	< 0.0055	< 0.0054	< 0.006	< 0.0055	< 0.0074	< 0.0055	< 0.0053	< 0.0056	< 0.0062	< 0.0057	< 0.0055	< 0.0053
cis-1,2-Dichloroethene	N	500	< 0.007	< 0.0053	< 0.0055	< 0.0054	< 0.006	< 0.0055	< 0.0074	< 0.0055	< 0.0053	< 0.0056	< 0.0062	< 0.0057	< 0.0055	< 0.0053
cis-1,3-Dichloropropene	N	-	< 0.007	< 0.0053	< 0.0055	< 0.0054	< 0.006	< 0.0055	< 0.0074	< 0.0055	< 0.0053	< 0.0056	< 0.0062	< 0.0057	< 0.0055	< 0.0053
Cyclohexane	Y	-	< 0.014	< 0.01	< 0.011	< 0.011	< 0.012	< 0.011	< 0.015	< 0.011	< 0.011	< 0.011	< 0.012	< 0.011	< 0.011	< 0.01
Dibromochloromethane	N	-	< 0.007	< 0.0053	< 0.0055	< 0.0054	< 0.006	< 0.0055	< 0.0074	< 0.0055	< 0.0053	< 0.0056	< 0.0062	< 0.0057	< 0.0055	< 0.0053
Dichlorodifluoromethane (CFC-12)	N	-	< 0.007	< 0.0053	< 0.0055	< 0.0054	< 0.006	< 0.0055	< 0.0074	< 0.0055	< 0.0053	< 0.0056	< 0.0062	< 0.0057	< 0.0055	< 0.0053
Ethylbenzene	Y	390	< 0.007	< 0.0053	< 0.0055	< 0.0054	< 0.006	< 0.0055	< 0.0074	< 0.0055	< 0.0053	< 0.0056	< 0.0062	< 0.0057	< 0.0055	< 0.0053
Isopropylbenzene	Y	-	< 0.007	< 0.0053	< 0.0055	< 0.0054	< 0.006	< 0.0055	< 0.0074	< 0.0055	< 0.0053	< 0.0056	< 0.0062	< 0.0057	< 0.0055	< 0.0053
Methyl acetate	N	-	< 0.014	< 0.01	< 0.011	< 0.011	< 0.012	< 0.011	< 0.015	< 0.011	< 0.011	< 0.011	< 0.012	< 0.011	< 0.011	< 0.01
Methyl cyclohexane	Y	-	< 0.014	< 0.01	< 0.011	< 0.011	< 0.012	< 0.011	< 0.015	< 0.011	< 0.011	< 0.011	< 0.012	< 0.011	< 0.011	< 0.01
Methyl tert butyl ether (MTBE)	Y	500	< 0.007	< 0.0053	< 0.0055	< 0.0054	**0.0013 J**	< 0.0055	< 0.0074	< 0.0055	< 0.0053	< 0.0056	< 0.0062	< 0.0057	< 0.0055	< 0.0053
Methylene chloride	Y	500	**0.044**	< 0.02	< 0.022	< 0.018	< 0.014	< 0.021	< 0.027	< 0.0059	< 0.0091	< 0.02	< 0.02	< 0.026	< 0.02	< 0.019
Styrene	Y	-	< 0.007	< 0.0053	< 0.0055	< 0.0054	< 0.006	< 0.0055	< 0.0074	< 0.0055	< 0.0053	< 0.0056	< 0.0062	< 0.0057	< 0.0055	< 0.0053
Tetrachloroethene	N	150	< 0.007	< 0.0053	< 0.0055	< 0.0054	< 0.006	< 0.0055	< 0.0074	< 0.0055	< 0.0053	< 0.0056	< 0.0062	< 0.0057	< 0.0055	< 0.0053
Toluene	Y	500	< 0.007 UJ	< 0.0053 UJ	< 0.0055 UJ	< 0.0054 UJ	< 0.006 UJ	< 0.0055 UJ	< 0.0074 UJ	< 0.0055 UJ	< 0.0053 UJ	< 0.0056 UJ	< 0.0062 UJ	< 0.0057 UJ	< 0.0055 UJ	< 0.0053 UJ
trans-1,2-Dichloroethene	N	500	< 0.007	< 0.0053	< 0.0055	< 0.0054	< 0.006	< 0.0055	< 0.0074	< 0.0055	< 0.0053	< 0.0056	< 0.0062	< 0.0057	< 0.0055	< 0.0053
trans-1,3-Dichloropropene	N	-	< 0.007	< 0.0053	< 0.0055	< 0.0054	< 0.006	< 0.0055	< 0.0074	< 0.0055	< 0.0053	< 0.0056	< 0.0062	< 0.0057	< 0.0055	< 0.0053
Trichloroethene	N	200	< 0.007 UJ	< 0.0053 UJ	< 0.0055 UJ	< 0.0054 UJ	< 0.006	< 0.0055	< 0.0074 UJ	< 0.0055 UJ	< 0.0053 UJ	< 0.0056 UJ	< 0.0062 UJ	< 0.0057 UJ	< 0.0055 UJ	< 0.0053 UJ
Trichlorofluoromethane (CFC-11)	Y	-	< 0.007	< 0.0053	< 0.0055	< 0.0054	< 0.006	< 0.0055	< 0.0074	< 0.0055	< 0.0053	< 0.0056	< 0.0062	< 0.0057	< 0.0055	< 0.0053
Trifluorotrichloroethane (Freon 113)	N	-	< 0.007	< 0.0053	< 0.0055	< 0.0054	< 0.006	< 0.0055	< 0.0074	< 0.0055	< 0.0053	< 0.0056	< 0.0062	< 0.0057	< 0.0055	< 0.0053
Vinyl chloride	N	13	< 0.007	< 0.0053	< 0.0055	< 0.0054	< 0.006	< 0.0055	< 0.0074	< 0.0055	< 0.0053	< 0.0056	< 0.0062	< 0.0057	< 0.0055	< 0.0053
Xylenes (total)	Y	500	< 0.021	< 0.016	**0.0035 J**	< 0.016	< 0.018	< 0.016	< 0.022	< 0.016	< 0.016	< 0.017	< 0.018	< 0.017	< 0.017	< 0.016

Notes and Abbreviations:
1. Orange shading indicates result exceeds NYSDEC Part 375 Restricted Use Soil Cleanup Objectives for Commercial.
2. *Gray* shading indicates Reporting Detection Limit exceeds NYSDEC Part 375 Restricted Use Soil Cleanup Objectives for Commercial.
3. <: Compound not detected above the indicated reporting limit.
   J: Estimated result.
   R: Rejected result.
   UJ: Non-detect, reporting limit is estimated.
4. Detected compounds are in bold.

TABLE 3-8
SUMMARY OF COMMERCIAL SUBSURFACE SOIL ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location	Detected?	NYSDEC	SB-08-01	SB-08-01	SB-08-02	SB-08-02	SB-08-03	SB-08-03	SB-08-03	TP-07-01	TP-07-01	TP-07-02	TP-07-02	TP-07-03N	TP-07-03S	TP-07-04
Sample Depth		Part 375	11 - 13 ft	19 - 20.2 ft	5 - 6 ft	19 - 19.4 ft	7.5 - 9.5 ft	21 - 23 ft	27 - 29.3 ft	4.5 - 5 ft	6.5 - 8.5 ft	7.6 - 8 ft	10 - 11 ft	5.7 - 6 ft	4 - 5 ft	1 - 2 ft
Sample Date		Commercial	3/3/2008	3/4/2008	3/4/2008	3/4/2008	3/5/2008	3/5/2008	3/6/2008	9/20/2007	9/20/2007	9/19/2007	9/19/2007	9/19/2007	9/19/2007	9/21/2007
Sample Type		SCO														
Sample Name		(mg/kg)	SB-08-01(11-13)	SB-08-01(19-20.2)	SB-08-02(5-6)	SB-08-02(19-19.4)	SB-08-03(7.5-9.5)	SB-08-03 (21-23)	SB-08-03 (27-29.3)	TP-07-01(4.5-5)	TP-07-01(6.5-8.5)	TP-07-02(7.6-8)	TP-07-02(10-11)	TP-07-03N(5.7-6)	TP-07-03S(4-5)	TP-07-04(1-2)
Cyanide (mg/kg)																
Cyanide (total)	Y	27	< 0.757	< 1.27	< 1.02	< 1.2	**4.58**	**0.972**	< 0.839	< 0.93 R	< 0.864 R	**8.28**	< 1.04	< 0.937	**11.3**	**8.68 J**
Metals (mg/kg)																
Aluminum	Y	-	**9670 J**	**4620 J**	**6540 J**	**1870 J**	**7530 J**	**11600 J**	**3680 J**	**10900**	**8950**	**7980**	**8950**	**12100**	**9190**	**10400**
Antimony	Y	-	< 7.7 UJ	**36.5 J**	< 7 UJ	< 8.2 UJ	< 7.5 UJ	< 6.9 UJ	< 6.9 UJ	< 7.2	< 7.2	< 6.5	< 6.6	< 7.1	< 7	< 9.3
Arsenic	Y	16	**6.6**	**16.4**	**4.4**	**5.8**	**32.2**	**6.7**	**2.5**	**4.9**	**5.3**	**8.5**	**3.9**	**5**	**5.6**	**20.4**
Barium	Y	400	**80.8 J**	**52.1 J**	**78.3 J**	**142 J**	**46.3 J**	**112 J**	**46.3 J**	**71 J**	**74.9 J**	**86.7**	**84.6**	**68.1**	**61.8**	**309 J**
Beryllium	Y	590	< 0.64	< 0.75	< 0.59	< 0.69	< 0.63	**0.59**	< 0.57	< 0.6	< 0.6	< 0.54	< 0.55	< 0.59	< 0.59	< 0.77
Cadmium	Y	9.3	< 0.64	< 0.75	< 0.59	< 0.69	< 0.63	< 0.57	< 0.57	< 0.6	< 0.6	< 0.54	< 0.55	< 0.59	< 0.59	< 0.77
Calcium	Y	-	**44700**	**35000**	**63000**	**29100**	**28200**	**74000**	**74900**	**7500 J**	**73400 J**	**62600**	**63500**	**55200**	**48600**	**38400 J**
Chromium	Y	400	**14**	**45**	**9.9**	**8**	**7.7**	**19**	**6.2**	**14 J**	**13.1 J**	**11.3**	**13.6**	**13**	**11.6**	**13.9 J**
Cobalt	Y	-	**7.3**	**48.5**	< 5.9	< 6.9	< 6.3	**9.4**	< 5.7	**8.9**	**8.6**	**7.6**	**6.3**	**7**	**10.9**	< 7.7
Copper	Y	270	**45.8 J**	**57.4 J**	**63.2 J**	**31.9 J**	**18.7 J**	**17.5 J**	**7.9 J**	**9**	**21.4**	**20.8**	**20.3**	**17.1**	**18.5**	**74.1**
Iron	Y	-	**16200**	**27700**	**10700**	**24100**	**8910**	**19200**	**8020**	**17000**	**16600**	**12400**	**16500**	**19400**	**21500**	**20700**
Lead	Y	1000	**47.4**	**367**	**96**	**21.6**	**38.6**	**9.1**	**4.7**	**10.9 J**	**25.2 J**	**22.5**	**6.4**	**7.4**	**77.2**	**261 J**
Magnesium	Y	-	**15500**	**2920**	**18100**	**722**	**6220**	**18700**	**25200**	**4020 J**	**24400 J**	**18800**	**21300**	**21300**	**15500**	**5910 J**
Manganese	Y	10000	**442**	**277**	**337**	**250**	**217**	**499**	**403**	**473**	**453**	**391**	**385**	**413**	**669**	**1170**
Mercury	Y	2.8	< 0.013	**0.467**	**0.133**	**0.397**	**0.144**	**0.008**	**0.009**	**0.023 J**	**0.014 J**	**0.068 J**	**0.018 J**	< 0.005 UJ	**0.11 J**	**1.6 J**
Nickel	Y	310	**15.1**	**30.2**	**12**	**7.2**	**9.4**	**21.1**	**7.5**	**12.2**	**15.4**	**13.4**	**15.3**	**16**	**15.3**	**18.7**
Potassium	Y	-	**2470**	**1200**	**1820**	**410**	**1190**	**2900**	**1110**	**997 J**	**1710 J**	**1560**	**1580**	**1990**	**1150**	**1240 J**
Selenium	Y	1500	< 0.75	< 0.88	< 0.69	< 0.81	< 0.74	< 0.68	< 0.68	< 0.71	< 0.7	< 0.64	< 0.64	< 0.7	< 0.69	**1.6**
Silver	N	1500	< 1.3	< 1.5	< 1.2	< 1.4	< 1.3	< 1.1	< 1.1	< 1.2	< 1.2	< 1.1	< 1.1	< 1.2	< 1.2	< 1.5
Sodium	Y	-	**192**	**2490**	**135**	**160**	**374**	**282**	**163**	**102**	**140**	**209**	**137**	**609**	**321**	**549**
Thallium	Y	-	< 1.3	< 1.5	< 1.2	< 1.4	< 1.3	< 5.7	< 5.7	< 1.2	< 1.2	< 1.1	< 1.1	< 1.2	< 1.2	< 1.5
Vanadium	Y	-	**18.3**	**15**	**12.2**	**15.5**	**13.3**	**22.3**	**8.2**	**19.5**	**17.9**	**15.8**	**18.9**	**16.2**	**18.3**	**26.6**
Zinc	Y	10000	**77.9**	**152**	**198**	**232**	**46.7**	**49.8**	**16.3**	**45 J**	**41.2 J**	**36.7 J**	**35 J**	**34.8 J**	**40.4 J**	**111 J**
PAHs (mg/kg)																
2-Methyl naphthalene	Y	-	**0.84 J**	< 4.9	< 3.9	**0.26 J**	**5.8 J**	**16**	**0.014 J**	**140**	**78**	**110**	**0.064 J**	< 0.38	< 2	**5.7 J**
Acenaphthene	Y	500	**0.68 J**	**0.13 J**	< 3.9	**0.21 J**	**2.5 J**	**1.6 J**	< 0.35	**80**	**10**	**13**	**0.1 J**	< 0.38	**0.12 J**	**11 J**
Acenaphthylene	Y	500	**0.35 J**	**0.27 J**	< 3.9	**1.9 J**	**22**	**4.8**	**0.008 J**	**42**	**42**	**37**	**0.043 J**	< 0.38	**0.17 J**	**60**
Anthracene	Y	500	**2.2 J**	**1.1 J**	**0.35 J**	**1.7 J**	**40**	**7.9**	**0.015 J**	**93**	**43**	**87**	**0.18 J**	< 0.38	**0.55 J**	**180**
Benzo(a)anthracene	Y	5.6	**3.1 J**	**3.1 J**	**2.5 J**	**6.9 J**	**130**	**6.2**	**0.033 J**	**56**	**29**	**59**	**0.15 J**	**0.032 J**	**1.8 J**	**420**
Benzo(a)pyrene	Y	1	**2.3 J**	**2.1 J**	**1.8 J**	**7.2 J**	**110**	**4**	**0.021 J**	**33**	**16**	**49**	**0.1 J**	**0.03 J**	**1.4 J**	**330**
Benzo(b)fluoranthene	Y	5.6	**2.7 J**	**2.4 J**	**1.8 J**	**9.7**	**120**	**4.1**	**0.026 J**	**46**	**24**	**52**	**0.15 J**	**0.043 J**	**2.3**	**400**
Benzo(g,h,i)perylene	Y	500	**1.5 J**	**1.4 J**	**1.1 J**	**6.4 J**	**73**	**1.7 J**	**0.014 J**	**7.8**	**5.6**	**19**	**0.064 J**	**0.026 J**	**1 J**	**160**
Benzo(k)fluoranthene	Y	56	**1 J**	**0.96 J**	**0.61 J**	**3.8 J**	**55**	**2 J**	**0.011 J**	< 4.1	< 4	**20**	< 0.37	**0.014 J**	< 2	**120**
Chrysene	Y	56	**2.6 J**	**2.6 J**	**2.6 J**	**8.4 J**	**99**	**5.1**	**0.026 J**	**44**	**23**	**46**	**0.088 J**	**0.02 J**	**1.6 J**	**350**
Dibenzo(a,h)anthracene	Y	0.56	**0.43 J**	**0.43 J**	**0.38 J**	**1.8 J**	**24**	**0.64 J**	< 0.35	**3.5 J**	**2.6 J**	**6.1**	**0.016 J**	< 0.38	**0.26 J**	**57**
Fluoranthene	Y	500	**8.1**	**5**	**2.6 J**	**20**	**240**	**12**	**0.056 J**	**110**	**53**	**170**	**0.47**	**0.032 J**	**4.2**	**730**
Fluorene	Y	500	**1.7 J**	**0.38 J**	< 3.9	**1 J**	**15 J**	**8.8**	**0.01 J**	**120**	**54**	**82**	**0.22 J**	< 0.38	**0.17 J**	**31 J**
Indeno(1,2,3-cd)pyrene	Y	5.6	**1.4 J**	**1.3 J**	**0.89 J**	**5.6 J**	**72**	**1.7 J**	**0.014 J**	**7.8**	**5.8**	**19**	**0.057 J**	**0.022 J**	**0.9 J**	**170**
Naphthalene	Y	500	**0.93 J**	**0.21 J**	< 3.9	**0.7 J**	**11 J**	**33**	**0.038 J**	**290**	**100**	**390**	**0.54**	< 0.38	**0.046 J**	**14 J**
Phenanthrene	Y	500	**11**	**3.9 J**	**1.1 J**	**17**	**100**	**21**	**0.05 J**	**230**	**110**	**270**	**0.94**	**0.01 J**	**2.6**	**250**
Pyrene	Y	500	**6.5**	**5**	**4.9**	**15**	**200**	**9.7**	**0.047 J**	**86**	**46**	**130**	**0.39**	**0.039 J**	**4.1**	**640**
Total PAHs	-	-	**47.33**	**30.28**	**20.63**	**107.57**	**1319.3**	**140.24**	**0.383**	**1389.1**	**642**	**1559.1**	**3.572**	**0.268**	**21.216**	**3928.7**
SVOCs (mg/kg)																
2,2'-Oxybis(1-Chloropropane)	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2-oxybis(1-Chloropropane)	N	-	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	< 0.35	< 4.1	< 4	< 3.6	< 0.37	< 0.38	< 2	< 51
2,4,5-Trichlorophenol	N	-	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	< 0.35	< 4.1	< 4	< 3.6	< 0.37	< 0.38	< 2	< 51
2,4,6-Trichlorophenol	N	-	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	< 0.35	< 4.1	< 4	< 3.6	< 0.37	< 0.38	< 2	< 51
2,4-Dichlorophenol	N	-	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	< 0.35	< 4.1	< 4	< 3.6	< 0.37	< 0.38	< 2	< 51
2,4-Dimethylphenol	Y	-	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	< 0.35	< 4.1	< 4	**1.5 J**	< 0.37	< 0.38	< 2	< 51
2,4-Dinitrophenol	N	-	< 20	< 25	< 20	< 49	< 100	< 20	< 1.8	< 21 UJ	< 21 UJ	< 19 UJ	< 1.9 UJ	< 2 UJ	< 10 UJ	< 260 UJ
2,4-Dinitrotoluene	N	-	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	< 0.35	< 4.1	< 4	< 3.6	< 0.37	< 0.38	< 2	< 51
2,6-Dinitrotoluene	N	-	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	< 0.35	< 4.1	< 4	< 3.6	< 0.37	< 0.38	< 2	< 51

TABLE 3-8
SUMMARY OF COMMERCIAL SUBSURFACE SOIL ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location	Detected?	NYSDEC	SB-08-01	SB-08-01	SB-08-02	SB-08-02	SB-08-03	SB-08-03	SB-08-03	TP-07-01	TP-07-01	TP-07-02	TP-07-02	TP-07-03N	TP-07-03S	TP-07-04
Sample Depth		Part 375	11 - 13 ft	19 - 20.2 ft	5 - 6 ft	19 - 19.4 ft	7.5 - 9.5 ft	21 - 23 ft	27 - 29.3 ft	4.5 - 5 ft	6.5 - 8.5 ft	7.6 - 8 ft	10 - 11 ft	5.7 - 6 ft	4 - 5 ft	1 - 2 ft
Sample Date		Commercial	3/3/2008	3/4/2008	3/4/2008	3/4/2008	3/5/2008	3/5/2008	3/6/2008	9/20/2007	9/20/2007	9/19/2007	9/19/2007	9/19/2007	9/19/2007	9/21/2007
Sample Type		SCO														
Sample Name		(mg/kg)	SB-08-01(11-13)	SB-08-01(19-20.2)	SB-08-02(5-6)	SB-08-02(19-19.4)	SB-08-03(7.5-9.5)	SB-08-03 (21-23)	SB-08-03 (27-29.3)	TP-07-01(4.5-5)	TP-07-01(6.5-8.5)	TP-07-02(7.6-8)	TP-07-02(10-11)	TP-07-03N(5.7-6)	TP-07-03S(4-5)	TP-07-04(1-2)
2-Chloronaphthalene	N	-	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	< 0.35	< 4.1	< 4	< 3.6	< 0.37	< 0.38	< 2	< 51
2-Chlorophenol	N	-	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	< 0.35	< 4.1	< 4	< 3.6	< 0.37	< 0.38	< 2	< 51
2-Methylphenol	Y	500	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	< 0.35	**0.11 J**	< 4	**1.2 J**	< 0.37	< 0.38	< 2	< 51
2-Nitroaniline	N	-	< 20	< 25	< 20	< 49	< 100	< 20	< 1.8	< 21	< 21	< 19	< 1.9	< 2	< 10	< 260
2-Nitrophenol	N	-	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	< 0.35	< 4.1	< 4	< 3.6	< 0.37	< 0.38	< 2	< 51
3,3-Dichlorobenzidine	N	-	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	< 0.35	< 4.1	< 4	< 3.6	< 0.37	< 0.38	< 2	< 51
3-Nitroaniline	N	-	< 20	< 25	< 20	< 49	< 100	< 20	< 1.8	< 21	< 21	< 19	< 1.9	< 2	< 10	< 260
4,6-Dinitro-2-methylphenol	N	-	< 20	< 25	< 20	< 49	< 100	< 20	< 1.8	< 21 UJ	< 21	< 19 UJ	< 1.9 UJ	< 2 UJ	< 10 UJ	< 260
4-Bromophenyl phenyl ether	N	-	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	< 0.35	< 4.1	< 4	< 3.6	< 0.37	< 0.38	< 2	< 51
4-Chloro-3-methylphenol	N	-	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	< 0.35	< 4.1	< 4	< 3.6	< 0.37	< 0.38	< 2	< 51
4-Chloroaniline	N	-	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	< 0.35	< 4.1	< 4	< 3.6	< 0.37	< 0.38	< 2	< 51
4-Chlorophenyl phenyl ether	N	-	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	< 0.35	< 4.1	< 4	< 3.6	< 0.37	< 0.38	< 2	< 51
4-Methylphenol	Y	500	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	< 0.35	**0.19 J**	**0.13 J**	**0.69 J**	< 0.37	< 0.38	< 2	< 51
4-Nitroaniline	N	-	< 20	< 25	< 20	< 49	< 100	< 20	< 1.8	< 21	< 21	< 19	< 1.9	< 2	< 10	< 260
4-Nitrophenol	N	-	< 20	< 25	< 20	< 49	< 100	< 20	< 1.8	< 21 UJ	< 21 UJ	< 19 UJ	< 1.9 UJ	< 2 UJ	< 10 UJ	< 260 UJ
Acetophenone	N	-	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	< 0.35	< 4.1	< 4	< 3.6	< 0.37	< 0.38	< 2	< 51
Atrazine	N	-	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	< 0.35	< 4.1	< 4	< 3.6	< 0.37	< 0.38	< 2	< 51
Benzaldehyde	Y	-	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	< 0.35	**0.65 J**	< 4	< 3.6	< 0.37	< 0.38	< 2	< 51
Biphenyl	Y	-	**0.19 J**	< 4.9	< 3.9	< 9.5	**0.97 J**	**2.2 J**	< 0.35	**22**	**12**	**18**	**0.062 J**	< 0.38	< 2	< 51
bis(2-Chloroethoxy)methane	N	-	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	< 0.35	< 4.1	< 4	< 3.6	< 0.37	< 0.38	< 2	< 51
bis(2-Chloroethyl)ether	N	-	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	< 0.35	< 4.1	< 4	< 3.6	< 0.37	< 0.38	< 2	< 51
bis(2-Ethylhexyl)phthalate	Y	-	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	< 0.35	< 4.1	< 4	< 3.6	< 0.37	< 0.38	< 2	< 51
Butyl benzylphthalate	N	-	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	< 0.35	< 4.1	< 4	< 3.6	< 0.37	< 0.38	< 2	< 51
Caprolactam	N	-	< 20	< 25	< 20	< 49	< 100	< 20	< 1.8	< 21	< 21	< 19	< 1.9	< 2	< 10	< 260
Carbazole	Y	-	**0.84 J**	**0.17 J**	< 3.9	**2.2 J**	**5.8 J**	**2.1 J**	< 0.35	**27**	**12**	**29**	**0.2 J**	< 0.38	**0.22 J**	**19 J**
Dibenzofuran	Y	350	**1.1 J**	**0.15 J**	< 3.9	**0.84 J**	**10 J**	**6.1**	**0.007 J**	**78**	**35**	**71 J**	**0.23 J**	< 0.38	**0.11 J**	**11 J**
Diethyl phthalate	N	-	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	< 0.35	< 4.1	< 4	< 3.6	< 0.37	< 0.38	< 2	< 51
Dimethyl phthalate	N	-	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	< 0.35	< 4.1	< 4	< 3.6	< 0.37	< 0.38	< 2	< 51
Di-n-butylphthalate	N	-	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	< 0.35	< 4.1	< 4	< 3.6	< 0.37	< 0.38	< 2	< 51
Di-n-octyl phthalate	Y	-	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	< 0.35	< 4.1	< 4	< 3.6	< 0.37	**0.022 J**	< 2	< 51
Hexachlorobenzene	N	6	< 3.9	< 4.9	< 3.9	*< 9.5*	*< 20*	< 3.8	< 0.35	< 4.1	< 4	< 3.6	< 0.37	< 0.38	< 2	*< 51*
Hexachlorobutadiene	N	-	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	< 0.35	< 4.1	< 4	< 3.6	< 0.37	< 0.38	< 2	< 51
Hexachlorocyclopentadiene	N	-	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	< 0.35	< 4.1	< 4 UJ	< 3.6	< 0.37	< 0.38	< 2	< 51 UJ
Hexachloroethane	N	-	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	< 0.35	< 4.1	< 4	< 3.6	< 0.37	< 0.38	< 2	< 51
Isophorone	N	-	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	< 0.35	< 4.1	< 4	< 3.6	< 0.37	< 0.38	< 2	< 51
Nitrobenzene	N	-	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	< 0.35	< 4.1	< 4	< 3.6	< 0.37	< 0.38	< 2	< 51
N-Nitrosodi-n-propylamine	N	-	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	< 0.35	< 4.1	< 4	< 3.6	< 0.37	< 0.38	< 2	< 51
N-Nitrosodiphenylamine	N	-	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	< 0.35	< 4.1	< 4	< 3.6	< 0.37	< 0.38	< 2	< 51
Pentachlorophenol	N	6.7	< 3.9	< 4.9	< 3.9	*< 9.5*	*< 20*	< 3.8	< 0.35	< 4.1	< 4 UJ	< 3.6	< 0.37	< 0.38	< 2	*< 51 UJ*
Phenol	Y	500	< 3.9	< 4.9	< 3.9	< 9.5	< 20	< 3.8	**0.059 J**	< 4.1	< 4	< 3.6	< 0.37	< 0.38	< 2	< 51
VOCs (mg/kg)																
1,1,1-Trichloroethane	N	500	< 0.0061	< 0.0084	< 0.0058	< 0.0068	< 0.0058	< 0.3	< 0.02	< 0.006	< 0.0061	< 0.0055	< 0.0055	< 0.0054	< 0.0059	< 0.0081
1,1,2,2-Tetrachloroethane	N	-	< 0.0061	< 0.0084	< 0.0058	< 0.0068	< 0.0058	< 0.3 UJ	< 0.02	< 0.006	< 0.0061	< 0.0055	< 0.0055	< 0.0054	< 0.0059	< 0.0081
1,1,2-Trichloroethane	N	-	< 0.0061	< 0.0084	< 0.0058	< 0.0068	< 0.0058	< 0.3	< 0.02	< 0.006	< 0.0061	< 0.0055	< 0.0055	< 0.0054	< 0.0059	< 0.0081
1,1-Dichloroethane	N	240	< 0.0061	< 0.0084	< 0.0058	< 0.0068	< 0.0058	< 0.3	< 0.02	< 0.006	< 0.0061	< 0.0055	< 0.0055	< 0.0054	< 0.0059	< 0.0081
1,1-Dichloroethene	N	500	< 0.0061	< 0.0084	< 0.0058	< 0.0068	< 0.0058	< 0.3	< 0.02	< 0.006	< 0.0061	< 0.0055	< 0.0055	< 0.0054	< 0.0059	< 0.0081
1,2,4-Trichlorobenzene	N	-	< 0.0061	< 0.0084	< 0.0058	< 0.0068	< 0.0058	< 0.3	< 0.02	< 0.006	< 0.0061	< 0.0055	< 0.0055	< 0.0054	< 0.0059	< 0.0081
1,2-Dibromo-3-chloropropane (DBCP)	N	-	< 0.0061 UJ	< 0.0084	< 0.0058 UJ	< 0.0068 UJ	< 0.0058 UJ	< 0.3 UJ	< 0.02	< 0.006	< 0.0061	< 0.0055	< 0.0055	< 0.0054	< 0.0059	< 0.0081
1,2-Dibromoethane	N	-	< 0.0061	< 0.0084	< 0.0058	< 0.0068	< 0.0058	< 0.3	< 0.02	< 0.006	< 0.0061	< 0.0055	< 0.0055	< 0.0054	< 0.0059	< 0.0081
1,2-Dichlorobenzene	N	500	< 0.0061	< 0.0084	< 0.0058	< 0.0068	< 0.0058	< 0.3	< 0.02	< 0.006	< 0.0061	< 0.0055	< 0.0055	< 0.0054	< 0.0059	< 0.0081
1,2-Dichloroethane	N	30	< 0.0061	< 0.0084	< 0.0058	< 0.0068	< 0.0058	< 0.3	< 0.02	< 0.006	< 0.0061	< 0.0055	< 0.0055	< 0.0054	< 0.0059	< 0.0081
1,2-Dichloropropane	N	-	< 0.0061	< 0.0084	< 0.0058	< 0.0068	< 0.0058	< 0.3	< 0.02	< 0.006	< 0.0061	< 0.0055	< 0.0055	< 0.0054	< 0.0059	< 0.0081
1,3-Dichlorobenzene	N	280	< 0.0061	< 0.0084	< 0.0058	< 0.0068	< 0.0058	< 0.3	< 0.02	< 0.006	< 0.0061	< 0.0055	< 0.0055	< 0.0054	< 0.0059	< 0.0081
1,4-Dichlorobenzene	N	130	< 0.0061	< 0.0084	< 0.0058	< 0.0068	< 0.0058	< 0.3	< 0.02	< 0.006	< 0.0061	< 0.0055	< 0.0055	< 0.0054	< 0.0059	< 0.0081
2-Butanone	Y	500	< 0.012 UJ	< 0.017	< 0.012 UJ	**0.0073 J**	< 0.012 UJ	< 0.6	< 0.041	**0.017**	**0.0066 J**	**0.0074 J**	< 0.011	< 0.011	< 0.012	< 0.016
2-Hexanone	N	-	< 0.012 UJ	< 0.017	< 0.012 UJ	< 0.014 UJ	< 0.012 UJ	< 0.6	< 0.041	< 0.012	< 0.012	< 0.011	< 0.011	< 0.011	< 0.012	< 0.016
4-Methyl-2-pentanone	N	-	< 0.012 UJ	< 0.017	< 0.012 UJ	< 0.014 UJ	< 0.012 UJ	< 0.6	< 0.041	< 0.012	< 0.012	< 0.011	< 0.011	< 0.011	< 0.012	< 0.016

TABLE 3-8
SUMMARY OF COMMERCIAL SUBSURFACE SOIL ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location	Detected?	NYSDEC	SB-08-01	SB-08-01	SB-08-02	SB-08-02	SB-08-03	SB-08-03	SB-08-03	TP-07-01	TP-07-01	TP-07-02	TP-07-02	TP-07-03N	TP-07-03S	TP-07-04
Sample Depth		Part 375	11 - 13 ft	19 - 20.2 ft	5 - 6 ft	19 - 19.4 ft	7.5 - 9.5 ft	21 - 23 ft	27 - 29.3 ft	4.5 - 5 ft	6.5 - 8.5 ft	7.6 - 8 ft	10 - 11 ft	5.7 - 6 ft	4 - 5 ft	1 - 2 ft
Sample Date		Commercial	3/3/2008	3/4/2008	3/4/2008	3/4/2008	3/5/2008	3/5/2008	3/6/2008	9/20/2007	9/20/2007	9/19/2007	9/19/2007	9/19/2007	9/19/2007	9/21/2007
Sample Type		SCO														
Sample Name		(mg/kg)	SB-08-01(11-13)	SB-08-01(19-20.2)	SB-08-02(5-6)	SB-08-02(19-19.4)	SB-08-03(7.5-9.5)	SB-08-03 (21-23)	SB-08-03 (27-29.3)	TP-07-01(4.5-5)	TP-07-01(6.5-8.5)	TP-07-02(7.6-8)	TP-07-02(10-11)	TP-07-03N(5.7-6)	TP-07-03S(4-5)	TP-07-04(1-2)
Acetone	Y	500	**0.064 J**	**0.023 J**	**0.028 J**	**0.089 J**	**0.075 J**	< 1.2	**0.03 J**	**0.058**	**0.038**	**0.027 J**	**0.016 J**	< 0.022 R	**0.02 J**	< 0.032
Benzene	Y	44	< 0.0061	< 0.0084	< 0.0058	**0.002 J**	**0.023**	**1.2**	**0.66**	**2.7**	**1.2**	**0.38**	**0.025**	< 0.0054	< 0.0059	< 0.0081
Bromodichloromethane	N	-	< 0.0061	< 0.0084	< 0.0058	< 0.0068	< 0.0058	< 0.3	< 0.02	< 0.006	< 0.0061	< 0.0055	< 0.0055	< 0.0054	< 0.0059	< 0.0081
Bromoform	N	-	< 0.0061	< 0.0084	< 0.0058	< 0.0068	< 0.0058	< 0.3	< 0.02	< 0.006	< 0.0061	< 0.0055	< 0.0055	< 0.0054	< 0.0059	< 0.0081
Bromomethane	N	-	< 0.0061	< 0.0084	< 0.0058	< 0.0068	< 0.0058	< 0.3 UJ	< 0.02	< 0.006 R	< 0.0061	< 0.0055 UJ	< 0.0055 UJ	< 0.0054 UJ	< 0.0059 UJ	< 0.0081
Carbon disulfide	Y	-	< 0.012	< 0.017	< 0.012	< 0.014	< 0.012	< 0.6	< 0.041	**0.0017 J**	**0.0016 J**	**0.0025 J**	**0.0015 J**	< 0.011	< 0.012	< 0.016
Carbon tetrachloride	N	22	< 0.0061	< 0.0084	< 0.0058	< 0.0068	< 0.0058	< 0.3	< 0.02	< 0.006	< 0.0061	< 0.0055	< 0.0055	< 0.0054	< 0.0059	< 0.0081
Chlorobenzene	Y	500	< 0.0061	< 0.0084	< 0.0058	< 0.0068	< 0.0058	< 0.3	< 0.02	< 0.006 UJ	**0.0018 J**	**0.0023 J**	< 0.0055 UJ	< 0.0054 UJ	< 0.0059 UJ	< 0.0081 UJ
Chloroethane	N	-	< 0.0061 UJ	< 0.0084	< 0.0058 UJ	< 0.0068 UJ	< 0.0058 UJ	< 0.3	< 0.02	< 0.006	< 0.0061	< 0.0055	< 0.0055	< 0.0054	< 0.0059	< 0.0081
Chloroform	Y	350	< 0.0061	< 0.0084	< 0.0058	< 0.0068	< 0.0058	< 0.3	< 0.02	< 0.006	< 0.0061	< 0.0055	**0.0013 J**	**0.0012 J**	< 0.0059	< 0.0081
Chloromethane	N	-	< 0.0061	< 0.0084	< 0.0058	< 0.0068	< 0.0058	< 0.3	< 0.02	< 0.006	< 0.0061	< 0.0055	< 0.0055	< 0.0054	< 0.0059	< 0.0081
cis-1,2-Dichloroethene	N	500	< 0.0061	< 0.0084	< 0.0058	< 0.0068	< 0.0058	< 0.3	< 0.02	< 0.006	< 0.0061	< 0.0055	< 0.0055	< 0.0054	< 0.0059	< 0.0081
cis-1,3-Dichloropropene	N	-	< 0.0061	< 0.0084	< 0.0058	< 0.0068	< 0.0058	< 0.3	< 0.02	< 0.006	< 0.0061	< 0.0055	< 0.0055	< 0.0054	< 0.0059	< 0.0081
Cyclohexane	Y	-	< 0.012	< 0.017	< 0.012	< 0.014	< 0.012	< 0.6	< 0.041	< 0.012	**0.0022 J**	**0.0033 J**	< 0.011	< 0.011	< 0.012	< 0.016
Dibromochloromethane	N	-	< 0.0061	< 0.0084	< 0.0058	< 0.0068	< 0.0058	< 0.3	< 0.02	< 0.006	< 0.0061	< 0.0055	< 0.0055	< 0.0054	< 0.0059	< 0.0081
Dichlorodifluoromethane (CFC-12)	N	-	< 0.0061	< 0.0084	< 0.0058	< 0.0068	< 0.0058	< 0.3	< 0.02	< 0.006	< 0.0061	< 0.0055	< 0.0055	< 0.0054	< 0.0059	< 0.0081
Ethylbenzene	Y	390	< 0.0061	< 0.0084	< 0.0058	< 0.0068	**0.0037 J**	**0.82**	< 0.02	**13**	**4.2**	**0.42**	**0.007**	< 0.0054	< 0.0059	< 0.0081
Isopropylbenzene	Y	-	< 0.0061	< 0.0084	< 0.0058	< 0.0068	< 0.0058	< 0.3	< 0.02	**0.026**	**0.022**	**0.021**	**0.0021 J**	< 0.0054	< 0.0059	< 0.0081
Methyl acetate	N	-	< 0.012	< 0.017 UJ	< 0.012	< 0.014	< 0.012	< 0.6	< 0.041 UJ	< 0.012	< 0.012	< 0.011	< 0.011	< 0.011	< 0.012	< 0.016
Methyl cyclohexane	Y	-	< 0.012	< 0.017	< 0.012	< 0.014	< 0.012	< 0.6	< 0.041	**0.0035 J**	**0.0074 J**	**0.0058 J**	< 0.011	< 0.011	< 0.012	< 0.016
Methyl tert butyl ether (MTBE)	Y	500	< 0.0061	< 0.0084	< 0.0058	< 0.0068	< 0.0058	< 0.3	< 0.02	< 0.006	< 0.0061	< 0.0055	< 0.0055	< 0.0054	< 0.0059	< 0.0081
Methylene chloride	Y	500	**0.024**	**0.014**	**0.01**	**0.027**	**0.025**	< 0.3	**0.042**	**0.028**	< 0.023	< 0.012	< 0.018	< 0.016	< 0.012	< 0.0081
Styrene	Y	-	< 0.0061	< 0.0084	< 0.0058	< 0.0068	**0.01**	**0.94**	< 0.02	**0.16**	**4.5**	< 0.0055	< 0.0055	< 0.0054	< 0.0059	< 0.0081
Tetrachloroethene	N	150	< 0.0061	< 0.0084	< 0.0058	< 0.0068	< 0.0058	< 0.3	< 0.02	< 0.006	< 0.0061	< 0.0055	< 0.0055	< 0.0054	< 0.0059	< 0.0081
Toluene	Y	500	< 0.0061	< 0.0084	< 0.0058	< 0.0068	**0.03**	**6.5**	**0.0068 J**	**17 J**	**11 J**	**0.39 J**	< 0.0055 UJ	< 0.0054 UJ	< 0.0059 UJ	**0.0019 J**
trans-1,2-Dichloroethene	N	500	< 0.0061	< 0.0084	< 0.0058	< 0.0068	< 0.0058	< 0.3	< 0.02	< 0.006	< 0.0061	< 0.0055	< 0.0055	< 0.0054	< 0.0059	< 0.0081
trans-1,3-Dichloropropene	N	-	< 0.0061	< 0.0084	< 0.0058	< 0.0068	< 0.0058	< 0.3	< 0.02	< 0.006	< 0.0061	< 0.0055	< 0.0055	< 0.0054	< 0.0059	< 0.0081
Trichloroethene	N	200	< 0.0061	< 0.0084	< 0.0058	< 0.0068	< 0.0058	< 0.3	< 0.02	< 0.006	< 0.0061	< 0.0055	< 0.0055	< 0.0054	< 0.0059	< 0.0081
Trichlorofluoromethane (CFC-11)	Y	-	< 0.0061	< 0.0084	< 0.0058	< 0.0068	< 0.0058	< 0.3 UJ	< 0.02	< 0.006	< 0.0061	< 0.0055	< 0.0055	< 0.0054	< 0.0059	< 0.0081
Trifluorotrichloroethane (Freon 113)	N	-	< 0.0061	< 0.0084	< 0.0058	< 0.0068	< 0.0058	< 0.3	< 0.02	< 0.006	< 0.0061	< 0.0055	< 0.0055	< 0.0054	< 0.0059	< 0.0081
Vinyl chloride	N	13	< 0.0061	< 0.0084	< 0.0058	< 0.0068	< 0.0058	< 0.3	< 0.02	< 0.006	< 0.0061	< 0.0055	< 0.0055	< 0.0054	< 0.0059	< 0.0081
Xylenes (total)	Y	500	< 0.018	< 0.025	< 0.017	< 0.02	**0.087**	**12**	< 0.061	**140**	**42**	**8.9**	**0.041**	< 0.016	< 0.018	< 0.024

Notes and Abbreviations:
1. Orange shading indicates result exceeds NYSDEC Part 375 Restricted Use Soil Cleanup Objectives for Commercial.
2. *Gray* shading indicates Reporting Detection Limit exceeds NYSDEC Part 375 Restricted Use Soil Cleanup Objectives for Commercial.
3. <: Compound not detected above the indicated reporting limit.
   J: Estimated result.
   R: Rejected result.
   UJ: Non-detect, reporting limit is estimated.
4. Detected compounds are in bold.

TABLE 3-8
SUMMARY OF COMMERCIAL SUBSURFACE SOIL ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location	Detected?	NYSDEC	TP-07-04	TP-07-04	TP-07-05	TP-07-05	TP-07-06	TP-07-06	TP-07-07	TP-07-07	TP-07-08	TP-07-08	TP-07-09	TP-07-09	TP-07-10	TP-07-10
Sample Depth		Part 375	9 - 10 ft	9 - 10 ft	3 - 4 ft	5 - 6 ft	4.5 - 5.5 ft	6 - 7 ft	5 - 6 ft	12 - 13 ft	5.5 - 6.5 ft	7 - 8 ft	2 - 4 ft	8 - 9 ft	5 - 6 ft	5 - 6 ft
Sample Date		Commercial	9/21/2007	9/21/2007	9/20/2007	9/20/2007	9/20/2007	9/20/2007	9/18/2007	9/18/2007	9/20/2007	9/20/2007	9/21/2007	9/21/2007	9/18/2007	9/18/2007
Sample Type		SCO		Duplicate												Duplicate
Sample Name		(mg/kg)	TP-07-04(9-10)	DUP-07-02	TP-07-05(3-4)	TP-07-05(5-6)	TP-07-06(4.5-5.5)	TP-07-06(6-7)	TP-07-07(5-6)	TP-07-07(12-13)	TP-07-08(5.5-6.5)	TP-07-08(7-8)	TP-07-09(2-4)	TP-07-09(8-9)	TP-07-10(5-6)	DUP-07-01
Cyanide (mg/kg)																
Cyanide (total)	Y	27	< 0.962 R	< 0.754 R	< 0.864 R	< 1.1 R	< 0.625 R	< 0.788 R	< 1.05	< 1.14	< 0.837 R	< 0.749 R	< 0.659 R	< 1.14 R	< 0.899	< 1.05
Metals (mg/kg)																
Aluminum	Y	-	**3360**	**3810**	**7080**	**8890**	**5720**	**5030**	**4260**	**5020**	**9000**	**5070**	**13900**	**11400**	**4090**	**4620**
Antimony	Y	-	< 6.3	< 6.4	< 6.3	< 7	< 6.6	< 6.4	< 7	< 7.3	< 6.2	< 6.7	< 7.3	< 9	< 6.9	< 6.4
Arsenic	Y	16	**2.5**	**2.7**	**3.3**	**2.4**	**2.8**	**2.3**	**2.1**	**2.4**	**4.1**	**2.7**	**3.9**	**4.5**	**2.5**	**2.2**
Barium	Y	400	**33.1 J**	**36.7 J**	**70.8 J**	**43.4 J**	**30.8 J**	**55.2 J**	**44**	**60.7**	**51.4 J**	**29.8 J**	**56.4 J**	**59.8 J**	**25**	**30.4**
Beryllium	Y	590	< 0.52	< 0.53	< 0.53	< 0.58	< 0.55	< 0.53	< 0.58	< 0.61	< 0.52	< 0.56	< 0.61	< 0.75	< 0.57	< 0.53
Cadmium	Y	9.3	< 0.52	< 0.53	< 0.53	< 0.58	< 0.55	< 0.53	< 0.58	< 0.61	< 0.52	< 0.56	< 0.61	< 0.75	< 0.57	< 0.53
Calcium	Y	-	**74300 J**	**63200 J**	**94600 J**	**8130 J**	**80700 J**	**70900 J**	**63200**	**110000**	**9360 J**	**62000 J**	**1640 J**	**12400 J**	**111000**	**75100**
Chromium	Y	400	**6.2 J**	**6.7 J**	**13.5 J**	**11 J**	**10.1 J**	**8.3 J**	**7**	**8.5**	**12.1 J**	**8.4 J**	**17.7 J**	**16 J**	**6.6**	**7.2**
Cobalt	Y	-	< 5.2	< 5.3	**5.3**	**5.9**	< 5.5	< 5.3	< 5.8	< 6.1	**6.1**	< 5.6	**11**	**9**	< 5.7	< 5.3
Copper	Y	270	**11.4**	**13**	**14.4**	**11.7**	**15.5**	**13.6**	**16.1**	**15.1**	**18.1**	**12.5**	**18.3**	**17.6**	**11.6**	**12.6**
Iron	Y	-	**8540**	**9950**	**13700**	**12600**	**10900**	**10500**	**9440**	**10600**	**15000**	**10600**	**21000**	**18000**	**8970**	**10700**
Lead	Y	1000	**4.8 J**	**4.9 J**	**9.5 J**	**36.4 J**	**6.2 J**	**6.5 J**	**5.3**	**8.1**	**7.4 J**	**5.3 J**	**11.1 J**	**72.2 J**	**7.1**	**7.5**
Magnesium	Y	-	**32600 J**	**23900 J**	**40600 J**	**4460 J**	**42900 J**	**25400 J**	**23600**	**46800**	**7190 J**	**27400 J**	**4260 J**	**5740 J**	**29100**	**32000**
Manganese	Y	10000	**299**	**334**	**421**	**195**	**309**	**334**	**324**	**351**	**683**	**351**	**418**	**291**	**337**	**352**
Mercury	Y	2.8	< 0.004 UJ	**0.041 J**	**0.012 J**	**0.017 J**	**0.028 J**	**0.01 J**	**0.005 J**	**0.016 J**	**0.022 J**	**0.012 J**	**0.008 J**	**0.071 J**	**0.021 J**	**0.015 J**
Nickel	Y	310	**7.1**	**8.6**	**11.9**	**9.9**	**10.2**	**9.2**	**8.6**	**10**	**13.3**	**9.1**	**17.5**	**14.1**	**7.5**	**7.8**
Potassium	Y	-	**593 J**	**592 J**	**1250 J**	**652 J**	**1010 J**	**938 J**	**783**	**1090**	**1070 J**	**837 J**	**1210 J**	**851 J**	**801**	**861**
Selenium	Y	1500	< 0.62	< 0.63	< 0.62	< 0.69	< 0.65	< 0.63	< 0.68	< 0.72	< 0.61	< 0.66	< 0.72	< 0.88	< 0.68	< 0.63
Silver	N	1500	< 1	< 1.1	< 1.1	< 1.2	< 1.1	< 1.1	< 1.2	< 1.2	< 1	< 1.1	< 1.2	< 1.5	< 1.1	< 1.1
Sodium	Y	-	**116**	**106**	**179**	**76**	**105**	**75.8**	**104**	**136**	**131**	**109**	**119**	**99.9**	**124**	**101**
Thallium	Y	-	< 1	< 1.1	< 1.1	< 1.2	< 1.1	< 1.1	< 1.2	< 1.2	< 1	< 1.1	< 1.2	< 1.5	**1.6**	< 1.1
Vanadium	Y	-	**10.7**	**11.8**	**16.4**	**18.3**	**11.1**	**12.7**	**11.7**	**12.6**	**18.8**	**12.6**	**25.9**	**26.7**	**10.7**	**11.7**
Zinc	Y	10000	**41.3 J**	**53.6 J**	**29.3 J**	**46.9 J**	**30 J**	**27.2 J**	**39.5 J**	**45.1 J**	**37.7 J**	**39.1 J**	**46.7 J**	**90.5 J**	**39.2 J**	**42.6 J**
PAHs (mg/kg)																
2-Methyl naphthalene	Y	-	< 1.8	< 0.35	< 0.37	**0.025 J**	**3.1 J**	**0.051 J**	< 0.36	< 0.39	**0.33 J**	**0.012 J**	< 0.37	**12**	< 0.35	**0.013 J**
Acenaphthene	Y	500	**0.11 J**	**0.036 J**	< 0.37	**0.016 J**	**3.8**	**0.018 J**	< 0.36	< 0.39	**0.38 J**	< 0.36	**0.018 J**	**54**	< 0.35	< 0.36
Acenaphthylene	Y	500	**0.54 J**	**0.043 J**	< 0.37	**0.042 J**	**10**	**0.15 J**	< 0.36	**0.008 J**	**1.4 J**	**0.017 J**	< 0.37	**7.4**	< 0.35	< 0.36
Anthracene	Y	500	**2.9**	**0.12 J**	**0.011 J**	**0.089 J**	**28**	**0.27 J**	< 0.36	**0.02 J**	**2.8**	**0.037 J**	< 0.37	**74**	< 0.35	< 0.36
Benzo(a)anthracene	Y	5.6	**5.3**	**0.3 J**	**0.03 J**	**0.14 J**	**18**	**0.92**	**0.02 J**	**0.15 J**	**5.4**	**0.084 J**	**0.009 J**	**47**	< 0.35	< 0.36
Benzo(a)pyrene	Y	1	**3.6**	**0.26 J**	**0.018 J**	**0.087 J**	**12**	**0.71**	**0.25 J**	**0.13 J**	**4**	**0.056 J**	< 0.37	**31**	< 0.35	< 0.36
Benzo(b)fluoranthene	Y	5.6	**4.5**	**0.28 J**	**0.024 J**	**0.14 J**	**17**	**1.1**	**0.22 J**	**0.2 J**	**6**	**0.087 J**	**0.01 J**	**35**	< 0.35	< 0.36
Benzo(g,h,i)perylene	Y	500	**1.8**	**0.15 J**	**0.01 J**	**0.05 J**	**5.1**	**0.38**	**0.008 J**	**0.074 J**	**2.2**	**0.03 J**	< 0.37	**12**	< 0.35	< 0.36
Benzo(k)fluoranthene	Y	56	**1.2 J**	**0.13 J**	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	**12**	< 0.35	< 0.36
Chrysene	Y	56	**3.8**	**0.22 J**	**0.021 J**	**0.1 J**	**14**	**0.72**	**0.01 J**	**0.12 J**	**4.2**	**0.06 J**	< 0.37	**40**	< 0.35	< 0.36
Dibenzo(a,h)anthracene	Y	0.56	**0.58 J**	**0.023 J**	< 0.37	**0.015 J**	**1.6 J**	**0.11 J**	**0.28 J**	**0.023 J**	**0.63 J**	**0.009 J**	< 0.37	**4.8**	< 0.35	< 0.36
Fluoranthene	Y	500	**9.9**	**0.5**	**0.044 J**	**0.28 J**	**43**	**1.5**	**0.22 J**	**0.16 J**	**11**	**0.15 J**	**0.008 J**	**100**	< 0.35	< 0.36
Fluorene	Y	500	**0.57 J**	**0.044 J**	< 0.37	**0.061 J**	**26**	**0.11 J**	< 0.36	< 0.39	**1.4 J**	**0.021 J**	< 0.37	**49**	< 0.35	< 0.36
Indeno(1,2,3-cd)pyrene	Y	5.6	**1.7 J**	**0.14 J**	**0.01 J**	**0.043 J**	**4.9**	**0.36**	**0.25 J**	**0.061 J**	**2.1**	**0.028 J**	< 0.37	**13**	< 0.35	< 0.36
Naphthalene	Y	500	< 1.8	< 0.35	**0.009 J**	**0.035 J**	**6.1**	**0.078 J**	**0.027 J**	**0.025 J**	**0.48 J**	**0.038 J**	< 0.37	**69**	**0.014 J**	**0.081 J**
Phenanthrene	Y	500	**5**	**0.18 J**	**0.032 J**	**0.29 J**	**66**	**0.76**	< 0.36	**0.038 J**	**7.9**	**0.12 J**	< 0.37	**160**	< 0.35	< 0.36
Pyrene	Y	500	**8.4**	**0.46**	**0.042 J**	**0.24 J**	**33**	**1.4**	**0.017 J**	**0.17 J**	**8.6**	**0.14 J**	< 0.37	**75**	< 0.35	< 0.36
Total PAHs	-	-	**49.9**	**2.886**	**0.251**	**1.653**	**291.6**	**8.637**	**1.302**	**1.179**	**58.82**	**0.889**	**0.045**	**795.2**	**0.014**	**0.094**
SVOCs (mg/kg)																
2,2'-Oxybis(1-Chloropropane)	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2-oxybis(1-Chloropropane)	N	-	< 1.8	< 0.35	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	< 4.6	< 0.35	< 0.36
2,4,5-Trichlorophenol	N	-	< 1.8	< 0.35	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	< 4.6	< 0.35	< 0.36
2,4,6-Trichlorophenol	N	-	< 1.8	< 0.35	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	< 4.6	< 0.35	< 0.36
2,4-Dichlorophenol	N	-	< 1.8	< 0.35	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	< 4.6	< 0.35	< 0.36
2,4-Dimethylphenol	Y	-	< 1.8	< 0.35	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	< 4.6	< 0.35	< 0.36
2,4-Dinitrophenol	N	-	< 9.2 UJ	< 1.8 UJ	< 1.9 UJ	< 2 UJ	< 18 UJ	< 1.8 UJ	< 1.8 UJ	< 2 UJ	< 9 UJ	< 1.8 UJ	< 1.9 UJ	< 24 UJ	< 1.8	< 1.8 UJ
2,4-Dinitrotoluene	N	-	< 1.8	< 0.35	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	< 4.6	< 0.35	< 0.36
2,6-Dinitrotoluene	N	-	< 1.8	< 0.35	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	< 4.6	< 0.35	< 0.36

TABLE 3-8
SUMMARY OF COMMERCIAL SUBSURFACE SOIL ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location	Detected?	NYSDEC	TP-07-04	TP-07-04	TP-07-05	TP-07-05	TP-07-06	TP-07-06	TP-07-07	TP-07-07	TP-07-08	TP-07-08	TP-07-09	TP-07-09	TP-07-10	TP-07-10
Sample Depth		Part 375	9 - 10 ft	9 - 10 ft	3 - 4 ft	5 - 6 ft	4.5 - 5.5 ft	6 - 7 ft	5 - 6 ft	12 - 13 ft	5.5 - 6.5 ft	7 - 8 ft	2 - 4 ft	8 - 9 ft	5 - 6 ft	5 - 6 ft
Sample Date		Commercial	9/21/2007	9/21/2007	9/20/2007	9/20/2007	9/20/2007	9/20/2007	9/18/2007	9/18/2007	9/20/2007	9/20/2007	9/21/2007	9/21/2007	9/18/2007	9/18/2007
Sample Type		SCO		Duplicate												Duplicate
Sample Name		(mg/kg)	TP-07-04(9-10)	DUP-07-02	TP-07-05(3-4)	TP-07-05(5-6)	TP-07-06(4.5-5.5)	TP-07-06(6-7)	TP-07-07(5-6)	TP-07-07(12-13)	TP-07-08(5.5-6.5)	TP-07-08(7-8)	TP-07-09(2-4)	TP-07-09(8-9)	TP-07-10(5-6)	DUP-07-01
2-Chloronaphthalene	N	-	< 1.8	< 0.35	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	< 4.6	< 0.35	< 0.36
2-Chlorophenol	N	-	< 1.8	< 0.35	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	< 4.6	< 0.35	< 0.36
2-Methylphenol	Y	500	< 1.8	< 0.35	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	< 4.6	< 0.35	< 0.36
2-Nitroaniline	N	-	< 9.2	< 1.8	< 1.9	< 2	< 18	< 1.8	< 1.8	< 2	< 9	< 1.8	< 1.9	< 24	< 1.8	< 1.8
2-Nitrophenol	N	-	< 1.8	< 0.35	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	< 4.6	< 0.35	< 0.36
3,3-Dichlorobenzidine	N	-	< 1.8	< 0.35	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	< 4.6	< 0.35 UJ	< 0.36
3-Nitroaniline	N	-	< 9.2	< 1.8	< 1.9	< 2	< 18	< 1.8	< 1.8	< 2	< 9	< 1.8	< 1.9	< 24	< 1.8	< 1.8
4,6-Dinitro-2-methylphenol	N	-	< 9.2	< 1.8	< 1.9 UJ	< 2 UJ	< 18 UJ	< 1.8 UJ	< 1.8 UJ	< 2 UJ	< 9 UJ	< 1.8 UJ	< 1.9	< 24	< 1.8	< 1.8 UJ
4-Bromophenyl phenyl ether	N	-	< 1.8	< 0.35	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	< 4.6	< 0.35	< 0.36
4-Chloro-3-methylphenol	N	-	< 1.8	< 0.35	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	< 4.6	< 0.35	< 0.36
4-Chloroaniline	N	-	< 1.8	< 0.35	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	< 4.6	< 0.35	< 0.36
4-Chlorophenyl phenyl ether	N	-	< 1.8	< 0.35	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	< 4.6	< 0.35	< 0.36
4-Methylphenol	Y	500	< 1.8	< 0.35	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	< 4.6	< 0.35	< 0.36
4-Nitroaniline	N	-	< 9.2	< 1.8	< 1.9	< 2	< 18	< 1.8	< 1.8	< 2	< 9	< 1.8	< 1.9	< 24	< 1.8	< 1.8
4-Nitrophenol	N	-	< 9.2 UJ	< 1.8 UJ	< 1.9 UJ	< 2 UJ	< 18 UJ	< 1.8 UJ	< 1.8 UJ	< 2 UJ	< 9 UJ	< 1.8 UJ	< 1.9 UJ	< 24 UJ	< 1.8 UJ	< 1.8 UJ
Acetophenone	N	-	< 1.8	< 0.35	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	< 4.6	< 0.35	< 0.36
Atrazine	N	-	< 1.8	< 0.35	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	< 4.6	< 0.35	< 0.36
Benzaldehyde	Y	-	< 1.8	< 0.35	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	< 4.6	< 0.35	< 0.36
Biphenyl	Y	-	< 1.8	< 0.35	< 0.37	< 0.38	**5**	**0.012 J**	< 0.36	< 0.39	**0.15 J**	< 0.36	< 0.37	**8.7**	< 0.35	< 0.36
bis(2-Chloroethoxy)methane	N	-	< 1.8	< 0.35	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	< 4.6	< 0.35	< 0.36
bis(2-Chloroethyl)ether	N	-	< 1.8	< 0.35	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	< 4.6	< 0.35	< 0.36
bis(2-Ethylhexyl)phthalate	Y	-	< 1.8	**0.06 J**	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	< 4.6	< 0.35	< 0.36
Butyl benzylphthalate	N	-	< 1.8	< 0.35	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	< 4.6	< 0.35	< 0.36
Caprolactam	N	-	< 9.2	< 1.8	< 1.9	< 2	< 18	< 1.8	< 1.8	< 2	< 9	< 1.8	< 1.9	< 24	< 1.8	< 1.8
Carbazole	Y	-	**0.18 J**	**0.017 J**	< 0.37	**0.018 J**	**4.8**	**0.048 J**	< 0.36	< 0.39	**0.32 J**	< 0.36	< 0.37	**6.1**	< 0.35	< 0.36
Dibenzofuran	Y	350	**0.21 J**	**0.027 J**	< 0.37	**0.042 J**	**17**	**0.074 J**	< 0.36	< 0.39	**0.87 J**	**0.012 J**	**0.01 J**	**32**	< 0.35	< 0.36
Diethyl phthalate	N	-	< 1.8	< 0.35	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	< 4.6	< 0.35	< 0.36
Dimethyl phthalate	N	-	< 1.8	< 0.35	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	< 4.6	< 0.35	< 0.36
Di-n-butylphthalate	N	-	< 1.8	< 0.35	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	< 4.6	< 0.35	< 0.36
Di-n-octyl phthalate	Y	-	< 1.8	< 0.35	**0.013 J**	**0.014 J**	< 3.5	< 0.35	**0.17 J**	**0.012 J**	< 1.7	**0.026 J**	< 0.37	< 4.6	< 0.35	**0.015 J**
Hexachlorobenzene	N	6	< 1.8	< 0.35	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	< 4.6	< 0.35	< 0.36
Hexachlorobutadiene	N	-	< 1.8	< 0.35	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	< 4.6	< 0.35	< 0.36
Hexachlorocyclopentadiene	N	-	< 1.8 UJ	< 0.35 UJ	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37 UJ	< 4.6 UJ	< 0.35	< 0.36
Hexachloroethane	N	-	< 1.8	< 0.35	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	< 4.6	< 0.35	< 0.36
Isophorone	N	-	< 1.8	< 0.35	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	< 4.6	< 0.35	< 0.36
Nitrobenzene	N	-	< 1.8	< 0.35	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	< 4.6	< 0.35	< 0.36
N-Nitrosodi-n-propylamine	N	-	< 1.8	< 0.35	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	< 4.6	< 0.35	< 0.36
N-Nitrosodiphenylamine	N	-	< 1.8	< 0.35	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	< 4.6	< 0.35	< 0.36
Pentachlorophenol	N	6.7	< 1.8 UJ	< 0.35 UJ	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37 UJ	< 4.6 UJ	< 0.35	< 0.36
Phenol	Y	500	< 1.8	< 0.35	< 0.37	< 0.38	< 3.5	< 0.35	< 0.36	< 0.39	< 1.7	< 0.36	< 0.37	< 4.6	< 0.35	< 0.36
VOCs (mg/kg)																
1,1,1-Trichloroethane	N	500	< 0.0056	< 0.0053	< 0.0053	< 0.0065	< 0.0052	< 0.0052	< 0.0055	< 0.0054	< 0.0054	< 0.0053	< 0.0057	< 0.0065	< 0.0055	< 0.0052
1,1,2,2-Tetrachloroethane	N	-	< 0.0056	< 0.0053	< 0.0053	< 0.0065	< 0.0052	< 0.0052	< 0.0055	< 0.0054	< 0.0054	< 0.0053	< 0.0057	< 0.0065	< 0.0055	< 0.0052
1,1,2-Trichloroethane	N	-	< 0.0056	< 0.0053	< 0.0053	< 0.0065	< 0.0052	< 0.0052	< 0.0055	< 0.0054	< 0.0054	< 0.0053	< 0.0057	< 0.0065	< 0.0055	< 0.0052
1,1-Dichloroethane	N	240	< 0.0056	< 0.0053	< 0.0053	< 0.0065	< 0.0052	< 0.0052	< 0.0055	< 0.0054	< 0.0054	< 0.0053	< 0.0057	< 0.0065	< 0.0055	< 0.0052
1,1-Dichloroethene	N	500	< 0.0056	< 0.0053	< 0.0053	< 0.0065	< 0.0052	< 0.0052	< 0.0055	< 0.0054	< 0.0054	< 0.0053	< 0.0057	< 0.0065	< 0.0055	< 0.0052
1,2,4-Trichlorobenzene	N	-	< 0.0056	< 0.0053	< 0.0053	< 0.0065	< 0.0052	< 0.0052	< 0.0055	< 0.0054	< 0.0054	< 0.0053	< 0.0057	< 0.0065	< 0.0055	< 0.0052
1,2-Dibromo-3-chloropropane (DBCP)	N	-	< 0.0056	< 0.0053	< 0.0053	< 0.0065	< 0.0052	< 0.0052	< 0.0055	< 0.0054	< 0.0054	< 0.0053	< 0.0057	< 0.0065	< 0.0055 UJ	< 0.0052
1,2-Dibromoethane	N	-	< 0.0056	< 0.0053	< 0.0053	< 0.0065	< 0.0052	< 0.0052	< 0.0055	< 0.0054	< 0.0054	< 0.0053	< 0.0057	< 0.0065	< 0.0055	< 0.0052
1,2-Dichlorobenzene	N	500	< 0.0056	< 0.0053	< 0.0053	< 0.0065	< 0.0052	< 0.0052	< 0.0055	< 0.0054	< 0.0054	< 0.0053	< 0.0057	< 0.0065	< 0.0055	< 0.0052
1,2-Dichloroethane	N	30	< 0.0056	< 0.0053	< 0.0053	< 0.0065	< 0.0052	< 0.0052	< 0.0055	< 0.0054	< 0.0054	< 0.0053	< 0.0057	< 0.0065	< 0.0055 UJ	< 0.0052
1,2-Dichloropropane	N	-	< 0.0056	< 0.0053	< 0.0053	< 0.0065	< 0.0052	< 0.0052	< 0.0055	< 0.0054	< 0.0054	< 0.0053	< 0.0057	< 0.0065	< 0.0055	< 0.0052
1,3-Dichlorobenzene	N	280	< 0.0056	< 0.0053	< 0.0053	< 0.0065	< 0.0052	< 0.0052	< 0.0055	< 0.0054	< 0.0054	< 0.0053	< 0.0057	< 0.0065	< 0.0055	< 0.0052
1,4-Dichlorobenzene	N	130	< 0.0056	< 0.0053	< 0.0053	< 0.0065	< 0.0052	< 0.0052	< 0.0055	< 0.0054	< 0.0054	< 0.0053	< 0.0057	< 0.0065	< 0.0055	< 0.0052
2-Butanone	Y	500	< 0.011	< 0.011	< 0.01	**0.016**	< 0.01	< 0.01	< 0.011	< 0.011	< 0.011	< 0.01	< 0.011	**0.027**	< 0.011	< 0.01
2-Hexanone	N	-	< 0.011	< 0.011	< 0.01	< 0.013	< 0.01	< 0.01	< 0.011	< 0.011	< 0.011	< 0.01	< 0.011	< 0.013	< 0.011	< 0.01
4-Methyl-2-pentanone	N	-	< 0.011	< 0.011	< 0.01	< 0.013	< 0.01	< 0.01	< 0.011	< 0.011	< 0.011	< 0.01	< 0.011	< 0.013	< 0.011	< 0.01

TABLE 3-8
SUMMARY OF COMMERCIAL SUBSURFACE SOIL ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location	Detected?	NYSDEC	TP-07-04	TP-07-04	TP-07-05	TP-07-05	TP-07-06	TP-07-06	TP-07-07	TP-07-07	TP-07-08	TP-07-08	TP-07-09	TP-07-09	TP-07-10	TP-07-10
Sample Depth		Part 375	9 - 10 ft	9 - 10 ft	3 - 4 ft	5 - 6 ft	4.5 - 5.5 ft	6 - 7 ft	5 - 6 ft	12 - 13 ft	5.5 - 6.5 ft	7 - 8 ft	2 - 4 ft	8 - 9 ft	5 - 6 ft	5 - 6 ft
Sample Date		Commercial	9/21/2007	9/21/2007	9/20/2007	9/20/2007	9/20/2007	9/20/2007	9/18/2007	9/18/2007	9/20/2007	9/20/2007	9/21/2007	9/21/2007	9/18/2007	9/18/2007
Sample Type		SCO		Duplicate												Duplicate
Sample Name		(mg/kg)	TP-07-04(9-10)	DUP-07-02	TP-07-05(3-4)	TP-07-05(5-6)	TP-07-06(4.5-5.5)	TP-07-06(6-7)	TP-07-07(5-6)	TP-07-07(12-13)	TP-07-08(5.5-6.5)	TP-07-08(7-8)	TP-07-09(2-4)	TP-07-09(8-9)	TP-07-10(5-6)	DUP-07-01
Acetone	Y	500	< 0.022	**0.012 J**	< 0.021	**0.084**	**0.02 J**	**0.009 J**	**0.007 J**	**0.0089 J**	**0.0075 J**	**0.017 J**	< 0.023	**0.12**	< 0.022	**0.011 J**
Benzene	Y	44	< 0.0056	< 0.0053	< 0.0053	< 0.0065	< 0.0052	< 0.0052	< 0.0055	**0.0078**	< 0.0054	< 0.0053	< 0.0057	< 0.0065	< 0.0055	< 0.0052
Bromodichloromethane	N	-	< 0.0056	< 0.0053	< 0.0053	< 0.0065	< 0.0052	< 0.0052	< 0.0055	< 0.0054	< 0.0054	< 0.0053	< 0.0057	< 0.0065	< 0.0055	< 0.0052
Bromoform	N	-	< 0.0056	< 0.0053	< 0.0053	< 0.0065	< 0.0052	< 0.0052	< 0.0055	< 0.0054	< 0.0054	< 0.0053	< 0.0057	< 0.0065	< 0.0055	< 0.0052
Bromomethane	N	-	< 0.0056	< 0.0053	< 0.0053	< 0.0065 R	< 0.0052 R	< 0.0052 R	< 0.0055 UJ	< 0.0054 UJ	< 0.0054	< 0.0053 R	< 0.0057	< 0.0065	< 0.0055 UJ	< 0.0052 UJ
Carbon disulfide	Y	-	< 0.011	< 0.011	< 0.01	**0.0025 J**	**0.0028 J**	**0.0015 J**	< 0.011	< 0.011	< 0.011	**0.0012 J**	< 0.011	**0.0014 J**	< 0.011	< 0.01
Carbon tetrachloride	N	22	< 0.0056	< 0.0053	< 0.0053	< 0.0065	< 0.0052	< 0.0052	< 0.0055	< 0.0054	< 0.0054	< 0.0053	< 0.0057	< 0.0065	< 0.0055	< 0.0052
Chlorobenzene	Y	500	< 0.0056 UJ	< 0.0053 UJ	< 0.0053 UJ	< 0.0065 UJ	< 0.0052 UJ	< 0.0052 UJ	< 0.0055 UJ	< 0.0054 UJ	< 0.0054 UJ	< 0.0053 UJ	< 0.0057 UJ	< 0.0065 UJ	< 0.0055 UJ	< 0.0052 UJ
Chloroethane	N	-	< 0.0056	< 0.0053	< 0.0053	< 0.0065	< 0.0052	< 0.0052	< 0.0055	< 0.0054	< 0.0054	< 0.0053	< 0.0057	< 0.0065	< 0.0055	< 0.0052
Chloroform	Y	350	< 0.0056	< 0.0053	< 0.0053	< 0.0065	< 0.0052	< 0.0052	< 0.0055	< 0.0054	< 0.0054	< 0.0053	< 0.0057	< 0.0065	< 0.0055	**0.0011 J**
Chloromethane	N	-	< 0.0056	< 0.0053	< 0.0053	< 0.0065	< 0.0052	< 0.0052	< 0.0055	< 0.0054	< 0.0054	< 0.0053	< 0.0057	< 0.0065	< 0.0055	< 0.0052
cis-1,2-Dichloroethene	N	500	< 0.0056	< 0.0053	< 0.0053	< 0.0065	< 0.0052	< 0.0052	< 0.0055	< 0.0054	< 0.0054	< 0.0053	< 0.0057	< 0.0065	< 0.0055	< 0.0052
cis-1,3-Dichloropropene	N	-	< 0.0056	< 0.0053	< 0.0053	< 0.0065	< 0.0052	< 0.0052	< 0.0055	< 0.0054	< 0.0054	< 0.0053	< 0.0057	< 0.0065	< 0.0055	< 0.0052
Cyclohexane	Y	-	< 0.011	< 0.011	< 0.01	< 0.013	< 0.01	< 0.01	< 0.011	< 0.011	< 0.011	< 0.01	< 0.011	< 0.013	< 0.011	< 0.01
Dibromochloromethane	N	-	< 0.0056	< 0.0053	< 0.0053	< 0.0065	< 0.0052	< 0.0052	< 0.0055	< 0.0054	< 0.0054	< 0.0053	< 0.0057	< 0.0065	< 0.0055	< 0.0052
Dichlorodifluoromethane (CFC-12)	N	-	< 0.0056	< 0.0053	< 0.0053	< 0.0065	< 0.0052	< 0.0052	< 0.0055	< 0.0054	< 0.0054	< 0.0053	< 0.0057	< 0.0065	< 0.0055	< 0.0052
Ethylbenzene	Y	390	**0.0027 J**	< 0.0053	< 0.0053	< 0.0065	**0.038**	< 0.0052	< 0.0055	< 0.0054	< 0.0054	< 0.0053	< 0.0057	**0.03**	< 0.0055	< 0.0052
Isopropylbenzene	Y	-	**0.0048 J**	< 0.0053	< 0.0053	< 0.0065	**0.0067**	< 0.0052	< 0.0055	< 0.0054	< 0.0054	< 0.0053	< 0.0057	**0.029**	< 0.0055	< 0.0052
Methyl acetate	N	-	< 0.011	< 0.011	< 0.01	< 0.013	< 0.01	< 0.01	< 0.011	< 0.011	< 0.011	< 0.01	< 0.011	< 0.013	< 0.011	< 0.01
Methyl cyclohexane	Y	-	< 0.011	< 0.011	< 0.01	< 0.013	< 0.01	< 0.01	< 0.011	< 0.011	< 0.011	< 0.01	< 0.011	< 0.013	< 0.011	< 0.01
Methyl tert butyl ether (MTBE)	Y	500	< 0.0056	< 0.0053	< 0.0053	< 0.0065	< 0.0052	< 0.0052	< 0.0055	< 0.0054	< 0.0054	< 0.0053	< 0.0057	< 0.0065	< 0.0055	< 0.0052
Methylene chloride	Y	500	< 0.02	**0.023**	< 0.014	< 0.017	< 0.02	**0.042**	< 0.014	< 0.0071	< 0.017	< 0.02	**0.027**	< 0.019	< 0.019	< 0.016
Styrene	Y	-	< 0.0056	< 0.0053	< 0.0053	< 0.0065	< 0.0052	< 0.0052	< 0.0055	< 0.0054	< 0.0054	< 0.0053	< 0.0057	< 0.0065	< 0.0055	< 0.0052
Tetrachloroethene	N	150	< 0.0056	< 0.0053	< 0.0053	< 0.0065	< 0.0052	< 0.0052	< 0.0055	< 0.0054	< 0.0054	< 0.0053	< 0.0057	< 0.0065	< 0.0055	< 0.0052
Toluene	Y	500	< 0.0056 UJ	< 0.0053 UJ	< 0.0053 UJ	< 0.0065 UJ	**0.0043 J**	**0.0015 J**	< 0.0055 UJ	< 0.0054 UJ	< 0.0054 UJ	< 0.0053 UJ	< 0.0057 UJ	**0.0021 J**	< 0.0055 UJ	< 0.0052 UJ
trans-1,2-Dichloroethene	N	500	< 0.0056	< 0.0053	< 0.0053	< 0.0065	< 0.0052	< 0.0052	< 0.0055	< 0.0054	< 0.0054	< 0.0053	< 0.0057	< 0.0065	< 0.0055	< 0.0052
trans-1,3-Dichloropropene	N	-	< 0.0056	< 0.0053	< 0.0053	< 0.0065	< 0.0052	< 0.0052	< 0.0055	< 0.0054	< 0.0054	< 0.0053	< 0.0057	< 0.0065	< 0.0055	< 0.0052
Trichloroethene	N	200	< 0.0056	< 0.0053	< 0.0053	< 0.0065	< 0.0052	< 0.0052	< 0.0055	< 0.0054	< 0.0054	< 0.0053	< 0.0057	< 0.0065	< 0.0055	< 0.0052
Trichlorofluoromethane (CFC-11)	Y	-	< 0.0056	< 0.0053	< 0.0053	< 0.0065	< 0.0052	**0.0012 J**	< 0.0055	< 0.0054	< 0.0054	< 0.0053	< 0.0057	< 0.0065	< 0.0055	< 0.0052
Trifluorotrichloroethane (Freon 113)	N	-	< 0.0056	< 0.0053	< 0.0053	< 0.0065	< 0.0052	< 0.0052	< 0.0055	< 0.0054	< 0.0054	< 0.0053	< 0.0057	< 0.0065	< 0.0055	< 0.0052
Vinyl chloride	N	13	< 0.0056	< 0.0053	< 0.0053	< 0.0065	< 0.0052	< 0.0052	< 0.0055	< 0.0054	< 0.0054	< 0.0053	< 0.0057	< 0.0065	< 0.0055	< 0.0052
Xylenes (total)	Y	500	**0.0072 J**	< 0.016	< 0.016	**0.0055 J**	**0.3**	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.017	**0.051**	< 0.016	< 0.016

Notes and Abbreviations:
1. Orange shading indicates result exceeds NYSDEC Part 375 Restricted Use Soil Cleanup Objectives for Commercial.
2. *Gray* shading indicates Reporting Detection Limit exceeds NYSDEC Part 375 Restricted Use Soil Cleanup Objectives for Commercial.
3. <: Compound not detected above the indicated reporting limit.
   J: Estimated result.
   R: Rejected result.
   UJ: Non-detect, reporting limit is estimated.
4. Detected compounds are in bold.

TABLE 3-8
SUMMARY OF COMMERCIAL SUBSURFACE SOIL ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location	Detected?	NYSDEC	TP-07-10	TP-09-01	TP-09-01	TP-09-02	TP-09-02	TP-09-03	TP-09-03	TP-09-03	TP-09-04	TP-09-05	TP-09-05	TP-09-05
Sample Depth		Part 375	6 - 7 ft	1.5 - 2.5 ft	6 - 7 ft	2 - 3 ft	6 - 7 ft	2.5 - 3 ft	4 - 5 ft	6.5 - 7 ft	3 - 4 ft	1.5 - 2.5 ft	1.5 - 2.5 ft	8.5 - 9 ft
Sample Date		Commercial	9/18/2007	8/21/2009	8/21/2009	8/21/2009	8/21/2009	8/20/2009	8/20/2009	8/20/2009	8/20/2009	8/20/2009	8/20/2009	8/20/2009
Sample Type		SCO											Duplicate	
Sample Name		(mg/kg)	TP-07-10(6-7)	TP-09-01(1.5-2.5)	TP-09-01(6-7)	TP-09-02(2-3)	TP-09-02(6-7)	TP-09-03(2.5-3)	TP-09-03(4-5)	TP-09-03(6.5-7)	TP-09-04(3-4)	TP-09-05(1.5-2.5)	DUP-TP-09-01	TP-09-05(8.5-9)
Cyanide (mg/kg)														
Cyanide (total)	Y	27	< 0.87	< 0.9	< 1	< 0.9	< 1.2	**7**	**2.8**	**1.8**	< 1	< 0.9	< 0.9	< 0.9
Metals (mg/kg)														
Aluminum	Y	-	**4350**	**5230 J**	**9790 J**	**7140 J**	**15600 J**	**1450 J**	**8520 J**	**18300 J**	**16000 J**	**6400 J**	**5510 J**	**10800 J**
Antimony	Y	-	< 6.4	< 0.6	< 0.6	< 0.7	< 0.7	< 0.7	< 0.7	< 0.6	< 0.7	< 0.6	< 0.6	< 0.7
Arsenic	Y	16	**2.8**	**6.8**	**2.6**	**4.8**	**8.3**	**14.3**	**2.7**	**6.3**	**7.2**	**11.6**	**17.1**	**6**
Barium	Y	400	**36.7**	**54.8**	**35**	**69.7**	**212**	**53**	**46.4**	**144**	**145**	**53.8**	**53.2**	**73.1**
Beryllium	Y	590	< 0.54	**0.524**	**0.304 J**	**0.328 J**	**0.721**	**0.131 J**	**0.353 J**	**0.821**	**0.689**	**0.543**	**0.538**	**0.457 J**
Cadmium	Y	9.3	< 0.54	**0.082 J**	< 0.048	< 0.054	**0.122 J**	< 0.052	< 0.05	< 0.047	< 0.051	< 0.047	< 0.047	< 0.053
Calcium	Y	-	**107000**	**19100**	**790**	**5490**	**2950**	**5280**	**8020**	**11500**	**4800**	**6650**	**9150**	**1680**
Chromium	Y	400	**7.5**	**6.56**	**9.55**	**7.78**	**18.4**	**1.8**	**9.28**	**21.1**	**19.8**	**7.54**	**6.97**	**12.4**
Cobalt	Y	-	< 5.4	**4.14 J**	**5.48**	**3.97 J**	**7.99**	**2.62 J**	**6.49**	**11.9**	**7.53**	**5.01**	**5.9**	**6.31**
Copper	Y	270	**12.8**	**45.1**	**9**	**13.1**	**32.4**	**14.5**	**9**	**20.3**	**27.7**	**28.5**	**41**	**21.1**
Iron	Y	-	**9750**	**9980**	**10700**	**11100**	**25400**	**5450**	**11000**	**23200**	**27100**	**12100**	**16500**	**17200**
Lead	Y	1000	**19.5**	**57.7**	**9.9**	**120**	**19.3**	**41.2**	**13.2**	**14.1**	**13.1**	**35.1**	**31.8**	**8.9**
Magnesium	Y	-	**37500**	**4280**	**2170**	**2040**	**3820**	**506**	**2400**	**6290**	**5260**	**3520**	**4590**	**3100**
Manganese	Y	10000	**277**	**212 J**	**118 J**	**163 J**	**443 J**	**31.4 J**	**180 J**	**346 J**	**582 J**	**169 J**	**189 J**	**303 J**
Mercury	Y	2.8	**0.012 J**	**0.0813**	**0.0295**	**0.0475**	**0.0881**	**0.0665**	**0.0279**	**0.0359**	**0.0491**	**0.0969**	**0.0832**	**0.0498**
Nickel	Y	310	**9.7**	**8.91**	**8.95**	**8.86**	**22.4**	**5.13**	**10.2**	**23.6**	**20.7**	**10.5**	**10.3**	**15**
Potassium	Y	-	**945**	**1060**	**831**	**806**	**2110**	**406**	**1080**	**2530**	**2140**	**1170**	**1020**	**1470**
Selenium	Y	1500	< 0.63	< 0.6	< 0.7	< 1.4	< 0.9	< 5	< 1.1	< 0.7	< 0.8	< 1.3 UJ	< 2.4	< 0.8
Silver	N	1500	< 1.1	< 0.075	< 0.083	< 0.094	< 0.094	< 0.091	< 0.088	< 0.083	< 0.089	< 0.082	< 0.083	< 0.093
Sodium	Y	-	**111**	< 162	< 147	< 196	< 219	**342**	< 242	< 163	< 216	< 248	< 270	< 141
Thallium	Y	-	< 1.1	< 0.3	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Vanadium	Y	-	**10.7**	**15.5**	**15.6**	**14.3**	**28.8**	**5.92**	**14.7**	**30.8**	**30.1**	**13.3**	**12.7**	**20.3**
Zinc	Y	10000	**57 J**	**80**	**42.1**	**50.1**	**77.2**	**14.3**	**27.1**	**55.4**	**88.6**	**67**	**71.3**	**56.8**
PAHs (mg/kg)														
2-Methyl naphthalene	Y	-	< 0.36	< 0.046	< 0.0024	< 0.0025	< 0.0027	< 0.026	< 0.024	< 0.0026	< 0.0025	**0.089 J**	**0.26 J**	< 0.0025
Acenaphthene	Y	500	< 0.36	< 0.044	< 0.0024	< 0.0025	< 0.0026	< 0.025	< 0.023	< 0.0025	< 0.0025	**0.21 J**	**0.39 J**	< 0.0024
Acenaphthylene	Y	500	**0.031 J**	< 0.031	< 0.0016	< 0.0017	< 0.0018	< 0.017	< 0.016	< 0.0018	< 0.0017	< 0.017	< 0.017	< 0.0017
Anthracene	Y	500	**0.017 J**	< 0.097	< 0.0051	< 0.0054	< 0.0058	**0.48 J**	**0.42 J**	< 0.0055	< 0.0054	**0.98 J**	**1.6 J**	< 0.0052
Benzo(a)anthracene	Y	5.6	**0.3 J**	**3.1 J**	< 0.0035	**0.037 J**	< 0.0039	**1.7 J**	**2.8 J**	**0.072 J**	< 0.0036	**3.7 J**	**4 J**	< 0.0035
Benzo(a)pyrene	Y	1	**0.46**	**3.7 J**	< 0.0048	**0.047 J**	< 0.0054	**1.9 J**	**3 J**	**0.079 J**	< 0.0051	**4.8**	**4.3**	< 0.0049
Benzo(b)fluoranthene	Y	5.6	**0.57**	**5.8 J**	< 0.0039	**0.046 J**	< 0.0044	**2.6 J**	**4.1**	**0.087 J**	< 0.0041	**6.4**	**4.7**	< 0.0039
Benzo(g,h,i)perylene	Y	500	**0.2 J**	**2.6 J**	< 0.0024	**0.04 J**	< 0.0027	**1.1 J**	**1.7 J**	**0.048 J**	< 0.0025	**3.9 J**	**3.3 J**	< 0.0024
Benzo(k)fluoranthene	Y	56	< 0.36	< 0.042	< 0.0022	**0.024 J**	< 0.0025	< 0.023	< 0.022	**0.026 J**	< 0.0023	< 0.023 UJ	**1.5 J**	< 0.0022
Chrysene	Y	56	**0.25 J**	**3.2 J**	< 0.002	**0.036 J**	< 0.0023	**1.6 J**	**2.5 J**	**0.061 J**	< 0.0021	**3.7 J**	**3.6 J**	< 0.002
Dibenzo(a,h)anthracene	Y	0.56	**0.31 J**	**0.52 J**	< 0.0024	< 0.0025	< 0.0026	**0.26 J**	**0.43 J**	< 0.0025	< 0.0025	**0.96 J**	**0.8 J**	< 0.0024
Fluoranthene	Y	500	**0.56**	**5.1 J**	< 0.0029	**0.039 J**	< 0.0033	**2.7 J**	**5.5**	**0.11 J**	< 0.003	**5.6**	**7.1**	< 0.0029
Fluorene	Y	500	< 0.36	< 0.087	< 0.0046	< 0.0048	< 0.0052	< 0.049	< 0.046	< 0.005	< 0.0048	**0.27 J**	**0.55 J**	< 0.0047
Indeno(1,2,3-cd)pyrene	Y	5.6	**0.38**	**2.2 J**	< 0.0055	**0.033 J**	< 0.0062	**1 J**	**1.6 J**	**0.047 J**	< 0.0058	**3.5 J**	**2.9 J**	< 0.0056
Naphthalene	Y	500	**0.028 J**	< 0.063	< 0.0033	< 0.0035	< 0.0037	< 0.035	< 0.033	< 0.0036	< 0.0035	< 0.034	< 0.035	< 0.0034
Phenanthrene	Y	500	**0.049 J**	**2.4 J**	< 0.0042	< 0.0044	< 0.0047	**0.65 J**	**0.61 J**	< 0.0045	< 0.0044	**3.4 J**	**5.7**	< 0.0043
Pyrene	Y	500	**0.38**	**4 J**	< 0.0013	**0.039 J**	< 0.0015	**2.2 J**	**4.5**	**0.098 J**	< 0.0014	**4.8**	**6**	< 0.0013
Total PAHs	-	-	**3.535**	**32.62**	-	**0.341**	-	**16.19**	**27.16**	**0.628**	-	**42.309**	**46.7**	-
SVOCs (mg/kg)														
2,2'-Oxybis(1-Chloropropane)	N	-	-	< 0.4	< 0.021	< 0.022	< 0.024	< 0.22	< 0.21	< 0.023	< 0.022	< 0.21	< 0.22	< 0.021
2,2-oxybis(1-Chloropropane)	N	-	< 0.36	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	N	-	< 0.36	< 0.82	< 0.044	< 0.046	< 0.049	< 0.46	< 0.43	< 0.047	< 0.046	< 0.45	< 0.46	< 0.044
2,4,6-Trichlorophenol	N	-	< 0.36	< 0.25	< 0.013	< 0.014	< 0.015	< 0.14	< 0.13	< 0.014	< 0.014	< 0.14	< 0.14	< 0.013
2,4-Dichlorophenol	N	-	< 0.36	< 0.2	< 0.01	< 0.011	< 0.012	< 0.11	< 0.1	< 0.011	< 0.011	< 0.11	< 0.11	< 0.011
2,4-Dimethylphenol	Y	-	< 0.36	< 1	< 0.054	< 0.057	< 0.061	< 0.58	< 0.53	< 0.058	< 0.057	< 0.55	< 0.57	< 0.055
2,4-Dinitrophenol	N	-	< 1.8	< 1.3	< 0.07	< 0.073	< 0.079	< 0.74	< 0.69	< 0.075	< 0.074	< 0.72	< 0.74	< 0.071
2,4-Dinitrotoluene	N	-	< 0.36	< 0.59	< 0.031	< 0.032	< 0.035	< 0.33	< 0.31	< 0.033	< 0.033	< 0.32	< 0.33	< 0.031
2,6-Dinitrotoluene	N	-	< 0.36	< 0.93	< 0.049	< 0.051	< 0.055	< 0.52	< 0.48	< 0.053	< 0.051	< 0.5	< 0.52	< 0.05

TABLE 3-8
SUMMARY OF COMMERCIAL SUBSURFACE SOIL ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location	Detected?	NYSDEC	TP-07-10	TP-09-01	TP-09-01	TP-09-02	TP-09-02	TP-09-03	TP-09-03	TP-09-03	TP-09-04	TP-09-05	TP-09-05	TP-09-05
Sample Depth		Part 375	6 - 7 ft	1.5 - 2.5 ft	6 - 7 ft	2 - 3 ft	6 - 7 ft	2.5 - 3 ft	4 - 5 ft	6.5 - 7 ft	3 - 4 ft	1.5 - 2.5 ft	1.5 - 2.5 ft	8.5 - 9 ft
Sample Date		Commercial	9/18/2007	8/21/2009	8/21/2009	8/21/2009	8/21/2009	8/20/2009	8/20/2009	8/20/2009	8/20/2009	8/20/2009	8/20/2009	8/20/2009
Sample Type		SCO											Duplicate	
Sample Name		(mg/kg)	TP-07-10(6-7)	TP-09-01(1.5-2.5)	TP-09-01(6-7)	TP-09-02(2-3)	TP-09-02(6-7)	TP-09-03(2.5-3)	TP-09-03(4-5)	TP-09-03(6.5-7)	TP-09-04(3-4)	TP-09-05(1.5-2.5)	DUP-TP-09-01	TP-09-05(8.5-9)
2-Chloronaphthalene	N	-	< 0.36	< 0.25	< 0.013	< 0.014	< 0.015	< 0.14	< 0.13	< 0.014	< 0.014	< 0.14	< 0.14	< 0.014
2-Chlorophenol	N	-	< 0.36	< 0.19	< 0.01	< 0.011	< 0.011	< 0.11	< 0.1	< 0.011	< 0.011	< 0.1	< 0.11	< 0.01
2-Methylphenol	Y	500	< 0.36	< 0.12	< 0.0062	< 0.0065	< 0.0069	< 0.065	< 0.061	< 0.0066	< 0.0065	< 0.063	< 0.065	< 0.0063
2-Nitroaniline	N	-	< 1.8	< 1.2	< 0.064	< 0.067	< 0.072	< 0.68	< 0.63	< 0.069	< 0.067	< 0.66	< 0.68	< 0.065
2-Nitrophenol	N	-	< 0.36	< 0.17	< 0.0091	< 0.0096	< 0.01	< 0.097	< 0.09	< 0.0099	< 0.0096	< 0.094	< 0.097	< 0.0093
3,3-Dichlorobenzidine	N	-	< 0.36 UJ	< 3.3	< 0.18	< 0.18	< 0.2	< 1.9	< 1.7	< 0.19	< 0.18	< 1.8	< 1.9	< 0.18
3-Nitroaniline	N	-	< 1.8	< 0.87	< 0.046	< 0.048	< 0.052	< 0.49	< 0.46	< 0.05	< 0.048	< 0.47	< 0.49	< 0.047
4,6-Dinitro-2-methylphenol	N	-	< 1.8	< 1.3	< 0.069	< 0.072	< 0.078	< 0.74	< 0.68	< 0.075	< 0.073	< 0.71	< 0.73	< 0.07
4-Bromophenyl phenyl ether	N	-	< 0.36	< 1.2	< 0.064	< 0.067	< 0.072	< 0.68	< 0.63	< 0.069	< 0.067	< 0.65	< 0.68	< 0.065
4-Chloro-3-methylphenol	N	-	< 0.36	< 0.16	< 0.0082	< 0.0086	< 0.0093	< 0.088	< 0.081	< 0.0089	< 0.0087	< 0.084	< 0.087	< 0.0084
4-Chloroaniline	N	-	< 0.36	< 1.1	< 0.059	< 0.062	< 0.066	< 0.62	< 0.58	< 0.063	< 0.062	< 0.6	< 0.62	< 0.06
4-Chlorophenyl phenyl ether	N	-	< 0.36	< 0.081	< 0.0043	< 0.0045	< 0.0048	< 0.045	< 0.042	< 0.0046	< 0.0045	< 0.044	< 0.045	< 0.0043
4-Methylphenol	Y	500	< 0.36	< 0.21	< 0.011	< 0.012	< 0.013	< 0.12	< 0.11	< 0.012	< 0.012	< 0.11	< 0.12	< 0.011
4-Nitroaniline	N	-	< 1.8	< 0.42	< 0.022	< 0.023	< 0.025	< 0.24	< 0.22	< 0.024	< 0.024	< 0.23	< 0.24	< 0.023
4-Nitrophenol	N	-	< 1.8 UJ	< 0.92	< 0.048	< 0.051	< 0.055	< 0.52	< 0.48	< 0.052	< 0.051	< 0.5	< 0.51	< 0.049
Acetophenone	N	-	< 0.36	< 0.19 R	< 0.01 R	< 0.011 R	< 0.012 R	< 0.11 R	< 0.1 R	< 0.011 R	< 0.011 R	< 0.11 R	< 0.11 R	< 0.01 R
Atrazine	N	-	< 0.36	< 0.17	< 0.0089	< 0.0093	< 0.01	< 0.095	< 0.088	< 0.0096	< 0.0094	< 0.091	< 0.095	< 0.009
Benzaldehyde	Y	-	< 0.36	< 0.41	< 0.022	< 0.023	< 0.025	< 0.23	< 0.22	< 0.024	< 0.023	< 0.22	< 0.23	< 0.022
Biphenyl	Y	-	< 0.36	< 0.24	< 0.012	< 0.013	< 0.014	< 0.13	< 0.12	< 0.013	< 0.013	< 0.13	< 0.13	< 0.013
bis(2-Chloroethoxy)methane	N	-	< 0.36	< 0.21 R	< 0.011 R	< 0.011 R	< 0.012 R	< 0.12 R	< 0.11 R	< 0.012 R	< 0.011 R	< 0.11 R	< 0.12 R	< 0.011 R
bis(2-Chloroethyl)ether	N	-	< 0.36	< 0.33	< 0.017	< 0.018	< 0.019	< 0.18	< 0.17	< 0.019	< 0.018	< 0.18	< 0.18	< 0.018
bis(2-Ethylhexyl)phthalate	Y	-	< 0.36	< 1.2	< 0.064	< 0.068	< 0.073	< 0.69	< 0.64	< 0.07	< 0.068	< 0.66	< 0.68	< 0.066
Butyl benzylphthalate	N	-	< 0.36	< 1	< 0.054	< 0.056	< 0.06	< 0.57	< 0.53	< 0.058	< 0.057	< 0.55	< 0.57	< 0.055
Caprolactam	N	-	< 1.8	< 1.6	< 0.087	< 0.091	< 0.097	< 0.92	< 0.86	< 0.093	< 0.091	< 0.89	< 0.92	< 0.088
Carbazole	Y	-	**0.027 J**	< 0.044	< 0.0023	< 0.0024	< 0.0026	< 0.025	< 0.023	< 0.0025	< 0.0024	**0.34 J**	**0.55 J**	< 0.0024
Dibenzofuran	Y	350	< 0.36	< 0.039	< 0.0021	< 0.0022	< 0.0023	< 0.022	< 0.021	< 0.0022	< 0.0022	**0.19 J**	**0.48 J**	< 0.0021
Diethyl phthalate	N	-	< 0.36	< 0.11	< 0.006	< 0.0063	< 0.0068	< 0.064	< 0.06	< 0.0065	< 0.0064	< 0.062	< 0.064	< 0.0061
Dimethyl phthalate	N	-	< 0.36	< 0.099	< 0.0052	< 0.0055	< 0.0059	< 0.056	< 0.052	< 0.0056	< 0.0055	< 0.053	< 0.055	< 0.0053
Di-n-butylphthalate	N	-	< 0.36	< 1.3	< 0.069	< 0.073	< 0.078	< 0.74	< 0.68	< 0.075	< 0.073	< 0.71	< 0.73	< 0.07
Di-n-octyl phthalate	Y	-	< 0.36	< 0.088	< 0.0047	< 0.0049	< 0.0053	< 0.05	< 0.046	< 0.005	< 0.0049	< 0.048	< 0.05	< 0.0048
Hexachlorobenzene	N	6	< 0.36	< 0.19	< 0.0099	< 0.01	< 0.011	< 0.11	< 0.098	< 0.011	< 0.01	< 0.1	< 0.11	< 0.01
Hexachlorobutadiene	N	-	< 0.36	< 0.19	< 0.01	< 0.011	< 0.012	< 0.11	< 0.1	< 0.011	< 0.011	< 0.1	< 0.11	< 0.01
Hexachlorocyclopentadiene	N	-	< 0.36	< 1.1	< 0.06	< 0.063	< 0.068	< 0.64	< 0.6	< 0.065	< 0.064	< 0.62	< 0.64	< 0.061
Hexachloroethane	N	-	< 0.36	< 0.29	< 0.015	< 0.016	< 0.017	< 0.16	< 0.15	< 0.017	< 0.016	< 0.16	< 0.16	< 0.016
Isophorone	N	-	< 0.36	< 0.19	< 0.01	< 0.01	< 0.011	< 0.11	< 0.099	< 0.011	< 0.011	< 0.1	< 0.11	< 0.01
Nitrobenzene	N	-	< 0.36	< 0.17	< 0.0089	< 0.0093	< 0.01	< 0.094	< 0.088	< 0.0096	< 0.0093	< 0.091	< 0.094	< 0.009
N-Nitrosodi-n-propylamine	N	-	< 0.36	< 0.3	< 0.016	< 0.017	< 0.018	< 0.17	< 0.16	< 0.017	< 0.017	< 0.16	< 0.17	< 0.016
N-Nitrosodiphenylamine	N	-	< 0.36	< 0.21	< 0.011	< 0.011	< 0.012	< 0.12	< 0.11	< 0.012	< 0.012	< 0.11	< 0.12	< 0.011
Pentachlorophenol	N	6.7	< 0.36	< 1.3	< 0.069	< 0.072	< 0.077	< 0.73	< 0.68	< 0.074	< 0.072	< 0.7	< 0.73	< 0.07
Phenol	Y	500	< 0.36	< 0.4	< 0.021	< 0.022	< 0.024	< 0.22	< 0.21	< 0.023	< 0.022	< 0.22	< 0.22	< 0.021
VOCs (mg/kg)														
1,1,1-Trichloroethane	N	500	< 0.0053	< 0.0004	< 0.00043	< 0.00045	< 0.0005	< 0.00046	< 0.00043	< 0.00046	< 0.00043	< 0.00044	< 0.00045	< 0.00044
1,1,2,2-Tetrachloroethane	N	-	< 0.0053	< 0.0009	< 0.00095	< 0.001	< 0.0011	< 0.001	< 0.00095	< 0.001	< 0.00096	< 0.00098	< 0.001	< 0.00099
1,1,2-Trichloroethane	N	-	< 0.0053	< 0.00028	< 0.00029	< 0.00031	< 0.00034	< 0.00031	< 0.00029	< 0.00032	< 0.0003	< 0.0003	< 0.00031	< 0.00031
1,1-Dichloroethane	N	240	< 0.0053	< 0.00027	< 0.00029	< 0.00031	< 0.00034	< 0.00031	< 0.00029	< 0.00031	< 0.00029	< 0.0003	< 0.00031	< 0.0003
1,1-Dichloroethene	N	500	< 0.0053	< 0.00068	< 0.00072	< 0.00077	< 0.00084	< 0.00077	< 0.00072	< 0.00077	< 0.00073	< 0.00074	< 0.00076	< 0.00074
1,2,4-Trichlorobenzene	N	-	< 0.0053	< 0.00034	< 0.00036	< 0.00038	< 0.00042	< 0.00038	< 0.00036	< 0.00038	< 0.00036	< 0.00037	< 0.00038	< 0.00037
1,2-Dibromo-3-chloropropane (DBCP)	N	-	< 0.0053 UJ	< 0.0011	< 0.0012	< 0.0012	< 0.0014	< 0.0012	< 0.0012	< 0.0013	< 0.0012	< 0.0012	< 0.0012	< 0.0012
1,2-Dibromoethane	N	-	< 0.0053	< 0.00021	< 0.00022	< 0.00024	< 0.00026	< 0.00024	< 0.00022	< 0.00024	< 0.00023	< 0.00023	< 0.00024	< 0.00023
1,2-Dichlorobenzene	N	500	< 0.0053	< 0.00084	< 0.00088	< 0.00094	< 0.001	< 0.00094	< 0.00088	< 0.00095	< 0.00089	< 0.00091	< 0.00094	< 0.00092
1,2-Dichloroethane	N	30	< 0.0053 UJ	< 0.00028	< 0.00029	< 0.00031	< 0.00034	< 0.00031	< 0.00029	< 0.00032	< 0.0003	< 0.0003	< 0.00031	< 0.00031
1,2-Dichloropropane	N	-	< 0.0053	< 0.00028	< 0.0003	< 0.00032	< 0.00035	< 0.00032	< 0.0003	< 0.00032	< 0.0003	< 0.00031	< 0.00032	< 0.00031
1,3-Dichlorobenzene	N	280	< 0.0053	< 0.00079	< 0.00083	< 0.00088	< 0.00097	< 0.00089	< 0.00083	< 0.00089	< 0.00084	< 0.00085	< 0.00088	< 0.00086
1,4-Dichlorobenzene	N	130	< 0.0053	< 0.00078	< 0.00082	< 0.00088	< 0.00096	< 0.00088	< 0.00082	< 0.00089	< 0.00083	< 0.00084	< 0.00087	< 0.00085
2-Butanone	Y	500	< 0.011	< 0.0076	< 0.008	< 0.0085	< 0.0093	< 0.0085	< 0.008	< 0.0086	< 0.0081	< 0.0082	< 0.0085	< 0.0083
2-Hexanone	N	-	< 0.011	< 0.0019	< 0.002	< 0.0022	< 0.0024	< 0.0022	< 0.002	< 0.0022	< 0.0021	< 0.0021	< 0.0022	< 0.0021
4-Methyl-2-pentanone	N	-	< 0.011	< 0.0018	< 0.0019	< 0.0021	< 0.0023	< 0.0021	< 0.0019	< 0.0021	< 0.0019	< 0.002	< 0.002	< 0.002

TABLE 3-8
SUMMARY OF COMMERCIAL SUBSURFACE SOIL ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location	Detected?	NYSDEC	TP-07-10	TP-09-01	TP-09-01	TP-09-02	TP-09-02	TP-09-03	TP-09-03	TP-09-03	TP-09-04	TP-09-05	TP-09-05	TP-09-05
Sample Depth		Part 375	6 - 7 ft	1.5 - 2.5 ft	6 - 7 ft	2 - 3 ft	6 - 7 ft	2.5 - 3 ft	4 - 5 ft	6.5 - 7 ft	3 - 4 ft	1.5 - 2.5 ft	1.5 - 2.5 ft	8.5 - 9 ft
Sample Date		Commercial	9/18/2007	8/21/2009	8/21/2009	8/21/2009	8/21/2009	8/20/2009	8/20/2009	8/20/2009	8/20/2009	8/20/2009	8/20/2009	8/20/2009
Sample Type		SCO											Duplicate	
Sample Name		(mg/kg)	TP-07-10(6-7)	TP-09-01(1.5-2.5)	TP-09-01(6-7)	TP-09-02(2-3)	TP-09-02(6-7)	TP-09-03(2.5-3)	TP-09-03(4-5)	TP-09-03(6.5-7)	TP-09-04(3-4)	TP-09-05(1.5-2.5)	DUP-TP-09-01	TP-09-05(8.5-9)
Acetone	Y	500	< 0.021	< 0.0012	**0.026 J**	< 0.0014	**0.01 J**	**0.13**	< 0.0013	**0.045**	< 0.0013	< 0.0013	< 0.0014	**0.045**
Benzene	Y	44	< 0.0053	< 0.00027	< 0.00029	< 0.00031	< 0.00034	< 0.00031	< 0.00029	< 0.00031	< 0.00029	< 0.0003	< 0.0003	< 0.0003
Bromodichloromethane	N	-	< 0.0053	< 0.00029	< 0.0003	< 0.00032	< 0.00035	< 0.00032	< 0.0003	< 0.00033	< 0.00031	< 0.00031	< 0.00032	< 0.00031
Bromoform	N	-	< 0.0053	< 0.00051	< 0.00054	< 0.00058	< 0.00063	< 0.00058	< 0.00054	< 0.00058	< 0.00055	< 0.00056	< 0.00057	< 0.00056
Bromomethane	N	-	< 0.0053 UJ	< 0.00051	< 0.00054	< 0.00057	< 0.00063	< 0.00058	< 0.00054	< 0.00058	< 0.00055	< 0.00055	< 0.00057	< 0.00056
Carbon disulfide	Y	-	< 0.011	< 0.00048 UJ	< 0.0005 UJ	< 0.00054 UJ	< 0.00059 UJ	< 0.00054 UJ	< 0.0005 UJ	< 0.00054 UJ	< 0.00051 UJ	< 0.00052 UJ	< 0.00053 UJ	< 0.00052 UJ
Carbon tetrachloride	N	22	< 0.0053	< 0.0002	< 0.00021	< 0.00023	< 0.00025	< 0.00023	< 0.00021	< 0.00023	< 0.00022	< 0.00022	< 0.00023	< 0.00022
Chlorobenzene	Y	500	< 0.0053 UJ	< 0.00024	< 0.00026	< 0.00027	< 0.0003	< 0.00027	< 0.00026	< 0.00028	< 0.00026	< 0.00026	< 0.00027	< 0.00026
Chloroethane	N	-	< 0.0053	< 0.0009	< 0.00095	< 0.001	< 0.0011	< 0.001	< 0.00095	< 0.001	< 0.00096	< 0.00098	< 0.001	< 0.00098
Chloroform	Y	350	< 0.0053	< 0.00034	< 0.00036	< 0.00039	< 0.00042	< 0.00039	< 0.00036	< 0.00039	< 0.00037	< 0.00037	< 0.00038	< 0.00038
Chloromethane	N	-	< 0.0053	< 0.00034	< 0.00035	< 0.00038	< 0.00041	< 0.00038	< 0.00035	< 0.00038	< 0.00036	< 0.00036	< 0.00038	< 0.00037
cis-1,2-Dichloroethene	N	500	< 0.0053	< 0.00027	< 0.00029	< 0.00031	< 0.00034	< 0.00031	< 0.00029	< 0.00031	< 0.00029	< 0.0003	< 0.00031	< 0.0003
cis-1,3-Dichloropropene	N	-	< 0.0053	< 0.00032	< 0.00033	< 0.00036	< 0.00039	< 0.00036	< 0.00033	< 0.00036	< 0.00034	< 0.00034	< 0.00035	< 0.00035
Cyclohexane	Y	-	< 0.011	< 0.00026 UJ	< 0.00027 UJ	< 0.00029 UJ	< 0.00032 UJ	< 0.00029 UJ	< 0.00027 UJ	< 0.00029 UJ	< 0.00027 UJ	< 0.00028 UJ	< 0.00029 UJ	< 0.00028 UJ
Dibromochloromethane	N	-	< 0.0053	< 0.00031	< 0.00032	< 0.00035	< 0.00038	< 0.00035	< 0.00032	< 0.00035	< 0.00033	< 0.00033	< 0.00034	< 0.00034
Dichlorodifluoromethane (CFC-12)	N	-	< 0.0053	< 0.00046	< 0.00048	< 0.00052	< 0.00057	< 0.00052	< 0.00048	< 0.00052	< 0.00049	< 0.0005	< 0.00051	< 0.0005
Ethylbenzene	Y	390	< 0.0053	< 0.00038	< 0.0004	< 0.00043	< 0.00047	< 0.00043	< 0.0004	< 0.00044	< 0.00041	< 0.00042	< 0.00043	< 0.00042
Isopropylbenzene	Y	-	< 0.0053	< 0.00036	< 0.00038	< 0.00041	< 0.00045	< 0.00041	< 0.00038	< 0.00041	< 0.00039	< 0.0004	< 0.00041	< 0.0004
Methyl acetate	N	-	< 0.011	< 0.0003	< 0.00032	< 0.00034	< 0.00037	< 0.00034	< 0.00032	< 0.00034	< 0.00032	< 0.00033	< 0.00034	< 0.00033
Methyl cyclohexane	Y	-	< 0.011	< 0.00036	< 0.00038	< 0.00041	< 0.00044	< 0.00041	< 0.00038	< 0.00041	< 0.00039	< 0.00039	< 0.0004	< 0.00039
Methyl tert butyl ether (MTBE)	Y	500	< 0.0053	< 0.00055	< 0.00058	< 0.00061	< 0.00067	< 0.00062	< 0.00058	< 0.00062	< 0.00058	< 0.00059	< 0.00061	< 0.0006
Methylene chloride	Y	500	< 0.017	< 0.00039	< 0.0026	< 0.0046	< 0.013	< 0.0028	< 0.0054	< 0.01	< 0.004	< 0.00042	< 0.0042	< 0.011
Styrene	Y	-	< 0.0053	< 0.00028	< 0.00029	< 0.00031	< 0.00034	< 0.00031	< 0.00029	< 0.00032	< 0.0003	< 0.0003	< 0.00031	< 0.0003
Tetrachloroethene	N	150	< 0.0053	< 0.00075	< 0.00079	< 0.00084	< 0.00092	< 0.00084	< 0.00079	< 0.00085	< 0.0008	< 0.00081	< 0.00083	< 0.00082
Toluene	Y	500	< 0.0053 UJ	< 0.00094	< 0.00099	< 0.0011	< 0.0012	< 0.0011	< 0.00099	< 0.0011	< 0.001	< 0.001	< 0.0011	< 0.001
trans-1,2-Dichloroethene	N	500	< 0.0053	< 0.00057	< 0.0006	< 0.00065	< 0.00071	< 0.00065	< 0.00061	< 0.00065	< 0.00061	< 0.00062	< 0.00064	< 0.00063
trans-1,3-Dichloropropene	N	-	< 0.0053	< 0.00027	< 0.00029	< 0.00031	< 0.00034	< 0.00031	< 0.00029	< 0.00031	< 0.00029	< 0.0003	< 0.0003	< 0.0003
Trichloroethene	N	200	< 0.0053	< 0.00038	< 0.0004	< 0.00043	< 0.00047	< 0.00043	< 0.0004	< 0.00044	< 0.00041	< 0.00042	< 0.00043	< 0.00042
Trichlorofluoromethane (CFC-11)	Y	-	< 0.0053	< 0.0017	< 0.0018	< 0.002	< 0.0021	< 0.002	< 0.0018	< 0.002	< 0.0019	< 0.0019	< 0.0019	< 0.0019
Trifluorotrichloroethane (Freon 113)	N	-	< 0.0053	< 0.00059	< 0.00062	< 0.00066	< 0.00073	< 0.00066	< 0.00062	< 0.00067	< 0.00063	< 0.00064	< 0.00066	< 0.00064
Vinyl chloride	N	13	< 0.0053	< 0.00023	< 0.00024	< 0.00026	< 0.00028	< 0.00026	< 0.00024	< 0.00026	< 0.00024	< 0.00025	< 0.00025	< 0.00025
Xylenes (total)	Y	500	< 0.016	< 0.00093	< 0.00098	< 0.0011	< 0.0012	< 0.0011	< 0.00099	< 0.0011	< 0.001	< 0.001	< 0.001	< 0.001

Notes and Abbreviations:
1. Orange shading indicates result exceeds NYSDEC Part 375 Restricted Use Soil Cleanup Objectives for Commercial.
2. *Gray* shading indicates Reporting Detection Limit exceeds NYSDEC Part 375 Restricted Use Soil Cleanup Objectives for Commercial.
3. <: Compound not detected above the indicated reporting limit.
   J: Estimated result.
   R: Rejected result.
   UJ: Non-detect, reporting limit is estimated.
4. Detected compounds are in bold.

TABLE 3-9
SUMMARY OF RESIDENTIAL SURFACE SOIL ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location	Detected?	NYSDEC	HA-09-01	HA-09-02	HA-09-03	HA-09-04	HA-09-05	HA-09-08	SS-07-01	SS-07-02	SS20201	SS20201	SS20202	SS20203
Sample Depth		Part 375	0.25 - 0.42 ft	0.21 - 0.38 ft	0.17 - 0.33 ft	0.5 - 0.67 ft	0.04 - 0.21 ft	0 - 0.17 ft	0 - 0.17 ft	0 - 0.17 ft	0 - 0.2 ft	0 - 0.2 ft	0 - 0.2 ft	0 - 0.2 ft
Sample Date		Unrestricted Use	9/1/2009	9/1/2009	9/1/2009	9/1/2009	9/1/2009	9/1/2009	11/16/2007	11/16/2007	11/26/2002	11/26/2002	11/26/2002	11/26/2002
Sample Type		SCO										Duplicate		
Sample Name		(mg/kg)	LOC1-090109-1000	LOC2-090109-1040	LOC3-090109-1105	LOC4-090109-1135	LOC5-090109-1300	LOC8-090109-1325	SS-07-01	SS-07-02	SFSS00020201	SFSS00020204DUP	SFSS00020202	SFSS00020203
Cyanide (mg/kg)														
Cyanide (total)	Y	27	< 1.1 UJ	< 0.9 UJ	< 1 UJ	< 1 UJ	< 0.8 UJ	< 0.9 UJ	< 1.03	< 1.45	< 0.631	< 0.599	**0.203 B**	< 0.788
Cyanide, Amenable to Chlorination	Y	-	-	-	-	-	-	-	-	-	< 0.631	< 0.599	**0.203 B**	< 0.788
Metals (mg/kg)														
Aluminum	Y	-	**13400 J**	**7730 J**	**6480 J**	**14100 J**	**6450 J**	**6310 J**	**6620 J**	**6730 J**	**7550**	**7850**	**7700**	**13500**
Antimony	Y	-	< 0.7 R	< 0.6 R	**0.7 J**	< 0.6 R	< 0.6 R	< 0.6 R	< 7.5 UJ	< 10 UJ	< 13.4 UJ	< 11.3 UJ	**1.8 BJ**	< 15 UJ
Arsenic	Y	13	**6.4**	**3.3**	**3.5**	**3.5**	**4.3**	**6.1**	**5.8**	**30.5**	**8.7 B**	**7.6 B**	**15.4**	**8 B**
Barium	Y	350	**101 J**	**48.9 J**	**44 J**	**99.9 J**	**71 J**	**123 J**	**68.5 J**	**279 J**	**120**	**94.9**	**1070**	**114**
Beryllium	Y	7.2	**0.664**	**0.281**	**0.294**	**0.687**	**0.347**	**0.345**	< 0.62	< 0.83	< 2.3	**0.52 B**	**0.6 B**	**2 B**
Cadmium	Y	2.5	**0.19 J**	< 0.044	**0.078 J**	**0.223 J**	**0.315 J**	**1.18**	< 0.62	**1.1**	*< 3.4*	*< 2.9*	**2.4 B**	*< 3.9*
Calcium	Y	-	**17600 J**	**19300 J**	**12000 J**	**10400 J**	**20200 J**	**49800 J**	**4400 J**	**4720 J**	**32200 J**	**51800 J**	**17500 J**	**2930 J**
Chromium	Y	-	**16.7**	**8.8**	**7.73**	**20.2**	**9.51**	**10.1**	**8.5 J**	**13.9 J**	**15.4**	**13.1**	**17.9**	**13.6**
Cobalt	Y	-	**9.82**	**3.95 J**	**4.52 J**	**7.53**	**4.43 J**	**5.73**	< 6.2	< 8.3	**7**	**6.4**	**8.2**	**16.1**
Copper	Y	50	**24.2**	**15.2**	**13**	**20.5**	**40.4**	**36**	**29.6**	**96.8**	**93.5**	**96.6**	**67.9**	**74.1**
Iron	Y	-	**21000 J**	**10300 J**	**9810 J**	**17400 J**	**11800 J**	**11400 J**	**14000 J**	**9150 J**	**21700**	**17300**	**13000**	**3800**
Lead	Y	63	**40.4**	**32.2**	**21.7**	**23.8**	**66.7**	**187**	**101 J**	**871 J**	**221**	**182**	**2150**	**41.1**
Magnesium	Y	-	**10600 J**	**6270 J**	**4400 J**	**9030 J**	**5610 J**	**6090 J**	**2280**	**1700**	**11100**	**11300**	**5420**	**317**
Manganese	Y	1600	**608 J**	**197 J**	**341 J**	**227 J**	**392 J**	**310 J**	**588 J**	**228 J**	**437**	**406**	**287**	**34.9**
Mercury	Y	0.18	**0.335 J**	**0.0609 J**	**0.0697 J**	**0.0909 J**	**0.1 J**	**0.263 J**	**0.188 J**	**1.2 J**	**0.73 B**	**0.49 B**	**0.45 B**	**0.1 B**
Nickel	Y	30	**18.2**	**9.1**	**8.55**	**18.3**	**10.6**	**13.3**	**10.4 J**	**13.6 J**	**17.2**	**16.2**	**18.9**	**26.5**
Potassium	Y	-	**1770**	**1070**	**805**	**1360**	**1050**	**1260**	**722**	**893**	**2420 J**	**2630 J**	**1710 J**	**1490 J**
Selenium	Y	3.9	< 0.7	< 0.7	< 0.7	< 0.7	< 0.6	< 0.7	**1.5**	**3.6**	*< 18.4 UJ*	*< 15.5 UJ*	**2.3 BJ**	*< 20.5 UJ*
Silver	Y	2	< 0.088	< 0.077	< 0.082	< 0.082	< 0.076	< 0.078	< 1.2	< 1.7	*< 3.4*	*< 2.9*	**0.42 B**	*< 3.9*
Sodium	Y	-	**65.6**	**100**	**128**	**80.8**	**129**	**127**	< 62.1	**165**	**140**	**186**	**157**	**234**
Thallium	N	-	< 0.4	< 0.3	< 0.4	< 0.4	< 0.3	< 0.3	< 1.2	< 1.7	< 25.2	< 21.3	< 24.6	< 28.2
Vanadium	Y	-	**25.8**	**14.6**	**11.8**	**21.4**	**14**	**13**	**20.6**	**19.6**	**23.5**	**19.1**	**25.1**	**31.2**
Zinc	Y	109	**78.5**	**57.5**	**42.9**	**87.8**	**104**	**179**	**141 J**	**553 J**	**183**	**167**	**1650**	**53.9**
Miscellaneous (mg/kg)														
Phenolics, Total Recoverable	Y	-	-	-	-	-	-	-	-	-	**1.7**	**2.9**	**1.4**	**0.74**
PAHs (mg/kg)														
2-Methyl naphthalene	Y	-	< 0.052	< 0.11	< 0.12	< 0.13	< 0.11	< 0.11	< 2	< 2.5	< 4.2	**0.55 J**	< 0.18	< 0.54
Acenaphthene	Y	20	< 0.05	< 0.11	< 0.11	< 0.12	< 0.11	< 0.11	**0.046 J**	< 2.5	**0.24 J**	**0.65 J**	< 2.1	< 0.54
Acenaphthylene	Y	100	< 0.035	< 0.074	< 0.079	< 0.086	< 0.075	< 0.076	**0.26 J**	**0.11 J**	**1.3 J**	**2.5 J**	**0.55 J**	< 0.54
Anthracene	Y	100	< 0.11	< 0.23	< 0.25	< 0.27	< 0.23	< 0.24	**0.47 J**	**0.18 J**	**2.8 J**	**5.9**	**0.95 J**	< 0.54
Benzo(a)anthracene	Y	1	< 0.074	**4.1 J**	< 0.17	< 0.18	**2.1 J**	**1.1 J**	**3.3**	**0.8 J**	**9**	**13**	**5.6**	**0.049 J**
Benzo(a)pyrene	Y	1	< 0.1	**3.5 J**	< 0.23	< 0.25	**2.2 J**	< 0.22	**3.2**	**0.79 J**	**8.2**	**11**	**5.1**	**0.049 J**
Benzo(b)fluoranthene	Y	1	< 0.083	**4.5 J**	< 0.19	< 0.2	**2.6 J**	< 0.18	**3.9**	**1.1 J**	**5.8**	**8.2**	**4.6**	< 0.54
Benzo(g,h,i)perylene	Y	100	< 0.051	**1.9 J**	< 0.12	< 0.13	< 0.11	< 0.11	**1.3 J**	**0.38 J**	**4.6**	**4.9**	**2.7**	< 0.54
Benzo(k)fluoranthene	Y	0.8	< 0.047	**1.9 J**	< 0.11	< 0.12	< 0.1	< 0.1	**1.6 J**	**0.38 J**	**9.6**	**12**	**5.1**	< 0.54
Chrysene	Y	1	< 0.043	**4.5 J**	< 0.096	< 0.1	**2.2 J**	< 0.093	**2.6**	**0.76 J**	**8.3**	**12**	**5.1**	**0.056 J**
Dibenzo(a,h)anthracene	Y	0.33	< 0.05	< 0.11	< 0.11	< 0.12	< 0.11	< 0.11	**0.44 J**	**0.12 J**	**1.9 J**	**2.4 J**	**1.2 J**	*< 0.54*
Fluoranthene	Y	100	< 0.062	**8.9 J**	< 0.14	< 0.15	**3 J**	**2.1 J**	**5.4**	**1.4 J**	**15**	**24**	**8.4**	**0.095 J**
Fluorene	Y	30	< 0.098	< 0.21	< 0.22	< 0.24	< 0.21	< 0.21	**0.086 J**	< 2.5	**0.61 J**	**2 J**	< 2.1	< 0.54
Indeno(1,2,3-cd)pyrene	Y	0.5	< 0.12	**1.7 J**	< 0.27	< 0.29	< 0.25	< 0.26	**1.3 J**	**0.38 J**	**5**	**6.1**	**3**	*< 0.54*
Naphthalene	Y	12	< 0.071	< 0.15	< 0.16	< 0.17	< 0.15	< 0.15	**0.071 J**	< 2.5	< 0.41	**0.68 J**	< 2.1	< 0.54
Phenanthrene	Y	100	< 0.09	**5.9 J**	< 0.2	< 0.22	< 0.19	< 0.2	**1.3 J**	**0.55 J**	**7.3**	**18**	**2 J**	**0.051 J**
Pyrene	Y	100	< 0.028	**7.1 J**	< 0.062	< 0.068	**2.5 J**	**1.6 J**	**4.2**	**1 J**	**14**	**22**	**9.4**	**0.089 J**
Total PAHs	-	-	-	**44**	-	-	**14.6**	**4.8**	**29.473**	**7.95**	**93.65**	**145.88**	**53.7**	**0.389**
PCBs (mg/kg)														
Aroclor-1016	N	-	-	-	-	-	-	-	-	-	< 0.022	< 0.021	< 0.022	< 0.028
Aroclor-1221	N	-	-	-	-	-	-	-	-	-	< 0.042	< 0.041	< 0.043	< 0.054
Aroclor-1232	N	-	-	-	-	-	-	-	-	-	< 0.022	< 0.021	< 0.022	< 0.028
Aroclor-1242	N	-	-	-	-	-	-	-	-	-	< 0.022	< 0.021	< 0.022	< 0.028
Aroclor-1248	N	-	-	-	-	-	-	-	-	-	< 0.022	< 0.021	< 0.022	< 0.028
Aroclor-1254	Y	-	-	-	-	-	-	-	-	-	**0.12**	**0.12**	**0.088 J**	**0.015 J**
Aroclor-1260	N	-	-	-	-	-	-	-	-	-	< 0.022	< 0.021	< 0.022	< 0.028

TABLE 3-9
SUMMARY OF RESIDENTIAL SURFACE SOIL ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location	Detected?	NYSDEC	HA-09-01	HA-09-02	HA-09-03	HA-09-04	HA-09-05	HA-09-08	SS-07-01	SS-07-02	SS20201	SS20201	SS20202	SS20203
Sample Depth		Part 375	0.25 - 0.42 ft	0.21 - 0.38 ft	0.17 - 0.33 ft	0.5 - 0.67 ft	0.04 - 0.21 ft	0 - 0.17 ft	0 - 0.17 ft	0 - 0.17 ft	0 - 0.2 ft	0 - 0.2 ft	0 - 0.2 ft	0 - 0.2 ft
Sample Date		Unrestricted Use	9/1/2009	9/1/2009	9/1/2009	9/1/2009	9/1/2009	9/1/2009	11/16/2007	11/16/2007	11/26/2002	11/26/2002	11/26/2002	11/26/2002
Sample Type		SCO										Duplicate		
Sample Name		(mg/kg)	LOC1-090109-1000	LOC2-090109-1040	LOC3-090109-1105	LOC4-090109-1135	LOC5-090109-1300	LOC8-090109-1325	SS-07-01	SS-07-02	SFSS00020201	SFSS00020204DUP	SFSS00020202	SFSS00020203
SVOCs (mg/kg)														
2,2'-Oxybis(1-Chloropropane)	N	-	< 0.45	< 0.95	< 1	< 1.1	< 0.96	< 0.97	-	-	-	-	-	-
2,2-oxybis(1-Chloropropane)	N	-	-	-	-	-	-	-	< 2	< 2.5	-	-	-	-
2,4,5-Trichlorophenol	N	-	< 0.93	< 2	< 2.1	< 2.3	< 2	< 2	< 2	< 2.5	-	-	-	-
2,4,6-Trichlorophenol	N	-	< 0.28	< 0.6	< 0.63	< 0.69	< 0.6	< 0.61	< 2	< 2.5	-	-	-	-
2,4-Dichlorophenol	N	-	< 0.22	< 0.48	< 0.5	< 0.55	< 0.48	< 0.49	< 2	< 2.5	-	-	-	-
2,4-Dimethylphenol	N	-	< 1.2	< 2.5	< 2.6	< 2.8	< 2.5	< 2.5	< 2	< 2.5	-	-	-	-
2,4-Dinitrophenol	N	-	< 1.5	< 3.2	< 3.4	< 3.7	< 3.2	< 3.3	< 10 UJ	< 13 UJ	-	-	-	-
2,4-Dinitrotoluene	N	-	< 0.66	< 1.4	< 1.5	< 1.6	< 1.4	< 1.4	< 2	< 2.5	-	-	-	-
2,6-Dinitrotoluene	N	-	< 1	< 2.2	< 2.4	< 2.6	< 2.2	< 2.3	< 2	< 2.5	-	-	-	-
2-Chloronaphthalene	N	-	< 0.29	< 0.61	< 0.65	< 0.7	< 0.61	< 0.62	< 2	< 2.5	-	-	-	-
2-Chlorophenol	N	-	< 0.22	< 0.46	< 0.49	< 0.53	< 0.47	< 0.47	< 2	< 2.5	-	-	-	-
2-Methylphenol	N	0.33	< 0.13	< 0.28	< 0.3	< 0.32	< 0.28	< 0.29	*< 2*	*< 2.5*	-	-	-	-
2-Nitroaniline	N	-	< 1.4	< 2.9	< 3.1	< 3.4	< 2.9	< 3	< 10	< 13	-	-	-	-
2-Nitrophenol	N	-	< 0.2	< 0.42	< 0.44	< 0.48	< 0.42	< 0.43	< 2	< 2.5	-	-	-	-
3,3-Dichlorobenzidine	N	-	< 3.7	< 8	< 8.4	< 9.2	< 8	< 8.2	< 2	< 2.5	-	-	-	-
3-Nitroaniline	N	-	< 0.98	< 2.1	< 2.2	< 2.4	< 2.1	< 2.1	< 10	< 13	-	-	-	-
4,6-Dinitro-2-methylphenol	N	-	< 1.5	< 3.1	< 3.3	< 3.6	< 3.2	< 3.2	< 10 UJ	< 13 UJ	-	-	-	-
4-Bromophenyl phenyl ether	N	-	< 1.4	< 2.9	< 3.1	< 3.3	< 2.9	< 3	< 2	< 2.5	-	-	-	-
4-Chloro-3-methylphenol	N	-	< 0.18	< 0.37	< 0.4	< 0.43	< 0.38	< 0.38	< 2	< 2.5	-	-	-	-
4-Chloroaniline	N	-	< 1.3	< 2.7	< 2.8	< 3.1	< 2.7	< 2.7	< 2	< 2.5	-	-	-	-
4-Chlorophenyl phenyl ether	N	-	< 0.091	< 0.19	< 0.21	< 0.22	< 0.2	< 0.2	< 2	< 2.5	-	-	-	-
4-Methylphenol	N	0.33	< 0.24	*< 0.51*	*< 0.54*	*< 0.58*	*< 0.51*	*< 0.52*	*< 2*	*< 2.5*	-	-	-	-
4-Nitroaniline	N	-	< 0.48	< 1	< 1.1	< 1.2	< 1	< 1	< 10	< 13	-	-	-	-
4-Nitrophenol	N	-	< 1	< 2.2	< 2.3	< 2.5	< 2.2	< 2.3	< 10	< 13	-	-	-	-
Acetophenone	N	-	< 0.22	< 0.47	< 0.49	< 0.54	< 0.47	< 0.48	< 2	< 2.5	-	-	-	-
Atrazine	N	-	< 0.19 R	< 0.4 R	< 0.43 R	< 0.47 R	< 0.41 R	< 0.41 R	< 2	< 2.5	-	-	-	-
Benzaldehyde	N	-	< 0.47	< 1	< 1.1	< 1.2	< 1	< 1	< 2	< 2.5	-	-	-	-
Biphenyl	N	-	< 0.27	< 0.57	< 0.6	< 0.65	< 0.57	< 0.58	< 2	< 2.5	-	-	-	-
bis(2-Chloroethoxy)methane	N	-	< 0.23	< 0.49	< 0.52	< 0.57	< 0.5	< 0.51	< 2	< 2.5	-	-	-	-
bis(2-Chloroethyl)ether	N	-	< 0.37	< 0.79	< 0.83	< 0.91	< 0.79	< 0.8	< 2	< 2.5	-	-	-	-
bis(2-Ethylhexyl)phthalate	N	-	< 1.4	< 2.9	< 3.1	< 3.4	< 2.9	< 3	< 2	< 2.5	-	-	-	-
Butyl benzylphthalate	N	-	< 1.1	< 2.4	< 2.6	< 2.8	< 2.5	< 2.5	< 2	< 2.5	-	-	-	-
Caprolactam	N	-	< 1.8	< 3.9	< 4.2	< 4.5	< 4	< 4	< 10	< 13	-	-	-	-
Carbazole	Y	-	< 0.049	< 0.11	< 0.11	< 0.12	< 0.11	< 0.11	**0.098 J**	< 2.5	-	-	-	-
Dibenzofuran	N	7	< 0.044	< 0.095	< 0.1	< 0.11	< 0.095	< 0.097	< 2	< 2.5	-	-	-	-
Diethyl phthalate	N	-	< 0.13	< 0.27	< 0.29	< 0.32	< 0.28	< 0.28	< 2	< 2.5	-	-	-	-
Dimethyl phthalate	N	-	< 0.11	< 0.24	< 0.25	< 0.27	< 0.24	< 0.24	< 2	< 2.5	-	-	-	-
Di-n-butylphthalate	N	-	< 1.5	< 3.1	< 3.3	< 3.6	< 3.2	< 3.2	< 2	< 2.5	-	-	-	-
Di-n-octyl phthalate	N	-	< 0.1	< 0.21	< 0.23	< 0.25	< 0.21	< 0.22	< 2	< 2.5	-	-	-	-
Hexachlorobenzene	N	0.33	< 0.21	*< 0.45*	*< 0.48*	*< 0.52*	*< 0.45*	*< 0.46*	*< 2*	*< 2.5*	-	-	-	-
Hexachlorobutadiene	N	-	< 0.22	< 0.47	< 0.49	< 0.54	< 0.47	< 0.48	< 2	< 2.5	-	-	-	-
Hexachlorocyclopentadiene	N	-	< 1.3	< 2.7	< 2.9	< 3.2	< 2.8	< 2.8	< 2	< 2.5	-	-	-	-
Hexachloroethane	N	-	< 0.33	< 0.7	< 0.74	< 0.81	< 0.71	< 0.72	< 2	< 2.5	-	-	-	-
Isophorone	N	-	< 0.21	< 0.45	< 0.48	< 0.52	< 0.46	< 0.47	< 2	< 2.5	-	-	-	-
Nitrobenzene	N	-	< 0.19	< 0.4	< 0.43	< 0.47	< 0.41	< 0.41	< 2	< 2.5	-	-	-	-
N-Nitrosodi-n-propylamine	N	-	< 0.34	< 0.72	< 0.76	< 0.83	< 0.72	< 0.74	< 2	< 2.5	-	-	-	-
N-Nitrosodiphenylamine	N	-	< 0.23	< 0.5	< 0.53	< 0.57	< 0.5	< 0.51	< 2	< 2.5	-	-	-	-
Pentachlorophenol	N	0.8	*< 1.5*	*< 3.1*	*< 3.3*	*< 3.6*	*< 3.1*	*< 3.2*	*< 2*	*< 2.5*	-	-	-	-
Phenol	N	0.33	*< 0.45*	*< 0.96*	*< 1*	*< 1.1*	*< 0.96*	*< 0.98*	*< 2*	*< 2.5*	-	-	-	-

TABLE 3-9
SUMMARY OF RESIDENTIAL SURFACE SOIL ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location	Detected?	NYSDEC	HA-09-01	HA-09-02	HA-09-03	HA-09-04	HA-09-05	HA-09-08	SS-07-01	SS-07-02	SS20201	SS20201	SS20202	SS20203
Sample Depth		Part 375	0.25 - 0.42 ft	0.21 - 0.38 ft	0.17 - 0.33 ft	0.5 - 0.67 ft	0.04 - 0.21 ft	0 - 0.17 ft	0 - 0.17 ft	0 - 0.17 ft	0 - 0.2 ft	0 - 0.2 ft	0 - 0.2 ft	0 - 0.2 ft
Sample Date		Unrestricted Use	9/1/2009	9/1/2009	9/1/2009	9/1/2009	9/1/2009	9/1/2009	11/16/2007	11/16/2007	11/26/2002	11/26/2002	11/26/2002	11/26/2002
Sample Type		SCO										Duplicate		
Sample Name		(mg/kg)	LOC1-090109-1000	LOC2-090109-1040	LOC3-090109-1105	LOC4-090109-1135	LOC5-090109-1300	LOC8-090109-1325	SS-07-01	SS-07-02	SFSS00020201	SFSS00020204DUP	SFSS00020202	SFSS00020203
VOCs (mg/kg)														
1,1,1-Trichloroethane	N	0.68	-	-	-	-	-	-	< 0.0058	< 0.0077	-	-	-	-
1,1,2,2-Tetrachloroethane	N	-	-	-	-	-	-	-	< 0.0058	< 0.0077	-	-	-	-
1,1,2-Trichloroethane	N	-	-	-	-	-	-	-	< 0.0058	< 0.0077	-	-	-	-
1,1-Dichloroethane	N	0.27	-	-	-	-	-	-	< 0.0058	< 0.0077	-	-	-	-
1,1-Dichloroethene	N	0.33	-	-	-	-	-	-	< 0.0058	< 0.0077	-	-	-	-
1,2,4-Trichlorobenzene	N	-	-	-	-	-	-	-	< 0.0058	< 0.0077	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	N	-	-	-	-	-	-	-	< 0.0058	< 0.0077	-	-	-	-
1,2-Dibromoethane	N	-	-	-	-	-	-	-	< 0.0058	< 0.0077	-	-	-	-
1,2-Dichlorobenzene	N	1.1	-	-	-	-	-	-	< 0.0058	< 0.0077	-	-	-	-
1,2-Dichloroethane	N	0.02	-	-	-	-	-	-	< 0.0058	< 0.0077	-	-	-	-
1,2-Dichloropropane	N	-	-	-	-	-	-	-	< 0.0058	< 0.0077	-	-	-	-
1,3-Dichlorobenzene	N	2.4	-	-	-	-	-	-	< 0.0058	< 0.0077	-	-	-	-
1,4-Dichlorobenzene	N	1.8	-	-	-	-	-	-	< 0.0058	< 0.0077	-	-	-	-
2-Butanone	N	0.12	-	-	-	-	-	-	< 0.012	< 0.015	-	-	-	-
2-Hexanone	N	-	-	-	-	-	-	-	< 0.012	< 0.015	-	-	-	-
4-Methyl-2-pentanone	N	-	-	-	-	-	-	-	< 0.012	< 0.015	-	-	-	-
Acetone	N	0.05	-	-	-	-	-	-	< 0.023	< 0.031	-	-	-	-
Benzene	N	0.06	-	-	-	-	-	-	< 0.0058 UJ	< 0.0077 UJ	< 0.006	< 0.006	< 0.007	< 0.007
Bromodichloromethane	N	-	-	-	-	-	-	-	< 0.0058	< 0.0077	-	-	-	-
Bromoform	N	-	-	-	-	-	-	-	< 0.0058	< 0.0077	-	-	-	-
Bromomethane	N	-	-	-	-	-	-	-	< 0.0058	< 0.0077	-	-	-	-
Carbon disulfide	N	-	-	-	-	-	-	-	< 0.012	< 0.015	-	-	-	-
Carbon tetrachloride	N	0.76	-	-	-	-	-	-	< 0.0058	< 0.0077	-	-	-	-
Chlorobenzene	N	1.1	-	-	-	-	-	-	< 0.0058 UJ	< 0.0077 UJ	-	-	-	-
Chloroethane	N	-	-	-	-	-	-	-	< 0.0058	< 0.0077	-	-	-	-
Chloroform	N	0.37	-	-	-	-	-	-	< 0.0058	< 0.0077	-	-	-	-
Chloromethane	N	-	-	-	-	-	-	-	< 0.0058	< 0.0077	-	-	-	-
cis-1,2-Dichloroethene	N	0.25	-	-	-	-	-	-	< 0.0058	< 0.0077	-	-	-	-
cis-1,3-Dichloropropene	N	-	-	-	-	-	-	-	< 0.0058	< 0.0077	-	-	-	-
Cyclohexane	N	-	-	-	-	-	-	-	< 0.012	< 0.015	-	-	-	-
Dibromochloromethane	N	-	-	-	-	-	-	-	< 0.0058	< 0.0077	-	-	-	-
Dichlorodifluoromethane (CFC-12)	N	-	-	-	-	-	-	-	< 0.0058	< 0.0077	-	-	-	-
Ethylbenzene	N	1	-	-	-	-	-	-	< 0.0058	< 0.0077	< 0.006	< 0.006	< 0.007	< 0.007
Isopropylbenzene	N	-	-	-	-	-	-	-	< 0.0058	< 0.0077	-	-	-	-
Methyl acetate	N	-	-	-	-	-	-	-	< 0.012	< 0.015	-	-	-	-
Methyl cyclohexane	N	-	-	-	-	-	-	-	< 0.012	< 0.015	-	-	-	-
Methyl tert butyl ether (MTBE)	N	0.93	-	-	-	-	-	-	< 0.0058	< 0.0077	-	-	-	-
Methylene chloride	Y	0.05	-	-	-	-	-	-	< 0.0058	**0.0047 J**	-	-	-	-
Styrene	N	-	-	-	-	-	-	-	< 0.0058	< 0.0077	-	-	-	-
Tetrachloroethene	N	1.3	-	-	-	-	-	-	< 0.0058	< 0.0077	-	-	-	-
Toluene	N	0.7	-	-	-	-	-	-	< 0.0058	< 0.0077	< 0.006	< 0.006	< 0.007	< 0.007
trans-1,2-Dichloroethene	N	0.19	-	-	-	-	-	-	< 0.0058	< 0.0077	-	-	-	-
trans-1,3-Dichloropropene	N	-	-	-	-	-	-	-	< 0.0058	< 0.0077	-	-	-	-
Trichloroethene	N	0.47	-	-	-	-	-	-	< 0.0058 UJ	< 0.0077 UJ	-	-	-	-
Trichlorofluoromethane (CFC-11)	N	-	-	-	-	-	-	-	< 0.0058	< 0.0077	-	-	-	-
Trifluorotrichloroethane (Freon 113)	N	-	-	-	-	-	-	-	< 0.0058	< 0.0077	-	-	-	-
Vinyl chloride	N	0.02	-	-	-	-	-	-	< 0.0058	< 0.0077	-	-	-	-
Xylenes (total)	N	0.26	-	-	-	-	-	-	< 0.017	< 0.023	< 0.006	< 0.006	< 0.007	< 0.007

Notes and Abbreviations:
1. Orange shading indicates result exceeds NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives for Residential.
2. *Gray* shading indicates Reporting Detection Limit exceeds NYSDEC Part 375 Restricted Use Soil Cleanup Objectives for Residential.
3. <: Compound not detected above the indicated reporting limit.
   J: Estimated result.
   R: Rejected result.
   UJ: Non-detect, reporting limit is estimated.
4. Detected compounds are in bold.

TABLE 3-10
SUMMARY OF RESIDENTIAL SUBSURFACE SOIL ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location	Detected?	NYSDEC Part 375 Unrestricted Use SCO (mg/kg)	SB-07-04 4 - 5.5 ft 11/16/2007 SB-07-04(4-5.5)	SB-07-04 26 - 26.8 ft 11/16/2007 SB-07-04(26-26.8)	SB-07-11 1 - 3 ft 11/15/2007 SB-07-11(1-3)	SB-07-12 2 - 4 ft 11/15/2007 SB-07-12(2-4)	SB-07-13 0.2 - 1.5 ft 11/15/2007 SB-07-13(0.2-1.5)	SB-07-14 2 - 5 ft 11/15/2007 SB-07-14(2-5)	SB-07-15 1 - 3 ft 11/15/2007 SB-07-15(1-3)	SB-07-16 0 - 2 ft 11/15/2007 SB-07-16(0-2)	SB-07-17 0 - 2.3 ft 11/15/2007 SB-07-17(0-2.3)	SB-07-18 2 - 4.4 ft 11/15/2007 SB-07-18(2-4.4)	SB-07-19 0.4 - 3 ft 11/15/2007 SB-07-19(0.4-3)	SB-07-20 1 - 2 ft 11/15/2007 SB-07-20(1-2)	SB-07-21 1.5 - 2.5 ft 11/15/2007 SB-07-21(1.5-2.5)	SB-07-21 1.5 - 2.5 ft 11/15/2007 Duplicate SB-07-11-15-DUP	SB-07-22 0.4 - 2.3 ft 11/15/2007 SB-07-22(0.4-2.3)
Cyanide (mg/kg)																	
Cyanide (total)	Y	27	**4.05 J**	< 0.736	< 1.11	< 1.04	< 1.35	< 1.14	**3.33 J**	< 1.4	**4.15 J**	**2.15 J**	< 1.28	**5 J**	< 1.11	**2.84 J**	**4.11 J**
Metals (mg/kg)																	
Aluminum	Y	-	**8630 J**	**3490 J**	**5000 J**	**5740 J**	**7030 J**	**8260 J**	**7620 J**	**8570 J**	**4000 J**	**7820 J**	**5240 J**	**7090 J**	**6790 J**	**6360 J**	**4370 J**
Antimony	N	-	< 7.8 UJ	< 6.5 UJ	< 6.4 UJ	< 7.2 UJ	< 8.3 UJ	< 7.1 UJ	< 7.2 UJ	< 8.5 UJ	< 8 UJ	< 7.4 UJ	< 8.1 UJ	< 7 UJ	< 8.3 UJ	< 8.2 UJ	< 6.9 UJ
Arsenic	Y	13	**7.9**	**2.1**	**11.5**	**2.5**	**11.9**	**20.9**	**8.6**	**20**	**10.4**	**19.9**	**14.9**	**10.7**	**13.7**	**9.7**	**5.2**
Barium	Y	350	**80.6 J**	**121 J**	**226 J**	**40.8 J**	**378 J**	**169 J**	**151 J**	**105 J**	**213 J**	**378 J**	**156 J**	**119 J**	**127 J**	**104 J**	**142 J**
Beryllium	Y	7.2	< 0.65	< 0.54	< 0.54	< 0.6	< 0.69	**0.7**	< 0.6	**0.74**	< 0.67	< 0.62	< 0.67	< 0.59	< 0.69	< 0.69	< 0.57
Cadmium	Y	2.5	< 0.65	< 0.54	< 0.54	< 0.6	**1.1**	**0.65**	< 0.6	< 0.71	< 0.67	**1.9**	< 0.67	< 0.59	< 0.69	< 0.69	< 0.57
Calcium	Y	-	**43300 J**	**73300 J**	**26900 J**	**79700 J**	**5930 J**	**13200 J**	**37900 J**	**5120 J**	**9400 J**	**22000 J**	**6580 J**	**49700 J**	**13200 J**	**15500 J**	**21000 J**
Chromium	Y	-	**10.8 J**	**6.8 J**	**8.8 J**	**8.1 J**	**12 J**	**7.7 J**	**11.1 J**	**10.1 J**	**15.5 J**	**13.9 J**	**6.7 J**	**9.7 J**	**9.7 J**	**8.4 J**	**9.9 J**
Cobalt	Y	-	< 6.5	< 5.4	< 5.4	< 6	< 6.9	**6.3**	< 6	**8.9**	< 6.7	**7**	< 6.7	**6.2**	< 6.9	< 6.9	**5.9**
Copper	Y	50	**26.9**	**9**	**53.1**	**17.1**	**101**	**36.1**	**97**	**37.2**	**76.6**	**95.1**	**73.7**	**38.4**	**42.6**	**40.8**	**227**
Iron	Y	-	**13800 J**	**7750 J**	**9090 J**	**10400 J**	**6090 J**	**5270 J**	**10800 J**	**7980 J**	**5940 J**	**16600 J**	**4940 J**	**11700 J**	**10100 J**	**7970 J**	**36000 J**
Lead	Y	63	**58.8 J**	**4.7 J**	**117 J**	**5.1 J**	**617 J**	**183 J**	**259 J**	**96 J**	**374 J**	**1540 J**	**143 J**	**128 J**	**198 J**	**176 J**	**146 J**
Magnesium	Y	-	**10700**	**30000**	**7610**	**23800**	**636**	**2950**	**11500**	**1810**	**2220**	**6740**	**1040**	**18700**	**5080**	**6450**	**3700**
Manganese	Y	1600	**324 J**	**308 J**	**257 J**	**404 J**	**83.7 J**	**124 J**	**300 J**	**173 J**	**134 J**	**416 J**	**121 J**	**318 J**	**262 J**	**219 J**	**506 J**
Mercury	Y	0.18	**0.234 J**	< 0.004 UJ	**0.185 J**	**0.01 J**	**0.088 J**	**0.502 J**	**1.3 J**	**0.098 J**	**0.311 J**	**0.643 J**	**0.139 J**	**0.782 J**	**0.135 J**	**0.199 J**	**0.096 J**
Nickel	Y	30	**13.6 J**	**7.2 J**	**10.1 J**	**11.2 J**	**11.2 J**	**13.7 J**	**11.5 J**	**17.2 J**	**9.8 J**	**15.4 J**	**9.4 J**	**12.8 J**	**12.1 J**	**11 J**	**10.6 J**
Potassium	Y	-	**1340**	**1050**	**847**	**1480**	**559**	**762**	**1150**	**1720**	**700**	**963**	**903**	**1330**	**1030**	**970**	**573**
Selenium	Y	3.9	**1**	< 0.63	**0.86**	< 0.71	**1.4**	**12**	**0.74**	**2.3**	**1.8**	**2.6**	**1.7**	< 0.69	**1.7**	**1.3**	**1.6**
Silver	N	2	< 1.3	< 1.1	< 1.1	< 1.2	< 1.4	< 1.2	< 1.2	< 1.4	< 1.3	< 1.2	< 1.3	< 1.2	< 1.4	< 1.4	< 1.1
Sodium	Y	-	**87.9**	**115**	**158**	**109**	**202**	**155**	**348**	**339**	**91.8**	**214**	**175**	**167**	**165**	**183**	**149**
Thallium	N	-	< 1.3	< 1.1	< 1.1	< 1.2	< 1.4	< 1.2	< 1.2	< 1.4	< 1.3	< 1.2	< 1.3	< 1.2	< 1.4	< 1.4	< 1.1
Vanadium	Y	-	**16.5**	**7.7**	**17**	**10.3**	**28**	**23.3**	**19.5**	**27**	**14.6**	**19.8**	**35.7**	**16.7**	**24.8**	**18.4**	**19.9**
Zinc	Y	109	**98.6 J**	**22.1 J**	**86 J**	**25.2 J**	**583 J**	**425 J**	**229 J**	**219 J**	**240 J**	**1420 J**	**135 J**	**140 J**	**171 J**	**140 J**	**499 J**
PAHs (mg/kg)																	
2-Methyl naphthalene	Y	-	**0.86 J**	< 0.36	**0.059 J**	< 0.35	< 0.48	< 1.9	**0.35 J**	**0.15 J**	< 2.2	< 2	< 2.3	**0.17 J**	**0.14 J**	**0.063 J**	< 2
Acenaphthene	Y	20	**1.6 J**	< 0.36	**0.13 J**	< 0.35	< 0.48	< 1.9	**0.54 J**	**0.56 J**	< 2.2	< 2	< 2.3	**0.19 J**	**0.32 J**	**0.21 J**	< 2
Acenaphthylene	Y	100	**11**	**0.012 J**	**0.58 J**	< 0.35	< 0.48	**0.048 J**	**3.3**	**0.24 J**	**0.083 J**	**0.44 J**	< 2.3	**1.5 J**	**0.4 J**	**0.16 J**	**0.15 J**
Anthracene	Y	100	**40**	**0.015 J**	**1.6 J**	< 0.35	**0.015 J**	**0.092 J**	**8.7**	**1.5 J**	**0.25 J**	**0.5 J**	< 2.3	**3.2**	**0.83 J**	**0.57 J**	**0.15 J**
Benzo(a)anthracene	Y	1	**51**	**0.034 J**	**5.9**	**0.034 J**	**0.1 J**	**0.47 J**	**22**	**4.4**	**1.8 J**	**2.4**	**0.071 J**	**14**	**3.1**	**1.6 J**	**1.5 J**
Benzo(a)pyrene	Y	1	**50**	**0.028 J**	**5.6**	**0.029 J**	**0.091 J**	**0.36 J**	**22**	**3.5**	**2.1 J**	**1.9 J**	**0.054 J**	**14**	**3**	**1.4 J**	**1.2 J**
Benzo(b)fluoranthene	Y	1	**60**	**0.043 J**	**6.9**	**0.031 J**	**0.12 J**	**0.45 J**	**29**	**4.3**	**2.6**	**2.4**	**0.066 J**	**18**	**4**	**1.9 J**	**1.6 J**
Benzo(g,h,i)perylene	Y	100	**21**	**0.016 J**	**3**	**0.016 J**	**0.073 J**	**0.22 J**	**10**	**1.2 J**	**1 J**	**0.7 J**	< 2.3	**6.3**	**1.3 J**	**0.58 J**	**0.43 J**
Benzo(k)fluoranthene	Y	0.8	**18**	**0.017 J**	**2.1**	**0.018 J**	**0.044 J**	**0.17 J**	**8.3**	**1.9 J**	**0.99 J**	**0.94 J**	*< 2.3*	**6.6**	**1.6 J**	**0.66 J**	**0.58 J**
Chrysene	Y	1	**39**	**0.031 J**	**4.7**	**0.025 J**	**0.083 J**	**0.35 J**	**19**	**3.4**	**1.5 J**	**2**	**0.048 J**	**13**	**3.6**	**1.6 J**	**1.3 J**
Dibenzo(a,h)anthracene	Y	0.33	**7**	*< 0.36*	**1 J**	**0.009 J**	**0.02 J**	**0.073 J**	**4**	**0.44 J**	**0.33 J**	**0.27 J**	*< 2.3*	**2**	**0.4 J**	**0.2 J**	**0.2 J**
Fluoranthene	Y	100	**130**	**0.048 J**	**9.6**	**0.023 J**	**0.15 J**	**0.61 J**	**29**	**7.8**	**2.3**	**3.6**	**0.072 J**	**20**	**7.6**	**3.5**	**1.6 J**
Fluorene	Y	30	**9.7**	< 0.36	**0.38 J**	< 0.35	< 0.48	< 1.9	**2**	**0.53 J**	< 2.2	**0.065 J**	< 2.3	**0.69 J**	**0.45 J**	**0.24 J**	< 2
Indeno(1,2,3-cd)pyrene	Y	0.5	**22**	**0.015 J**	**3.1**	**0.015 J**	**0.059 J**	**0.19 J**	**10**	**1.3 J**	**1 J**	**0.73 J**	*< 2.3*	**6.5**	**1.2 J**	**0.57 J**	**0.46 J**
Naphthalene	Y	12	**2.7 J**	< 0.36	**0.098 J**	< 0.35	< 0.48	< 1.9	**0.73 J**	**0.28 J**	< 2.2	< 2	< 2.3	**0.56 J**	**0.18 J**	**0.099 J**	< 2
Phenanthrene	Y	100	**52**	**0.023 J**	**4.8**	< 0.35	**0.067 J**	**0.33 J**	**18**	**5.3**	**0.59 J**	**0.84 J**	< 2.3	**7.7**	**6.1**	**2.9**	**0.22 J**
Pyrene	Y	100	**51**	**0.038 J**	**7.1**	**0.034 J**	**0.14 J**	**0.55 J**	**24**	**6.1**	**1.9 J**	**2.7**	**0.058 J**	**16**	**5.9**	**2.6**	**1.6 J**
Total PAHs	-	-	**566.86**	**0.32**	**56.647**	**0.234**	**0.962**	**3.913**	**210.92**	**42.9**	**16.443**	**19.485**	**0.369**	**130.41**	**40.12**	**18.852**	**10.99**
SVOCs (mg/kg)																	
2,2-oxybis(1-Chloropropane)	N	-	< 3.9	< 0.36	< 1.8	< 0.35	< 0.48	< 1.9	< 1.8	< 2.3	< 2.2	< 2	< 2.3	< 1.9	< 2.2	< 2.1	< 2
2,4,5-Trichlorophenol	N	-	< 3.9	< 0.36	< 1.8	< 0.35	< 0.48	< 1.9	< 1.8	< 2.3	< 2.2	< 2	< 2.3	< 1.9	< 2.2	< 2.1	< 2
2,4,6-Trichlorophenol	N	-	< 3.9	< 0.36	< 1.8	< 0.35	< 0.48	< 1.9	< 1.8	< 2.3	< 2.2	< 2	< 2.3	< 1.9	< 2.2	< 2.1	< 2
2,4-Dichlorophenol	N	-	< 3.9	< 0.36	< 1.8	< 0.35	< 0.48	< 1.9	< 1.8	< 2.3	< 2.2	< 2	< 2.3	< 1.9	< 2.2	< 2.1	< 2
2,4-Dimethylphenol	N	-	< 3.9	< 0.36	< 1.8	< 0.35	< 0.48	< 1.9	< 1.8	< 2.3	< 2.2	< 2	< 2.3	< 1.9	< 2.2	< 2.1	< 2
2,4-Dinitrophenol	N	-	< 20 UJ	< 1.9 UJ	< 9.6 UJ	< 1.8 UJ	< 2.5 UJ	< 9.6 UJ	< 9.3 UJ	< 12 UJ	< 11 UJ	< 10 UJ	< 12 UJ	< 9.8 UJ	< 11 UJ	< 11 UJ	< 10 UJ
2,4-Dinitrotoluene	N	-	< 3.9	< 0.36	< 1.8	< 0.35	< 0.48	< 1.9	< 1.8	< 2.3	< 2.2	< 2	< 2.3	< 1.9	< 2.2	< 2.1	< 2
2,6-Dinitrotoluene	N	-	< 3.9	< 0.36	< 1.8	< 0.35	< 0.48	< 1.9	< 1.8	< 2.3	< 2.2	< 2	< 2.3	< 1.9	< 2.2	< 2.1	< 2
2-Chloronaphthalene	N	-	< 3.9	< 0.36	< 1.8	< 0.35	< 0.48	< 1.9	< 1.8	< 2.3	< 2.2	< 2	< 2.3	< 1.9	< 2.2	< 2.1	< 2

TABLE 3-10
SUMMARY OF RESIDENTIAL SUBSURFACE SOIL ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location	Detected?	NYSDEC Part 375 Unrestricted Use SCO (mg/kg)	SB-07-04 4 - 5.5 ft 11/16/2007 SB-07-04(4-5.5)	SB-07-04 26 - 26.8 ft 11/16/2007 SB-07-04(26-26.8)	SB-07-11 1 - 3 ft 11/15/2007 SB-07-11(1-3)	SB-07-12 2 - 4 ft 11/15/2007 SB-07-12(2-4)	SB-07-13 0.2 - 1.5 ft 11/15/2007 SB-07-13(0.2-1.5)	SB-07-14 2 - 5 ft 11/15/2007 SB-07-14(2-5)	SB-07-15 1 - 3 ft 11/15/2007 SB-07-15(1-3)	SB-07-16 0 - 2 ft 11/15/2007 SB-07-16(0-2)	SB-07-17 0 - 2.3 ft 11/15/2007 SB-07-17(0-2.3)	SB-07-18 2 - 4.4 ft 11/15/2007 SB-07-18(2-4.4)	SB-07-19 0.4 - 3 ft 11/15/2007 SB-07-19(0.4-3)	SB-07-20 1 - 2 ft 11/15/2007 SB-07-20(1-2)	SB-07-21 1.5 - 2.5 ft 11/15/2007 SB-07-21(1.5-2.5)	SB-07-21 1.5 - 2.5 ft 11/15/2007 Duplicate SB-07-11-15-DUP	SB-07-22 0.4 - 2.3 ft 11/15/2007 SB-07-22(0.4-2.3)
2-Chlorophenol	N	-	< 3.9	< 0.36	< 1.8	< 0.35	< 0.48	< 1.9	< 1.8	< 2.3	< 2.2	< 2	< 2.3	< 1.9	< 2.2	< 2.1	< 2
2-Methylphenol	N	0.33	*< 3.9*	*< 0.36*	*< 1.8*	*< 0.35*	*< 0.48*	*< 1.9*	*< 1.8*	*< 2.3*	*< 2.2*	*< 2*	*< 2.3*	*< 1.9*	*< 2.2*	*< 2.1*	*< 2*
2-Nitroaniline	N	-	< 20	< 1.9	< 9.6	< 1.8	< 2.5	< 9.6	< 9.3	< 12	< 11	< 10	< 12	< 9.8	< 11	< 11	< 10
2-Nitrophenol	N	-	< 3.9	< 0.36	< 1.8	< 0.35	< 0.48	< 1.9	< 1.8	< 2.3	< 2.2	< 2	< 2.3	< 1.9	< 2.2	< 2.1	< 2
3,3-Dichlorobenzidine	N	-	< 3.9	< 0.36	< 1.8	< 0.35	< 0.48	< 1.9	< 1.8	< 2.3	< 2.2	< 2	< 2.3	< 1.9	< 2.2	< 2.1	< 2
3-Nitroaniline	N	-	< 20	< 1.9	< 9.6	< 1.8	< 2.5	< 9.6	< 9.3	< 12	< 11	< 10	< 12	< 9.8	< 11	< 11	< 10
4,6-Dinitro-2-methylphenol	N	-	< 20 UJ	< 1.9 UJ	< 9.6 UJ	< 1.8 UJ	< 2.5 UJ	< 9.6 UJ	< 9.3 UJ	< 12 UJ	< 11 UJ	< 10 UJ	< 12 UJ	< 9.8 UJ	< 11 UJ	< 11 UJ	< 10 UJ
4-Bromophenyl phenyl ether	N	-	< 3.9	< 0.36	< 1.8	< 0.35	< 0.48	< 1.9	< 1.8	< 2.3	< 2.2	< 2	< 2.3	< 1.9	< 2.2	< 2.1	< 2
4-Chloro-3-methylphenol	N	-	< 3.9	< 0.36	< 1.8	< 0.35	< 0.48	< 1.9	< 1.8	< 2.3	< 2.2	< 2	< 2.3	< 1.9	< 2.2	< 2.1	< 2
4-Chloroaniline	N	-	< 3.9	< 0.36	< 1.8	< 0.35	< 0.48	< 1.9	< 1.8	< 2.3	< 2.2	< 2	< 2.3	< 1.9	< 2.2	< 2.1	< 2
4-Chlorophenyl phenyl ether	N	-	< 3.9	< 0.36	< 1.8	< 0.35	< 0.48	< 1.9	< 1.8	< 2.3	< 2.2	< 2	< 2.3	< 1.9	< 2.2	< 2.1	< 2
4-Methylphenol	Y	0.33	*< 3.9*	*< 0.36*	*< 1.8*	*< 0.35*	*< 0.48*	*< 1.9*	**0.14 J**	*< 2.3*	*< 2.2*	*< 2*	*< 2.3*	*< 1.9*	*< 2.2*	*< 2.1*	*< 2*
4-Nitroaniline	N	-	< 20	< 1.9	< 9.6	< 1.8	< 2.5	< 9.6	< 9.3	< 12	< 11	< 10	< 12	< 9.8	< 11	< 11	< 10
4-Nitrophenol	N	-	< 20	< 1.9	< 9.6	< 1.8	< 2.5	< 9.6	< 9.3	< 12	< 11	< 10	< 12	< 9.8	< 11	< 11	< 10
Acetophenone	N	-	< 3.9	< 0.36	< 1.8	< 0.35	< 0.48	< 1.9	< 1.8	< 2.3	< 2.2	< 2	< 2.3	< 1.9	< 2.2	< 2.1	< 2
Atrazine	N	-	< 3.9	< 0.36	< 1.8	< 0.35	< 0.48	< 1.9	< 1.8	< 2.3	< 2.2	< 2	< 2.3	< 1.9	< 2.2	< 2.1	< 2
Benzaldehyde	N	-	< 3.9	< 0.36	< 1.8	< 0.35	< 0.48	< 1.9	< 1.8	< 2.3	< 2.2	< 2	< 2.3	< 1.9	< 2.2	< 2.1	< 2
Biphenyl	Y	-	**0.41 J**	< 0.36	< 1.8	< 0.35	< 0.48	< 1.9	**0.098 J**	< 2.3	< 2.2	< 2	< 2.3	< 1.9	< 2.2	< 2.1	< 2
bis(2-Chloroethoxy)methane	N	-	< 3.9	< 0.36	< 1.8	< 0.35	< 0.48	< 1.9	< 1.8	< 2.3	< 2.2	< 2	< 2.3	< 1.9	< 2.2	< 2.1	< 2
bis(2-Chloroethyl)ether	N	-	< 3.9	< 0.36	< 1.8	< 0.35	< 0.48	< 1.9	< 1.8	< 2.3	< 2.2	< 2	< 2.3	< 1.9	< 2.2	< 2.1	< 2
bis(2-Ethylhexyl)phthalate	Y	-	< 3.9	**1**	< 1.8	**0.18 J**	**0.54**	**1.2 J**	**0.62 J**	**1.2 J**	**0.59 J**	**0.4 J**	< 2.3	< 1.9	**0.65 J**	< 2.1	< 2
Butyl benzylphthalate	N	-	< 3.9	< 0.36	< 1.8	< 0.35	< 0.48	< 1.9	< 1.8	< 2.3	< 2.2	< 2	< 2.3	< 1.9	< 2.2	< 2.1	< 2
Caprolactam	N	-	< 20	< 1.9	< 9.6	< 1.8	< 2.5	< 9.6	< 9.3	< 12	< 11	< 10	< 12	< 9.8	< 11	< 11	< 10
Carbazole	Y	-	**3.4 J**	< 0.36	**0.41 J**	< 0.35	< 0.48	< 1.9	**1.4 J**	**0.58 J**	**0.06 J**	**0.051 J**	< 2.3	**0.52 J**	**0.44 J**	**0.24 J**	< 2
Dibenzofuran	Y	7	**4**	< 0.36	**0.19 J**	< 0.35	< 0.48	< 1.9	**1 J**	**0.36 J**	< 2.2	< 2	< 2.3	**0.34 J**	**0.29 J**	**0.17 J**	< 2
Diethyl phthalate	N	-	< 3.9	< 0.36	< 1.8	< 0.35	< 0.48	< 1.9	< 1.8	< 2.3	< 2.2	< 2	< 2.3	< 1.9	< 2.2	< 2.1	< 2
Dimethyl phthalate	N	-	< 3.9	< 0.36	< 1.8	< 0.35	< 0.48	< 1.9	< 1.8	< 2.3	< 2.2	< 2	< 2.3	< 1.9	< 2.2	< 2.1	< 2
Di-n-butylphthalate	N	-	< 3.9	< 0.36	< 1.8	< 0.35	< 0.48	< 1.9	< 1.8	< 2.3	< 2.2	< 2	< 2.3	< 1.9	< 2.2	< 2.1	< 2
Di-n-octyl phthalate	N	-	< 3.9	< 0.36	< 1.8	< 0.35	< 0.48	< 1.9	< 1.8	< 2.3	< 2.2	< 2	< 2.3	< 1.9	< 2.2	< 2.1	< 2
Hexachlorobenzene	N	0.33	*< 3.9*	*< 0.36*	*< 1.8*	*< 0.35*	*< 0.48*	*< 1.9*	*< 1.8*	*< 2.3*	*< 2.2*	*< 2*	*< 2.3*	*< 1.9*	*< 2.2*	*< 2.1*	*< 2*
Hexachlorobutadiene	N	-	< 3.9	< 0.36	< 1.8	< 0.35	< 0.48	< 1.9	< 1.8	< 2.3	< 2.2	< 2	< 2.3	< 1.9	< 2.2	< 2.1	< 2
Hexachlorocyclopentadiene	N	-	< 3.9	< 0.36	< 1.8	< 0.35	< 0.48	< 1.9	< 1.8	< 2.3	< 2.2	< 2	< 2.3	< 1.9	< 2.2	< 2.1	< 2
Hexachloroethane	N	-	< 3.9	< 0.36	< 1.8	< 0.35	< 0.48	< 1.9	< 1.8	< 2.3	< 2.2	< 2	< 2.3	< 1.9	< 2.2	< 2.1	< 2
Isophorone	N	-	< 3.9	< 0.36	< 1.8	< 0.35	< 0.48	< 1.9	< 1.8	< 2.3	< 2.2	< 2	< 2.3	< 1.9	< 2.2	< 2.1	< 2
Nitrobenzene	N	-	< 3.9	< 0.36	< 1.8	< 0.35	< 0.48	< 1.9	< 1.8	< 2.3	< 2.2	< 2	< 2.3	< 1.9	< 2.2	< 2.1	< 2
N-Nitrosodi-n-propylamine	N	-	< 3.9	< 0.36	< 1.8	< 0.35	< 0.48	< 1.9	< 1.8	< 2.3	< 2.2	< 2	< 2.3	< 1.9	< 2.2	< 2.1	< 2
N-Nitrosodiphenylamine	N	-	< 3.9	< 0.36	< 1.8	< 0.35	< 0.48	< 1.9	< 1.8	< 2.3	< 2.2	< 2	< 2.3	< 1.9	< 2.2	< 2.1	< 2
Pentachlorophenol	N	0.8	*< 3.9*	< 0.36	*< 1.8*	< 0.35	< 0.48	*< 1.9*	*< 1.8*	*< 2.3*	*< 2.2*	*< 2*	*< 2.3*	*< 1.9*	*< 2.2*	*< 2.1*	*< 2*
Phenol	Y	0.33	**0.21 J**	*< 0.36*	*< 1.8*	*< 0.35*	*< 0.48*	*< 1.9*	**0.15 J**	*< 2.3*	*< 2.2*	*< 2*	*< 2.3*	*< 1.9*	*< 2.2*	*< 2.1*	*< 2*
VOCs (mg/kg)																	
1,1,1-Trichloroethane	N	0.68	< 0.006	< 0.0052	< 0.0053	< 0.0054	< 0.0061	< 0.0057	< 0.0054	< 0.0067	< 0.0066	< 0.006	< 0.0066	< 0.0056	< 0.0062	< 0.0062	< 0.0057
1,1,2,2-Tetrachloroethane	N	-	< 0.006	< 0.0052	< 0.0053	< 0.0054	< 0.0061	< 0.0057	< 0.0054	< 0.0067	< 0.0066	< 0.006	< 0.0066	< 0.0056	< 0.0062	< 0.0062	< 0.0057
1,1,2-Trichloroethane	N	-	< 0.006	< 0.0052	< 0.0053	< 0.0054	< 0.0061	< 0.0057	< 0.0054	< 0.0067	< 0.0066	< 0.006	< 0.0066	< 0.0056	< 0.0062	< 0.0062	< 0.0057
1,1-Dichloroethane	N	0.27	< 0.006	< 0.0052	< 0.0053	< 0.0054	< 0.0061	< 0.0057	< 0.0054	< 0.0067	< 0.0066	< 0.006	< 0.0066	< 0.0056	< 0.0062	< 0.0062	< 0.0057
1,1-Dichloroethene	N	0.33	< 0.006	< 0.0052	< 0.0053	< 0.0054	< 0.0061	< 0.0057	< 0.0054	< 0.0067	< 0.0066	< 0.006	< 0.0066	< 0.0056	< 0.0062	< 0.0062	< 0.0057
1,2,4-Trichlorobenzene	N	-	< 0.006	< 0.0052	< 0.0053	< 0.0054	< 0.0061	< 0.0057	< 0.0054	< 0.0067	< 0.0066	< 0.006	< 0.0066	< 0.0056	< 0.0062	< 0.0062	< 0.0057
1,2-Dibromo-3-chloropropane (DBCP)	N	-	< 0.006	< 0.0052	< 0.0053	< 0.0054	< 0.0061	< 0.0057	< 0.0054	< 0.0067	< 0.0066	< 0.006	< 0.0066	< 0.0056	< 0.0062	< 0.0062	< 0.0057
1,2-Dibromoethane	N	-	< 0.006	< 0.0052	< 0.0053	< 0.0054	< 0.0061	< 0.0057	< 0.0054	< 0.0067	< 0.0066	< 0.006	< 0.0066	< 0.0056	< 0.0062	< 0.0062	< 0.0057
1,2-Dichlorobenzene	N	1.1	< 0.006	< 0.0052	< 0.0053	< 0.0054	< 0.0061	< 0.0057	< 0.0054	< 0.0067	< 0.0066	< 0.006	< 0.0066	< 0.0056	< 0.0062	< 0.0062	< 0.0057
1,2-Dichloroethane	N	0.02	< 0.006	< 0.0052	< 0.0053	< 0.0054	< 0.0061	< 0.0057	< 0.0054	< 0.0067	< 0.0066	< 0.006	< 0.0066	< 0.0056	< 0.0062	< 0.0062	< 0.0057
1,2-Dichloropropane	N	-	< 0.006	< 0.0052	< 0.0053	< 0.0054	< 0.0061	< 0.0057	< 0.0054	< 0.0067	< 0.0066	< 0.006	< 0.0066	< 0.0056	< 0.0062	< 0.0062	< 0.0057
1,3-Dichlorobenzene	N	2.4	< 0.006	< 0.0052	< 0.0053	< 0.0054	< 0.0061	< 0.0057	< 0.0054	< 0.0067	< 0.0066	< 0.006	< 0.0066	< 0.0056	< 0.0062	< 0.0062	< 0.0057
1,4-Dichlorobenzene	N	1.8	< 0.006	< 0.0052	< 0.0053	< 0.0054	< 0.0061	< 0.0057	< 0.0054	< 0.0067	< 0.0066	< 0.006	< 0.0066	< 0.0056	< 0.0062	< 0.0062	< 0.0057
2-Butanone	N	0.12	< 0.012	< 0.01	< 0.01	< 0.011	< 0.012	< 0.011	< 0.011	< 0.013	< 0.013	< 0.012	< 0.013	< 0.011	< 0.012	< 0.012	< 0.011
2-Hexanone	N	-	< 0.012	< 0.01	< 0.01	< 0.011	< 0.012	< 0.011	< 0.011	< 0.013	< 0.013	< 0.012	< 0.013	< 0.011	< 0.012	< 0.012	< 0.011
4-Methyl-2-pentanone	N	-	< 0.012	< 0.01	< 0.01	< 0.011	< 0.012	< 0.011	< 0.011	< 0.013	< 0.013	< 0.012	< 0.013	< 0.011	< 0.012	< 0.012	< 0.011
Acetone	Y	0.05	< 0.024	**0.01 J**	< 0.021	< 0.022 UJ	< 0.024	< 0.023	< 0.022	< 0.027	< 0.026	< 0.024	< 0.026	< 0.022	< 0.025	< 0.025	**0.009 J**

TABLE 3-10
SUMMARY OF RESIDENTIAL SUBSURFACE SOIL ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location	Detected?	NYSDEC Part 375 Unrestricted Use SCO (mg/kg)	SB-07-04 4 - 5.5 ft 11/16/2007 SB-07-04(4-5.5)	SB-07-04 26 - 26.8 ft 11/16/2007 SB-07-04(26-26.8)	SB-07-11 1 - 3 ft 11/15/2007 SB-07-11(1-3)	SB-07-12 2 - 4 ft 11/15/2007 SB-07-12(2-4)	SB-07-13 0.2 - 1.5 ft 11/15/2007 SB-07-13(0.2-1.5)	SB-07-14 2 - 5 ft 11/15/2007 SB-07-14(2-5)	SB-07-15 1 - 3 ft 11/15/2007 SB-07-15(1-3)	SB-07-16 0 - 2 ft 11/15/2007 SB-07-16(0-2)	SB-07-17 0 - 2.3 ft 11/15/2007 SB-07-17(0-2.3)	SB-07-18 2 - 4.4 ft 11/15/2007 SB-07-18(2-4.4)	SB-07-19 0.4 - 3 ft 11/15/2007 SB-07-19(0.4-3)	SB-07-20 1 - 2 ft 11/15/2007 SB-07-20(1-2)	SB-07-21 1.5 - 2.5 ft 11/15/2007 SB-07-21(1.5-2.5)	SB-07-21 1.5 - 2.5 ft 11/15/2007 Duplicate SB-07-11-15-DUP	SB-07-22 0.4 - 2.3 ft 11/15/2007 SB-07-22(0.4-2.3)
Benzene	N	0.06	< 0.006 UJ	< 0.0052 UJ	< 0.0053 UJ	< 0.0054 UJ	< 0.0061 UJ	< 0.0057 UJ	< 0.0054 UJ	< 0.0067 UJ	< 0.0066 UJ	< 0.006 UJ	< 0.0066 UJ	< 0.0056 UJ	< 0.0062 UJ	< 0.0062 UJ	< 0.0057 UJ
Bromodichloromethane	N	-	< 0.006	< 0.0052	< 0.0053	< 0.0054	< 0.0061	< 0.0057	< 0.0054	< 0.0067	< 0.0066	< 0.006	< 0.0066	< 0.0056	< 0.0062	< 0.0062	< 0.0057
Bromoform	N	-	< 0.006	< 0.0052	< 0.0053	< 0.0054	< 0.0061	< 0.0057	< 0.0054	< 0.0067	< 0.0066	< 0.006	< 0.0066	< 0.0056	< 0.0062	< 0.0062	< 0.0057
Bromomethane	N	-	< 0.006	< 0.0052	< 0.0053	< 0.0054	< 0.0061	< 0.0057	< 0.0054	< 0.0067	< 0.0066	< 0.006	< 0.0066	< 0.0056	< 0.0062	< 0.0062	< 0.0057
Carbon disulfide	Y	-	< 0.012	**0.0016 J**	< 0.01 UJ	**0.0016 J**	**0.0026 J**	< 0.011 UJ	< 0.011	< 0.013	< 0.013	**0.0013 J**	< 0.013	< 0.011	**0.0022 J**	< 0.012	< 0.011
Carbon tetrachloride	N	0.76	< 0.006	< 0.0052	< 0.0053	< 0.0054	< 0.0061	< 0.0057	< 0.0054	< 0.0067	< 0.0066	< 0.006	< 0.0066	< 0.0056	< 0.0062	< 0.0062	< 0.0057
Chlorobenzene	N	1.1	< 0.006 UJ	< 0.0052 UJ	< 0.0053 UJ	< 0.0054 UJ	< 0.0061 UJ	< 0.0057 UJ	< 0.0054 UJ	< 0.0067 UJ	< 0.0066 UJ	< 0.006 UJ	< 0.0066 UJ	< 0.0056 UJ	< 0.0062 UJ	< 0.0062 UJ	< 0.0057 UJ
Chloroethane	N	-	< 0.006	< 0.0052	< 0.0053	< 0.0054	< 0.0061	< 0.0057	< 0.0054	< 0.0067	< 0.0066	< 0.006	< 0.0066	< 0.0056	< 0.0062	< 0.0062	< 0.0057
Chloroform	N	0.37	< 0.006	< 0.0052	< 0.0053	< 0.0054	< 0.0061	< 0.0057	< 0.0054	< 0.0067	< 0.0066	< 0.006	< 0.0066	< 0.0056	< 0.0062	< 0.0062	< 0.0057
Chloromethane	N	-	< 0.006	< 0.0052	< 0.0053	< 0.0054	< 0.0061	< 0.0057	< 0.0054	< 0.0067	< 0.0066	< 0.006	< 0.0066	< 0.0056	< 0.0062	< 0.0062	< 0.0057
cis-1,2-Dichloroethene	N	0.25	< 0.006	< 0.0052	< 0.0053	< 0.0054	< 0.0061	< 0.0057	< 0.0054	< 0.0067	< 0.0066	< 0.006	< 0.0066	< 0.0056	< 0.0062	< 0.0062	< 0.0057
cis-1,3-Dichloropropene	N	-	< 0.006	< 0.0052	< 0.0053	< 0.0054	< 0.0061	< 0.0057	< 0.0054	< 0.0067	< 0.0066	< 0.006	< 0.0066	< 0.0056	< 0.0062	< 0.0062	< 0.0057
Cyclohexane	N	-	< 0.012	< 0.01	< 0.01	< 0.011	< 0.012	< 0.011	< 0.011	< 0.013	< 0.013	< 0.012	< 0.013	< 0.011	< 0.012	< 0.012	< 0.011
Dibromochloromethane	N	-	< 0.006	< 0.0052	< 0.0053	< 0.0054	< 0.0061	< 0.0057	< 0.0054	< 0.0067	< 0.0066	< 0.006	< 0.0066	< 0.0056	< 0.0062	< 0.0062	< 0.0057
Dichlorodifluoromethane (CFC-12)	N	-	< 0.006	< 0.0052	< 0.0053	< 0.0054	< 0.0061	< 0.0057	< 0.0054	< 0.0067	< 0.0066	< 0.006	< 0.0066	< 0.0056	< 0.0062	< 0.0062	< 0.0057
Ethylbenzene	N	1	< 0.006	< 0.0052	< 0.0053	< 0.0054	< 0.0061	< 0.0057	< 0.0054	< 0.0067	< 0.0066	< 0.006	< 0.0066	< 0.0056	< 0.0062	< 0.0062	< 0.0057
Isopropylbenzene	N	-	< 0.006	< 0.0052	< 0.0053	< 0.0054	< 0.0061	< 0.0057	< 0.0054	< 0.0067	< 0.0066	< 0.006	< 0.0066	< 0.0056	< 0.0062	< 0.0062	< 0.0057
Methyl acetate	N	-	< 0.012	< 0.01	< 0.01	< 0.011	< 0.012	< 0.011	< 0.011	< 0.013	< 0.013	< 0.012	< 0.013	< 0.011	< 0.012	< 0.012	< 0.011
Methyl cyclohexane	N	-	< 0.012	< 0.01	< 0.01	< 0.011	< 0.012	< 0.011	< 0.011	< 0.013	< 0.013	< 0.012	< 0.013	< 0.011	< 0.012	< 0.012	< 0.011
Methyl tert butyl ether (MTBE)	N	0.93	< 0.006	< 0.0052	< 0.0053	< 0.0054	< 0.0061	< 0.0057	< 0.0054	< 0.0067	< 0.0066	< 0.006	< 0.0066	< 0.0056	< 0.0062	< 0.0062	< 0.0057
Methylene chloride	Y	0.05	**0.0042 J**	**0.011**	< 0.0053	**0.014**	**0.017**	< 0.0057	**0.0048 J**	**0.0035 J**	< 0.0066	**0.0088**	**0.0038 J**	**0.0028 J**	**0.01**	**0.0036 J**	**0.0072**
Styrene	N	-	< 0.006	< 0.0052	< 0.0053	< 0.0054	< 0.0061	< 0.0057	< 0.0054	< 0.0067	< 0.0066	< 0.006	< 0.0066	< 0.0056	< 0.0062	< 0.0062	< 0.0057
Tetrachloroethene	N	1.3	< 0.006	< 0.0052	< 0.0053	< 0.0054	< 0.0061	< 0.0057	< 0.0054	< 0.0067	< 0.0066	< 0.006	< 0.0066	< 0.0056	< 0.0062	< 0.0062	< 0.0057
Toluene	N	0.7	< 0.006	< 0.0052	< 0.0053	< 0.0054	< 0.0061	< 0.0057	< 0.0054	< 0.0067	< 0.0066	< 0.006	< 0.0066	< 0.0056	< 0.0062	< 0.0062	< 0.0057
trans-1,2-Dichloroethene	N	0.19	< 0.006	< 0.0052	< 0.0053	< 0.0054	< 0.0061	< 0.0057	< 0.0054	< 0.0067	< 0.0066	< 0.006	< 0.0066	< 0.0056	< 0.0062	< 0.0062	< 0.0057
trans-1,3-Dichloropropene	N	-	< 0.006	< 0.0052	< 0.0053	< 0.0054	< 0.0061	< 0.0057	< 0.0054	< 0.0067	< 0.0066	< 0.006	< 0.0066	< 0.0056	< 0.0062	< 0.0062	< 0.0057
Trichloroethene	N	0.47	< 0.006 UJ	< 0.0052 UJ	< 0.0053 UJ	< 0.0054 UJ	< 0.0061 UJ	< 0.0057 UJ	< 0.0054 UJ	< 0.0067 UJ	< 0.0066 UJ	< 0.006 UJ	< 0.0066 UJ	< 0.0056 UJ	< 0.0062 UJ	< 0.0062 UJ	< 0.0057 UJ
Trichlorofluoromethane (CFC-11)	N	-	< 0.006	< 0.0052	< 0.0053	< 0.0054	< 0.0061	< 0.0057	< 0.0054	< 0.0067	< 0.0066	< 0.006	< 0.0066	< 0.0056	< 0.0062	< 0.0062	< 0.0057
Trifluorotrichloroethane (Freon 113)	N	-	< 0.006	< 0.0052	< 0.0053	< 0.0054	< 0.0061	< 0.0057	< 0.0054	< 0.0067	< 0.0066	< 0.006	< 0.0066	< 0.0056	< 0.0062	< 0.0062	< 0.0057
Vinyl chloride	N	0.02	< 0.006	< 0.0052	< 0.0053	< 0.0054	< 0.0061	< 0.0057	< 0.0054	< 0.0067	< 0.0066	< 0.006	< 0.0066	< 0.0056	< 0.0062	< 0.0062	< 0.0057
Xylenes (total)	N	0.26	< 0.018	< 0.016	< 0.016	< 0.016	< 0.018	< 0.017	< 0.016	< 0.02	< 0.02	< 0.018	< 0.02	< 0.017	< 0.019	< 0.019	< 0.017

Notes and Abbreviations:
1. Orange shading indicates result exceeds NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives for Residential.
2. *Gray* shading indicates Reporting Detection Limit exceeds NYSDEC Part 375 Restricted Use Soil Cleanup Objectives for Residential.
3. <: Compound not detected above the indicated reporting limit.
   J: Estimated result.
   R: Rejected result.
   UJ: Non-detect, reporting limit is estimated.
4. Detected compounds are in bold.

TABLE 3-11
SUMMARY OF SEDIMENT ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location	SE-09-02	SE-09-03	SE-09-04	SE-09-04	SE-09-05	SE-09-05	SE-09-08	SE-09-08	SE-09-08	SE-09-08	SE-09-09	SE-09-10	SE-09-12
Sample Depth	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 1.4 ft	0 - 0.5 ft	0 - 1.3 ft	0 - 0.5 ft	0 - 0.5 ft	0.5 - 1.5 ft	1.5 - 2 ft	0 - 0.8 ft	0 - 0.5 ft	0 - 0.5 ft
Sample Date	8/11/2009	8/11/2009	8/11/2009	8/11/2009	8/11/2009	8/11/2009	8/14/2009	8/14/2009	8/14/2009	8/14/2009	8/13/2009	8/13/2009	8/13/2009
Sample Type	N	N	N	N	N	N	FD	N	N	N	N	N	N
Sample Name	SE-09-02 (0-0.5)	SE-09-03 (0-0.5)	SE-09-04 (0-0.5)	SE-09-04 (0-1.4)	SE-09-05 (0-0.5)	SE-09-05 (0-1.3)	SE-DUP-09-02	SE-09-08 (0-0.5)	SE-09-08 (0.5-1.5)	SE-09-08 (1.5-2)	SE-09-09 (0-0.8)	SE-09-10 (0-0.5)	SE-09-12 (0-0.5)
Grain Size (%)													
Clay	**37.6**	**36.6**	-	**15**	-	**13.4**	-	**10.6**	**46.7**	**37.8**	**10.9**	**49.3**	**13**
Coarse Sand	**0.3**	**0.8**	-	**8**	-	**1.9**	-	**4.9**	**0**	**0.1**	**0.4**	**0**	**1.2**
Fine Sand	**2.6**	**5.7**	-	**16.6**	-	**19.1**	-	**28.1**	**0.5**	**8**	**27.7**	**1**	**18**
Gravel	**0**	**8**	-	**30.7**	-	**6.8**	-	**9.8**	**0**	**0**	**0.3**	**0.2**	**0.8**
Medium Sand	**0.4**	**1.9**	-	**10.8**	-	**5.1**	-	**6.7**	**0.3**	**0.9**	**1.5**	**0.1**	**2.3**
Silt	**59.1**	**47**	-	**18.9**	-	**53.7**	-	**39.8**	**52.4**	**53.2**	**59.3**	**49.4**	**64.7**
OTHER (mg/kg)													
Total Organic Carbon	**39700**	**15100**	**33900**	-	**45200**	-	**37300 J**	**43000 J**	**29600 J**	**105000 J**	**25600 J**	**44500 J**	**51800 J**
PAHs (mg/kg)													
2-Methyl naphthalene	< 0.018	< 0.0028	< 0.016	-	< 0.022	-	< 0.2	**5.4 J**	**71**	**850**	< 0.033	< 0.034	< 0.044
Acenaphthene	< 0.018	< 0.0027	**0.14 J**	-	< 0.021	-	**23 J**	**20 J**	**170**	**870**	**0.3 J**	< 0.033	< 0.043
Acenaphthylene	< 0.012	< 0.0019	< 0.011	-	< 0.015	-	**10 J**	**5.2 J**	**18 J**	**170**	**0.19 J**	< 0.023	< 0.03
Anthracene	< 0.038	< 0.006	**1.3 J**	-	< 0.046	-	**29 J**	**29 J**	**98**	**700**	**0.44 J**	**0.25 J**	< 0.093
Benzo(a)anthracene	**0.15 J**	**0.057 J**	**4.6**	-	**0.29 J**	-	**110**	**73**	**120**	**530**	**0.9 J**	**1 J**	**0.96 J**
Benzo(a)pyrene	< 0.036	**0.053 J**	**4.9**	-	**0.27 J**	-	**73**	**50**	**82**	**360**	**0.9 J**	**0.96 J**	**0.87 J**
Benzo(b)fluoranthene	< 0.029	**0.064 J**	**4.1**	-	**0.31 J**	-	**79**	**58**	**88**	**360**	**1 J**	**1.1 J**	**0.95 J**
Benzo(g,h,i)perylene	< 0.018	**0.034 J**	**2.2 J**	-	< 0.022	-	**37**	**24 J**	**40 J**	**180**	**0.56 J**	**0.61 J**	**0.56 J**
Benzo(k)fluoranthene	< 0.017	**0.027 J**	**2.2 J**	-	< 0.02	-	**27 J**	**19 J**	**28 J**	**150**	**0.3 J**	**0.34 J**	**0.51 J**
Chrysene	**0.089 J**	**0.058 J**	**4**	-	**0.22 J**	-	**86**	**59**	**86**	**430**	**0.9 J**	**1 J**	**0.92 J**
Dibenzo(a,h)anthracene	< 0.018	< 0.0027	**0.87 J**	-	< 0.021	-	**11 J**	**6.4 J**	**11 J**	**54 J**	**0.14 J**	**0.18 J**	**0.19 J**
Fluoranthene	< 0.022	**0.1 J**	**5.1**	-	**0.35 J**	-	**210**	**140**	**270**	**1100**	**1.7 J**	**1.5 J**	**1.5 J**
Fluorene	< 0.035	< 0.0054	**0.41 J**	-	< 0.041	-	**13 J**	**18 J**	**140**	**710**	**0.33 J**	< 0.064	< 0.084
Indeno(1,2,3-cd)pyrene	< 0.042	**0.03 J**	**2.2 J**	-	< 0.05	-	**36**	**22 J**	**38 J**	**180**	**0.45 J**	**0.52 J**	**0.48 J**
Naphthalene	< 0.025	< 0.0039	< 0.023	-	< 0.03	-	**6.2 J**	**14 J**	**200**	**3100**	**0.61 J**	**0.35 J**	< 0.061
Phenanthrene	< 0.032	**0.055 J**	**2.9**	-	< 0.038	-	**37**	**80 J**	**400**	**2000**	**1.1 J**	**0.77 J**	**0.41 J**
Pyrene	< 0.0097	**0.085 J**	**4.9**	-	**0.32 J**	-	**190**	**130**	**240**	**1100**	**1.8 J**	**1.8 J**	**1.4 J**
Total PAHs	**0.239**	**0.563**	**39.82**	-	**1.76**	-	**977.2**	**753**	**2100**	**12844**	**11.62**	**10.38**	**8.75**
SVOCs (mg/kg)													
2,2'-Oxybis(1-Chloropropane)	< 0.16	< 0.024	< 0.14	-	< 0.19	-	< 1.7	< 1.6	< 2.4	< 5.4	< 0.28	< 0.29	< 0.38
2,4,5-Trichlorophenol	< 0.33	< 0.051	< 0.3	-	< 0.39	-	< 3.5	< 3.4	< 4.9	< 11	< 0.59	< 0.61	< 0.8
2,4,6-Trichlorophenol	< 0.099	< 0.015	< 0.09	-	< 0.12	-	< 1.1	< 1	< 1.5	< 3.4	< 0.18	< 0.18	< 0.24
2,4-Dichlorophenol	< 0.079	< 0.012	< 0.071	-	< 0.094	-	< 0.85	< 0.83	< 1.2	< 2.7	< 0.14	< 0.15	< 0.19
2,4-Dimethylphenol	< 0.41	< 0.063	< 0.37	-	< 0.48	-	< 4.4	< 4.3	< 6.1	**35 J**	< 0.73	< 0.75	< 0.98
2,4-Dinitrophenol	< 0.53	< 0.081	< 0.48	-	< 0.63	-	< 5.7	< 5.5	< 7.9	< 18	< 0.95	< 0.97	< 1.3
2,4-Dinitrotoluene	< 0.23	< 0.036	< 0.21	-	< 0.28	-	< 2.5 UJ	< 2.4 UJ	< 3.5 UJ	< 8	< 0.42 UJ	< 0.43 UJ	< 0.56 UJ
2,6-Dinitrotoluene	< 0.37	< 0.057	< 0.33	-	< 0.44	-	< 4	< 3.9	< 5.5	< 13	< 0.66	< 0.68	< 0.89
2-Chloronaphthalene	< 0.1	< 0.016	< 0.091	-	< 0.12	-	< 1.1	< 1.1	< 1.5	< 3.5	< 0.18	< 0.19	< 0.24
2-Chlorophenol	< 0.076	< 0.012	< 0.069	-	< 0.091	-	< 0.83	< 0.8	< 1.1	< 2.6	< 0.14	< 0.14	< 0.19
2-Methylphenol	< 0.046	< 0.0072	< 0.042	-	< 0.055	-	< 0.5	< 0.48	< 0.69	< 1.6	< 0.083	< 0.086	< 0.11
2-Nitroaniline	< 0.48	< 0.075	< 0.44	-	< 0.58	-	< 5.2 UJ	< 5.1 UJ	< 7.2 UJ	< 17	< 0.87 UJ	< 0.89 UJ	< 1.2 UJ
2-Nitrophenol	< 0.069	< 0.011	< 0.062	-	< 0.082	-	< 0.74	< 0.72	< 1	< 2.4	< 0.12	< 0.13	< 0.17
3,3-Dichlorobenzidine	< 1.3	< 0.2	< 1.2	-	< 1.6	-	< 14	< 14	< 20	< 45	< 2.4	< 2.4	< 3.2
3-Nitroaniline	< 0.35	< 0.054	< 0.31	-	< 0.41	-	< 3.7	< 3.6	< 5.2	< 12	< 0.62	< 0.64	< 0.84
4,6-Dinitro-2-methylphenol	< 0.52	< 0.08	< 0.47	-	< 0.62	-	< 5.6	< 5.4	< 7.8	< 18	< 0.93	< 0.96	< 1.3
4-Bromophenyl phenyl ether	< 0.48	< 0.074	< 0.43	-	< 0.57	-	< 5.2	< 5	< 7.2	< 16	< 0.86	< 0.89	< 1.2
4-Chloro-3-methylphenol	< 0.062	< 0.0096	< 0.056	-	< 0.074	-	< 0.67	< 0.65	< 0.93	< 2.1	< 0.11	< 0.11	< 0.15
4-Chloroaniline	< 0.44	< 0.068	< 0.4	-	< 0.53	-	< 4.8	< 4.6	< 6.6	< 15	< 0.79	< 0.82	< 1.1
4-Chlorophenyl phenyl ether	< 0.032	< 0.005	< 0.029	-	< 0.038	-	< 0.35	< 0.34	< 0.48	< 1.1	< 0.058	< 0.059	< 0.078
4-Methylphenol	< 0.084	< 0.013	< 0.076	-	< 0.1	-	< 0.9	< 0.88	< 1.3	**26 J**	< 0.15	< 0.15	< 0.2
4-Nitroaniline	< 0.17	< 0.026	< 0.15	-	< 0.2	-	< 1.8	< 1.8	< 2.5	< 5.8	< 0.3	< 0.31	< 0.41
4-Nitrophenol	< 0.36	< 0.056	< 0.33	-	< 0.43	-	< 3.9 UJ	< 3.8 UJ	< 5.5 UJ	< 13	< 0.66 UJ	< 0.67 UJ	< 0.88 UJ

TABLE 3-11
SUMMARY OF SEDIMENT ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location	SE-09-02	SE-09-03	SE-09-04	SE-09-04	SE-09-05	SE-09-05	SE-09-08	SE-09-08	SE-09-08	SE-09-08	SE-09-09	SE-09-10	SE-09-12
Sample Depth	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 1.4 ft	0 - 0.5 ft	0 - 1.3 ft	0 - 0.5 ft	0 - 0.5 ft	0.5 - 1.5 ft	1.5 - 2 ft	0 - 0.8 ft	0 - 0.5 ft	0 - 0.5 ft
Sample Date	8/11/2009	8/11/2009	8/11/2009	8/11/2009	8/11/2009	8/11/2009	8/14/2009	8/14/2009	8/14/2009	8/14/2009	8/13/2009	8/13/2009	8/13/2009
Sample Type	N	N	N	N	N	N	FD	N	N	N	N	N	N
Sample Name	SE-09-02 (0-0.5)	SE-09-03 (0-0.5)	SE-09-04 (0-0.5)	SE-09-04 (0-1.4)	SE-09-05 (0-0.5)	SE-09-05 (0-1.3)	SE-DUP-09-02	SE-09-08 (0-0.5)	SE-09-08 (0.5-1.5)	SE-09-08 (1.5-2)	SE-09-09 (0-0.8)	SE-09-10 (0-0.5)	SE-09-12 (0-0.5)
SVOCs (mg/kg, continued)													
Acetophenone	< 0.077	< 0.012	< 0.07	-	< 0.092	-	< 0.83	< 0.81	< 1.2	< 2.7	< 0.14	< 0.14	< 0.19
Atrazine	< 0.067	< 0.01	< 0.06	-	< 0.08	-	< 0.72	< 0.7	< 1	< 2.3	< 0.12	< 0.12	< 0.16
Benzaldehyde	< 0.16	< 0.026	< 0.15	-	< 0.2	-	< 1.8	< 1.7	< 2.5	< 5.7	< 0.3	< 0.31	< 0.4
Biphenyl	< 0.094	< 0.014	< 0.085	-	< 0.11	-	< 1	**1.3 J**	**18 J**	**150**	< 0.17	< 0.17	< 0.23
bis(2-Chloroethoxy)methane	< 0.082	< 0.013	< 0.074	-	< 0.098	-	< 0.88	< 0.86	< 1.2	< 2.8	< 0.15	< 0.15	< 0.2
bis(2-Chloroethyl)ether	< 0.13	< 0.02	< 0.12	-	< 0.15	-	< 1.4	< 1.4	< 1.9	< 4.5	< 0.23	< 0.24	< 0.31
bis(2-Ethylhexyl)phthalate	< 0.48	< 0.075	< 0.44	-	< 0.58	-	< 5.2	< 5.1	< 7.3	< 17	**2.4 J**	< 0.9	< 1.2
Butyl benzylphthalate	< 0.4	< 0.063	< 0.37	-	< 0.48	-	< 4.4	< 4.2	< 6.1	< 14	< 0.73	< 0.75	< 0.98
Caprolactam	< 0.65	< 0.1	< 0.59	-	< 0.78	-	< 7	< 6.8	< 9.8	< 22	< 1.2	< 1.2	< 1.6
Carbazole	< 0.017	< 0.0027	**0.14 J**	-	< 0.021	-	**2.7 J**	**9.8 J**	**26 J**	**250**	< 0.031	< 0.032	< 0.042
Dibenzofuran	< 0.016	< 0.0024	**0.19 J**	-	< 0.019	-	**5.6 J**	**12 J**	**110**	**620**	< 0.028	< 0.029	< 0.038
Diethyl phthalate	< 0.045	< 0.007	< 0.041	-	< 0.054	-	< 0.49	< 0.48	< 0.68	< 1.6	< 0.082	< 0.084	< 0.11
Dimethyl phthalate	< 0.039	< 0.0061	< 0.035	-	< 0.047	-	< 0.42	< 0.41	< 0.59	< 1.4	< 0.071	< 0.073	< 0.095
Di-n-butylphthalate	< 0.52	< 0.08	< 0.47	-	< 0.62	-	< 5.6	< 5.4	< 7.8	< 18	< 0.94	< 0.96	< 1.3
Di-n-octyl phthalate	< 0.035	< 0.0054	< 0.032	-	< 0.042	-	< 0.38	< 0.37	< 0.53	< 1.2	< 0.063	< 0.065	< 0.085
Hexachlorobenzene	< 0.075	< 0.012	< 0.068	-	< 0.089	-	< 0.81	< 0.78	< 1.1	< 2.6	< 0.13	< 0.14	< 0.18
Hexachlorobutadiene	< 0.077	< 0.012	< 0.07	-	< 0.092	-	< 0.83	< 0.81	< 1.2	< 2.7	< 0.14	< 0.14	< 0.19
Hexachlorocyclopentadiene	< 0.45	< 0.07	< 0.41	-	< 0.54	-	< 4.9	< 4.8	< 6.8	< 16	< 0.82	< 0.84	< 1.1
Hexachloroethane	< 0.12	< 0.018	< 0.11	-	< 0.14	-	< 1.3	< 1.2	< 1.7	< 4	< 0.21	< 0.22	< 0.28
Isophorone	< 0.075	< 0.012	< 0.068	-	< 0.09	-	< 0.81	< 0.79	< 1.1	< 2.6	< 0.14	< 0.14	< 0.18
Nitrobenzene	< 0.067	< 0.01	< 0.06	-	< 0.079	-	< 0.72 UJ	< 0.7 UJ	< 1 UJ	< 2.3	< 0.12 UJ	< 0.12 UJ	< 0.16 UJ
N-Nitrosodi-n-propylamine	< 0.12	< 0.018	< 0.11	-	< 0.14	-	< 1.3	< 1.2	< 1.8	< 4.1	< 0.21	< 0.22	< 0.29
N-Nitrosodiphenylamine	< 0.082	< 0.013	< 0.074	-	< 0.098	-	< 0.89	< 0.86	< 1.2	< 2.8	< 0.15	< 0.15	< 0.2
Pentachlorophenol	< 0.52	< 0.08	< 0.47	-	< 0.62	-	< 5.6	< 5.4	< 7.7	< 18	< 0.93	< 0.95	< 1.3
Phenol	< 0.16	< 0.025	< 0.14	-	< 0.19	-	< 1.7	< 1.7	< 2.4	< 5.5	< 0.28	< 0.29	< 0.38

Notes and Abbreviations:
1. <: Result is less than indicated reporting limit.
   J: Estimated result.
   R: Rejected result.
   UJ: Non-detect, reporting limit is estimated.
2. Results in bold are detected.

TABLE 3-11
SUMMARY OF SEDIMENT ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location	SE-09-13	SE-09-14	SE-09-15	SE-09-16	SE-09-17	SE-09-18	SE-09-19B	SE-09-20	SE-09-21	SE-09-22	SE-09-23	SE-09-24	SE-09-26
Sample Depth	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft
Sample Date	8/13/2009	8/12/2009	8/12/2009	8/12/2009	8/12/2009	8/12/2009	8/12/2009	8/13/2009	8/13/2009	8/13/2009	8/13/2009	8/12/2009	8/12/2009
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Name	SE-09-13 (0-0.5)	SE-09-14 (0-0.5)	SE-09-15 (0-0.5)	SE-09-16 (0-0.5)	SE-09-17 (0-0.5)	SE-09-18 (0-0.5)	SE-09-19B (0-0.5)	SE-09-20 (0-0.5)	SE-09-21 (0-0.5)	SE-09-22 (0-0.5)	SE-09-23 (0-0.5)	SE-09-24 (0-0.5)	SE-09-26 (0-0.5)
Grain Size (%)													
Clay	**6.9**	**19.2**	**5.2**	**6.7**	**4.4**	**10.4**	**3.4**	**11.1**	**12.1**	**6.4**	**5**	**5.5**	**4.2**
Coarse Sand	**0.8**	**0.5**	**0.9**	**0.5**	**2**	**0.4**	**8.2**	**0.1**	**0.7**	**5.3**	**1.1**	**1.7**	**1.8**
Fine Sand	**23.6**	**15**	**19.3**	**26.5**	**28.2**	**20.9**	**14**	**26.2**	**28.4**	**22**	**32.3**	**18.9**	**16**
Gravel	**1.8**	**0.8**	**3.3**	**0.7**	**2.5**	**0**	**54.8**	**0.5**	**0**	**8.8**	**1.6**	**0**	**0**
Medium Sand	**1.4**	**1.7**	**1.2**	**1.1**	**1.8**	**0.8**	**6.7**	**1.2**	**1.8**	**5.9**	**2.3**	**2**	**1.6**
Silt	**65.6**	**62.8**	**70.2**	**64.6**	**61.2**	**67.5**	**12.9**	**60.9**	**57**	**51.6**	**57.9**	**71.9**	**76.5**
OTHER (mg/kg)													
Total Organic Carbon	**41000 J**	**35600 J**	**34800**	**33500**	**45800**	**36700**	**17900**	**30300 J**	**29300 J**	**41500 J**	**31600 J**	**50700**	**57300**
PAHs (mg/kg)													
2-Methyl naphthalene	< 0.042	< 0.043	< 0.021	< 0.021	< 0.026	< 0.022	< 0.012	< 0.033	< 0.032	< 0.079	< 0.074	< 0.059	**0.12 J**
Acenaphthene	< 0.041	< 0.042	< 0.02	< 0.021	< 0.025	< 0.021	< 0.012	< 0.032	< 0.031	**1.3 J**	< 0.072	< 0.057	< 0.015
Acenaphthylene	< 0.028	< 0.029	< 0.014	< 0.014	< 0.017	< 0.015	< 0.0082	< 0.022	< 0.021	< 0.053	< 0.05	< 0.04	< 0.01
Anthracene	< 0.089	**0.35 J**	< 0.044	< 0.045	< 0.054	< 0.046	< 0.026	**0.11 J**	**0.17 J**	**2.7 J**	< 0.16	< 0.12	< 0.033
Benzo(a)anthracene	**0.51 J**	**2.1 J**	**0.48 J**	**0.4 J**	**0.3 J**	**0.74 J**	< 0.017	**0.48 J**	**0.75 J**	**4.6 J**	**0.75 J**	**0.67 J**	**0.49 J**
Benzo(a)pyrene	**0.45 J**	**1.6 J**	**0.45 J**	**0.4 J**	**0.29 J**	**0.74 J**	< 0.024	**0.41 J**	**0.62 J**	**3.2 J**	**0.6 J**	< 0.12	**0.5 J**
Benzo(b)fluoranthene	**0.48 J**	**2.5 J**	**0.56 J**	**0.41 J**	**0.38 J**	**0.67 J**	< 0.02	**0.52 J**	**0.69 J**	**3.9 J**	**0.57 J**	**0.85 J**	**0.54 J**
Benzo(g,h,i)perylene	**0.32 J**	**0.83 J**	**0.32 J**	< 0.021	< 0.026	**0.51 J**	< 0.012	**0.31 J**	**0.42 J**	**1.7 J**	< 0.073	< 0.058	**0.32 J**
Benzo(k)fluoranthene	**0.29 J**	< 0.039	**0.15 J**	**0.19 J**	< 0.023	**0.52 J**	< 0.011	**0.2 J**	**0.23 J**	**1.2 J**	**0.39 J**	< 0.054	**0.22 J**
Chrysene	**0.44 J**	**1.6 J**	**0.39 J**	**0.36 J**	**0.28 J**	**0.66 J**	< 0.01	**0.37 J**	**0.82 J**	**4.3 J**	**0.65 J**	**0.68 J**	**0.46 J**
Dibenzo(a,h)anthracene	< 0.041	**0.33 J**	< 0.02	< 0.021	< 0.025	< 0.021	< 0.012	< 0.032	**0.13 J**	**0.63 J**	< 0.072	< 0.057	< 0.015
Fluoranthene	**0.75 J**	**2.9 J**	**0.67 J**	**0.61 J**	**0.48 J**	**1.3 J**	< 0.015	**0.67 J**	**1.2 J**	**9.8 J**	**0.87 J**	**1.1 J**	**0.86 J**
Fluorene	< 0.08	< 0.083	< 0.039	< 0.04	< 0.049	< 0.042	< 0.023	< 0.063	< 0.06	**1.5 J**	< 0.14	< 0.11	< 0.029
Indeno(1,2,3-cd)pyrene	**0.31 J**	**0.84 J**	**0.27 J**	**0.24 J**	< 0.059	**0.45 J**	< 0.028	**0.28 J**	**0.35 J**	**1.8 J**	**0.37 J**	< 0.13	**0.29 J**
Naphthalene	< 0.058	< 0.06	< 0.028	< 0.029	< 0.035	< 0.03	< 0.017	< 0.045	< 0.043	< 0.11	< 0.1	< 0.081	< 0.021
Phenanthrene	**0.27 J**	**0.71 J**	< 0.036	**0.26 J**	< 0.045	**0.61 J**	< 0.021	**0.3 J**	**0.55 J**	**9.3 J**	< 0.13	< 0.1	**0.41 J**
Pyrene	**0.8 J**	**3.4 J**	**0.61 J**	**0.55 J**	**0.44 J**	**1.1 J**	< 0.0065	**0.71 J**	**1.4 J**	**9.1 J**	**0.92 J**	**0.95 J**	**0.78 J**
Total PAHs	**4.62**	**17.16**	**3.9**	**3.42**	**2.17**	**7.3**	-	**4.36**	**7.33**	**55.03**	**5.12**	**4.25**	**4.99**
SVOCs (mg/kg)													
2,2'-Oxybis(1-Chloropropane)	< 0.36	< 0.37	< 0.18	< 0.18	< 0.22	< 0.19	< 0.11	< 0.28	< 0.27	< 0.68	< 0.64	< 0.51	< 0.13
2,4,5-Trichlorophenol	< 0.76	< 0.78	< 0.37	< 0.38	< 0.46	< 0.39	< 0.22	< 0.59	< 0.57	< 1.4	< 1.3	< 1.1	< 0.28
2,4,6-Trichlorophenol	< 0.23	< 0.24	< 0.11	< 0.12	< 0.14	< 0.12	< 0.066	< 0.18	< 0.17	< 0.43	< 0.4	< 0.32	< 0.084
2,4-Dichlorophenol	< 0.18	< 0.19	< 0.09	< 0.092	< 0.11	< 0.095	< 0.053	< 0.14	< 0.14	< 0.34	< 0.32	< 0.26	< 0.067
2,4-Dimethylphenol	< 0.94	< 0.97	< 0.46	< 0.47	< 0.57	< 0.49	< 0.27	< 0.74	< 0.71	< 1.8	< 1.6	< 1.3	< 0.35
2,4-Dinitrophenol	< 1.2	< 1.3	< 0.6	< 0.61	< 0.74	< 0.63	< 0.35	< 0.95	< 0.91	< 2.3	< 2.1	< 1.7	< 0.45
2,4-Dinitrotoluene	< 0.54 UJ	< 0.55 UJ	< 0.27	< 0.27	< 0.33	< 0.28	< 0.16	< 0.42 UJ	< 0.4 UJ	< 1 UJ	< 0.95 UJ	< 0.75	< 0.2
2,6-Dinitrotoluene	< 0.85	< 0.88	< 0.42	< 0.43	< 0.52	< 0.44	< 0.25	< 0.67	< 0.64	< 1.6	< 1.5	< 1.2	< 0.31
2-Chloronaphthalene	< 0.23	< 0.24	< 0.11	< 0.12	< 0.14	< 0.12	< 0.068	< 0.18	< 0.18	< 0.44	< 0.41	< 0.33	< 0.086
2-Chlorophenol	< 0.18	< 0.18	< 0.087	< 0.089	< 0.11	< 0.092	< 0.051	< 0.14	< 0.13	< 0.33	< 0.31	< 0.25	< 0.065
2-Methylphenol	< 0.11	< 0.11	< 0.053	< 0.054	< 0.065	< 0.056	< 0.031	< 0.084	< 0.08	< 0.2	< 0.19	< 0.15	< 0.039
2-Nitroaniline	< 1.1 UJ	< 1.1 UJ	< 0.55	< 0.56	< 0.68	< 0.58	< 0.32	< 0.87 UJ	< 0.84 UJ	< 2.1 UJ	< 2 UJ	< 1.6	< 0.41
2-Nitrophenol	< 0.16	< 0.16	< 0.078	< 0.08	< 0.097	< 0.083	< 0.046	< 0.12	< 0.12	< 0.3	< 0.28	< 0.22	< 0.058
3,3-Dichlorobenzidine	< 3	< 3.1	< 1.5	< 1.5	< 1.9	< 1.6	< 0.88	< 2.4	< 2.3	< 5.7	< 5.4	< 4.3	< 1.1
3-Nitroaniline	< 0.8	< 0.82	< 0.39	< 0.4	< 0.49	< 0.42	< 0.23	< 0.63	< 0.6	< 1.5	< 1.4	< 1.1	< 0.29
4,6-Dinitro-2-methylphenol	< 1.2	< 1.2	< 0.59	< 0.61	< 0.73	< 0.62	< 0.35	< 0.94	< 0.9	< 2.2	< 2.1	< 1.7	< 0.44
4-Bromophenyl phenyl ether	< 1.1	< 1.1	< 0.54	< 0.56	< 0.68	< 0.58	< 0.32	< 0.87	< 0.83	< 2.1	< 1.9	< 1.5	< 0.41
4-Chloro-3-methylphenol	< 0.14	< 0.15	< 0.07	< 0.072	< 0.088	< 0.074	< 0.041	< 0.11	< 0.11	< 0.27	< 0.25	< 0.2	< 0.053
4-Chloroaniline	< 1	< 1.1	< 0.5	< 0.52	< 0.62	< 0.53	< 0.3	< 0.8	< 0.77	< 1.9	< 1.8	< 1.4	< 0.38
4-Chlorophenyl phenyl ether	< 0.074	< 0.076	< 0.036	< 0.037	< 0.045	< 0.039	< 0.021	< 0.058	< 0.056	< 0.14	< 0.13	< 0.1	< 0.027
4-Methylphenol	< 0.19	< 0.2	< 0.095	< 0.098	< 0.12	< 0.1	< 0.056	< 0.15	< 0.15	< 0.36	< 0.34	< 0.27	< 0.071
4-Nitroaniline	< 0.39	< 0.4	< 0.19	< 0.2	< 0.24	< 0.2	< 0.11	< 0.3	< 0.29	< 0.73	< 0.68	< 0.54	< 0.14
4-Nitrophenol	< 0.84 UJ	< 0.87 UJ	< 0.42	< 0.43	< 0.52	< 0.44	< 0.24	< 0.66 UJ	< 0.63 UJ	< 1.6 UJ	< 1.5 UJ	< 1.2	< 0.31

TABLE 3-11
SUMMARY OF SEDIMENT ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location	SE-09-13	SE-09-14	SE-09-15	SE-09-16	SE-09-17	SE-09-18	SE-09-19B	SE-09-20	SE-09-21	SE-09-22	SE-09-23	SE-09-24	SE-09-26
Sample Depth	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft
Sample Date	8/13/2009	8/12/2009	8/12/2009	8/12/2009	8/12/2009	8/12/2009	8/12/2009	8/13/2009	8/13/2009	8/13/2009	8/13/2009	8/12/2009	8/12/2009
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Name	SE-09-13 (0-0.5)	SE-09-14 (0-0.5)	SE-09-15 (0-0.5)	SE-09-16 (0-0.5)	SE-09-17 (0-0.5)	SE-09-18 (0-0.5)	SE-09-19B (0-0.5)	SE-09-20 (0-0.5)	SE-09-21 (0-0.5)	SE-09-22 (0-0.5)	SE-09-23 (0-0.5)	SE-09-24 (0-0.5)	SE-09-26 (0-0.5)
SVOCs (mg/kg, continued)													
Acetophenone	< 0.18	< 0.18	< 0.088	< 0.09	< 0.11	< 0.093	< 0.052	< 0.14	< 0.13	< 0.33	< 0.31	< 0.25	< 0.066
Atrazine	< 0.15	< 0.16	< 0.076	< 0.078	< 0.095	< 0.08	< 0.045	< 0.12	< 0.12	< 0.29	< 0.27	< 0.22	< 0.057
Benzaldehyde	< 0.38	< 0.39	< 0.19	< 0.19	< 0.23	< 0.2	< 0.11	< 0.3	< 0.29	< 0.71	< 0.67	< 0.53	< 0.14
Biphenyl	< 0.22	< 0.22	< 0.11	< 0.11	< 0.13	< 0.11	< 0.063	< 0.17	< 0.16	< 0.41	< 0.38	< 0.3	< 0.08
bis(2-Chloroethoxy)methane	< 0.19	< 0.19	< 0.093	< 0.096	< 0.12	< 0.098	< 0.055	< 0.15	< 0.14	< 0.35	< 0.33	< 0.26	< 0.07
bis(2-Chloroethyl)ether	< 0.3	< 0.31	< 0.15	< 0.15	< 0.18	< 0.16	< 0.087	< 0.24	< 0.23	< 0.56	< 0.53	< 0.42	< 0.11
bis(2-Ethylhexyl)phthalate	< 1.1	< 1.2	< 0.55	< 0.57	< 0.69	< 0.58	**0.75 J**	< 0.88	< 0.84	< 2.1	< 2	< 1.6	< 0.41
Butyl benzylphthalate	< 0.93	< 0.96	< 0.46	< 0.47	< 0.57	< 0.49	< 0.27	< 0.73	< 0.7	< 1.7	< 1.6	< 1.3	< 0.34
Caprolactam	< 1.5	< 1.5	< 0.74	< 0.76	< 0.92	< 0.78	< 0.44	< 1.2	< 1.1	< 2.8	< 2.6	< 2.1	< 0.55
Carbazole	< 0.04	< 0.041	< 0.02	< 0.02	< 0.025	< 0.021	< 0.012	< 0.032	< 0.03	**0.84 J**	< 0.071	< 0.056	< 0.015
Dibenzofuran	< 0.036	< 0.037	< 0.018	< 0.018	< 0.022	< 0.019	< 0.01	< 0.028	< 0.027	**0.66 J**	< 0.064	< 0.051	< 0.013
Diethyl phthalate	< 0.1	< 0.11	< 0.052	< 0.053	< 0.064	< 0.055	< 0.03	< 0.082	< 0.079	< 0.2	< 0.18	< 0.15	< 0.039
Dimethyl phthalate	< 0.09	< 0.093	< 0.045	< 0.046	< 0.056	< 0.047	< 0.026	< 0.071	< 0.068	< 0.17	< 0.16	< 0.13	< 0.033
Di-n-butylphthalate	< 1.2	< 1.2	< 0.59	< 0.61	< 0.74	< 0.63	< 0.35	< 0.94	< 0.9	< 2.2	< 2.1	< 1.7	< 0.44
Di-n-octyl phthalate	< 0.081	< 0.084	< 0.04	< 0.041	< 0.05	< 0.042	< 0.024	< 0.064	< 0.061	< 0.15	< 0.14	< 0.11	< 0.03
Hexachlorobenzene	< 0.17	< 0.18	< 0.085	< 0.087	< 0.11	< 0.09	< 0.05	< 0.14	< 0.13	< 0.32	< 0.3	< 0.24	< 0.064
Hexachlorobutadiene	< 0.18	< 0.18	< 0.088	< 0.09	< 0.11	< 0.093	< 0.052	< 0.14	< 0.13	< 0.33	< 0.31	< 0.25	< 0.065
Hexachlorocyclopentadiene	< 1	< 1.1	< 0.52	< 0.53	< 0.64	< 0.55	< 0.3	< 0.82	< 0.79	< 2	< 1.8	< 1.5	< 0.39
Hexachloroethane	< 0.27	< 0.28	< 0.13	< 0.14	< 0.16	< 0.14	< 0.078	< 0.21	< 0.2	< 0.5	< 0.47	< 0.38	< 0.099
Isophorone	< 0.17	< 0.18	< 0.086	< 0.088	< 0.11	< 0.09	< 0.05	< 0.14	< 0.13	< 0.33	< 0.31	< 0.24	< 0.064
Nitrobenzene	< 0.15 UJ	< 0.16 UJ	< 0.076	< 0.078	< 0.094	< 0.08	< 0.045	< 0.12 UJ	< 0.12 UJ	< 0.29 UJ	< 0.27 UJ	< 0.22	< 0.057
N-Nitrosodi-n-propylamine	< 0.27	< 0.28	< 0.14	< 0.14	< 0.17	< 0.14	< 0.08	< 0.22	< 0.21	< 0.52	< 0.48	< 0.39	< 0.1
N-Nitrosodiphenylamine	< 0.19	< 0.2	< 0.094	< 0.096	< 0.12	< 0.099	< 0.055	< 0.15	< 0.14	< 0.36	< 0.33	< 0.27	< 0.07
Pentachlorophenol	< 1.2	< 1.2	< 0.59	< 0.6	< 0.73	< 0.62	< 0.35	< 0.94	< 0.9	< 2.2	< 2.1	< 1.7	< 0.44
Phenol	< 0.37	< 0.38	< 0.18	< 0.18	< 0.22	< 0.19	< 0.11	< 0.29	< 0.28	< 0.68	< 0.64	< 0.51	< 0.13

Notes and Abbreviations:
1. <: Result is less than indicated reporting limit.
   J: Estimated result.
   R: Rejected result.
   UJ: Non-detect, reporting limit is estimated.
2. Results in bold are detected.

TABLE 3-11
SUMMARY OF SEDIMENT ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location	SE-09-27	SE-09-28	SE-09-29	SE-09-30	SE-09-30	SE-09-31	SE-09-32	SE-09-38	SE-09-39	SE-09-40	SE-09-40	SE-09-40	SE-09-41B
Sample Depth	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.4 ft	0 - 0.3 ft	0 - 0.5 ft	0.5 - 1.8 ft	1.8 - 2.6 ft	0 - 0.4 ft
Sample Date	8/12/2009	8/11/2009	8/11/2009	8/11/2009	8/11/2009	8/11/2009	8/11/2009	8/17/2009	8/18/2009	8/18/2009	8/18/2009	8/18/2009	8/18/2009
Sample Type	N	N	N	FD	N	N	N	N	N	N	N	N	N
Sample Name	SE-09-27 (0-0.5)	SE-09-28 (0-0.5)	SE-09-29 (0-0.5)	DUP-SE-09-01	SE-09-30 (0-0.5)	SE-09-31 (0-0.5)	SE-09-32 (0-0.5)	SE-09-38 (0-0.4)	SE-09-39 (0-0.3)	SE-09-40 (0-0.5)	SE-09-40 (0.5-1.8)	SE-09-40 (1.8-2.6)	SE-09-41B (0-0.4)
Grain Size (%)													
Clay	**6.5**	**28.7**	**10.8**	-	**11**	**13.9**	**5.1**	-	-	-	-	-	-
Coarse Sand	**1.3**	**0.2**	**1.5**	-	**1.1**	**0.4**	**0.5**	-	-	-	-	-	-
Fine Sand	**36**	**10.6**	**27**	-	**23**	**20.1**	**26.6**	-	-	-	-	-	-
Gravel	**0.7**	**0.1**	**0.3**	-	**0.2**	**0.2**	**0.1**	-	-	-	-	-	-
Medium Sand	**2.2**	**1.1**	**2.7**	-	**3.4**	**1.6**	**1.2**	-	-	-	-	-	-
Silt	**53.4**	**59.4**	**57.8**	-	**61.3**	**63.8**	**66.5**	-	-	-	-	-	-
OTHER (mg/kg)													
Total Organic Carbon	**32400**	**33100**	**31600**	**32800**	**43400**	**44100**	**28900**	**23800**	**12200**	**56800**	**37100**	**159000**	**67400**
PAHs (mg/kg)													
2-Methyl naphthalene	< 0.022	< 0.016	< 0.02	< 0.019	< 0.042	< 0.039	< 0.02	< 0.025	< 0.035	< 0.071	**0.25 J**	**120**	**0.19 J**
Acenaphthene	< 0.022	< 0.016	< 0.019	**0.45 J**	**0.89 J**	< 0.037	< 0.02	< 0.025	< 0.034	< 0.069	**1.5 J**	**170**	**0.6 J**
Acenaphthylene	< 0.015	< 0.011	< 0.014	< 0.013	< 0.028	< 0.026	< 0.014	< 0.017	< 0.023	< 0.048	**0.74 J**	**7.3 J**	**0.29 J**
Anthracene	< 0.047	< 0.034	< 0.042	**1.1 J**	**2.6 J**	< 0.082	< 0.043	< 0.054	< 0.073	**0.3 J**	**7.1 J**	**130**	**0.79 J**
Benzo(a)anthracene	**0.29 J**	**0.29 J**	**0.39 J**	**3.1**	**4.3 J**	**0.83 J**	**0.31 J**	**0.12 J**	**0.16 J**	**1.8 J**	**11**	**110**	**1.5 J**
Benzo(a)pyrene	**0.25 J**	**0.28 J**	**0.38 J**	**2.9 J**	**4.1 J**	**0.8 J**	**0.29 J**	< 0.051	**0.12 J**	**1.9 J**	**8.6**	**87**	**1.2 J**
Benzo(b)fluoranthene	**0.33 J**	**0.34 J**	**0.45 J**	**3.2**	**4.4 J**	**1.3 J**	**0.35 J**	< 0.041	**0.23 J**	**2.2 J**	**12**	**85**	**1.5 J**
Benzo(g,h,i)perylene	< 0.022	< 0.016	< 0.02	**1.9 J**	**2.5 J**	< 0.038	< 0.02	< 0.025	< 0.034	**1.3 J**	**4.6 J**	**47 J**	**0.61 J**
Benzo(k)fluoranthene	< 0.02	**0.14 J**	**0.21 J**	**1.4 J**	**2 J**	< 0.035	**0.18 J**	< 0.023	< 0.031	< 0.065	< 0.047	**27 J**	< 0.02
Chrysene	**0.27 J**	**0.25 J**	**0.39 J**	**3**	**4.2 J**	**0.78 J**	**0.25 J**	< 0.021	< 0.029	**1.6 J**	**8.4**	**85**	**1.2 J**
Dibenzo(a,h)anthracene	< 0.022	< 0.016	< 0.019	**0.54 J**	**0.72 J**	< 0.037	< 0.02	< 0.025	< 0.034	**0.6 J**	**1.5 J**	**14 J**	**0.27 J**
Fluoranthene	**0.46 J**	**0.39 J**	**0.66 J**	**6.8**	**9.9**	**1.4 J**	**0.44 J**	< 0.03	**0.16 J**	**2.5 J**	**22**	**250**	**3.2 J**
Fluorene	< 0.042	< 0.031	< 0.038	**0.42 J**	**1.1 J**	< 0.073	< 0.039	< 0.048	< 0.066	< 0.14	**2 J**	**120**	**0.61 J**
Indeno(1,2,3-cd)pyrene	**0.16 J**	**0.16 J**	**0.21 J**	**1.7 J**	**2.2 J**	**0.47 J**	**0.16 J**	< 0.058	< 0.079	**0.41 J**	**3.4 J**	**35 J**	**0.34 J**
Naphthalene	< 0.03	< 0.022	< 0.028	< 0.026	< 0.057	< 0.053	< 0.028	< 0.035	< 0.047	< 0.098	**0.41 J**	**210**	**1 J**
Phenanthrene	< 0.038	< 0.028	**0.41 J**	**4.5**	**9.2 J**	**0.89 J**	**0.19 J**	< 0.044	< 0.06	**1.2 J**	**19**	**370**	**1.8 J**
Pyrene	**0.4 J**	**0.37 J**	**0.6 J**	**5.6**	**8**	**1.2 J**	**0.42 J**	< 0.014	**0.14 J**	**2.3 J**	**16**	**180**	**2.5 J**
Total PAHs	**2.16**	**2.22**	**3.7**	**36.61**	**56.11**	**7.67**	**2.59**	**0.12**	**0.81**	**16.11**	**118.5**	**2047.3**	**17.6**
SVOCs (mg/kg)													
2,2'-Oxybis(1-Chloropropane)	< 0.19	< 0.14	< 0.17	< 0.16	< 0.36	< 0.33	< 0.18	< 0.22	< 0.3	< 0.61	< 0.45	< 3.7	< 0.19
2,4,5-Trichlorophenol	< 0.4	< 0.29	< 0.36	< 0.34	< 0.75	< 0.7	< 0.37	< 0.46	< 0.62	< 1.3	< 0.93	< 7.7	< 0.4
2,4,6-Trichlorophenol	< 0.12	< 0.089	< 0.11	< 0.1	< 0.23	< 0.21	< 0.11	< 0.14	< 0.19	< 0.39	< 0.28	< 2.3	< 0.12
2,4-Dichlorophenol	< 0.096	< 0.07	< 0.087	< 0.081	< 0.18	< 0.17	< 0.088	< 0.11	< 0.15	< 0.31	< 0.22	< 1.9	< 0.095
2,4-Dimethylphenol	< 0.49	< 0.36	< 0.45	< 0.42	< 0.93	< 0.86	< 0.46	< 0.57	< 0.77	< 1.6	< 1.2	< 9.6	< 0.49
2,4-Dinitrophenol	< 0.64	< 0.47	< 0.58	< 0.54	< 1.2	< 1.1	< 0.59	< 0.73	< 1	< 2.1	< 1.5	< 12	< 0.63
2,4-Dinitrotoluene	< 0.28	< 0.21	< 0.26	< 0.24	< 0.53	< 0.49	< 0.26	< 0.32	< 0.44	< 0.91	< 0.66	< 5.5	< 0.28
2,6-Dinitrotoluene	< 0.45	< 0.33	< 0.4	< 0.38	< 0.84	< 0.78	< 0.41	< 0.51	< 0.7	< 1.4	< 1	< 8.7	< 0.44
2-Chloronaphthalene	< 0.12	< 0.09	< 0.11	< 0.1	< 0.23	< 0.21	< 0.11	< 0.14	< 0.19	< 0.39	< 0.29	< 2.4	< 0.12
2-Chlorophenol	< 0.093	< 0.068	< 0.084	< 0.079	< 0.18	< 0.16	< 0.086	< 0.11	< 0.15	< 0.3	< 0.22	< 1.8	< 0.092
2-Methylphenol	< 0.056	< 0.041	< 0.051	< 0.047	< 0.11	< 0.098	< 0.052	< 0.064	< 0.088	< 0.18	< 0.13	< 1.1	< 0.056
2-Nitroaniline	< 0.59	< 0.43	< 0.53	< 0.5	< 1.1	< 1	< 0.54	< 0.67	< 0.91	< 1.9	< 1.4	< 11	< 0.58
2-Nitrophenol	< 0.084	< 0.061	< 0.076	< 0.071	< 0.16	< 0.15	< 0.077	< 0.096	< 0.13	< 0.27	< 0.2	< 1.6	< 0.083
3,3-Dichlorobenzidine	< 1.6	< 1.2	< 1.4	< 1.4	< 3	< 2.8	< 1.5	< 1.8	< 2.5	< 5.2	< 3.7	< 31	< 1.6
3-Nitroaniline	< 0.42	< 0.31	< 0.38	< 0.35	< 0.79	< 0.73	< 0.39	< 0.48	< 0.66	< 1.4	< 0.98	< 8.1	< 0.42
4,6-Dinitro-2-methylphenol	< 0.63	< 0.46	< 0.57	< 0.53	< 1.2	< 1.1	< 0.58	< 0.72	< 0.98	< 2	< 1.5	< 12	< 0.63
4-Bromophenyl phenyl ether	< 0.58	< 0.43	< 0.53	< 0.49	< 1.1	< 1	< 0.54	< 0.67	< 0.91	< 1.9	< 1.4	< 11	< 0.58
4-Chloro-3-methylphenol	< 0.075	< 0.055	< 0.068	< 0.064	< 0.14	< 0.13	< 0.069	< 0.086	< 0.12	< 0.24	< 0.18	< 1.5	< 0.075
4-Chloroaniline	< 0.54	< 0.39	< 0.49	< 0.45	< 1	< 0.94	< 0.49	< 0.62	< 0.84	< 1.7	< 1.3	< 10	< 0.53
4-Chlorophenyl phenyl ether	< 0.039	< 0.029	< 0.035	< 0.033	< 0.073	< 0.068	< 0.036	< 0.045	< 0.061	< 0.13	< 0.091	< 0.75	< 0.039
4-Methylphenol	< 0.1	< 0.075	< 0.092	< 0.086	< 0.19	< 0.18	< 0.094	< 0.12	**0.74 J**	< 0.33	< 0.24	< 2	< 0.1
4-Nitroaniline	< 0.2	< 0.15	< 0.18	< 0.17	< 0.38	< 0.36	< 0.19	< 0.23	< 0.32	< 0.66	< 0.48	< 4	< 0.2
4-Nitrophenol	< 0.44	< 0.33	< 0.4	< 0.37	< 0.83	< 0.77	< 0.41	< 0.51	< 0.69	< 1.4	< 1	< 8.6	< 0.44

TABLE 3-11
SUMMARY OF SEDIMENT ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location	SE-09-27	SE-09-28	SE-09-29	SE-09-30	SE-09-30	SE-09-31	SE-09-32	SE-09-38	SE-09-39	SE-09-40	SE-09-40	SE-09-40	SE-09-41B
Sample Depth	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.4 ft	0 - 0.3 ft	0 - 0.5 ft	0.5 - 1.8 ft	1.8 - 2.6 ft	0 - 0.4 ft
Sample Date	8/12/2009	8/11/2009	8/11/2009	8/11/2009	8/11/2009	8/11/2009	8/11/2009	8/17/2009	8/18/2009	8/18/2009	8/18/2009	8/18/2009	8/18/2009
Sample Type	N	N	N	FD	N	N	N	N	N	N	N	N	N
Sample Name	SE-09-27 (0-0.5)	SE-09-28 (0-0.5)	SE-09-29 (0-0.5)	DUP-SE-09-01	SE-09-30 (0-0.5)	SE-09-31 (0-0.5)	SE-09-32 (0-0.5)	SE-09-38 (0-0.4)	SE-09-39 (0-0.3)	SE-09-40 (0-0.5)	SE-09-40 (0.5-1.8)	SE-09-40 (1.8-2.6)	SE-09-41B (0-0.4)
SVOCs (mg/kg, continued)													
Acetophenone	< 0.094	< 0.069	< 0.085	< 0.079	< 0.18	< 0.16	< 0.087	< 0.11	< 0.15	< 0.3	< 0.22	< 1.8	< 0.093
Atrazine	< 0.082	< 0.06	< 0.074	< 0.069	< 0.15	< 0.14	< 0.075	< 0.093	< 0.13	< 0.26	< 0.19	< 1.6	< 0.081
Benzaldehyde	< 0.2	< 0.15	< 0.18	< 0.17	< 0.38	< 0.35	< 0.18	< 0.23	< 0.31	< 0.64	< 0.47	< 3.9	< 0.2
Biphenyl	< 0.11	< 0.084	< 0.1	< 0.096	< 0.21	< 0.2	< 0.11	< 0.13	< 0.18	< 0.37	< 0.27	**21 J**	< 0.11
bis(2-Chloroethoxy)methane	< 0.1	< 0.073	< 0.09	< 0.084	< 0.19	< 0.17	< 0.092	< 0.11	< 0.16	< 0.32	< 0.23	< 1.9	< 0.099
bis(2-Chloroethyl)ether	< 0.16	< 0.12	< 0.14	< 0.13	< 0.3	< 0.28	< 0.15	< 0.18	< 0.25	< 0.51	< 0.37	< 3.1	< 0.16
bis(2-Ethylhexyl)phthalate	< 0.59	< 0.43	< 0.53	< 0.5	< 1.1	< 1	< 0.54	**3 J**	**1.1 J**	< 1.9	< 1.4	< 11	< 0.58
Butyl benzylphthalate	< 0.49	< 0.36	< 0.44	< 0.41	< 0.92	< 0.86	< 0.45	< 0.56	< 0.77	< 1.6	< 1.1	< 9.5	< 0.49
Caprolactam	< 0.79	< 0.58	< 0.71	< 0.67	< 1.5	< 1.4	< 0.73	< 0.91	< 1.2	< 2.5	< 1.9	< 15	< 0.78
Carbazole	< 0.021	< 0.016	< 0.019	**0.58 J**	**1.4 J**	< 0.037	< 0.02	< 0.024	< 0.033	< 0.068	< 0.049	**26 J**	**0.17 J**
Dibenzofuran	< 0.019	< 0.014	< 0.017	**0.21 J**	**0.64 J**	< 0.033	< 0.018	< 0.022	< 0.03	< 0.061	**0.86 J**	**97**	**0.42 J**
Diethyl phthalate	< 0.055	< 0.041	< 0.05	< 0.047	< 0.1	< 0.096	< 0.051	< 0.063	< 0.086	< 0.18	< 0.13	< 1.1	< 0.055
Dimethyl phthalate	< 0.048	< 0.035	< 0.043	< 0.04	< 0.09	< 0.083	< 0.044	< 0.055	< 0.074	< 0.15	< 0.11	< 0.92	< 0.047
Di-n-butylphthalate	< 0.63	< 0.46	< 0.57	< 0.53	< 1.2	< 1.1	< 0.58	< 0.72	< 0.99	< 2	< 1.5	< 12	< 0.63
Di-n-octyl phthalate	< 0.043	< 0.031	< 0.039	< 0.036	< 0.08	< 0.075	< 0.039	< 0.049	< 0.067	< 0.14	< 0.1	< 0.83	< 0.042
Hexachlorobenzene	< 0.091	< 0.067	< 0.082	< 0.077	< 0.17	< 0.16	< 0.084	< 0.1	< 0.14	< 0.29	< 0.21	< 1.8	< 0.09
Hexachlorobutadiene	< 0.094	< 0.069	< 0.085	< 0.079	< 0.18	< 0.16	< 0.086	< 0.11	< 0.15	< 0.3	< 0.22	< 1.8	< 0.093
Hexachlorocyclopentadiene	< 0.55	< 0.41	< 0.5	< 0.47	< 1	< 0.96	< 0.51	< 0.63	< 0.86	< 1.8	< 1.3	< 11	< 0.55
Hexachloroethane	< 0.14	< 0.1	< 0.13	< 0.12	< 0.27	< 0.25	< 0.13	< 0.16	< 0.22	< 0.46	< 0.33	< 2.7	< 0.14
Isophorone	< 0.092	< 0.067	< 0.083	< 0.077	< 0.17	< 0.16	< 0.084	< 0.1	< 0.14	< 0.29	< 0.21	< 1.8	< 0.091
Nitrobenzene	< 0.081	< 0.06	< 0.073	< 0.068	< 0.15	< 0.14	< 0.075	< 0.093	< 0.13	< 0.26	< 0.19	< 1.6	< 0.08
N-Nitrosodi-n-propylamine	< 0.15	< 0.11	< 0.13	< 0.12	< 0.27	< 0.25	< 0.13	< 0.17	< 0.23	< 0.47	< 0.34	< 2.8	< 0.14
N-Nitrosodiphenylamine	< 0.1	< 0.073	< 0.09	< 0.084	< 0.19	< 0.17	< 0.092	< 0.11	< 0.16	< 0.32	< 0.23	< 1.9	< 0.099
Pentachlorophenol	< 0.63	< 0.46	< 0.57	< 0.53	< 1.2	< 1.1	< 0.58	< 0.72	< 0.98	< 2	< 1.5	< 12	< 0.62
Phenol	< 0.19	< 0.14	< 0.17	< 0.16	< 0.36	< 0.34	< 0.18	< 0.22	< 0.3	< 0.62	< 0.45	< 3.7	< 0.19

Notes and Abbreviations:
1. <: Result is less than indicated reporting limit.
   J: Estimated result.
   R: Rejected result.
   UJ: Non-detect, reporting limit is estimated.
2. Results in bold are detected.

TABLE 3-11
SUMMARY OF SEDIMENT ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location	SE-09-42B	SE-09-43B	SE-09-46	SE-09-47	SE-09-48	SE-09-52	SE-09-END2
Sample Depth	0 - 0.3 ft	0 - 0.3 ft	0 - 0.3 ft	0 - 0.3 ft	0 - 0.2 ft	0 - 0.5 ft	0 - 0.5 ft
Sample Date	8/18/2009	8/18/2009	8/18/2009	8/18/2009	8/18/2009	8/19/2009	8/14/2009
Sample Type	N	N	N	N	N	N	N
Sample Name	SE-09-42B (0-0.3)	SE-09-43B (0-0.3)	SE-09-46 (0-0.3)	SE-09-47 (0-0.3)	SE-09-48 (0-0.2)	SE-09-52 (0-0.5)	SE-09-END2 (0-0.5)
Grain Size (%)							
Clay	-	-	-	-	-	-	-
Coarse Sand	-	-	-	-	-	-	-
Fine Sand	-	-	-	-	-	-	-
Gravel	-	-	-	-	-	-	-
Medium Sand	-	-	-	-	-	-	-
Silt	-	-	-	-	-	-	-
OTHER (mg/kg)							
Total Organic Carbon	**38100**	**83900**	**142000**	**34900**	**22800**	**37900**	**25600 J**
PAHs (mg/kg)							
2-Methyl naphthalene	< 0.048	**1 J**	< 0.055	< 0.034	< 0.055	< 0.031	< 0.034
Acenaphthene	**0.48 J**	**23**	< 0.053	< 0.033	**0.39 J**	**0.22 J**	< 0.033
Acenaphthylene	< 0.032	**5.9 J**	< 0.037	< 0.023	< 0.037	**0.13 J**	< 0.023
Anthracene	**0.17 J**	**31**	**0.23 J**	**0.16 J**	**0.56 J**	**0.35 J**	< 0.072
Benzo(a)anthracene	**0.31 J**	**46**	**0.73 J**	**0.54 J**	**1.6 J**	**1.1 J**	**0.78 J**
Benzo(a)pyrene	**0.2 J**	**34**	**0.53 J**	**0.4 J**	**1.3 J**	**0.89 J**	**0.54 J**
Benzo(b)fluoranthene	**0.31 J**	**34**	**0.94 J**	**0.62 J**	**1.4 J**	**1.3 J**	**0.88 J**
Benzo(g,h,i)perylene	< 0.048	**16 J**	**0.27 J**	**0.24 J**	**0.83 J**	**0.49 J**	< 0.034
Benzo(k)fluoranthene	< 0.044	**11 J**	< 0.05	< 0.031	**0.76 J**	< 0.028	< 0.031
Chrysene	**0.2 J**	**30**	**0.63 J**	**0.37 J**	**1.4 J**	**0.98 J**	**0.58 J**
Dibenzo(a,h)anthracene	< 0.047	**5.4 J**	< 0.053	< 0.033	**0.37 J**	**0.22 J**	< 0.033
Fluoranthene	**0.64 J**	**98**	**1.4 J**	**0.94 J**	**2.7 J**	**1.9 J**	**1.1 J**
Fluorene	**0.29 J**	**25**	< 0.1	< 0.064	**0.23 J**	**0.12 J**	< 0.065
Indeno(1,2,3-cd)pyrene	< 0.11	**13 J**	< 0.13	< 0.077	**0.77 J**	**0.47 J**	**0.27 J**
Naphthalene	**0.32 J**	**3.4 J**	< 0.075	< 0.046	**0.66 J**	**0.13 J**	< 0.047
Phenanthrene	**0.67 J**	**92**	**1.1 J**	**0.55 J**	**1.5 J**	**0.65 J**	**0.34 J**
Pyrene	**0.47 J**	**71**	**1 J**	**0.72 J**	**2.2 J**	**1.6 J**	**1 J**
Total PAHs	**4.06**	**539.7**	**6.83**	**4.54**	**16.67**	**10.55**	**5.49**
SVOCs (mg/kg)							
2,2'-Oxybis(1-Chloropropane)	< 0.41	< 1.1	< 0.47	< 0.29	< 0.48	< 0.26	< 0.29
2,4,5-Trichlorophenol	< 0.87	< 2.4	< 0.99	< 0.6	< 0.99	< 0.55	< 0.61
2,4,6-Trichlorophenol	< 0.26	< 0.72	< 0.3	< 0.18	< 0.3	< 0.17	< 0.19
2,4-Dichlorophenol	< 0.21	< 0.57	< 0.24	< 0.15	< 0.24	< 0.13	< 0.15
2,4-Dimethylphenol	< 1.1	< 2.9	< 1.2	< 0.75	< 1.2	< 0.68	< 0.76
2,4-Dinitrophenol	< 1.4	< 3.8	< 1.6	< 0.97	< 1.6	< 0.88	< 0.98
2,4-Dinitrotoluene	< 0.61	< 1.7	< 0.7	< 0.43	< 0.71	< 0.39	< 0.44 UJ
2,6-Dinitrotoluene	< 0.97	< 2.7	< 1.1	< 0.68	< 1.1	< 0.62	< 0.69
2-Chloronaphthalene	< 0.27	< 0.73	< 0.3	< 0.19	< 0.31	< 0.17	< 0.19
2-Chlorophenol	< 0.2	< 0.55	< 0.23	< 0.14	< 0.23	< 0.13	< 0.14
2-Methylphenol	< 0.12	< 0.33	< 0.14	< 0.085	< 0.14	< 0.078	< 0.087
2-Nitroaniline	< 1.3	< 3.5	< 1.5	< 0.89	< 1.5	< 0.81	< 0.9 UJ
2-Nitrophenol	< 0.18	< 0.5	< 0.21	< 0.13	< 0.21	< 0.12	< 0.13
3,3-Dichlorobenzidine	< 3.5	< 9.5	< 4	< 2.4	< 4	< 2.2	< 2.5
3-Nitroaniline	< 0.91	< 2.5	< 1	< 0.64	< 1	< 0.58	< 0.65
4,6-Dinitro-2-methylphenol	< 1.4	< 3.7	< 1.6	< 0.96	< 1.6	< 0.87	< 0.97
4-Bromophenyl phenyl ether	< 1.3	< 3.4	< 1.4	< 0.88	< 1.4	< 0.8	< 0.9
4-Chloro-3-methylphenol	< 0.16	< 0.45	< 0.19	< 0.11	< 0.19	< 0.1	< 0.12
4-Chloroaniline	< 1.2	< 3.2	< 1.3	< 0.81	< 1.3	< 0.74	< 0.83
4-Chlorophenyl phenyl ether	< 0.085	< 0.23	< 0.096	< 0.059	< 0.097	< 0.054	< 0.06
4-Methylphenol	< 0.22	< 0.6	< 0.25	< 0.15	< 0.25	< 0.14	< 0.16
4-Nitroaniline	< 0.44	< 1.2	< 0.51	< 0.31	< 0.51	< 0.28	< 0.31
4-Nitrophenol	< 0.96	< 2.6	< 1.1	< 0.67	< 1.1	< 0.61	< 0.68 UJ

TABLE 3-11
SUMMARY OF SEDIMENT ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location	SE-09-42B	SE-09-43B	SE-09-46	SE-09-47	SE-09-48	SE-09-52	SE-09-END2
Sample Depth	0 - 0.3 ft	0 - 0.3 ft	0 - 0.3 ft	0 - 0.3 ft	0 - 0.2 ft	0 - 0.5 ft	0 - 0.5 ft
Sample Date	8/18/2009	8/18/2009	8/18/2009	8/18/2009	8/18/2009	8/19/2009	8/14/2009
Sample Type	N	N	N	N	N	N	N
Sample Name	SE-09-42B (0-0.3)	SE-09-43B (0-0.3)	SE-09-46 (0-0.3)	SE-09-47 (0-0.3)	SE-09-48 (0-0.2)	SE-09-52 (0-0.5)	SE-09-END2 (0-0.5)
SVOCs (mg/kg, continued)							
Acetophenone	< 0.2	< 0.56	< 0.23	< 0.14	< 0.23	< 0.13	< 0.14
Atrazine	< 0.18	< 0.48	< 0.2	< 0.12	< 0.2	< 0.11	< 0.13
Benzaldehyde	< 0.44	< 1.2	< 0.5	< 0.3	< 0.5	< 0.28	< 0.31
Biphenyl	< 0.25	**1.8 J**	< 0.28	< 0.17	< 0.28	< 0.16	< 0.18
bis(2-Chloroethoxy)methane	< 0.22	< 0.59	< 0.25	< 0.15	< 0.25	< 0.14	< 0.15
bis(2-Chloroethyl)ether	< 0.34	< 0.94	< 0.39	< 0.24	< 0.39	< 0.22	< 0.24
bis(2-Ethylhexyl)phthalate	**2.1 J**	< 3.5	< 1.5	< 0.89	< 1.5	**1 J**	< 0.91
Butyl benzylphthalate	< 1.1	< 2.9	< 1.2	< 0.74	< 1.2	< 0.68	< 0.76
Caprolactam	< 1.7	< 4.7	< 2	< 1.2	< 2	< 1.1	< 1.2
Carbazole	**0.24 J**	**1 J**	< 0.052	< 0.032	**0.26 J**	< 0.029	< 0.033
Dibenzofuran	**0.28 J**	**15 J**	< 0.047	< 0.029	< 0.047	< 0.026	< 0.029
Diethyl phthalate	< 0.12	< 0.33	< 0.14	< 0.084	< 0.14	< 0.076	< 0.085
Dimethyl phthalate	< 0.1	< 0.28	< 0.12	< 0.072	< 0.12	< 0.066	< 0.073
Di-n-butylphthalate	< 1.4	< 3.7	< 1.6	< 0.96	< 1.6	< 0.87	< 0.97
Di-n-octyl phthalate	< 0.093	< 0.25	< 0.11	< 0.065	< 0.11	< 0.059	< 0.066
Hexachlorobenzene	< 0.2	< 0.54	< 0.22	< 0.14	< 0.23	< 0.13	< 0.14
Hexachlorobutadiene	< 0.2	< 0.55	< 0.23	< 0.14	< 0.23	< 0.13	< 0.14
Hexachlorocyclopentadiene	< 1.2	< 3.3	< 1.4	< 0.84	< 1.4	< 0.76	< 0.85
Hexachloroethane	< 0.31	< 0.84	< 0.35	< 0.21	< 0.35	< 0.2	< 0.22
Isophorone	< 0.2	< 0.54	< 0.23	< 0.14	< 0.23	< 0.13	< 0.14
Nitrobenzene	< 0.18	< 0.48	< 0.2	< 0.12	< 0.2	< 0.11	< 0.12 UJ
N-Nitrosodi-n-propylamine	< 0.31	< 0.86	< 0.36	< 0.22	< 0.36	< 0.2	< 0.22
N-Nitrosodiphenylamine	< 0.22	< 0.59	< 0.25	< 0.15	< 0.25	< 0.14	< 0.15
Pentachlorophenol	< 1.4	< 3.7	< 1.6	< 0.95	< 1.6	< 0.87	< 0.97
Phenol	< 0.42	< 1.1	< 0.48	< 0.29	< 0.48	< 0.27	< 0.3

Notes and Abbreviations:
1. <: Result is less than indicated reporting limit.
   J: Estimated result.
   R: Rejected result.
   UJ: Non-detect, reporting limit is estimated.
2. Results in bold are detected.

TABLE 3-12
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location **Sample Date** **Sample Type** **Sample Name**	NYSDEC TOGS 1.1.1 Class GA Water Quality Standards (ug/L)[3]	MW-07-02 12/11/2007 MW-07-02-121107	MW-07-02 5/14/2008 MW-07-02-051408	MW-07-02 8/19/2009 MW0702-081909-1945	MW-07-03 12/11/2007 MW-07-03-121107	MW-07-03 12/11/2007 Duplicate DUP-MW-07-12-11	MW-07-03 5/13/2008 MW-07-03-051308-1300	MW-07-03 5/13/2008 Duplicate MW-07-03-051308DUP	MW-07-03 8/19/2009 MW0703-081909-1423	MW-07-04 12/11/2007 MW-07-04-121107	MW-07-04 5/14/2008 MW-07-04-051408
Cyanide (ug/L)											
Cyanide (total)	200	**650 J**	**490 J**	**410**	**130 J**	**170 J**	**190 J**	**200 J**	**109**	**180 J**	**180 J**
Metals (ug/L)											
Aluminum	-	**274**	**281**	**2380**	< 100	**168**	**156**	**128**	**54 J**	< 100	**980**
Antimony	3	*< 60*	*< 60*	*< 5.5*	*< 60*	*< 60*	*< 60*	*< 60*	*< 5.5*	*< 60*	*< 60*
Arsenic	25	< 10	< 10	< 5.6	< 10	< 10	< 10	< 10	< 5.6	< 10	**19.1**
Barium	1000	**50**	**47.3**	**101**	**90.6**	**91.9**	**67.6**	**67.9**	**87.7**	**100**	**103**
Beryllium	3	*< 5*	*< 5*	< 0.2	*< 5*	*< 5*	*< 5*	*< 5*	< 0.2	*< 5*	*< 5*
Cadmium	5	< 5	< 5	< 0.3	< 5	< 5	< 5	< 5	< 0.3	< 5	< 5
Calcium	-	**139000**	**139000**	**149000 J**	**120000**	**122000**	**134000**	**136000**	**150000 J**	**118000**	**125000**
Chromium	50	< 10	< 10	**5.1**	< 10	< 10	< 10	< 10	< 0.9	< 10	< 10
Cobalt	-	< 50	< 50	**2.4 J**	< 50	< 50	< 50	< 50	**0.5 J**	< 50	< 50
Copper	200	< 20	< 20	**4 J**	< 20	< 20	< 20	< 20	**2.4 J**	< 20	< 20
Iron	300	**535**	**543**	**4090**	**102**	< 100	**232**	**204**	**114**	**231**	**4790**
Lead	25	< 3	< 3	< 2.9	< 3	< 3	< 3	< 3	< 2.9	< 3	< 3
Magnesium	35000	**23600**	**25600**	**33300**	**56400**	**57200**	**32800**	**33500**	**40700**	**100000**	**107000**
Manganese	300	**486**	**483**	**602**	**115**	**112**	**410**	**422**	**315**	**273**	**342**
Mercury	0.7	< 0.3	< 0.3	< 0.1	< 0.3	< 0.3	< 0.3	< 0.3	< 0.1	< 0.3	< 0.3
Nickel	100	< 40	< 40	**4.3 J**	< 40	< 40	< 40	< 40	**1.7 J**	< 40	< 40
Potassium	-	< 5000	< 5000	**4640**	**9570**	**9770**	< 5000	< 5000	**3150**	**11300**	**10700**
Selenium	10	< 6.1	< 6.1	< 8.7	**69.2**	**69.7**	< 6.1	< 6.1	< 8.7	< 6.1	< 6.1
Silver	50	< 10	< 10	< 1.2	< 10	< 10	< 10	< 10	< 1.2	< 10	< 10
Sodium	20000	**26500**	**36100**	**26000 J**	**53100**	**53000**	**78500**	**79400**	**59800 J**	**29400**	**30900**
Thallium	0.5	*< 10*	*< 10*	*< 7.7*	*< 10*	*< 10*	*< 10*	*< 10*	*< 7.7*	*< 10*	*< 10*
Vanadium	-	< 50	< 50	**6.9**	< 50	< 50	< 50	< 50	**1.9 J**	< 50	< 50
Zinc	2000	< 20	< 20	**10**	< 20	< 20	< 20	< 20	**1.8 J**	< 20	< 20
Semi-Volatile Organic Compounds (ug/L)											
2,2'-Oxybis(1-Chloropropane)	-	-	-	< 4	-	-	-	-	< 3.8	-	-
2,2-oxybis(1-Chloropropane)	-	< 9	< 10	-	< 9	< 10	< 10	< 10	-	< 9	< 10
2,4,5-Trichlorophenol	-	< 9	< 10	< 0.98	< 9	< 10	< 10	< 10	< 0.93	< 9	< 10
2,4,6-Trichlorophenol	-	< 9	< 10	< 0.98	< 9	< 10	< 10	< 10	< 0.94	< 9	< 10
2,4-Dichlorophenol	5	*< 9*	*< 10*	< 0.78	*< 9*	*< 10*	*< 10*	*< 10*	< 0.74	*< 9*	*< 10*
2,4-Dimethylphenol	50	< 9	< 10	< 0.95	< 9	< 10	< 10	< 10	< 0.91	< 9	**2 J**
2,4-Dinitrophenol	10	*< 47 UJ*	*< 50 UJ*	< 2.2 UJ	*< 47 UJ*	*< 48 UJ*	*< 48 UJ*	*< 48 UJ*	< 2.1 UJ	*< 47 UJ*	*< 49 UJ*
2,4-Dinitrotoluene	5	*< 9*	*< 10*	< 0.44	*< 9*	*< 10*	*< 10*	*< 10*	< 0.42	*< 9*	*< 10*
2,6-Dinitrotoluene	5	*< 9*	*< 10*	< 0.5	*< 9*	*< 10*	*< 10*	*< 10*	< 0.48	*< 9*	*< 10*
2-Chloronaphthalene	10	< 9	< 10	< 0.083	< 9	< 10	< 10	< 10	< 0.079	< 9	< 10
2-Chlorophenol	-	< 9	< 10	< 0.5	< 9	< 10	< 10	< 10	< 0.48	< 9	< 10
2-Methyl naphthalene	-	< 9	**4 J**	< 0.081	< 9	< 10	< 10	< 10	< 0.077	< 9	< 10
2-Methylphenol	-	< 9	< 10	< 0.23	< 9	< 10	< 10	< 10	< 0.22	< 9	< 10
2-Nitroaniline	5	*< 47*	*< 50*	< 0.49	*< 47*	*< 48*	*< 48*	*< 48*	< 0.47	*< 47*	*< 49*
2-Nitrophenol	-	< 9	< 10	< 0.6	< 9	< 10	< 10	< 10	< 0.57	< 9	< 10
3,3-Dichlorobenzidine	5	*< 9*	*< 10*	< 0.37	*< 9*	*< 10*	*< 10*	*< 10*	< 0.35	*< 9*	*< 10*
3-Nitroaniline	5	*< 47*	*< 50*	< 1.5	*< 47*	*< 48*	*< 48*	*< 48*	< 1.5	*< 47*	*< 49*
4,6-Dinitro-2-methylphenol	-	< 47	< 50	< 2.2	< 47	< 48	< 48	< 48	< 2.1	< 47	< 49
4-Bromophenyl phenyl ether	-	< 9	< 10	< 0.89	< 9	< 10	< 10	< 10	< 0.85	< 9	< 10
4-Chloro-3-methylphenol	-	< 9	< 10	< 0.59	< 9	< 10	< 10	< 10	< 0.56	< 9	< 10
4-Chloroaniline	5	*< 9*	*< 10*	< 0.33	*< 9*	*< 10*	*< 10*	*< 10*	< 0.31	*< 9*	*< 10*
4-Chlorophenyl phenyl ether	-	< 9	< 10	< 0.17	< 9	< 10	< 10	< 10	< 0.16	< 9	< 10
4-Methylphenol	-	< 9	< 10	< 0.57	< 9	< 10	< 10	< 10	< 0.55	< 9	< 10
4-Nitroaniline	5	*< 47*	*< 50*	< 0.45	*< 47*	*< 48*	*< 48*	*< 48*	< 0.43	*< 47*	*< 49*
4-Nitrophenol	-	< 47	< 50	< 1.5	< 47	< 48	< 48	< 48	< 1.4	< 47	< 49
Acenaphthene	20	< 9	**0.4 J**	< 0.11	< 9	< 10	**1 J**	< 10	< 0.11	< 9	< 10
Acenaphthylene	-	< 9	**2 J**	< 0.047	< 9	< 10	**1 J**	< 10	< 0.044	< 9	< 10

TABLE 3-12
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location **Sample Date** **Sample Type** **Sample Name**	NYSDEC TOGS 1.1.1 Class GA Water Quality Standards (ug/L)[3]	MW-07-02 12/11/2007 MW-07-02-121107	MW-07-02 5/14/2008 MW-07-02-051408	MW-07-02 8/19/2009 MW0702-081909-1945	MW-07-03 12/11/2007 MW-07-03-121107	MW-07-03 12/11/2007 Duplicate DUP-MW-07-12-11	MW-07-03 5/13/2008 MW-07-03-051308-1300	MW-07-03 5/13/2008 Duplicate MW-07-03-051308DUP	MW-07-03 8/19/2009 MW0703-081909-1423	MW-07-04 12/11/2007 MW-07-04-121107	MW-07-04 5/14/2008 MW-07-04-051408
Semi-Volatile Organic Compounds (ug/L, continued)											
Acetophenone	-	< 9	< 10	< 1	< 9	< 10	< 10	< 10	< 0.96	< 9	< 10
Anthracene	50	< 9	< 10	< 0.055	< 9	**0.2 J**	**0.5 J**	< 10	< 0.053	< 9	< 10
Atrazine	7.5	*< 9*	*< 10*	< 1.1	*< 9*	*< 10*	*< 10*	*< 10*	< 1	*< 9*	*< 10*
Benzaldehyde	-	< 9	< 10	< 0.26	< 9	< 10	< 10	< 10	< 0.25	< 9	< 10
Benzo(a)anthracene	0.002	*< 9*	*< 10*	*< 0.063*	*< 9*	*< 10*	*< 10*	*< 10*	*< 0.06*	*< 9*	*< 10*
Benzo(a)pyrene	-	< 9	< 10	< 0.09	< 9	< 10	< 10	< 10	< 0.086	< 9	< 10
Benzo(b)fluoranthene	0.002	*< 9*	*< 10*	*< 0.062*	*< 9*	*< 10*	*< 10*	*< 10*	*< 0.059*	*< 9*	*< 10*
Benzo(g,h,i)perylene	-	< 9	< 10	< 0.077	< 9	< 10	< 10	< 10	< 0.074	< 9	< 10
Benzo(k)fluoranthene	0.002	*< 9*	*< 10*	*< 0.065*	*< 9*	*< 10*	*< 10*	*< 10*	*< 0.062*	*< 9*	*< 10*
Biphenyl	5	*< 9*	**0.4 J**	< 0.65	*< 9*	*< 10*	*< 10*	*< 10*	< 0.62	*< 9*	*< 10*
bis(2-Chloroethoxy)methane	5	*< 9*	*< 10*	< 0.37	*< 9*	*< 10*	*< 10*	*< 10*	< 0.35	*< 9*	*< 10*
bis(2-Chloroethyl)ether	1	*< 9*	*< 10*	< 0.18	*< 9*	*< 10*	*< 10*	*< 10*	< 0.17	*< 9*	*< 10*
bis(2-Ethylhexyl)phthalate	5	*< 9*	*< 10*	< 4.7	*< 9*	*< 10*	*< 10*	*< 10*	< 4.5	*< 9*	*< 10*
Butyl benzylphthalate	50	< 9	< 10	< 1.7	< 9	< 10	< 10	< 10	< 1.6	< 9	< 10
Caprolactam	-	< 47	< 50	< 4.5	< 47	< 48	< 48	< 48	< 4.3	< 47	< 49
Carbazole	-	< 9	**0.7 J**	< 0.088	< 9	< 10	**2 J**	< 10	< 0.084	< 9	< 10
Chrysene	0.002	*< 9*	*< 10*	*< 0.27*	*< 9*	*< 10*	*< 10*	*< 10*	*< 0.26*	*< 9*	*< 10*
Dibenzo(a,h)anthracene	-	< 9	< 10	< 0.2	< 9	< 10	< 10	< 10	< 0.19	< 9	< 10
Dibenzofuran	-	< 9	**0.6 J**	< 1.6	< 9	< 10	**2 J**	**0.4 J**	< 1.5	< 9	< 10
Diethyl phthalate	50	< 9	< 10	< 0.11	< 9	< 10	< 10	< 10	< 0.1	< 9	< 10
Dimethyl phthalate	50	< 9	< 10	< 0.3	< 9	< 10	< 10	< 10	< 0.28	< 9	< 10
Di-n-butylphthalate	50	< 9	< 10	< 0.3	< 9	**0.4 J**	< 10	< 10	< 0.28	**0.3 J**	< 10
Di-n-octyl phthalate	50	< 9	< 10	< 0.24	**0.6 J**	< 10	< 10	< 10	< 0.23	< 9	< 10
Fluoranthene	50	< 9	< 10	< 0.097	< 9	< 10	**0.3 J**	< 10	< 0.092	< 9	< 10
Fluorene	50	< 9	**0.6 J**	< 0.073	< 9	< 10	**1 J**	< 10	< 0.07	< 9	< 10
Hexachlorobenzene	0.04	*< 9*	*< 10*	*< 0.44*	*< 9*	*< 10*	*< 10*	*< 10*	*< 0.42*	*< 9*	*< 10*
Hexachlorobutadiene	0.5	*< 9*	*< 10*	*< 2.6*	*< 9*	*< 10*	*< 10*	*< 10*	*< 2.4*	*< 9*	*< 10*
Hexachlorocyclopentadiene	5	*< 9 UJ*	*< 10*	< 2.5	*< 9 UJ*	*< 10 UJ*	*< 10*	*< 10*	< 2.4	*< 9 UJ*	*< 10*
Hexachloroethane	5	*< 9*	*< 10*	< 2.8	*< 9*	*< 10*	*< 10*	*< 10*	< 2.7	*< 9*	*< 10*
Indeno(1,2,3-cd)pyrene	0.002	*< 9*	*< 10*	*< 0.15*	*< 9*	*< 10*	*< 10*	*< 10*	*< 0.14*	*< 9*	*< 10*
Isophorone	50	< 9	< 10	< 0.32	< 9	< 10	< 10	< 10	< 0.3	< 9	< 10
Naphthalene	10	< 9	**40**	< 0.11	< 9	< 10	< 10	< 10	< 0.11	< 9	< 10
Nitrobenzene	0.4	*< 9*	*< 10*	*< 0.53*	*< 9*	*< 10*	*< 10*	*< 10*	*< 0.51*	*< 9*	*< 10*
N-Nitrosodi-n-propylamine	-	< 9	< 10	< 0.45	< 9	< 10	< 10	< 10	< 0.43	< 9	< 10
N-Nitrosodiphenylamine	50	< 9	< 10	< 0.26	< 9	< 10	< 10	< 10	< 0.25	< 9	< 10
Pentachlorophenol	1	*< 47*	*< 50 UJ*	*< 5.1*	*< 47*	*< 48*	*< 48 UJ*	*< 48 UJ*	*< 4.8*	*< 47*	*< 49 UJ*
Phenanthrene	50	< 9	< 10	< 0.11	< 9	< 10	< 10	< 10	< 0.11	< 9	< 10
Phenol	1	*< 9*	*< 10*	< 0.44	*< 9*	*< 10*	*< 10*	*< 10*	< 0.42	*< 9*	*< 10*
Pyrene	50	< 9	< 10	< 0.067	< 9	< 10	< 10	< 10	< 0.064	< 9	< 10
Volatile Organic Compounds (ug/L)											
1,1,1-Trichloroethane	5	< 5	< 5	< 0.26	< 5	< 5	< 5	< 5	< 0.26	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 0.21	< 5	< 5	< 5	< 5	< 0.21	< 5	< 5
1,1,2-Trichloroethane	1	*< 5*	*< 5*	< 0.23	*< 5*	*< 5*	*< 5*	*< 5*	< 0.23	*< 5*	*< 5*
1,1-Dichloroethane	5	< 5	< 5	< 0.38	< 5	< 5	< 5	< 5	< 0.38	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 0.29	< 5	< 5	< 5	< 5	< 0.29	< 5	< 5
1,2,4-Trichlorobenzene	-	< 5	< 5	< 0.41	< 5	< 5	< 5	< 5	< 0.41	< 5	< 5
1,2-Dibromo-3-chloropropane (DBCP)	0.04	*< 5 UJ*	*< 5 UJ*	*< 0.39*	*< 5 UJ*	*< 5 UJ*	*< 5 UJ*	*< 5 UJ*	*< 0.39*	*< 5 UJ*	*< 5 UJ*
1,2-Dibromoethane	-	< 5	< 5	< 0.17	< 5	< 5	< 5	< 5	< 0.17	< 5	< 5
1,2-Dichlorobenzene	3	*< 5*	*< 5*	< 0.2	*< 5*	*< 5*	*< 5*	*< 5*	< 0.2	*< 5*	*< 5*
1,2-Dichloroethane	0.6	*< 5*	*< 5*	< 0.21	*< 5*	*< 5*	*< 5*	*< 5*	< 0.21	*< 5*	*< 5*
1,2-Dichloroethene, Total	-	-	-	< 0.7 UJ	-	-	-	-	< 0.7 UJ	-	-
1,2-Dichloropropane	1	*< 5*	*< 5*	< 0.32	*< 5*	*< 5*	*< 5*	*< 5*	< 0.32	*< 5*	*< 5*
1,3-Dichlorobenzene	3	*< 5*	*< 5*	< 0.36	*< 5*	*< 5*	*< 5*	*< 5*	< 0.36	*< 5*	*< 5*

TABLE 3-12
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location	NYSDEC TOGS 1.1.1	MW-07-02	MW-07-02	MW-07-02	MW-07-03	MW-07-03	MW-07-03	MW-07-03	MW-07-03	MW-07-04	MW-07-04
Sample Date	Class GA Water	12/11/2007	5/14/2008	8/19/2009	12/11/2007	12/11/2007	5/13/2008	5/13/2008	8/19/2009	12/11/2007	5/14/2008
Sample Type	Quality Standards					Duplicate		Duplicate			
Sample Name	(ug/L)[3]	MW-07-02-121107	MW-07-02-051408	MW0702-081909-1945	MW-07-03-121107	DUP-MW-07-12-11	MW-07-03-051308-1300	MW-07-03-051308DUP	MW0703-081909-1423	MW-07-04-121107	MW-07-04-051408
Volatile Organic Compounds (ug/L, continued)											
1,4-Dichlorobenzene	3	*< 5*	*< 5*	< 0.39	*< 5*	*< 5*	*< 5*	*< 5*	< 0.39	*< 5*	*< 5*
2-Butanone	-	< 10	< 10	< 1.3	< 10	< 10	< 10	< 10	< 1.3	< 10	< 10
2-Hexanone	50	< 10 UJ	< 10	< 1.2	< 10 UJ	< 10 UJ	< 10	< 10	< 1.2	< 10 UJ	< 10
4-Methyl-2-pentanone	-	< 10 UJ	< 10	< 0.91	< 10 UJ	< 10 UJ	< 10	< 10	< 0.91	< 10 UJ	< 10
Acetone	50	< 20	**3.1 J**	< 1.3	< 20	< 20	< 20	< 20	< 1.3	< 20	< 20
Benzene	1	*< 5*	*< 5*	< 0.41	*< 5*	**0.82 J**	**1.3 J**	**1.3 J**	< 0.41	**1.9 J**	**6.6**
Bromodichloromethane	50	< 5	< 5	< 0.39	< 5	< 5	< 5	< 5	< 0.39	< 5	< 5
Bromoform	50	< 5 UJ	< 5 UJ	< 0.26	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 0.26	< 5 UJ	< 5 UJ
Bromomethane	5	< 5	< 5	< 0.28	< 5	< 5	< 5	< 5	< 0.28	< 5	< 5
Carbon disulfide	-	< 10	< 10 UJ	< 0.19	< 10	< 10	< 10 UJ	< 10 UJ	< 0.19	< 10	< 10 UJ
Carbon tetrachloride	5	< 5	< 5	< 0.27	< 5	< 5	< 5	< 5	< 0.27	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 0.32	< 5	< 5	< 5	< 5	< 0.32	< 5	< 5
Chloroethane	5	< 5	< 5 UJ	< 0.32	< 5	< 5	< 5 UJ	< 5 UJ	< 0.32	< 5	< 5 UJ
Chloroform	7	< 5	< 5	< 0.34	< 5	< 5	< 5	< 5	< 0.34	< 5	< 5
Chloromethane	-	< 5	< 5	< 0.35	< 5	< 5	< 5	< 5	< 0.35	< 5	< 5
cis-1,2-Dichloroethene	5	< 5	< 5	< 0.38	< 5	< 5	< 5	< 5	< 0.38	< 5	< 5
cis-1,3-Dichloropropene	0.4	*< 5*	*< 5*	< 0.36	*< 5*	*< 5*	*< 5*	*< 5*	< 0.36	*< 5*	*< 5*
Cyclohexane	-	< 10	< 10	< 0.53	< 10	< 10	< 10	< 10	< 0.53	< 10	< 10
Dibromochloromethane	50	< 5	< 5	< 0.32	< 5	< 5	< 5	< 5	< 0.32	< 5	< 5
Dichlorodifluoromethane (CFC-12)	5	< 5	< 5 UJ	< 0.29 UJ	< 5	< 5	< 5 UJ	< 5 UJ	< 0.29 UJ	< 5	< 5 UJ
Ethylbenzene	5	< 5	< 5	< 0.18	< 5	< 5	< 5	< 5	< 0.18	< 5	< 5
Isopropylbenzene	5	< 5	< 5	< 0.19	< 5	< 5	< 5	< 5	< 0.19	< 5	< 5
Methyl acetate	-	< 10	< 10	< 0.5 UJ	< 10	< 10	< 10	< 10	< 0.5 UJ	< 10	< 10
Methyl cyclohexane	-	< 10	< 10	< 0.5	< 10	< 10	< 10	< 10	< 0.5	< 10	< 10
Methyl tert butyl ether (MTBE)	-	< 5	< 5	< 0.16	< 5	< 5	< 5	< 5	< 0.16	< 5	< 5
Methylene chloride	5	< 5 UJ	< 5 UJ	< 0.44	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 0.44	< 5 UJ	< 5 UJ
Styrene	5	< 5	< 5	< 0.18	< 5	< 5	< 5	< 5	< 0.18	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 0.36	< 5	< 5	< 5	< 5	< 0.36	< 5	< 5
Toluene	5	< 5	< 5	< 0.51	< 5	< 5	< 5	< 5	< 0.51	< 5	< 5
trans-1,2-Dichloroethene	5	< 5	< 5	< 0.42	< 5	< 5	< 5	< 5	< 0.42	< 5	< 5
trans-1,3-Dichloropropene	0.4	*< 5*	*< 5*	< 0.37	*< 5*	*< 5*	*< 5*	*< 5*	< 0.37	*< 5*	*< 5*
Trichloroethene	5	< 5	< 5	< 0.46	< 5	< 5	< 5	< 5	< 0.46	< 5	< 5
Trichlorofluoromethane (CFC-11)	5	< 5	< 5 UJ	< 0.15	< 5	< 5	< 5 UJ	< 5 UJ	< 0.15	< 5	< 5 UJ
Trifluorotrichloroethane (Freon 113)	-	< 5	< 5	< 0.31	< 5	< 5	< 5	< 5	< 0.31	< 5	< 5
Vinyl acetate	-	-	-	< 0.85 UJ	-	-	-	-	< 0.85 UJ	-	-
Vinyl chloride	2	*< 5*	*< 5*	< 0.24	*< 5*	*< 5*	*< 5*	*< 5*	< 0.24	*< 5*	*< 5*
Xylenes (total)	5	< 3	< 3	< 0.66	< 3	< 3	< 3	< 3	< 0.66	< 3	< 3

Notes and Abbreviations:
1. <: Result is less than indicated reporting limit.
2. J: Estimated result.
   R: Rejected result.
   UJ: Non-detect, reporting limit is estimated.
3. Blue shading indicates exceedance of TOGS Water Quality Standards.
4. *Gray* shading indicates reporting limit exceedance of TOGS Water Quality Standards.
5. Results in bold are detected.
6. -: Not analyzed or not available.

TABLE 3-12
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location	NYSDEC TOGS 1.1.1	MW-07-04	MW-07-04	MW-07-05	MW-07-05	MW-07-05	MW-07-06	MW-07-06	MW-07-06	MW-08-01	MW-08-02
Sample Date	Class GA Water	8/19/2009	8/19/2009	12/11/2007	5/13/2008	8/19/2009	12/11/2007	5/13/2008	8/19/2009	3/25/2008	3/25/2008
Sample Type	Quality Standards		Duplicate								
Sample Name	(ug/L)[3]	MW0704-081909-1414	DUP-081909-0003	MW-07-05-121107	MW-07-05-051308	MW0705-081909-1150	MW-07-06-121107	MW-07-06-051308	MW0706-081909-1130	MW0801-032508-1330	MW0802-032508-1155
Cyanide (ug/L)											
Cyanide (total)	200	**131**	**100**	**13 J**	**35 J**	**31.2**	< 10	**27 J**	**8.8 J**	**220**	< 10
Metals (ug/L)											
Aluminum	-	**406**	**421**	< 100	< 100	**827**	**114**	**500**	**33000**	**102000**	**819**
Antimony	3	*< 5.5*	*< 5.5*	*< 60*	*< 60*	*< 5.5*	*< 60*	*< 60*	*< 5.5*	*< 60*	*< 60*
Arsenic	25	**21.1**	**19.3**	< 10	< 10	**11.2**	< 10	< 10	**28.1**	**59.3**	< 10
Barium	1000	**91.2**	**92.7**	**102**	**90.3**	**116**	**94.5**	**143**	**347**	**853**	**132**
Beryllium	3	< 0.2	< 0.2	*< 5*	*< 5*	< 0.2	*< 5*	*< 5*	**0.6 J**	*< 5*	*< 5*
Cadmium	5	< 0.3	< 0.3	< 5	< 5	< 0.3	< 5	< 5	< 0.3	< 5	< 5
Calcium	-	**128000 J**	**127000 J**	**190000**	**192000**	**202000 J**	**135000**	**182000**	**266000 J**	**484000**	**54900**
Chromium	50	< 0.9	**0.9 J**	< 10	< 10	**1.8 J**	< 10	< 10	**39.9**	**136**	< 10
Cobalt	-	**1.4 J**	**1.3 J**	< 50	< 50	**0.7 J**	< 50	< 50	**16.9**	**65.6**	< 50
Copper	200	**1.8 J**	**2.3 J**	< 20	< 20	**1.6 J**	< 20	< 20	**64.9**	**161**	< 20
Iron	300	**4730**	**4490**	**10200**	**11500**	**14200**	**910**	**1170**	**47400**	**141000**	**2690**
Lead	25	< 2.9	< 2.9	< 3	< 3	< 2.9	< 3	< 3	**106**	**98.5**	**4.7**
Magnesium	35000	**106000**	**107000**	**74100**	**78300**	**78800**	**38000**	**55300**	**96300**	**151000**	**10100**
Manganese	300	**358**	**362**	**1730**	**1530**	**1660**	**866**	**953**	**2830**	**3660**	**172**
Mercury	0.7	< 0.1	< 0.1	< 0.3	< 0.3	< 0.1	< 0.3	< 0.3	**0.5**	< 0.3	< 0.3
Nickel	100	**1.6 J**	**1.6 J**	< 40	< 40	**2.4 J**	< 40	< 40	**37.4**	**151**	< 40
Potassium	-	**9790**	**10700**	< 5000	< 5000	**2130**	< 5000	< 5000	**13300**	**36100**	**10800**
Selenium	10	< 8.7	< 8.7	< 6.1	< 6.1	< 8.7	**7.3**	< 6.1	< 8.7	< 6.1	< 6.1
Silver	50	< 1.2	< 1.2	< 10	< 10	< 1.2	< 10	< 10	< 1.2	< 10	< 10
Sodium	20000	**35800 J**	**35900 J**	**96000**	**84800**	**108000 J**	**39600**	**48000**	**57200 J**	**32400**	**22000**
Thallium	0.5	*< 7.7*	*< 7.7*	*< 10*	*< 10*	*< 7.7*	*< 10*	*< 10*	*< 7.7*	*< 10*	*< 10*
Vanadium	-	**1.5 J**	**1.1 J**	< 50	< 50	**1.6 J**	< 50	< 50	**57.2**	**174**	< 50
Zinc	2000	**3.7 J**	**4.9 J**	< 20	< 20	**8.9 J**	< 20	< 20	**192**	**351**	< 20
Semi-Volatile Organic Compounds (ug/L)											
2,2'-Oxybis(1-Chloropropane)	-	< 4.3	< 4.5	-	-	< 4	-	-	< 4.3	-	-
2,2-oxybis(1-Chloropropane)	-	-	-	< 10	< 10	-	< 9	< 10	-	< 10	< 10
2,4,5-Trichlorophenol	-	< 1.1	< 1.1	< 10	< 10	< 0.99	< 9	< 10	< 1.1	< 10	< 10
2,4,6-Trichlorophenol	-	< 1.1	< 1.1	< 10	< 10	< 0.99	< 9	< 10	< 1.1	< 10	< 10
2,4-Dichlorophenol	5	< 0.86	< 0.89	*< 10*	*< 10*	< 0.79	*< 9*	*< 10*	< 0.84	*< 10*	*< 10*
2,4-Dimethylphenol	50	< 1	< 1.1	< 10	< 10	< 0.96	< 9	< 10	< 1	< 10	< 10
2,4-Dinitrophenol	10	< 2.4 UJ	< 2.5 UJ	*< 49 UJ*	*< 48 UJ*	< 2.2 UJ	*< 47 UJ*	*< 48 UJ*	< 2.4 UJ	*< 49*	*< 51*
2,4-Dinitrotoluene	5	< 0.49	< 0.51	*< 10*	*< 10*	< 0.45	*< 9*	*< 10*	< 0.48	*< 10*	*< 10*
2,6-Dinitrotoluene	5	< 0.55	< 0.58	*< 10*	*< 10*	< 0.51	*< 9*	*< 10*	< 0.54	*< 10*	*< 10*
2-Chloronaphthalene	10	< 0.091	< 0.095	< 10	< 10	< 0.084	< 9	< 10	< 0.089	< 10	< 10
2-Chlorophenol	-	< 0.55	< 0.57	< 10	< 10	< 0.5	< 9	< 10	< 0.54	< 10	< 10
2-Methyl naphthalene	-	< 0.089	< 0.093	< 10	< 10	< 0.082	< 9	< 10	< 0.087	< 10	**0.2 J**
2-Methylphenol	-	< 0.25	< 0.26	< 10	< 10	< 0.23	< 9	< 10	< 0.24	< 10	< 10
2-Nitroaniline	5	< 0.54	< 0.57	*< 49*	*< 48*	< 0.5	*< 47*	*< 48*	< 0.53	*< 49*	*< 51*
2-Nitrophenol	-	< 0.66	< 0.69	< 10	< 10	< 0.6	< 9	< 10	< 0.64	< 10	< 10
3,3-Dichlorobenzidine	5	< 0.41	< 0.42	*< 10*	*< 10*	< 0.37	*< 9*	*< 10*	< 0.4	*< 10*	*< 10*
3-Nitroaniline	5	< 1.7	< 1.8	*< 49*	*< 48*	< 1.6	*< 47*	*< 48*	< 1.6	*< 49*	*< 51*
4,6-Dinitro-2-methylphenol	-	< 2.5	< 2.6	< 49	< 48	< 2.3	< 47	< 48	< 2.4	< 49	< 51
4-Bromophenyl phenyl ether	-	< 0.98	< 1	< 10	< 10	< 0.9	< 9	< 10	< 0.96	< 10	< 10
4-Chloro-3-methylphenol	-	< 0.65	< 0.68	< 10	< 10	< 0.6	< 9	< 10	< 0.63	< 10	< 10
4-Chloroaniline	5	< 0.36	< 0.38	*< 10*	*< 10*	< 0.33	*< 9*	*< 10*	< 0.35	*< 10*	*< 10*
4-Chlorophenyl phenyl ether	-	< 0.18	< 0.19	< 10	< 10	< 0.17	< 9	< 10	< 0.18	< 10	< 10
4-Methylphenol	-	< 0.63	< 0.66	< 10	< 10	< 0.58	< 9	< 10	< 0.62	< 10	< 10
4-Nitroaniline	5	< 0.49	< 0.52	*< 49*	*< 48*	< 0.46	*< 47*	*< 48*	< 0.48	*< 49*	*< 51*
4-Nitrophenol	-	< 1.7	< 1.7	< 49	< 48	< 1.5	< 47	< 48	< 1.6	< 49	< 51
Acenaphthene	20	< 0.12	< 0.13	**0.9 J**	**0.4 J**	**0.82 J**	< 9	< 10	< 0.12	< 10	**0.4 J**
Acenaphthylene	-	< 0.051	< 0.053	**0.3 J**	< 10	< 0.047	< 9	< 10	< 0.05	**0.4 J**	< 10

TABLE 3-12
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location	NYSDEC TOGS 1.1.1	MW-07-04	MW-07-04	MW-07-05	MW-07-05	MW-07-05	MW-07-06	MW-07-06	MW-07-06	MW-08-01	MW-08-02
Sample Date	Class GA Water	8/19/2009	8/19/2009	12/11/2007	5/13/2008	8/19/2009	12/11/2007	5/13/2008	8/19/2009	3/25/2008	3/25/2008
Sample Type	Quality Standards		Duplicate								
Sample Name	(ug/L)[3]	MW0704-081909-1414	DUP-081909-0003	MW-07-05-121107	MW-07-05-051308	MW0705-081909-1150	MW-07-06-121107	MW-07-06-051308	MW0706-081909-1130	MW0801-032508-1330	MW0802-032508-1155
Semi-Volatile Organic Compounds (ug/L, continued)											
Acetophenone	-	< 1.1	< 1.2	< 10	< 10	< 1	< 9	< 10	< 1.1	**3 J**	**2 J**
Anthracene	50	< 0.061	< 0.064	< 10	< 10	< 0.056	< 9	< 10	< 0.06	**0.6 J**	**0.2 J**
Atrazine	7.5	< 1.2	< 1.2	*< 10*	*< 10*	< 1.1	*< 9*	*< 10*	< 1.1	*< 10*	*< 10*
Benzaldehyde	-	< 0.29	< 0.3	< 10	< 10	< 0.27	< 9	< 10	< 0.28	< 10	< 10
Benzo(a)anthracene	0.002	*< 0.07*	*< 0.073*	*< 10*	*< 10*	*< 0.064*	*< 9*	*< 10*	*< 0.068*	**3 J**	**1 J**
Benzo(a)pyrene	-	< 0.099	< 0.1	< 10	< 10	< 0.091	< 9	< 10	< 0.097	**3 J**	**0.8 J**
Benzo(b)fluoranthene	0.002	*< 0.068*	*< 0.072*	*< 10*	*< 10*	*< 0.063*	*< 9*	*< 10*	*< 0.067*	**5 J**	**1 J**
Benzo(g,h,i)perylene	-	< 0.085	< 0.089	< 10	< 10	< 0.078	< 9	< 10	< 0.083	**2 J**	**0.6 J**
Benzo(k)fluoranthene	0.002	*< 0.072*	*< 0.075*	*< 10*	*< 10*	*< 0.066*	*< 9*	*< 10*	*< 0.07*	*< 10*	**0.4 J**
Biphenyl	5	< 0.71	< 0.74	*< 10*	*< 10*	< 0.65	*< 9*	*< 10*	< 0.69	*< 10*	*< 10*
bis(2-Chloroethoxy)methane	5	< 0.41	< 0.43	*< 10*	*< 10*	< 0.38	*< 9*	*< 10*	< 0.4	*< 10*	*< 10*
bis(2-Chloroethyl)ether	1	< 0.2	< 0.2	*< 10*	*< 10*	< 0.18	*< 9*	*< 10*	< 0.19	*< 10*	*< 10*
bis(2-Ethylhexyl)phthalate	5	*< 5.2*	*< 5.4*	*< 10*	*< 10*	< 4.8	*< 9*	*< 10*	*< 5.1*	**26**	**33**
Butyl benzylphthalate	50	< 1.9	< 2	< 10	< 10	< 1.7	< 9	< 10	< 1.9	< 10	< 10
Caprolactam	-	< 5	< 5.2	< 49	< 48	< 4.6	< 47	< 48	< 4.9	< 49	< 51
Carbazole	-	< 0.097	< 0.1	< 10	< 10	< 0.089	< 9	< 10	< 0.095	**0.2 J**	**0.5 J**
Chrysene	0.002	*< 0.3*	*< 0.31*	*< 10*	*< 10*	*< 0.27*	*< 9*	*< 10*	*< 0.29*	**2 J**	**0.9 J**
Dibenzo(a,h)anthracene	-	< 0.22	< 0.23	< 10	< 10	< 0.2	< 9	< 10	< 0.21	**0.5 J**	< 10
Dibenzofuran	-	< 1.7	< 1.8	< 10	< 10	< 1.6	< 9	< 10	< 1.7	**0.2 J**	< 10
Diethyl phthalate	50	< 0.12	< 0.12	< 10	< 10	< 0.11	< 9	< 10	< 0.12	< 10	< 10
Dimethyl phthalate	50	< 0.33	< 0.34	< 10	< 10	< 0.3	< 9	< 10	< 0.32	< 10	< 10
Di-n-butylphthalate	50	< 0.32	< 0.34	< 10	< 10	< 0.3	< 9	< 10	< 0.32	**0.3 J**	**0.4 J**
Di-n-octyl phthalate	50	< 0.26	< 0.27	< 10	< 10	< 0.24	< 9	< 10	< 0.26	< 10	< 10
Fluoranthene	50	< 0.11	< 0.11	**0.6 J**	**0.3 J**	< 0.098	< 9	< 10	< 0.1	**4 J**	**2 J**
Fluorene	50	< 0.08	< 0.084	**0.2 J**	< 10	< 0.074	< 9	< 10	< 0.079	**0.3 J**	**0.4 J**
Hexachlorobenzene	0.04	*< 0.48*	*< 0.51*	*< 10*	*< 10*	*< 0.44*	*< 9*	*< 10*	*< 0.47*	*< 10*	*< 10*
Hexachlorobutadiene	0.5	*< 2.8*	*< 2.9*	*< 10*	*< 10*	*< 2.6*	*< 9*	*< 10*	*< 2.8*	*< 10*	*< 10*
Hexachlorocyclopentadiene	5	< 2.7	< 2.8	*< 10 UJ*	*< 10*	< 2.5	*< 9 UJ*	*< 10*	< 2.7	*< 10*	*< 10*
Hexachloroethane	5	< 3.1	< 3.2	*< 10*	*< 10*	< 2.8	*< 9*	*< 10*	< 3	*< 10*	*< 10*
Indeno(1,2,3-cd)pyrene	0.002	*< 0.17*	*< 0.17*	*< 10*	*< 10*	*< 0.15*	*< 9*	*< 10*	*< 0.16*	**2 J**	**0.5 J**
Isophorone	50	< 0.35	< 0.36	< 10	< 10	< 0.32	< 9	< 10	< 0.34	< 10	< 10
Naphthalene	10	< 0.13	< 0.13	< 10	< 10	< 0.12	< 9	< 10	< 0.12	**0.3 J**	**0.6 J**
Nitrobenzene	0.4	*< 0.58*	*< 0.61*	*< 10*	*< 10*	*< 0.54*	*< 9*	*< 10*	*< 0.57*	*< 10*	*< 10*
N-Nitrosodi-n-propylamine	-	< 0.49	< 0.51	< 10	< 10	< 0.45	< 9	< 10	< 0.48	< 10	< 10
N-Nitrosodiphenylamine	50	< 0.28	< 0.3	< 10	< 10	< 0.26	< 9	< 10	< 0.28	< 10	< 10
Pentachlorophenol	1	*< 5.6*	*< 5.8*	*< 49*	*< 48 UJ*	*< 5.1*	*< 47*	*< 48 UJ*	*< 5.5*	*< 49 UJ*	*< 51 UJ*
Phenanthrene	50	< 0.12	< 0.13	**0.4 J**	< 10	< 0.11	< 9	< 10	< 0.12	**2 J**	**1 J**
Phenol	1	< 0.48	< 0.51	*< 10*	*< 10*	< 0.45	*< 9*	*< 10*	< 0.47	*< 10*	*< 10*
Pyrene	50	< 0.074	< 0.077	**0.4 J**	< 10	**0.4 J**	< 9	< 10	< 0.072	**4 J**	**2 J**
Volatile Organic Compounds (ug/L)											
1,1,1-Trichloroethane	5	< 0.26	< 0.26	< 5	< 5	< 0.26	< 5	< 5	< 0.26	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 0.21	< 0.21	< 5	< 5	< 0.21	< 5	< 5	< 0.21	< 5	< 5
1,1,2-Trichloroethane	1	< 0.23	< 0.23	*< 5*	*< 5*	< 0.23	*< 5*	*< 5*	< 0.23	*< 5*	*< 5*
1,1-Dichloroethane	5	< 0.38	< 0.38	< 5	< 5	< 0.38	< 5	< 5	< 0.38	< 5	< 5
1,1-Dichloroethene	5	< 0.29	< 0.29	< 5	< 5	< 0.29	< 5	< 5	< 0.29	< 5	< 5
1,2,4-Trichlorobenzene	-	< 0.41	< 0.41	< 5	< 5	< 0.41	< 5	< 5	< 0.41	< 5	< 5
1,2-Dibromo-3-chloropropane (DBCP)	0.04	*< 0.39*	*< 0.39*	*< 5 UJ*	*< 5 UJ*	*< 0.39*	*< 5 UJ*	*< 5 UJ*	*< 0.39*	*< 5*	*< 5*
1,2-Dibromoethane	-	< 0.17	< 0.17	< 5	< 5	< 0.17	< 5	< 5	< 0.17	< 5	< 5
1,2-Dichlorobenzene	3	< 0.2	< 0.2	*< 5*	*< 5*	< 0.2	*< 5*	*< 5*	< 0.2	*< 5*	*< 5*
1,2-Dichloroethane	0.6	< 0.21	< 0.21	*< 5*	*< 5*	< 0.21	*< 5*	*< 5*	< 0.21	*< 5*	*< 5*
1,2-Dichloroethene, Total	-	< 0.7 UJ	< 0.7 UJ	-	-	< 0.7 UJ	-	-	< 0.7 UJ	-	-
1,2-Dichloropropane	1	< 0.32	< 0.32	*< 5*	*< 5*	< 0.32	*< 5*	*< 5*	< 0.32	*< 5*	*< 5*
1,3-Dichlorobenzene	3	< 0.36	< 0.36	*< 5*	*< 5*	< 0.36	*< 5*	*< 5*	< 0.36	*< 5*	*< 5*

TABLE 3-12
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location	NYSDEC TOGS 1.1.1	MW-07-04	MW-07-04	MW-07-05	MW-07-05	MW-07-05	MW-07-06	MW-07-06	MW-07-06	MW-08-01	MW-08-02
Sample Date	Class GA Water	8/19/2009	8/19/2009	12/11/2007	5/13/2008	8/19/2009	12/11/2007	5/13/2008	8/19/2009	3/25/2008	3/25/2008
Sample Type	Quality Standards		Duplicate								
Sample Name	(ug/L)[3]	MW0704-081909-1414	DUP-081909-0003	MW-07-05-121107	MW-07-05-051308	MW0705-081909-1150	MW-07-06-121107	MW-07-06-051308	MW0706-081909-1130	MW0801-032508-1330	MW0802-032508-1155
Volatile Organic Compounds (ug/L, continued)											
1,4-Dichlorobenzene	3	< 0.39	< 0.39	*< 5*	*< 5*	< 0.39	*< 5*	*< 5*	< 0.39	*< 5*	*< 5*
2-Butanone	-	< 1.3	< 1.3	< 10	< 10	< 1.3	< 10	< 10	< 1.3	< 10	< 10
2-Hexanone	50	< 1.2	< 1.2	< 10 UJ	< 10	< 1.2	< 10 UJ	< 10	< 1.2	< 10	< 10
4-Methyl-2-pentanone	-	< 0.91	< 0.91	< 10 UJ	< 10	< 0.91	< 10 UJ	< 10	< 0.91	< 10	< 10
Acetone	50	< 1.3	< 1.3	< 20	< 20	< 1.3	< 20	< 20	< 1.3	< 20	< 20
Benzene	1	**2.8**	**2.7**	*< 5*	*< 5*	< 0.41	*< 5*	*< 5*	< 0.41	*< 5*	**5.1**
Bromodichloromethane	50	< 0.39	< 0.39	< 5	< 5	< 0.39	< 5	< 5	< 0.39	**0.62 J**	< 5
Bromoform	50	< 0.26	< 0.26	< 5 UJ	< 5 UJ	< 0.26	< 5 UJ	< 5 UJ	< 0.26	< 5	< 5
Bromomethane	5	< 0.28	< 0.28	< 5	< 5	< 0.28	< 5	< 5	< 0.28	< 5	< 5
Carbon disulfide	-	< 0.19	< 0.19	< 10	< 10 UJ	< 0.19	< 10	< 10 UJ	< 0.19	< 10	< 10
Carbon tetrachloride	5	< 0.27	< 0.27	< 5	< 5	< 0.27	< 5	< 5	< 0.27	< 5	< 5
Chlorobenzene	5	< 0.32	< 0.32	< 5	< 5	< 0.32	< 5	< 5	< 0.32	< 5	< 5
Chloroethane	5	< 0.32	< 0.32	< 5	< 5 UJ	< 0.32	< 5	< 5 UJ	< 0.32	< 5 UJ	< 5 UJ
Chloroform	7	< 0.34	< 0.34	< 5	< 5	< 0.34	< 5	< 5	< 0.34	**1.6 J**	< 5
Chloromethane	-	< 0.35	< 0.35	< 5	< 5	< 0.35	< 5	< 5	< 0.35	< 5	< 5
cis-1,2-Dichloroethene	5	< 0.38	< 0.38	< 5	< 5	< 0.38	< 5	< 5	< 0.38	< 5	< 5
cis-1,3-Dichloropropene	0.4	< 0.36	< 0.36	*< 5*	*< 5*	< 0.36	*< 5*	*< 5*	< 0.36	*< 5*	*< 5*
Cyclohexane	-	< 0.53	< 0.53	< 10	< 10	< 0.53	< 10	< 10	< 0.53	< 10	< 10
Dibromochloromethane	50	< 0.32	< 0.32	< 5	< 5	< 0.32	< 5	< 5	< 0.32	< 5	< 5
Dichlorodifluoromethane (CFC-12)	5	< 0.29 UJ	< 0.29 UJ	< 5	< 5 UJ	< 0.29	< 5	< 5 UJ	< 0.29 UJ	< 5	< 5
Ethylbenzene	5	< 0.18	< 0.18	< 5	< 5	< 0.18	< 5	< 5	< 0.18	< 5	< 5
Isopropylbenzene	5	< 0.19	< 0.19	< 5	< 5	< 0.19	< 5	< 5	< 0.19	< 5	< 5
Methyl acetate	-	< 0.5 UJ	< 0.5 UJ	< 10	< 10	< 0.5 UJ	< 10	< 10	< 0.5 UJ	< 10	< 10
Methyl cyclohexane	-	< 0.5	< 0.5	< 10	< 10	< 0.5	< 10	< 10	< 0.5	< 10	< 10
Methyl tert butyl ether (MTBE)	-	< 0.16	< 0.16	**2.8 J**	**4.5 J**	**5.5**	< 5	< 5	< 0.16	< 5	< 5
Methylene chloride	5	< 0.44	< 0.44	< 5 UJ	< 5 UJ	< 0.44	< 5 UJ	< 5 UJ	< 0.44	< 5 UJ	< 5 UJ
Styrene	5	< 0.18	< 0.18	< 5	< 5	< 0.18	< 5	< 5	< 0.18	< 5	< 5
Tetrachloroethene	5	< 0.36	< 0.36	< 5	< 5	< 0.36	< 5	< 5	< 0.36	< 5	< 5
Toluene	5	< 0.51	< 0.51	< 5	< 5	< 0.51	< 5	< 5	< 0.51	< 5	< 5
trans-1,2-Dichloroethene	5	< 0.42	< 0.42	< 5	< 5	< 0.42	< 5	< 5	< 0.42	< 5	< 5
trans-1,3-Dichloropropene	0.4	< 0.37	< 0.37	*< 5*	*< 5*	< 0.37	*< 5*	*< 5*	< 0.37	*< 5*	*< 5*
Trichloroethene	5	< 0.46	< 0.46	< 5	< 5	< 0.46	< 5	< 5	< 0.46	< 5	< 5
Trichlorofluoromethane (CFC-11)	5	< 0.15	< 0.15	< 5	< 5 UJ	< 0.15	< 5	< 5 UJ	< 0.15	< 5	< 5
Trifluorotrichloroethane (Freon 113)	-	< 0.31	< 0.31	< 5	< 5	< 0.31	< 5	< 5	< 0.31	< 5	< 5
Vinyl acetate	-	< 0.85 UJ	< 0.85 UJ	-	-	< 0.85 UJ	-	-	< 0.85 UJ	-	-
Vinyl chloride	2	< 0.24	< 0.24	*< 5*	*< 5*	< 0.24	*< 5*	*< 5*	< 0.24	*< 5*	*< 5*
Xylenes (total)	5	< 0.66	< 0.66	< 3	< 3	< 0.66	< 3	< 3	< 0.66	< 3	< 3

Notes and Abbreviations:
1. <: Result is less than indicated reporting limit.
2. J: Estimated result.
   R: Rejected result.
   UJ: Non-detect, reporting limit is estimated.
3. Blue shading indicates exceedance of TOGS Water Quality Standards.
4. *Gray* shading indicates reporting limit exceedance of TOGS Water Quality Standards.
5. Results in bold are detected.
6. -: Not analyzed or not available.

TABLE 3-12
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location **Sample Date** **Sample Type** **Sample Name**	NYSDEC TOGS 1.1.1 Class GA Water Quality Standards (ug/L)[3]	MW-08-02 5/13/2008 MW-08-02-051308	MW-08-02 8/19/2009 MW0802-081909-1800	MW-08-03 3/25/2008 MW0803-032508-1610	MW-08-03 5/14/2008 MW-08-03-051408	MW-08-03 8/19/2009 MW0803-081909-1830
Cyanide (ug/L)						
Cyanide (total)	200	**390 J**	**219**	**290**	**450 J**	**244**
Metals (ug/L)						
Aluminum	-	< 100	**858**	**677**	**1390**	**13700**
Antimony	3	*< 60*	*< 5.5*	*< 60*	*< 60*	*< 5.5*
Arsenic	25	< 10	< 5.6	**13.9**	**17.2**	**10.9**
Barium	1000	**108**	**198**	**87.3**	**78.4**	**102**
Beryllium	3	*< 5*	< 0.2	*< 5*	*< 5*	**1.3 J**
Cadmium	5	< 5	< 0.3	< 5	< 5	< 0.3
Calcium	-	**58300**	**96400 J**	**85500**	**89000**	**45100 J**
Chromium	50	< 10	**2.1 J**	< 10	< 10	**3.2 J**
Cobalt	-	< 50	**1.6 J**	< 50	< 50	**1.9 J**
Copper	200	< 20	**8.1 J**	< 20	< 20	**5.3 J**
Iron	300	**1250**	**1840**	**2170**	**3010**	**7060**
Lead	25	< 3	**6.9**	< 3	< 3	**16.1**
Magnesium	35000	**9780**	**15700**	**42600**	**46300**	**24500**
Manganese	300	**192**	**240**	**323**	**401**	**340**
Mercury	0.7	< 0.3	< 0.1	< 0.3	< 0.3	< 0.1
Nickel	100	< 40	**2 J**	< 40	< 40	**9.6 J**
Potassium	-	**9140**	**14100**	**13800**	**12300**	**13100**
Selenium	10	< 6.1	< 8.7	< 6.1	< 6.1	< 8.7
Silver	50	< 10	< 1.2	< 10	< 10	< 1.2
Sodium	20000	**18600**	**26400 J**	**58800**	**54900**	**2920000 J**
Thallium	0.5	*< 10*	*< 7.7*	*< 10*	*< 10*	*< 7.7*
Vanadium	-	< 50	**2.1 J**	< 50	< 50	**4.7 J**
Zinc	2000	< 20	**16.2**	< 20	< 20	**31.5**
Semi-Volatile Organic Compounds (ug/L)						
2,2'-Oxybis(1-Chloropropane)	-	-	< 4	-	-	< 4.4
2,2-oxybis(1-Chloropropane)	-	< 10	-	< 10	< 10	-
2,4,5-Trichlorophenol	-	< 10	< 0.98	< 10	< 10	< 1.1
2,4,6-Trichlorophenol	-	< 10	< 0.98	< 10	< 10	< 1.1
2,4-Dichlorophenol	5	*< 10*	< 0.78	*< 10*	*< 10*	< 0.87
2,4-Dimethylphenol	50	< 10	< 0.95	**44**	**38**	**7.5 J**
2,4-Dinitrophenol	10	*< 48 UJ*	< 2.2 UJ	*< 52*	*< 50 UJ*	< 2.5
2,4-Dinitrotoluene	5	*< 10*	< 0.44	*< 10*	*< 10*	< 0.5
2,6-Dinitrotoluene	5	*< 10*	< 0.5	*< 10*	*< 10*	< 0.57
2-Chloronaphthalene	10	< 10	< 0.083	< 10	< 10	< 0.093
2-Chlorophenol	-	< 10	< 0.5	< 10	< 10	< 0.56
2-Methyl naphthalene	-	< 10	< 0.081	**130**	**20**	**21**
2-Methylphenol	-	< 10	< 0.23	**22**	**46**	**5 J**
2-Nitroaniline	5	*< 48*	< 0.49	*< 52*	*< 50*	< 0.55
2-Nitrophenol	-	< 10	< 0.6	< 10	< 10	< 0.67
3,3-Dichlorobenzidine	5	*< 10*	< 0.37	*< 10*	*< 10*	< 0.42
3-Nitroaniline	5	*< 48*	< 1.5	*< 52*	*< 50*	< 1.7
4,6-Dinitro-2-methylphenol	-	< 48	< 2.2	< 52	< 50	< 2.5
4-Bromophenyl phenyl ether	-	< 10	< 0.89	< 10	< 10	< 1
4-Chloro-3-methylphenol	-	< 10	< 0.59	< 10	< 10	< 0.66
4-Chloroaniline	5	*< 10*	< 0.33	*< 10*	*< 10*	< 0.37
4-Chlorophenyl phenyl ether	-	< 10	< 0.17	< 10	< 10	< 0.19
4-Methylphenol	-	< 10	< 0.57	**38**	**17**	**4.1 J**
4-Nitroaniline	5	*< 48*	< 0.45	*< 52*	*< 50*	< 0.51
4-Nitrophenol	-	< 48	< 1.5	< 52	< 50	< 1.7
Acenaphthene	20	**0.3 J**	< 0.11	**16**	**13**	**6.8 J**
Acenaphthylene	-	< 10	< 0.047	**74**	**34**	**4.5 J**

TABLE 3-12
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location **Sample Date** **Sample Type** **Sample Name**	NYSDEC TOGS 1.1.1 Class GA Water Quality Standards (ug/L)[3]	MW-08-02 5/13/2008 MW-08-02-051308	MW-08-02 8/19/2009 MW0802-081909-1800	MW-08-03 3/25/2008 MW0803-032508-1610	MW-08-03 5/14/2008 MW-08-03-051408	MW-08-03 8/19/2009 MW0803-081909-1830
Semi-Volatile Organic Compounds (ug/L, continued)						
Acetophenone	-	< 10	< 1	**14**	**8 J**	**1.8 J**
Anthracene	50	< 10	< 0.055	**5 J**	**15**	**4.1 J**
Atrazine	7.5	*< 10*	< 1.1	*< 10*	*< 10*	< 1.2
Benzaldehyde	-	< 10	< 0.26	< 10	< 10	< 0.3
Benzo(a)anthracene	0.002	*< 10*	*< 0.063*	**0.3 J**	**3 J**	**0.56 J**
Benzo(a)pyrene	-	< 10	< 0.09	< 10	**2 J**	< 0.43 UJ
Benzo(b)fluoranthene	0.002	*< 10*	*< 0.062*	*< 10*	**2 J**	*< 0.48 UJ*
Benzo(g,h,i)perylene	-	< 10	< 0.077	< 10	**0.7 J**	< 0.37 UJ
Benzo(k)fluoranthene	0.002	*< 10*	*< 0.065*	*< 10*	**0.8 J**	*< 0.27 UJ*
Biphenyl	5	*< 10*	< 0.65	**17**	**21**	**8.5 J**
bis(2-Chloroethoxy)methane	5	*< 10*	< 0.37	*< 10*	*< 10*	< 0.42
bis(2-Chloroethyl)ether	1	*< 10*	< 0.18	*< 10*	*< 10*	< 0.2
bis(2-Ethylhexyl)phthalate	5	*< 10*	< 4.7	**540**	*< 10*	*< 5.3*
Butyl benzylphthalate	50	< 10	< 1.7	< 10	< 10	< 1.9
Caprolactam	-	< 48	< 4.5	< 52	< 50	< 5.1
Carbazole	-	**0.4 J**	< 0.088	**70**	**120**	**32 J**
Chrysene	0.002	*< 10*	*< 0.27*	*< 10*	**2 J**	**0.47 J**
Dibenzo(a,h)anthracene	-	< 10	< 0.2	< 10	**0.3 J**	< 0.38 UJ
Dibenzofuran	-	< 10	< 1.6	**30**	**44**	**14 J**
Diethyl phthalate	50	< 10	< 0.11	**0.7 J**	< 10	< 0.12
Dimethyl phthalate	50	< 10	< 0.3	< 10	< 10	< 0.33
Di-n-butylphthalate	50	< 10	< 0.3	< 10	< 10	< 0.33
Di-n-octyl phthalate	50	< 10	< 0.24	< 10	< 10	< 0.27
Fluoranthene	50	< 10	< 0.097	**2 J**	**12**	< 0.11
Fluorene	50	**0.4 J**	**0.2 J**	**31**	**48**	**21 J**
Hexachlorobenzene	0.04	*< 10*	*< 0.44*	*< 10*	*< 10*	*< 0.49*
Hexachlorobutadiene	0.5	*< 10*	*< 2.6*	*< 10*	*< 10*	*< 2.9*
Hexachlorocyclopentadiene	5	*< 10*	< 2.5	*< 10*	*< 10*	< 2.8
Hexachloroethane	5	*< 10*	< 2.8	*< 10*	*< 10*	< 3.1
Indeno(1,2,3-cd)pyrene	0.002	*< 10*	*< 0.15*	*< 10*	**0.7 J**	*< 0.41 UJ*
Isophorone	50	< 10	< 0.32	< 10	< 10	< 0.36
Naphthalene	10	< 10	< 0.11	**900**	**25**	**20**
Nitrobenzene	0.4	*< 10*	*< 0.53*	*< 10*	*< 10*	*< 0.6*
N-Nitrosodi-n-propylamine	-	< 10	< 0.45	< 10	< 10	< 0.5
N-Nitrosodiphenylamine	50	< 10	< 0.26	< 10	< 10	< 0.29
Pentachlorophenol	1	*< 48 UJ*	*< 5.1*	*< 52 UJ*	*< 50 UJ*	*< 5.7*
Phenanthrene	50	**0.3 J**	< 0.11	**21**	**77**	**19 J**
Phenol	1	*< 10*	< 0.44	**13**	**5 J**	**1.5 J**
Pyrene	50	< 10	< 0.067	**2 J**	**8 J**	**0.86 J**
Volatile Organic Compounds (ug/L)						
1,1,1-Trichloroethane	5	< 5	< 0.26	< 5	*< 200*	< 0.26
1,1,2,2-Tetrachloroethane	5	< 5	< 0.21	< 5	*< 200*	< 0.21
1,1,2-Trichloroethane	1	*< 5*	< 0.23	*< 5*	*< 200*	< 0.23
1,1-Dichloroethane	5	< 5	< 0.38	< 5	*< 200*	< 0.38
1,1-Dichloroethene	5	< 5	< 0.29	< 5	*< 200*	< 0.29
1,2,4-Trichlorobenzene	-	< 5	< 0.41	< 5	< 200	< 0.41
1,2-Dibromo-3-chloropropane (DBCP)	0.04	*< 5 UJ*	*< 0.39*	*< 5*	*< 200 UJ*	*< 0.39*
1,2-Dibromoethane	-	< 5	< 0.17	< 5	< 200	< 0.17
1,2-Dichlorobenzene	3	*< 5*	< 0.2	*< 5*	*< 200*	< 0.2
1,2-Dichloroethane	0.6	*< 5*	< 0.21	*< 5*	*< 200*	< 0.21
1,2-Dichloroethene, Total	-	-	< 0.7 UJ	-	-	< 0.7 UJ
1,2-Dichloropropane	1	*< 5*	< 0.32	*< 5*	*< 200*	< 0.32
1,3-Dichlorobenzene	3	*< 5*	< 0.36	*< 5*	*< 200*	< 0.36

TABLE 3-12
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Location **Sample Date** **Sample Type** **Sample Name**	NYSDEC TOGS 1.1.1 Class GA Water Quality Standards (ug/L)[3]	MW-08-02 5/13/2008 MW-08-02-051308	MW-08-02 8/19/2009 MW0802-081909-1800	MW-08-03 3/25/2008 MW0803-032508-1610	MW-08-03 5/14/2008 MW-08-03-051408	MW-08-03 8/19/2009 MW0803-081909-1830
Volatile Organic Compounds (ug/L, continued)						
1,4-Dichlorobenzene	3	*< 5*	< 0.39	*< 5*	*< 200*	< 0.39
2-Butanone	-	< 10	< 1.3	< 10	< 400	< 1.3
2-Hexanone	50	< 10	< 1.2	< 10	*< 400*	< 1.2
4-Methyl-2-pentanone	-	< 10	< 0.91	< 10	< 400	< 0.91
Acetone	50	< 20	< 1.3	**2.9 J**	*< 800*	< 1.3
Benzene	1	**3.5 J**	**4**	**1700**	**2300**	**870**
Bromodichloromethane	50	< 5	< 0.39	< 5	*< 200*	< 0.39
Bromoform	50	< 5 UJ	< 0.26	< 5	*< 200 UJ*	< 0.26
Bromomethane	5	< 5	< 0.28	< 5	*< 200*	< 0.28
Carbon disulfide	-	< 10 UJ	< 0.19	< 10	< 400 UJ	< 0.19
Carbon tetrachloride	5	< 5	< 0.27	< 5	*< 200*	< 0.27
Chlorobenzene	5	< 5	< 0.32	< 5	*< 200*	< 0.32
Chloroethane	5	< 5 UJ	< 0.32	< 5 UJ	*< 200 UJ*	< 0.32
Chloroform	7	< 5	< 0.34	< 5	*< 200*	< 0.34
Chloromethane	-	< 5	< 0.35	< 5	< 200	< 0.35
cis-1,2-Dichloroethene	5	< 5	< 0.38	< 5	*< 200*	< 0.38
cis-1,3-Dichloropropene	0.4	*< 5*	< 0.36	*< 5*	*< 200*	< 0.36
Cyclohexane	-	< 10	< 0.53	< 10	< 400	< 0.53
Dibromochloromethane	50	< 5	< 0.32	< 5	*< 200*	< 0.32
Dichlorodifluoromethane (CFC-12)	5	< 5 UJ	< 0.29 UJ	< 5	*< 200 UJ*	< 0.29
Ethylbenzene	5	< 5	< 0.18	**53**	**120 J**	**53**
Isopropylbenzene	5	< 5	< 0.19	**1.6 J**	*< 200*	**2.5**
Methyl acetate	-	< 10	< 0.5 UJ	< 10	< 400	< 0.5 UJ
Methyl cyclohexane	-	< 10	< 0.5	< 10	< 400	**0.8 J**
Methyl tert butyl ether (MTBE)	-	< 5	< 0.16	**0.41 J**	< 200	< 0.16
Methylene chloride	5	< 5 UJ	< 0.44	< 5 UJ	*< 200 UJ*	< 0.44
Styrene	5	< 5	< 0.18	**76**	**140 J**	**63**
Tetrachloroethene	5	< 5	< 0.36	< 5	*< 200*	< 0.36
Toluene	5	< 5	< 0.51	**980**	**1300**	**510**
trans-1,2-Dichloroethene	5	< 5	< 0.42	< 5	*< 200*	< 0.42
trans-1,3-Dichloropropene	0.4	*< 5*	< 0.37	*< 5*	*< 200*	< 0.37
Trichloroethene	5	< 5	< 0.46	< 5	*< 200*	< 0.46
Trichlorofluoromethane (CFC-11)	5	< 5 UJ	< 0.15	< 5	*< 200 UJ*	< 0.15
Trifluorotrichloroethane (Freon 113)	-	< 5	< 0.31	< 5	< 200	< 0.31
Vinyl acetate	-	-	< 0.85 UJ	-	-	< 0.85 UJ
Vinyl chloride	2	*< 5*	< 0.24	*< 5*	*< 200*	< 0.24
Xylenes (total)	5	< 3	< 0.66	**530**	**1000**	**500**

Notes and Abbreviations:
1. <: Result is less than indicated reporting limit.
2. J: Estimated result.
   R: Rejected result.
   UJ: Non-detect, reporting limit is estimated.
3. Blue shading indicates exceedance of TOGS Water Quality Standards.
4. *Gray* shading indicates reporting limit exceedance of TOGS Water Quality Standards.
5. Results in bold are detected.
6. -: Not analyzed or not available.

TABLE 3-13
GROUNDWATER SAMPLING FIELD PARAMETER SUMMARY
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Monitoring Well	Sample Date	Temperature (Celsius)	pH	Conductivity (mS/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	Redox (ORP)	Comments
MW-07-02	12/11/2007	11.8	7.1	0.883	8.2	0.00	191	
	3/25/2008	NS	NS	NS	NS	NS	NS	
	5/14/2008	12.8	6.7	0.902	73.6	0.55	171	
	8/19/2009	17.1	7.1	1.41	19.3	0.14	-178	
MW-07-03	12/11/2007	9.7	7.2	1.37	12.8	3.05	126	
	3/25/2008	NS	NS	NS	NS	NS	NS	
	5/13/2008	13.8	6.6	1.31	14.5	0.70	91	
	8/19/2009	15.8	6.9	1.72	49.2	0.00	14	Clear.
MW-07-04	12/11/2007	9.4	7.3	1.9	0.0	0.00	74	
	3/25/2008	NS	NS	NS	NS	NS	NS	
	5/14/2008	13.8	6.8	1.81	49.5	0.43	-96	
	8/19/2009	19.4	7.1	1.79	46.1	0.00	-134	No odor.
MW-07-05	12/11/2007	9.7	7.0	2.13	35.6	2.23	-108	Slight petroleum-like odor
	3/25/2008	NS	NS	NS	NS	NS	NS	
	5/13/2008	10.2	6.6	2.01	38.0	0.43	-109	
	8/19/2008	15.9	6.7	2.91	144.0	0.00	-135	Rust colored.All stable except turbidity. @66 minutes, = 41.8.
MW-07-06	12/11/2007	7.9	7.2	1.26	3.1	0.00	7	
	3/25/2008	NS	NS	NS	NS	NS	NS	
	5/13/2008	12.7	6.8	1.45	32.1	0.44	-78	
	8/19/2009	19	7.0	1.86	81.2	0.00	-98	Pump not working, bail used for sample collection.
MW-08-01	12/11/2007	NS	NS	NS	NS	NS	NS	
	3/25/2008	9.8	7.6	0.9	879	4.88	213	Turbid sample, well purged dry
	5/14/2008	NS	NS	NS	NS	NS	NS	Well purged dry, no sample
	8/19/2009	16.5	7.1	0.707	213.0	0.41	63	Odor, cloudy. Well dry- did not recover over 30 minutes.
MW-08-02	12/11/2007	NS	NS	NS	NS	NS	NS	
	3/25/2008	11.8	7.9	0.984	0.0	6.52	-107	Slight naphthalene-like odor
	5/13/2008	12.2	7.2	0.477	23.0	0.71	-185	
	8/19/2009	18.8	7.8	1.1	48.8	0.00	-188	
MW-08-03	12/11/2007	NS	NS	NS	NS	NS	NS	
	3/25/2008	12.0	7.7	1.02	33.1	7.00	-71	Naphthalene-like odor
	5/14/2008	12.4	7.2	1.15	49.6	41.00	-165	Naphthalene-like odor
	8/19/2009	17.3	7.7	1.12	597.0	0.03	-171	Mothball odor, cloudy. All parameters stable, except turbidity.

Notes:
1. Monitoring wells MW-08-01 through MW-08-03 installed March 2008.
2. Groundwater sampling completed by Haley & Aldrich of New York.

TABLE 3-14
SOIL VAPOR INTRUSION INVESTIGATION ANALYTICAL RESULTS
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Sample Name	Reporting		SV-07-01-INA		SV-07-01-SS		SV-07-02-SS		SV-07-03-INA		SV-07-03-SS		SV-07-04-INA		SV-07-04-SS		SV-07-05-OA	
Sample Date	Limit		2/19/2008		2/19/2008		2/19/2008		2/19/2008		2/19/2008		2/19/2008		2/19/2008		2/19/2008	
Units	ug/m3	ppb(v/v)	ug/m3	ppb(v/v)	ug/m3	ppb(v/v)	ug/m3	ppb(v/v)	ug/m3	ppb(v/v)	ug/m3	ppb(v/v)	ug/m3	ppb(v/v)	ug/m3	ppb(v/v)	ug/m3	ppb(v/v)
1,1,1-Trichloroethane	0.44	0.08	0.1 J	0.019 J	0.12 J	0.022 J	0.1 J	0.019 J	0.073 J	0.013 J	0.077 J	0.014 J	0.11 J	0.02 J	0.13 J	0.024 J	0.073 J	0.013 J
1,1,2,2-Tetrachloroethane	0.55	0.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.44	0.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichlorotrifluoroethane	0.61	0.08	0.75	0.098	0.7	0.092	0.66	0.087	0.47	0.061	0.53 J	0.069 J	0.73	0.095	0.72	0.094	0.57 J	0.074 J
1,1-Dichloroethane	0.32	0.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.32	0.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trimethylbenzene	0.39	0.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	3	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.39	0.08	0.77	0.16	1.1	0.23	1	0.21	0.87	0.18	1	0.21	0.73	0.15	0.32 J	0.065 J	0.14 J	0.029 J
1,2-Dibromoethane (EDB)	0.61	0.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.56	0.08	0.15 J	0.022 J	0.12 J	0.017 J	0.17 J	0.024 J	0.11 J	0.015 J	ND	ND	0.17 J	0.025 J	0.17 J	J	ND	ND
1,2-Dichlorobenzene	0.48	0.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.32	0.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.37	0.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.39	0.08	0.25 J	0.052 J	0.41	0.083	0.32 J	0.066 J	0.32	0.066	0.34	0.069	0.22 J	0.044 J	ND	ND	ND	ND
1,3-Dichlorobenzene	0.48	0.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.48	0.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-Methylnaphthalene	5.8	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	0.93	0.2	0.26 J	0.055 J	0.61 J	0.13 J	0.5 J	0.11 J	0.24 J	0.052 J	0.31 J	0.066 J	0.35 J	0.074 J	0.8 J	0.17 J	0.13 J	0.027 J
2,3-dimethylheptane	TIC	TIC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3-dimethylpentane	TIC	TIC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylbutane	0.59	0.2	9.2	3.1	10	3.4	7.2	2.4	6.9	2.3	5.4	1.8	12	4.1	9	3	2.4	0.82
2-Methylnaphthalene	5.8	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	0.26	0.08	1.5	0.46	1.7	0.54	1.4	0.45	1.1	0.35	1.1	0.35	1.6	0.49	1.6	0.5	0.68	0.21
Bromomethane	0.31	0.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
butylcyclohexane	TIC	TIC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.5	0.08	0.66	0.11	0.68	0.11	0.59	0.094	0.51	0.081	0.47 J	0.075 J	0.66	0.11	0.62	0.099	0.52	0.082
Chlorobenzene	0.37	0.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	0.21	0.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	0.39	0.08	0.12 J	0.025	0.14 J	0.029 J	0.14 J	0.028 J	0.081 J	0.017 J	0.087 J	0.018 J	0.12 J	0.025 J	0.11 J	0.023 J	ND	ND
Chloromethane	0.41	0.2	1.6	0.78	0.9	0.44	0.9	0.44	1.1	0.51	0.94	0.46	1.5	0.75	0.81	0.39	1.2	0.56
cis-1,2-Dichloroethene	0.32	0.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.36	0.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cumene	0.79	0.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.4	0.08	2.8	0.56	2.6	0.53	2.5	0.51	2.1	0.43	2.1	0.42	3	0.61	2.8	0.57	2.7	0.54
Ethylbenzene	0.35	0.08	1	0.23	1.4	0.32 J	1.1 J	0.25 J	1.1 J	0.26	0.89	0.2 J	0.87 J	0.2 J	0.57 J	0.13 J	0.28 J	0.065 J
Hexachlorobutadiene	0.85	0.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indane	0.39	0.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indene	0.76	0.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	0.58	0.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	0.69	0.2	2.4	0.68	2.1	0.61 J	1.9 J	0.54 J	1.6 J	0.46	2.2	0.63	2.7	0.78	2.8	0.8	0.82	0.24
m-Xylene & p-Xylene	0.35	0.08	3	0.69	4.4	1	3.4	0.78	3	0.69	2.8	0.64	2.5	0.57	1.4	0.32	0.63	0.15
Naphthalene	0.84	0.16	0.38 J	0.073 J	ND	ND	0.3 J	0.058 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butane	0.38	0.16	17	7.2	15	6.5	9.6	4	17	7.2	13	5.4	23	9.7	13	5.6	5.3	2.2
n-Decane	2.3	0.4	1.9 J	0.33 J	3.2	0.55	2.7	0.47	0.93 J	0.16 J	1.6 J	0.27 J	1.3 J	0.23 J	0.73 J	0.12 J	ND	ND
n-Dodecane	2.8	0.4	0.39 J	0.056 J	0.52 J	0.075 J	1.2 J	0.18 J	ND	ND	0.64 J	0.093 J	ND	ND	0.28 J	0.041 J	ND	ND
n-Heptane	0.82	0.2	1.4	0.34	1.3	0.32	1.3	0.32	1.5	0.37	1.4	0.34	1.9	0.46	1.3	0.33	0.26 J	0.063 J
n-Hexane	0.7	0.2	2.8	0.79	3.3	0.94	2.7	0.76	2.6	0.75	3	0.84	3.8	1.1	3.6	1	0.48 J	0.14 J
n-Octane	0.75	0.16	0.65 J	0.14 J	0.79	0.17	0.7 J	0.15 J	0.66 J	0.14 J	0.64	0.14	0.96	0.21	0.49	0.1	0.12	0.026
Nonane	0.84	0.16	0.77 J	0.15 J	1.2	0.22	1.1	0.2	0.82 J	0.16 J	0.81 J	0.16 J	0.91	0.17	0.41 J	0.078 J	ND	ND
n-Undecane	2.6	0.4	1.5 J	0.24 J	4.8	0.75	4.8	0.75	0.42 J	0.066 J	2.9	0.45	0.47 J	0.073 J	1.1 J	0.17 J	ND	ND
o-Xylene	0.35	0.08	1.1	0.24	1.4	0.33	1.1	0.25	0.94	0.22	0.92	0.21	0.78	0.18	0.49	0.11	0.24 J	0.055 J
Pentane	0.94	0.32	6.5	2.2	7.8	2.7	6	2	5.1	1.7	5	1.7	8.6	2.9	8	2.7	1.2	0.41
Styrene	0.34	0.08	ND	ND	0.23 J	0.055 J	0.14 J	0.032 J	0.17 J	0.039 J	0.14 J	0.032 J	0.15 J	0.035 J	ND	ND	ND	ND
Tetrachloroethene	0.54	0.08	2.3	0.34	2.6	0.38	1.9	0.28	2	0.3	1.2	0.18	1.6	0.24	13	1.9	0.89	0.13
Thiophene	0.28	0.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	0.3	0.08	2.1	0.57	4.2	1.1	3.3	0.87	1.8	0.48	2.1	0.56	2.1	0.55	2.3	0.6	0.56	0.15
trans-1,3-Dichloropropene	0.36	0.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	0.21	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	0.45	0.08	1.8	0.33	1.8	0.31	1.6	0.29	1.1	0.2	1.1	0.2	1.9	0.34	1.8	0.32	1.3	0.24
Vinyl chloride	0.2	0.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

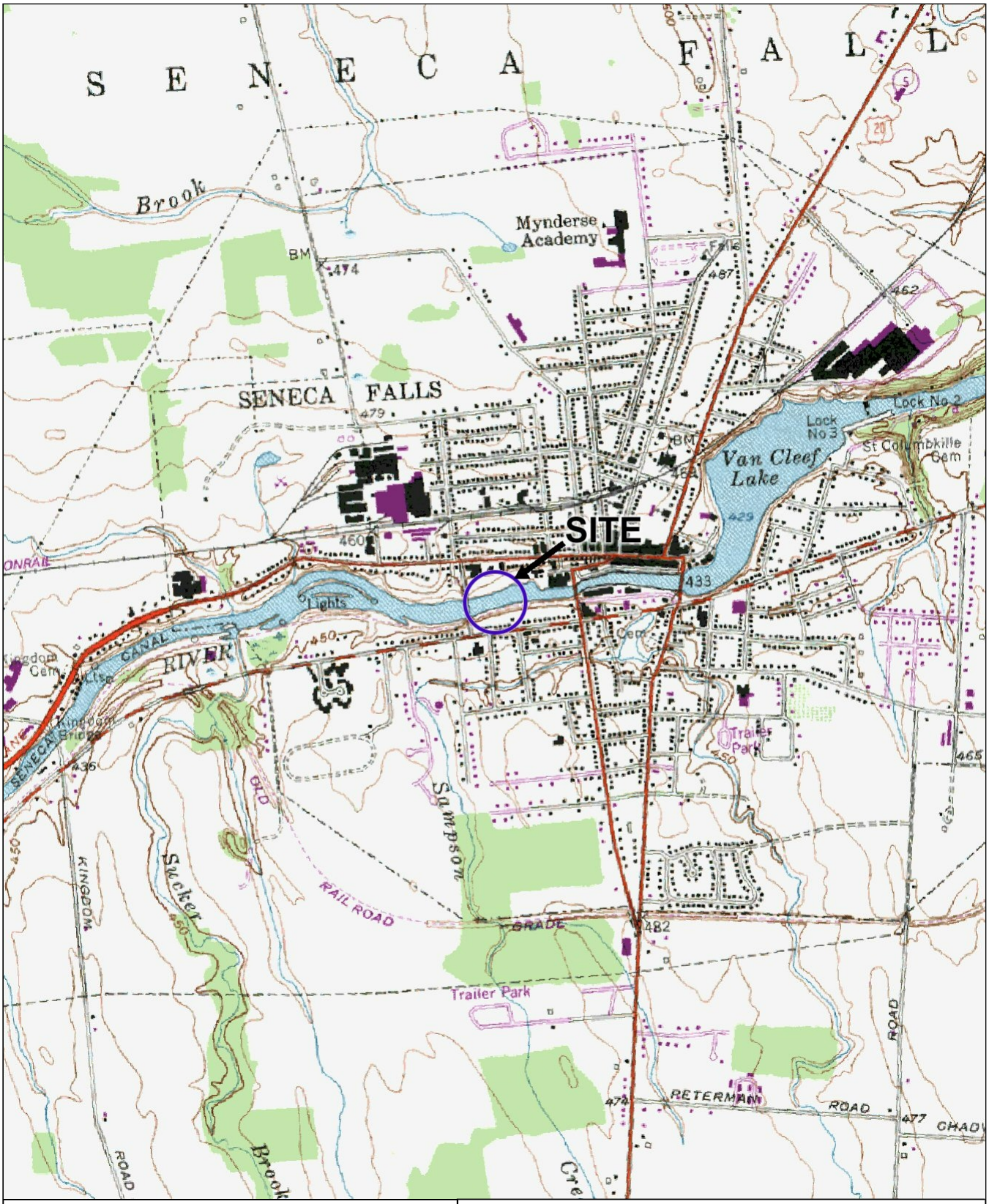
Notes and Abbreviations:

ND: Not Detected above the Reporting Limit
J: Estimated Value
TIC: Tentatively Identified Compound
SS: Sub-Slab Sample
OA: Outdoor Ambient Air Sample
INA: Indoor Air Sample

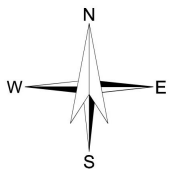
TABLE 4-1
POTENTIAL EXPOSURE PATHWAYS SUMMARY
REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE
SENECA FALLS, NEW YORK

Media		Surface Soil						Subsurface Soil				Sediment				Groundwater			
Exposure		Dermal Contact		Ingestion		Inhalation		Dermal Contact		Ingestion		Dermal Contact		Ingestion		Dermal Contact		Ingestion	
Period		Current	Future	Current	Future	Current	Future	Current	Future	Current	Future	Current	Future	Current	Future	Current	Future	Current	Future
Location	Receptor																		
On-Site (upland portion)	NYSEG Employee	No	No	No	No	No	No	No	No	No	No	n/a	n/a	n/a	n/a	No	No	No	No
	Construction Worker	No	**Yes**	No	**Yes**	No	**Yes**	No	**Yes**	No	**Yes**	n/a	n/a	n/a	n/a	No	No	No	No
	Utility Worker	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	n/a	n/a	n/a	n/a	No	No	No	No
On-Site (lowland portion)	Trespasser	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	No	No	No	No	n/a	n/a	n/a	n/a	No	No	No	No
	NYSEG Employee	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	No	No	No	No	n/a	n/a	n/a	n/a	No	No	No	No
	Construction Worker	No	**Yes**	No	**Yes**	No	**Yes**	No	**Yes**	No	**Yes**	n/a	n/a	n/a	n/a	No	No	No	No
	Utility Worker	No	**Yes**	No	**Yes**	No	**Yes**	No	**Yes**	No	**Yes**	n/a	n/a	n/a	n/a	No	No	No	No
Off-Site (181-183 and 185 Fall Street)	Resident	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	n/a	n/a	n/a	n/a	No	No	No	No
	Construction Worker	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	n/a	n/a	n/a	n/a	No	No	No	No
Off-Site (193 Fall Street, Sunoco Property, lowland portion)	Sunoco Employee	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	No	No	No	No	n/a	n/a	n/a	n/a	No	No	No	No
	Construction Worker	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	No	No	No	No	n/a	n/a	n/a	n/a	No	No	No	No
Seneca River and Canal	Trespasser	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**Yes**	**Yes**	**Yes**	**Yes**	n/a	n/a	n/a	n/a
	Boater	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**Yes**	**Yes**	**Yes**	**Yes**	n/a	n/a	n/a	n/a

Note:
1. "n/a" = not applicable.



SITE COORDINATES:42°54'40"N 76°48'17"W





U.S.G.S. QUADRANGLE: SENECA FALLS, NY

HALEY & ALDRICH

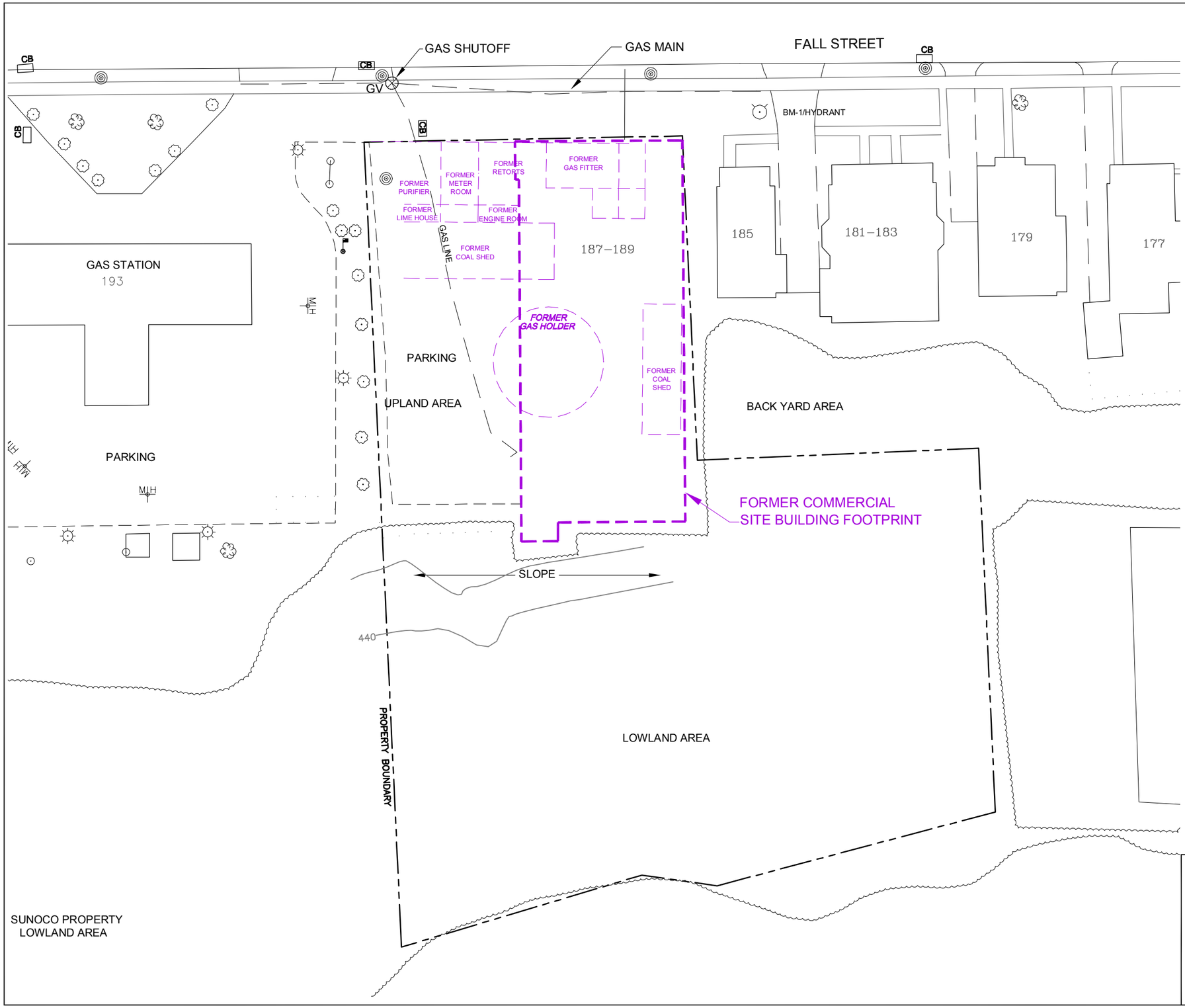
SENECA FALLS FORMER MGP
187 FALL STREET
SENACA FALLS, NEW YORK

PROJECT LOCUS

SCALE: 1:24,000
APRIL 2013

FIGURE 1

34507-972 1.PDF



NOTE:

1. BASE PLAN ADAPTED FROM DRAWING TITLED "SENECA FALLS FORMER MGP SITE, VILLAGE OF SENECA FALLS, SENECA COUNTY, NEW YORK," RECEIVED IN ELECTRONIC FORMAT (SENFMGP.DWG) FROM NYSEG ON 18 MAY 2007.

HALEY & ALDRICH

SENECA FALLS FORMER MGP
187 FALL STREET
SENECA FALLS, NEW YORK

SITE PLAN AND HISTORICAL MGP STRUCTURES

SCALE: AS SHOWN
APRIL 2013

FIGURE 2

G:\34507_SENECA_FALLS\GLOBAL\CAD\DRAWINGS\34507-019-005B_HIST PLANS.DWG



LEGEND:

- SEDIMENT EXPLORATION LOCATION (AUGUST 2009)
- SB-07-09 — SOIL BORING (2007 AND 2008)
- MW-07-06/ SB07-06 — GROUNDWATER MONITORING WELL (2007 AND 2008)
- SV-07-02-SS — SOIL VAPOR MONITORING POINT (2008)
- TP-07-07 — TEST PIT (2007)
- STREAM GAUGE
- SS-07-03 — SURFACE SOIL SAMPLE LOCATION (2007 AND 2009)
- HAND AUGER LOCATION
- SS20204 — HISTORIC SURFACE SOIL SAMPLING LOCATION (2003)
- SS-2 (15X10) — HISTORIC SOIL SAMPLING AREA (1990)
- SW-2 / SE-2 — HISTORIC SURFACE WATER / SEDIMENT SAMPLING LOCATION (1990)

NOTES:

1. BASE PLAN PREPARED BY NYSEG ENGINEERING SERVICES OF BIRMINGHAM, NEW YORK, 12/4/2007.
2. SEDIMENT EXPLORATION LOCATION SE-09-19 WAS NOT COMPLETED.

N W E S

0 50 100 150 200

SCALE IN FEET

HALEY & ALDRICH

SENECA FALLS FORMER MGP
197 FALL STREET
SENECA FALLS, NEW YORK

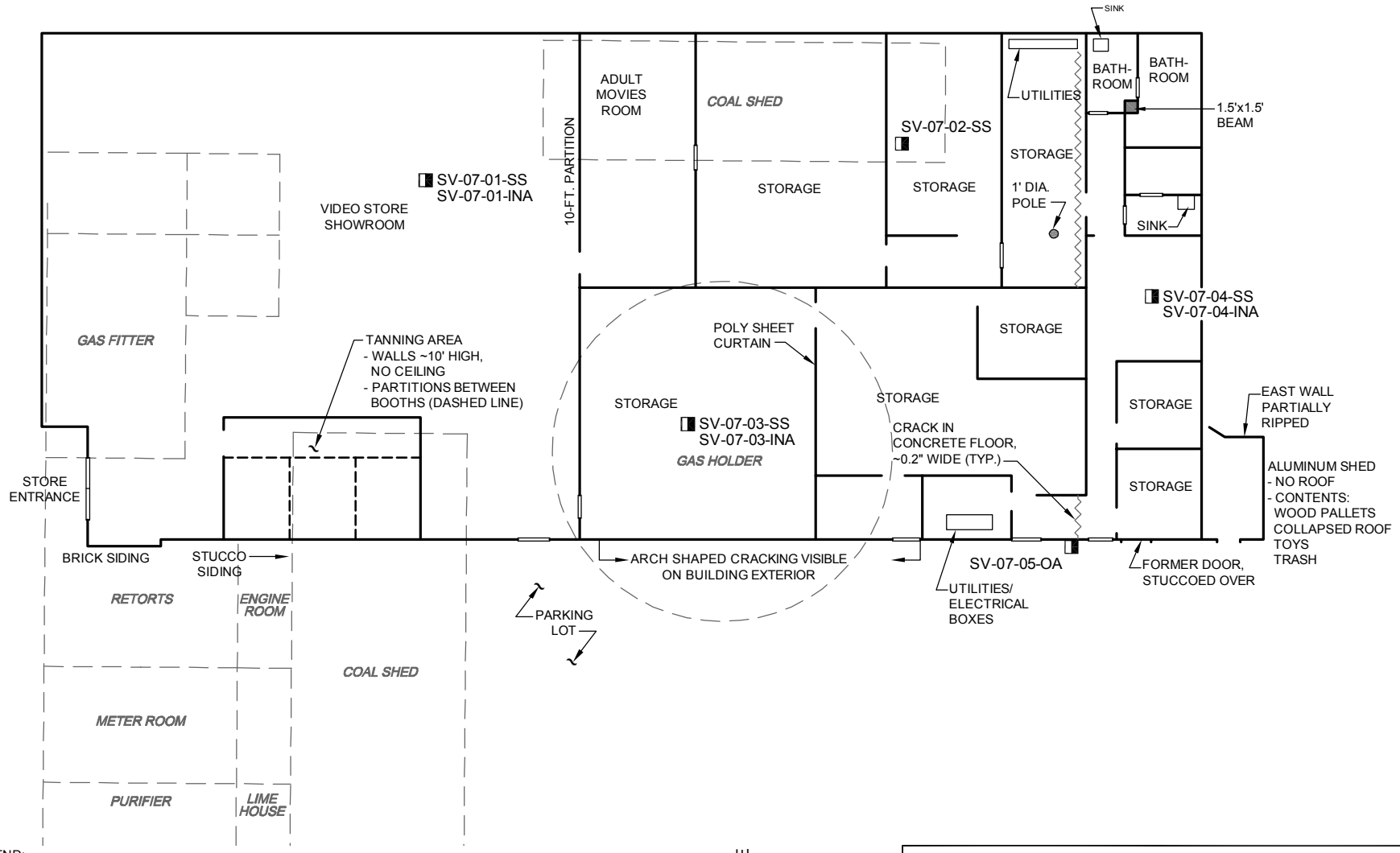
EXPLORATION LOCATION PLAN

SCALE: AS SHOWN
APRIL 2013

FIGURE 3

G:\34507_SENECA_FALLS\GLOBAL\CAD\DRAWINGS-2013\34507-020-0003_EXPL PLAN.DWG

G:\34507_SENECA_FALLS\GLOBAL\CAD\DRAWINGS\34507-019-003B_BLDG-SV LOCS.DWG



LEGEND:

INDICATES HISTORIC MGP STRUCTURES DEMOLISHED

SV-07-04-SS / SV-07-04-INA — MONITORING POINT

NOTES:

1. LOCATIONS OF FORMER MGP SITE TAKEN FROM ELECTRONIC FILE SENFMGP.DWG TITLED "SENECA FALLS FORMER MGP SITE VILLAGE OF SENECA FALLS SENECA COUNTY, NEW YORK" RECEIVED ON 18 MAY 2007.
2. THE COMMERCIAL BUILDING PREVIOUSLY OCCUPIED BY PICK-A-FLICK VIDEO WAS DEMOLISHED DURING SUMMER 2009.
3. SS = SUBSLAB SAMPLE
4. INA = INDOOR AIR SAMPLE
5. OA = OUTDOOR AMBIENT AIR SAMPLE

N E S W

0 10 20

APPROXIMATE SCALE IN FEET

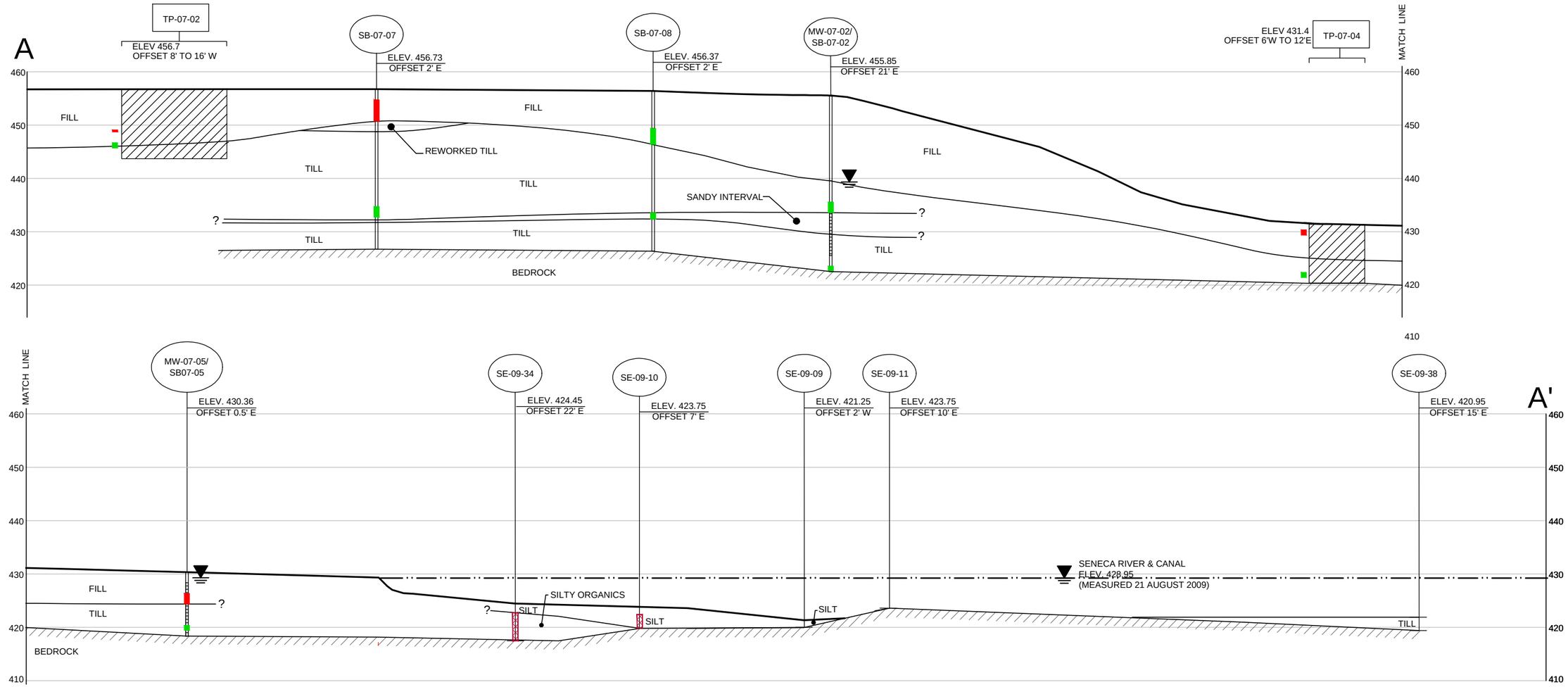
HALEY & ALDRICH

SENECA FALLS FORMER MGP
187 FALL STREET
SENECA FALLS, NEW YORK

FORMER BUILDING LAYOUT AND SOIL VAPOR INTRUSION INVESTIGATION LOCATIONS

SCALE: AS SHOWN
APRIL 2013

FIGURE 4



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LEGEND:

- SB-07 -09 — SUBSURFACE EXPLORATION LOCATION
- OFFSET 4.5' W — OFFSET DISTANCE FROM SECTION LINE
- CHANGE IN STRATIFICATION
- GROUNDWATER ELEVATION MEASURED 21 AUGUST 2009 BY HALEY & ALDRICH, INC.
- SCREENED LENGTH
- INDICATES SOIL ANALYTICAL RESULTS EXCEED NYSDEC PART 375 RESTRICTED COMMERCIAL SOIL CLEANUP OBJECTIVES (SCOs)
- INDICATES SOIL ANALYTICAL RESULTS DO NOT EXCEED NYSDEC PART 375 RESTRICTED COMMERCIAL SCOs
- TAR-LIKE MATERIAL OBSERVED

NOTES:

1. REFER TO FIGURE 3 FOR LOCATION AND ORIENTATION OF SUBSURFACE PROFILES SHOWN ON FIGURES 5A THROUGH 5D.
2. LINES REPRESENTING CHANGES IN STRATA AREA BASED UPON INTERPOLATION BETWEEN PREVIOUS SUBSURFACE EXPLORATIONS AND MAY NOT REPRESENT ACTUAL FIELD CONDITIONS AT OTHER THAN SPECIFIC EXPLORATION LOCATIONS.
3. THE STRATIFICATION LINES SHOWN ON THE GRAPHIC REPRESENTATION OF THE TEST BORINGS REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL OR ROCK TYPES. THE TRANSITION BETWEEN MATERIAL IS APPROXIMATE AND MAY BE GRADUAL.
4. THIS PROFILE WAS DEVELOPED BY INTERPOLATION BETWEEN WIDELY SPACED BORINGS. ONLY AT THE BORING LOCATIONS SHOULD IT BE CONSIDERED AS AN APPROXIMATELY ACCURATE REPRESENTATION AND THEN ONLY TO THE DEGREE IMPLIED BY THE NOTES ON THE BORING LOGS.

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HORIZONTAL AND VERTICAL SCALE IN FEET

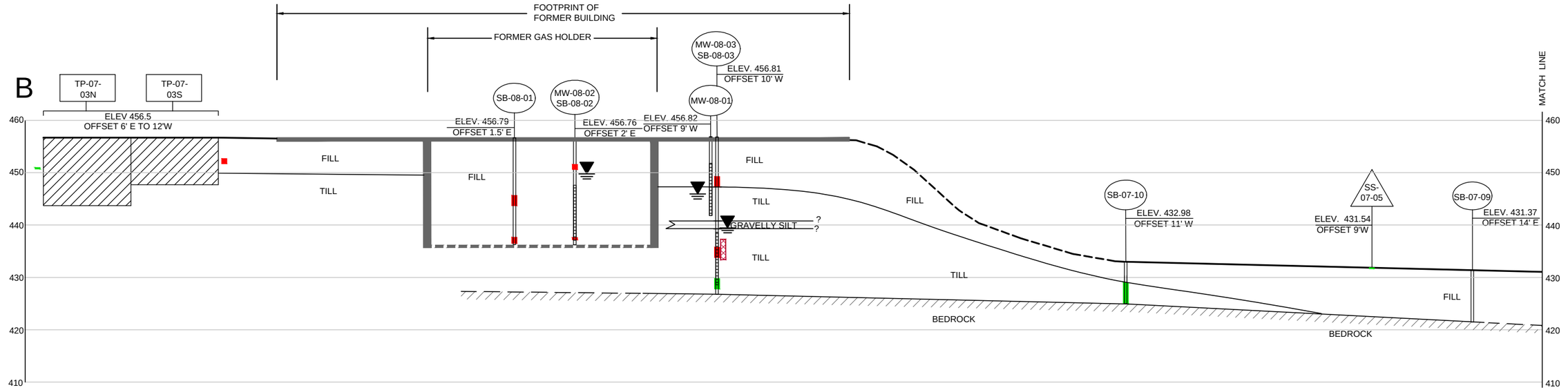
HALEY & ALDRICH

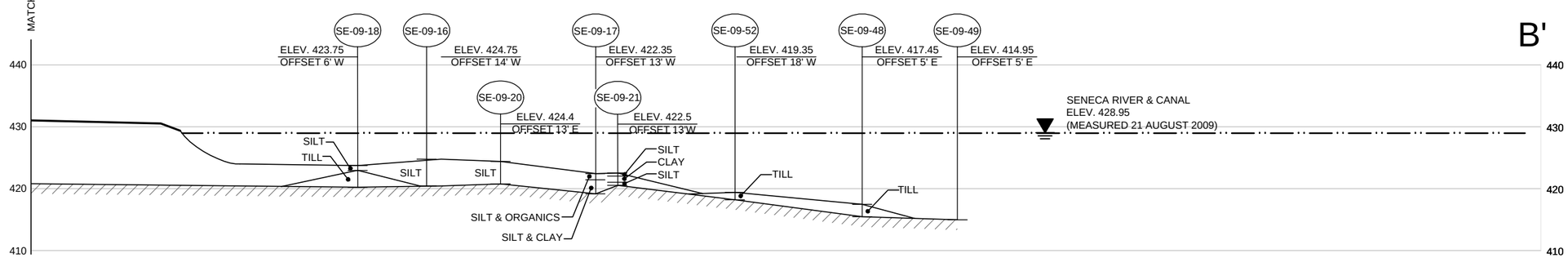
SENECA FALLS FORMER MGP
187 FALL STREET
SENECA FALLS, NEW YORK

SUBSURFACE PROFILE A-A'

SCALE: AS SHOWN
APRIL 2013

FIGURE 5A





LEGEND:

- SB-07-09 — SUBSURFACE EXPLORATION LOCATION
- OFFSET 4.5' W — OFFSET DISTANCE FROM SECTION LINE
- CHANGE IN STRATIFICATION
- WATER ELEVATION MEASURED 21 AUGUST 2009 BY HALEY & ALDRICH, INC.
- SCREENED LENGTH
- INDICATES SOIL ANALYTICAL RESULTS EXCEED NYSDEC PART 375 RESTRICTED COMMERCIAL SOIL CLEANUP OBJECTIVES (SCOs)
- INDICATES SOIL ANALYTICAL RESULTS DO NOT EXCEED NYSDEC PART 375 RESTRICTED COMMERCIAL SCOs
- TAR-LIKE MATERIAL OBSERVED

NOTES:

1. REFER TO FIGURE 3 FOR LOCATION AND ORIENTATION OF SUBSURFACE PROFILES SHOWN ON FIGURES 5A THROUGH 5D.
2. LINES REPRESENTING CHANGES IN STRATA AREA BASED UPON INTERPOLATION BETWEEN PREVIOUS SUBSURFACE EXPLORATIONS AND MAY NOT REPRESENT ACTUAL FIELD CONDITIONS AT OTHER THAN SPECIFIC EXPLORATION LOCATIONS.
3. THE STRATIFICATION LINES SHOWN ON THE GRAPHIC REPRESENTATION OF THE TEST BORINGS REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL OR ROCK TYPES. THE TRANSITION BETWEEN MATERIAL IS APPROXIMATE AND MAY BE GRADUAL.
4. THIS PROFILE WAS DEVELOPED BY INTERPOLATION BETWEEN WIDELY SPACED BORINGS. ONLY AT THE BORING LOCATIONS SHOULD IT BE CONSIDERED AS AN APPROXIMATELY ACCURATE REPRESENTATION AND THEN ONLY TO THE DEGREE IMPLIED BY THE NOTES ON THE BORING LOGS.

0 20 40
HORIZONTAL AND VERTICAL SCALE IN FEET

HALEY & ALDRICH

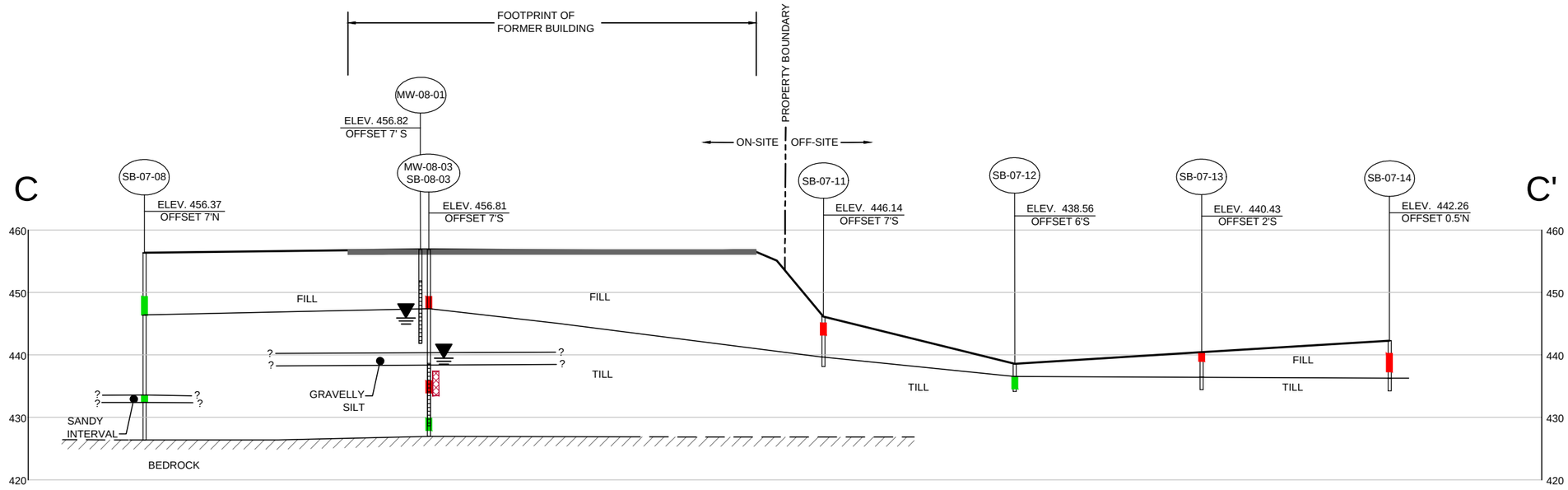
SENECA FALLS FORMER MGP
187 FALL STREET
SENECA FALLS, NEW YORK

SUBSURFACE PROFILE B-B'

SCALE: AS SHOWN
APRIL 2013

FIGURE 5B

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LEGEND:

- SB-07-09 — SUBSURFACE EXPLORATION LOCATION
- OFFSET 4.5' W — OFFSET DISTANCE FROM SECTION LINE
- CHANGE IN STRATIFICATION
- WATER ELEVATION MEASURED 21 AUGUST 2009 BY HALEY & ALDRICH, INC.
- SCREENED LENGTH
- INDICATES SOIL ANALYTICAL RESULTS EXCEED NYSDEC PART 375 RESTRICTED COMMERCIAL SOIL CLEANUP OBJECTIVES (SCOs)
- INDICATES SOIL ANALYTICAL RESULTS DO NOT EXCEED NYSDEC PART 375 RESTRICTED COMMERCIAL SCOs
- TAR-LIKE MATERIAL OBSERVED

NOTES:

1. REFER TO FIGURE 3 FOR LOCATION AND ORIENTATION OF SUBSURFACE PROFILES SHOWN ON FIGURES 5A THROUGH 5D.
2. LINES REPRESENTING CHANGES IN STRATA AREA BASED UPON INTERPOLATION BETWEEN PREVIOUS SUBSURFACE EXPLORATIONS AND MAY NOT REPRESENT ACTUAL FIELD CONDITIONS AT LOCATIONS OTHER THAN SPECIFIC EXPLORATION LOCATIONS.
3. THE STRATIFICATION LINES SHOWN ON THE GRAPHIC REPRESENTATION OF THE TEST BORINGS REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL OR ROCK TYPES. THE TRANSITION BETWEEN MATERIAL IS APPROXIMATE AND MAY BE GRADUAL.
4. THIS PROFILE WAS DEVELOPED BY INTERPOLATION BETWEEN WIDELY SPACED BORINGS. ONLY AT THE BORING LOCATIONS SHOULD IT BE CONSIDERED AS AN APPROXIMATELY ACCURATE REPRESENTATION AND THEN ONLY TO THE DEGREE IMPLIED BY THE NOTES ON THE BORING LOGS.

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HORIZONTAL AND VERTICAL SCALE IN FEET

HALEY & ALDRICH

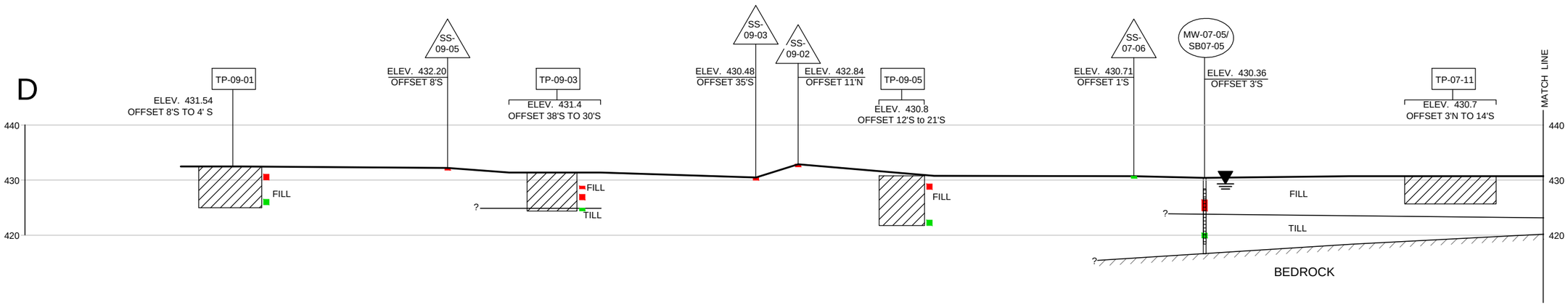
SENECA FALLS FORMER MGP
187 FALL STREET
SENECA FALLS, NEW YORK

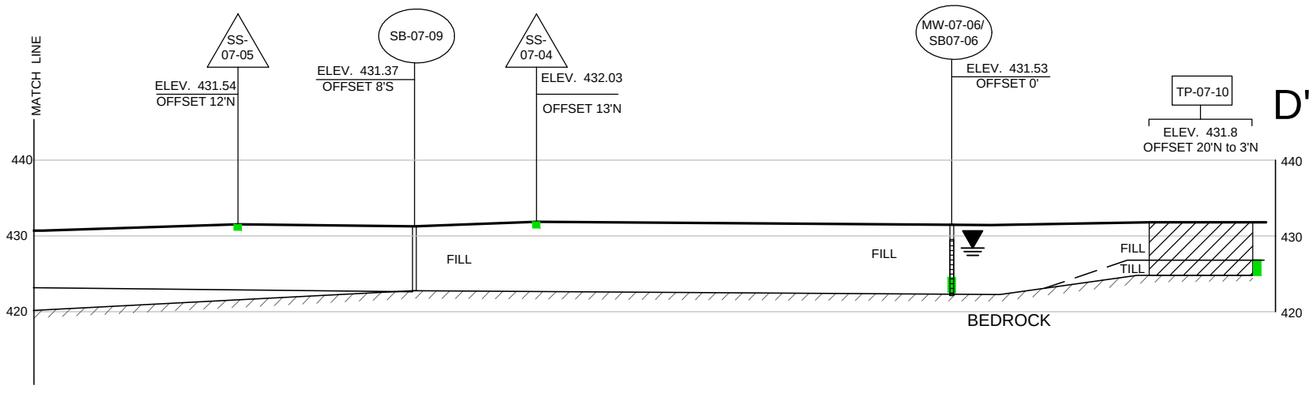
SUBSURFACE PROFILE C-C'

SCALE: AS SHOWN
APRIL 2013

FIGURE 5C

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LEGEND:

SB-07-09 — SUBSURFACE EXPLORATION LOCATION

OFFSET 4.5' W — OFFSET DISTANCE FROM SECTION LINE

CHANGE IN STRATIFICATION

WATER ELEVATION MEASURED 21 AUGUST 2009 BY HALEY & ALDRICH, INC.

SCREENED LENGTH

INDICATES SOIL ANALYTICAL RESULTS EXCEED NYSDEC PART 375 RESTRICTED COMMERCIAL SOIL CLEANUP OBJECTIVES (SCOs)

INDICATES SOIL ANALYTICAL RESULTS DO NOT EXCEED NYSDEC PART 375 RESTRICTED COMMERCIAL SCOs

TAR-LIKE MATERIAL OBSERVED

NOTES:

1. REFER TO FIGURE 3 FOR LOCATION AND ORIENTATION OF SUBSURFACE PROFILES SHOWN ON FIGURES 5A THROUGH 5D.
2. LINES REPRESENTING CHANGES IN STRATA AREA BASED UPON INTERPOLATION BETWEEN PREVIOUS SUBSURFACE EXPLORATIONS AND MAY NOT REPRESENT ACTUAL FIELD CONDITIONS AT LOCATIONS OTHER THAN SPECIFIC EXPLORATION LOCATIONS.
3. THE STRATIFICATION LINES SHOWN ON THE GRAPHIC REPRESENTATION OF THE TEST BORINGS REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL OR ROCK TYPES. THE TRANSITION BETWEEN MATERIAL IS APPROXIMATE AND MAY BE GRADUAL.
4. THIS PROFILE WAS DEVELOPED BY INTERPOLATION BETWEEN WIDELY SPACED BORINGS. ONLY AT THE BORING LOCATIONS SHOULD IT BE CONSIDERED AS AN APPROXIMATELY ACCURATE REPRESENTATION AND THEN ONLY TO THE DEGREE IMPLIED BY THE NOTES ON THE BORING LOGS.

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HORIZONTAL AND VERTICAL SCALE IN FEET

HALEY & ALDRICH

SENECA FALLS FORMER MGP
187 FALL STREET
SENECA FALLS, NEW YORK

SUBSURFACE PROFILE D-D'

SCALE: AS SHOWN
APRIL 2013

FIGURE 5D

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GAS SHUTOFF
GAS MAIN
FALL STREET
CB
GV
BM-1/HYDRANT
FORMER COMMERCIAL SITE BUILDING FOOTPRINT
TP-07-03N
TP-07-02
GAS LINE
TP-07-03S
187–189
185
181–183
MW-07-04
440.80
SB-07-07
TP-07-01
SS20201
SS20202
SB-07-20
SB-07-21
SB-07-22
SB-07-18
SS20204
SS-07-01
SS-07-02
PARKING
SB-08-01
MW-08-02*
SB-08-02
SB-07-15
SB-07-16
SB-07-17
SB-07-19
BACK YARKD AREA
SB-07-14
SB-07-08
MW-08-01*
SB-07-12
SB-07-13
SB-07-11
MW-08-03
SB-08-03
MW-07-02/
SB07-02
441.53
GTL-3
SS-07-03
SLOPE
TP-07-07
MW-07-03/
432.86
SB07-03
TP-07-06
CTL-5
SS-1
(30X12)
SS-2
(15X10)
SB-07-10
TP-07-10
TP-07-05
TP-07-04
LOWLAND AREA
SS-07-04
SS-07-05
MW-07-06/
SB07-06
429.61
TP-07-09
SB-07-09
TP-07-08
TP-07-11
PROPERTY BOUNDARY
MW-07-05/
SB07-05
429.74
CTL-4
SS-3
(15X10)
SW-2
SE-2
SW-3
SE-3
440
438
436
434
432
430

DECEMBER 2007

SENECA RIVER & CANAL
(APPROXIMATE ELEVATION 428.30)

GAS SHUTOFF
GAS MAIN
FALL STREET
CB
GV
BM-1/HYDRANT
FORMER COMMERCIAL SITE BUILDING FOOTPRINT
TP-07-03N
TP-07-02
GAS LINE
TP-07-03S
187–189
185
181–183
MW-07-04
440.84
SB-07-07
TP-07-01
SS20201
SS20202
SB-07-20
SB-07-21
SB-07-22
SB-07-18
SS20204
SS-07-01
SS-07-02
PARKING
SB-08-01
MW-08-02*
SB-08-02
450.14
SB-07-15
SB-07-16
SB-07-17
SB-07-19
BACK YARKD AREA
SB-07-14
SB-07-08
MW-08-01*
447.85
SB-07-12
SB-07-13
SB-07-11
MW-08-03
SB-08-03
441.30
MW-07-02/
SB07-02
441.45
GTL-3
SS-07-03
SLOPE
TP-07-07
MW-07-03/
432.67
SB07-03
TP-07-06
CTL-5
SS-1
(30X12)
SS-2
(15X10)
SB-07-10
TP-07-10
TP-07-05
TP-07-04
LOWLAND AREA
SS-07-04
SS-07-05
MW-07-06/
SB07-06
429.58
TP-07-09
SB-07-09
TP-07-08
TP-07-11
PROPERTY BOUNDARY
MW-07-05/
SB07-05
429.47
CTL-4
SS-3
(15X10)
SW-2
SE-2
440
438
436
434
432
430

MARCH 2008

SENECA RIVER & CANAL
(APPROXIMATE ELEVATION 428.30)

LEGEND:

- 429.61 — GROUNDWATER ELEVATION (FT.) MEASURED ON 11 DECEMBER 2007 OR 31 MARCH 2008
- 430 — INTERPRETED GROUNDWATER ELEVATION CONTOUR (FT.) BASED DECEMBER 2007 OR MARCH 2008 GROUNDWATER MEASUREMENTS
- SB-07-09 — SOIL BORING (2007 AND 2008)
- MW-07-06/ SB07-06 — GROUNDWATER MONITORING WELL (2007 AND 2008)
- TP-07-07 — TEST PIT (2007)
- SS-07-03 — SURFACE SOIL SAMPLE LOCATION (2007)
- SS20204 — HISTORIC SURFACE SOIL SAMPLING LOCATION (2003)
- SS-2 (15X10) — HISTORIC SOIL SAMPLING AREA (1990)
- SW-2 / SE-2 — HISTORIC SURFACE WATER / SEDIMENT SAMPLING LOCATION (1990)

NOTES:
1. PERCHED GROUNDWATER ELEVATIONS FROM MW-08-01 AND MW-08-02 WERE NOT INCLUDED IN THE CONTOURING.

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SCALE IN FEET

HALEY & ALDRICH

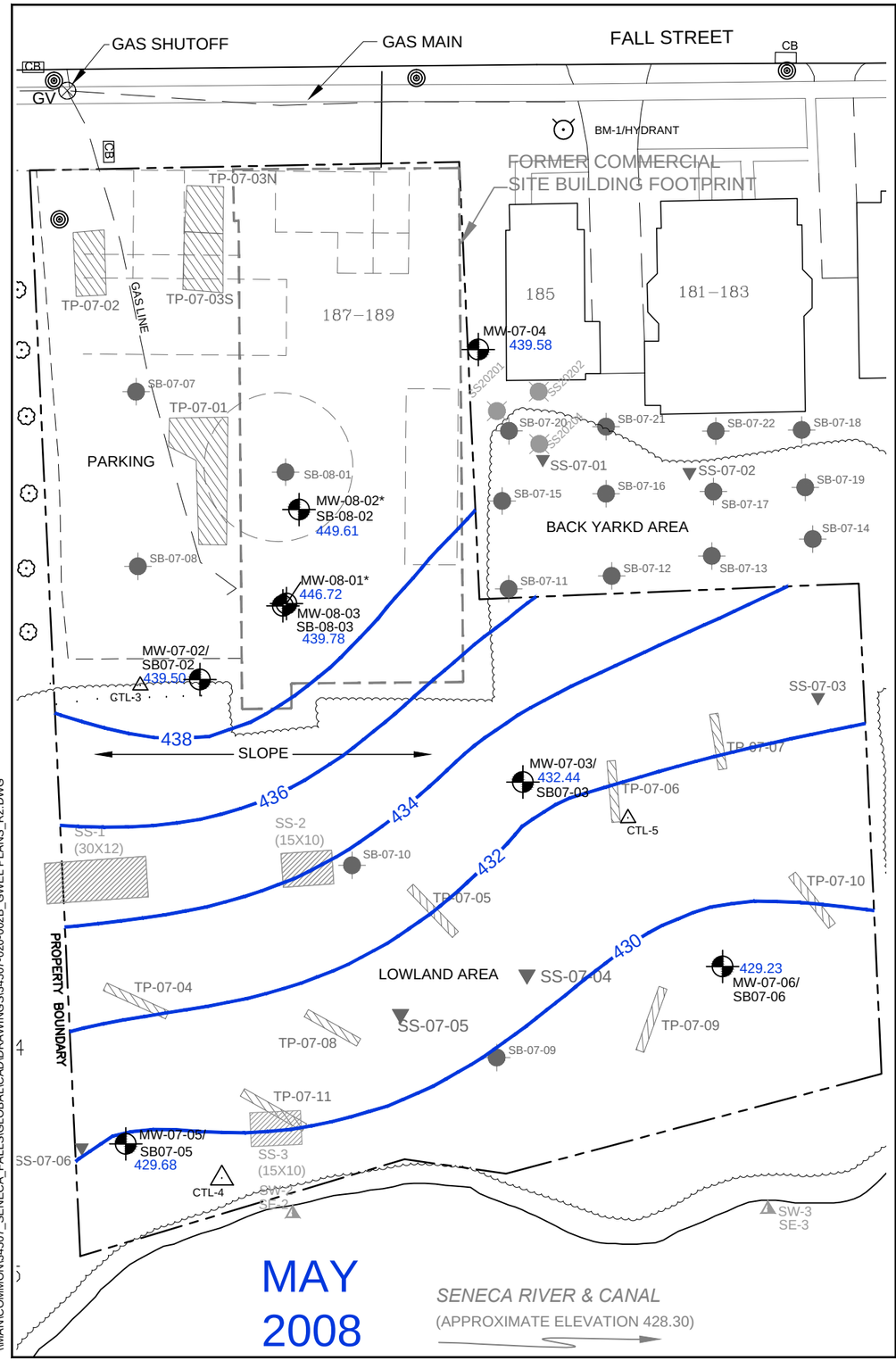
SENECA FALLS FORMER MGP
187 FALL STREET
SENECA FALLS, NEW YORK

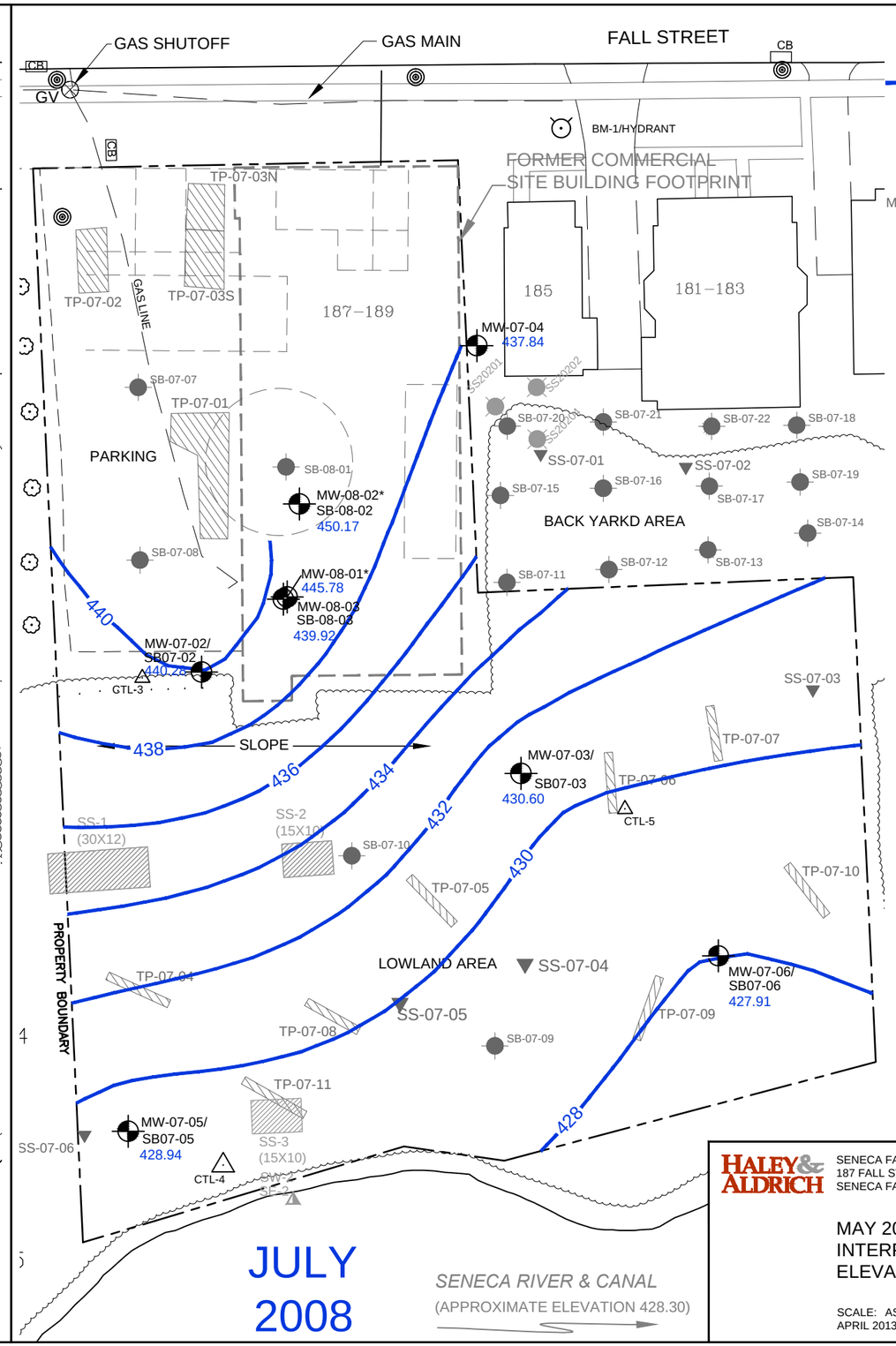
DECEMBER 2007 AND MARCH 2008
INTERPRETED GROUNDWATER
ELEVATION CONTOURS

SCALE: AS SHOWN
APRIL 2013

FIGURE 6

\\MANICOMMON\34507_SENECA_FALLS\GLOBAL\CAD\DRAWINGS\34507-020-002B_GWEL PLANS_R2.DWG





LEGEND:

- 429.23 — GROUNDWATER ELEVATION (FT.) MEASURED ON 14 MAY 2008 OR 1 JULY 2008
- 430 — INTERPRETED GROUNDWATER ELEVATION CONTOUR (FT.) BASED ON MAY OR JULY 2008 GROUNDWATER MEASUREMENTS
- SB-07-09 — SOIL BORING (2007 AND 2008)
- MW-07-06/ SB07-06 — GROUNDWATER MONITORING WELL (2007 AND 2008)
- TP-07-07 — TEST PIT (2007)
- SS-07-03 — SURFACE SOIL SAMPLE LOCATION (2007)
- SS20204 — HISTORIC SURFACE SOIL SAMPLING LOCATION (2003)
- SS-2 (15X10) — HISTORIC SOIL SAMPLING AREA (1990)
- SW-2 / SE-2 — HISTORIC SURFACE WATER / SEDIMENT SAMPLING LOCATION (1990)

NOTES:
1. PERCHED GROUNDWATER ELEVATIONS FROM MW-08-01 AND MW-08-02 WERE NOT INCLUDED IN THE CONTOURING.

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SCALE IN FEET

HALEY & ALDRICH

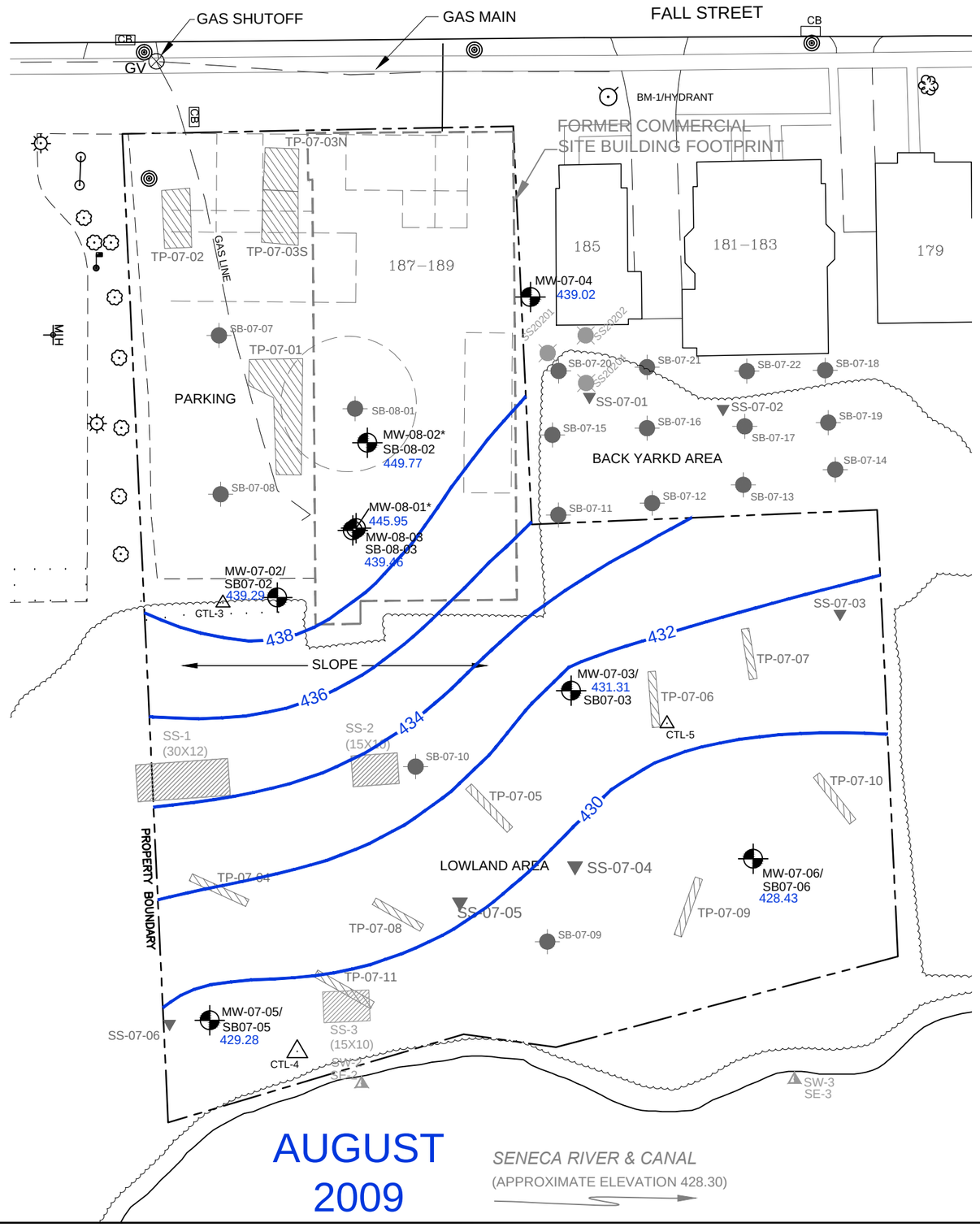
SENECA FALLS FORMER MGP
187 FALL STREET
SENECA FALLS, NEW YORK

MAY 2008 AND JULY 2008 INTERPRETED GROUNDWATER ELEVATION CONTOURS

SCALE: AS SHOWN
APRIL 2013

FIGURE 7

\\MANICOMMON\34507_SENECA_FALLS\GLOBAL\CAD\DRAWINGS\34507-020-002B_GWEL PLANS_R2.DWG



LEGEND:

429.23	GROUNDWATER ELEVATION (FT.) MEASURED ON 21 AUGUST 2009
430	INTERPRETED GROUNDWATER ELEVATION CONTOUR (FT.) BASED ON 21 AUGUST 2009 GROUNDWATER MEASUREMENTS
SB-07-09	SOIL BORING (2007 AND 2008)
MW-07-06/ SB07-06	GROUNDWATER MONITORING WELL (2007 AND 2008)
TP-07-07	TEST PIT (2007)
SS-07-03	SURFACE SOIL SAMPLE LOCATION (2007)
SS20204	HISTORIC SURFACE SOIL SAMPLING LOCATION (2003)
SS-2 (15X10)	HISTORIC SOIL SAMPLING AREA (1990)
SW-2 SE-2	HISTORIC SURFACE WATER / SEDIMENT SAMPLING LOCATION (1990)

NOTES:
1. PERCHED GROUNDWATER ELEVATIONS FROM MW-08-01 AND MW-08-02 WERE NOT INCLUDED IN THE CONTOURING.

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HALEY & ALDRICH

SENECA FALLS FORMER MGP
187 FALL STREET
SENECA FALLS, NEW YORK

AUGUST 2009
INTERPRETED GROUNDWATER ELEVATION CONTOURS

SCALE: AS SHOWN
APRIL 2013

FIGURE 8

\\MANICOMMON\34507_SENECA_FALLS\GLOBAL\CAD\DRAWINGS\34507-020-002B_GWEL PLANS_R2.DWG



LEGEND:

- MONITORING WELL/SOIL BORING
- TEST PIT
- SURFACE SOIL
- HAND AUGER

FIELD OBSERVATIONS:

- NO ODOR, STAINING, OR SHEEN
- ODOR, STAINING, OR MINOR SHEEN
- MINOR TLM/OLM BLEBS
- TLM/OLM PRESENT

NOTE:

1. EXPLORATORY LOCATIONS WERE INSTALLED BETWEEN SEPTEMBER 2007 AND AUGUST 2009 BY HALEY & ALDRICH.
2. NATURE AND DEGREE OF IMPACTS BASED ON PHYSICAL OBSERVATIONS DURING INSTALLATION.

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SCALE IN FEET

HALEY & ALDRICH

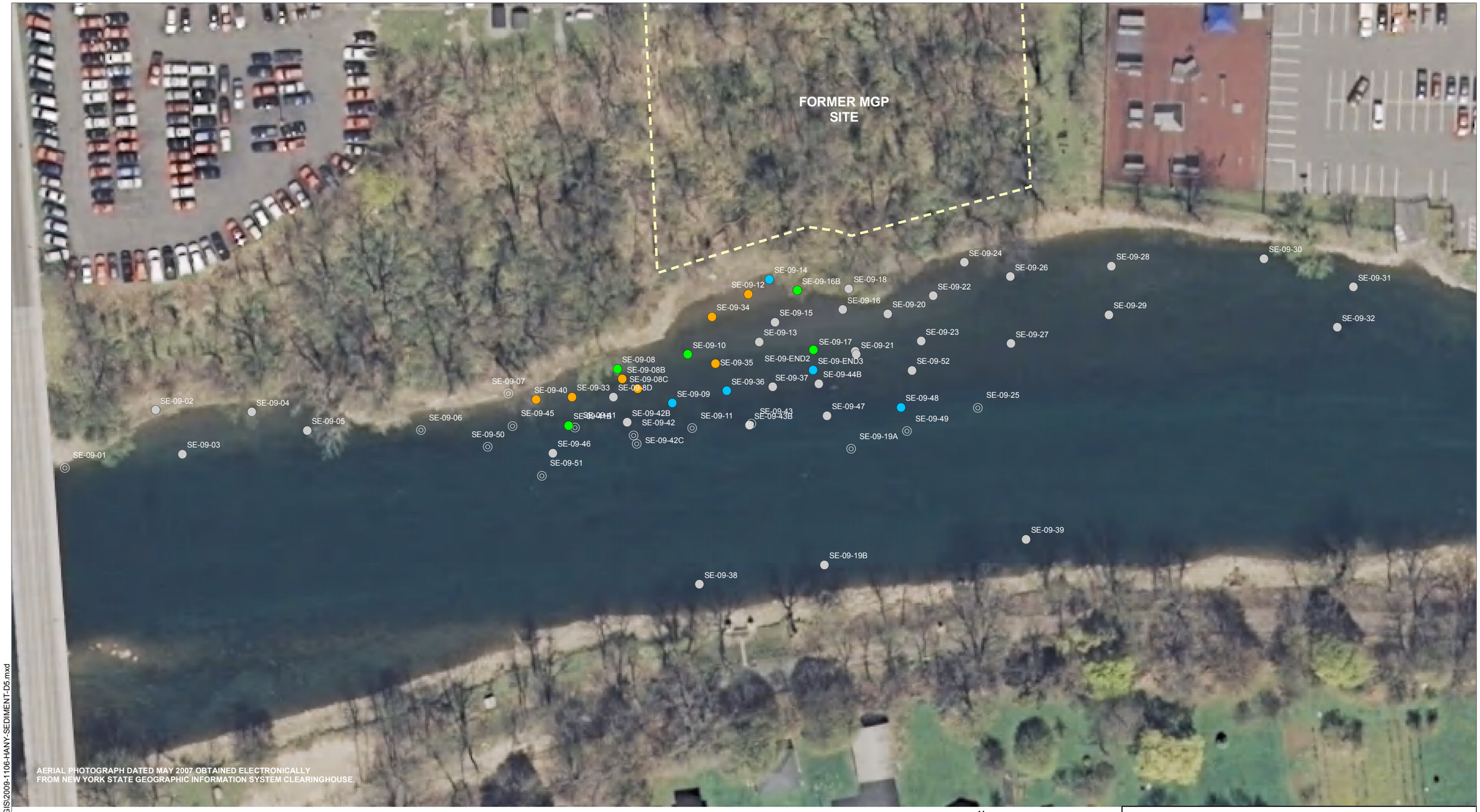
SENECA FALLS FORMER MGP
187 FALL STREET
SENECA FALLS, NEW YORK

OVERBURDEN FIELD OBSERVATIONS

SCALE: AS SHOWN
APRIL 2013

FIGURE 9

G:\34507_SENECA_FALLS\GLOBAL\GIS\2013-0315-HANY-SOIL-D2.MXD



G:\34507_SENECA_FALLS\GLOBAL\GIS\2009-1106-HANY-SEDIMENT-D5.mxd

LEGEND

- ◎ SEDIMENT NOT PRESENT
- SEDIMENT PRESENT - NO OBSERVED IMPACTS
- SEDIMENT PRESENT - ODOR OR STAINING
- SEDIMENT PRESENT - MINOR TLM/OLM BLEBS
- SEDIMENT PRESENT - TLM/OLM PRESENT

NOTE:
1. SEDIMENT STATION OBSERVATIONS COMPLETED ON 10 THROUGH 19 AUGUST 2009 BY HALEY & ALDRICH.
2. NATURE AND DEGREE OF IMPACTS BASED ON PHYSICAL OBSERVATIONS DURING SEDIMENT THICKNESS PROBING AND CORING.

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SCALE IN FEET

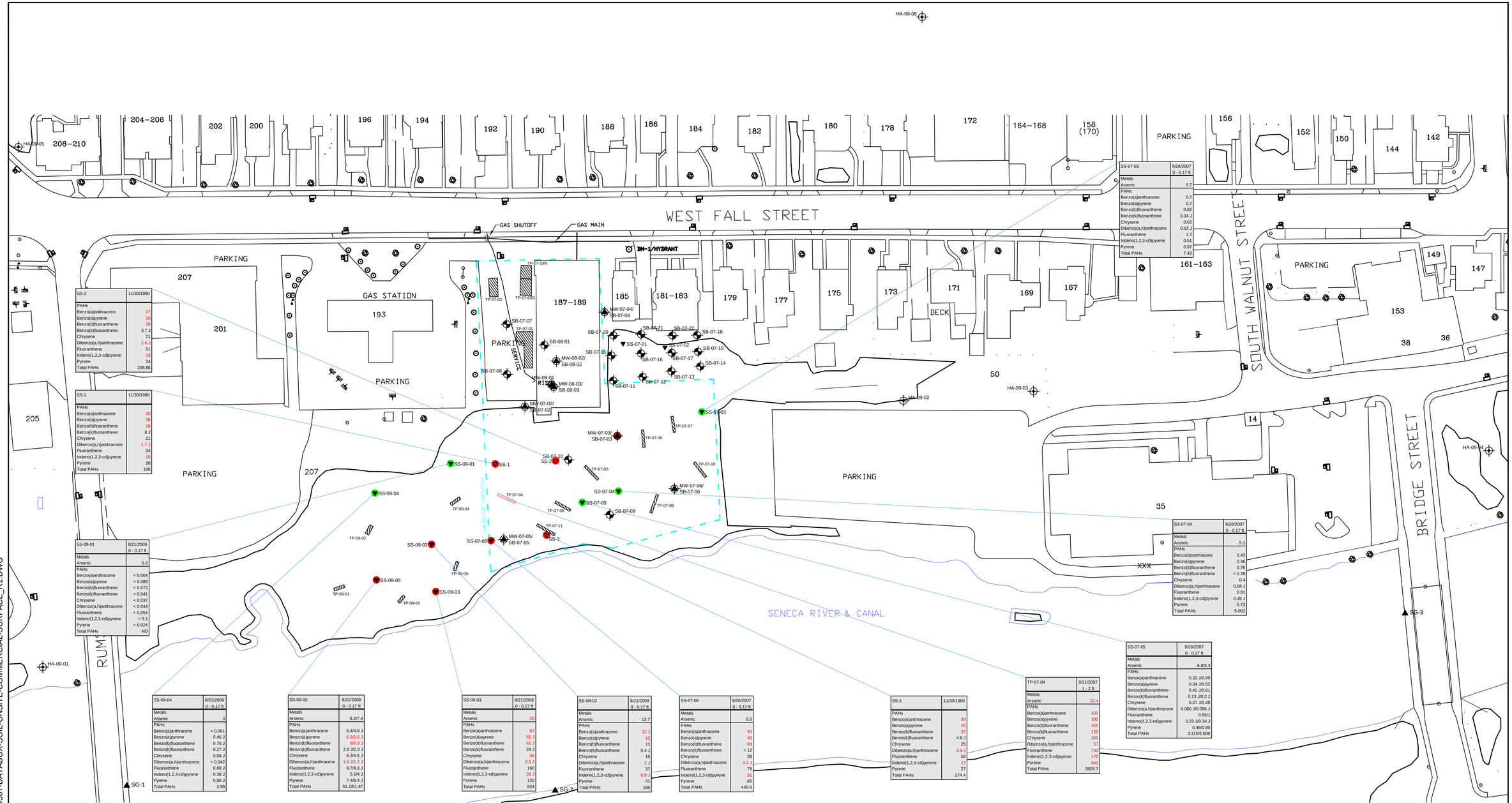
HALEY & ALDRICH

SENECA FALLS FORMER MGP
187 FALL STREET
SENECA FALLS, NEW YORK

SEDIMENT FIELD OBSERVATIONS

SCALE: AS SHOWN
APRIL 2013

FIGURE 10



SS-2	11/30/1990
PAHs	
Benzo(a)anthracene	27
Benzo(a)pyrene	20
Benzo(b)fluoranthene	19
Benzo(k)fluoranthene	3.7 J
Chrysene	21
Dibenzo(a,h)anthracene	2.6 J
Fluoranthene	51
Indeno(1,2,3-cd)pyrene	13
Pyrene	24
Total PAHs	208.86

SS-1	11/30/1990
PAHs	
Benzo(a)anthracene	20
Benzo(a)pyrene	18
Benzo(b)fluoranthene	18
Benzo(k)fluoranthene	8 J
Chrysene	21
Dibenzo(a,h)anthracene	2.7 J
Fluoranthene	34
Indeno(1,2,3-cd)pyrene	15
Pyrene	20
Total PAHs	186

SS-09-01	8/21/2009 0 - 0.17 ft
Metals	
Arsenic	5.2
PAHs	
Benzo(a)anthracene	< 0.064
Benzo(a)pyrene	< 0.089
Benzo(b)fluoranthene	< 0.072
Benzo(k)fluoranthene	< 0.041
Chrysene	< 0.037
Dibenzo(a,h)anthracene	< 0.044
Fluoranthene	< 0.054
Indeno(1,2,3-cd)pyrene	< 0.1
Pyrene	< 0.024
Total PAHs	ND

SS-09-04	8/21/2009 0 - 0.17 ft
Metals	
Arsenic	3
PAHs	
Benzo(a)anthracene	< 0.061
Benzo(a)pyrene	0.46 J
Benzo(b)fluoranthene	0.76 J
Benzo(k)fluoranthene	0.27 J
Chrysene	0.58 J
Dibenzo(a,h)anthracene	< 0.042
Fluoranthene	0.88 J
Indeno(1,2,3-cd)pyrene	0.38 J
Pyrene	0.66 J
Total PAHs	3.99

SS-09-05	8/21/2009 0 - 0.17 ft
Metals	
Arsenic	8.2/7.4
PAHs	
Benzo(a)anthracene	5.4/4.6 J
Benzo(a)pyrene	6.8/5.6 J
Benzo(b)fluoranthene	8/6.8 J
Benzo(k)fluoranthene	2.9 J/2.3 J
Chrysene	5.3/4.5 J
Dibenzo(a,h)anthracene	1.5 J/1.2 J
Fluoranthene	9.7/8.3 J
Indeno(1,2,3-cd)pyrene	5.1/4 J
Pyrene	7.4/6.4 J
Total PAHs	51.2/61.47

SS-09-03	8/21/2009 0 - 0.17 ft
Metals	
Arsenic	20
PAHs	
Benzo(a)anthracene	67
Benzo(a)pyrene	55 J
Benzo(b)fluoranthene	61 J
Benzo(k)fluoranthene	24 J
Chrysene	66
Dibenzo(a,h)anthracene	8.9 J
Fluoranthene	160
Indeno(1,2,3-cd)pyrene	26 J
Pyrene	120
Total PAHs	824

SS-09-02	8/21/2009 0 - 0.17 ft
Metals	
Arsenic	13.7
PAHs	
Benzo(a)anthracene	12 J
Benzo(a)pyrene	12
Benzo(b)fluoranthene	15
Benzo(k)fluoranthene	5.4 J
Chrysene	16
Dibenzo(a,h)anthracene	2 J
Fluoranthene	37
Indeno(1,2,3-cd)pyrene	6.8 J
Pyrene	31
Total PAHs	186

SS-07-06	9/26/2007 0 - 0.17 ft
Metals	
Arsenic	6.8
PAHs	
Benzo(a)anthracene	43
Benzo(a)pyrene	43
Benzo(b)fluoranthene	69
Benzo(k)fluoranthene	< 12
Chrysene	38
Dibenzo(a,h)anthracene	3.2 J
Fluoranthene	78
Indeno(1,2,3-cd)pyrene	31
Pyrene	65
Total PAHs	440.4

SS-3	11/30/1990
PAHs	
Benzo(a)anthracene	39
Benzo(a)pyrene	25
Benzo(b)fluoranthene	37
Benzo(k)fluoranthene	4.6 J
Chrysene	25
Dibenzo(a,h)anthracene	3.9 J
Fluoranthene	56
Indeno(1,2,3-cd)pyrene	17
Pyrene	27
Total PAHs	274.4

TP-07-04	9/21/2007 1 - 2 ft
Metals	
Arsenic	20.4
PAHs	
Benzo(a)anthracene	420
Benzo(a)pyrene	330
Benzo(b)fluoranthene	400
Benzo(k)fluoranthene	120
Chrysene	350
Dibenzo(a,h)anthracene	57
Fluoranthene	730
Indeno(1,2,3-cd)pyrene	170
Pyrene	640
Total PAHs	3928.7

SS-07-05	9/26/2007 0 - 0.17 ft
Metals	
Arsenic	6.8/5.3
PAHs	
Benzo(a)anthracene	0.32 J/0.59
Benzo(a)pyrene	0.34 J/0.52
Benzo(b)fluoranthene	0.41 J/0.61
Benzo(k)fluoranthene	0.13 J/0.2 J
Chrysene	0.27 J/0.48
Dibenzo(a,h)anthracene	0.066 J/0.086 J
Fluoranthene	0.55/1
Indeno(1,2,3-cd)pyrene	0.23 J/0.34 J
Pyrene	0.48/0.85
Total PAHs	3.315/5.608

SS-07-04	9/26/2007 0 - 0.17 ft
Metals	
Arsenic	5.1
PAHs	
Benzo(a)anthracene	0.43
Benzo(a)pyrene	0.46
Benzo(b)fluoranthene	0.76
Benzo(k)fluoranthene	< 0.39
Chrysene	0.4
Dibenzo(a,h)anthracene	0.09 J
Fluoranthene	0.81
Indeno(1,2,3-cd)pyrene	0.35 J
Pyrene	0.73
Total PAHs	5.002

SS-07-03	9/26/2007 0 - 0.17 ft
Metals	
Arsenic	5.7
PAHs	
Benzo(a)anthracene	0.7
Benzo(a)pyrene	0.7
Benzo(b)fluoranthene	0.82
Benzo(k)fluoranthene	0.34 J
Chrysene	0.62
Dibenzo(a,h)anthracene	0.13 J
Fluoranthene	1.2
Indeno(1,2,3-cd)pyrene	0.51
Pyrene	0.97
Total PAHs	7.42

LEGEND:

- PROPERTY LINE
- MONITORING WELL
- SOIL BORING
- SURFACE SOIL SAMPLE
- TEST PIT
- STREAM GAUGE

NOTES:

1. DATABOX UNITS IN MG/KG.
2. SOIL SAMPLES COMPARED TO NYSDEC PART 375 RESTRICTED USE SOIL CLEANUP OBJECTIVES FOR COMMERCIAL.
3. CHEMICALS LISTED ARE THOSE THAT EXCEED CRITERIA AT ONE OR MORE LOCATIONS.
4. TOTAL PAHs ARE CALCULATE BY SUMMING THE DETECTED PAH CONCENTRATIONS IN EACH SAMPLE.
5. RESULT VALUES AND LOCATION SYMBOLS IN RED INDICATE CRITERIA EXCEEDED.
   RESULT VALUES IN BLACK AND LOCATION SYMBOLS IN GREEN INDICATE CRITERIA NOT EXCEEDED.
6. <: RESULT NOT DETECTED ABOVE INDICATED REPORTING LIMIT
   J: ESTIMATED RESULT
7. SEE ASSOCIATED TABLE FOR A FULL LIST OF ANALYTICAL RESULTS.

ANALYTE	NYSDEC PART 375 COMMERCIAL SCO (MG/KG)
Arsenic	16
Benzo(a)anthracene	5.6
Benzo(a)pyrene	1
Benzo(b)fluoranthene	5.6
Benzo(k)fluoranthene	56
Chrysene	56
Dibenzo(a,h)anthracene	0.56
Fluoranthene	500
Indeno(1,2,3-cd)pyrene	5.6
Pyrene	500

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SCALE IN FEET

HALEY & ALDRICH

SENECA FALLS FORMER MGP
187 FALL STREET
SENECA FALLS, NEW YORK

COMMERCIAL SOIL: DISTRIBUTION OF CONSTITUENTS IN SURFACE SOIL

SCALE: AS SHOWN
APRIL 2013

FIGURE 11

G:\34507_SENECA_FALLS\GLOBAL\CAD\34507-DATABOX-SOIL-ONSITE-COMMERCIAL-SURFACE_R1.DWG

SB-07-07	9/27/2007 2 - 6 ft	9/27/2007 22 - 24 ft
Metals		
Arsenic	5.9	4.3
PAHs		
Benzo(a)anthracene	7.1 J	< 0.36
Benzo(a)pyrene	6.8 J	< 0.36
Benzo(b)fluoranthene	11 J	< 0.36
Benzo(k)fluoranthene	< 36	< 0.36
Chrysene	4.2 J	< 0.36
Dibenzo(a,h)anthracene	0.85 J	< 0.36
Fluoranthene	7.9 J	< 0.36
Indeno(1,2,3-cd)pyrene	2.8 J	< 0.36
Pyrene	6.3 J	< 0.36
Total PAHs	54.85	ND

TP-07-02	9/19/2007 7.6 - 8 ft	9/19/2007 10 - 11 ft
Metals		
Arsenic	8.5	3.9
PAHs		
Benzo(a)anthracene	59	0.15 J
Benzo(a)pyrene	49	0.1 J
Benzo(b)fluoranthene	52	0.15 J
Benzo(k)fluoranthene	20	< 0.37
Chrysene	46	0.088 J
Dibenzo(a,h)anthracene	6.1	0.016 J
Fluoranthene	170	0.47
Indeno(1,2,3-cd)pyrene	19	0.057 J
Pyrene	130	0.39
Total PAHs	1559.1	3.572

TP-07-03S	9/19/2007 4 - 5 ft
Metals	
Arsenic	5.6
PAHs	
Benzo(a)anthracene	1.8 J
Benzo(a)pyrene	1.4 J
Benzo(b)fluoranthene	2.3 J
Benzo(k)fluoranthene	< 3.9
Chrysene	1.6 J
Dibenzo(a,h)anthracene	0.26 J
Fluoranthene	4.3 J
Indeno(1,2,3-cd)pyrene	0.9 J
Pyrene	4.1
Total PAHs	21.216

TP-07-03N	9/19/2007 5.7 - 6 ft
Metals	
Arsenic	5
PAHs	
Benzo(a)anthracene	0.032 J
Benzo(a)pyrene	0.03 J
Benzo(b)fluoranthene	0.043 J
Benzo(k)fluoranthene	0.014 J
Chrysene	0.02 J
Dibenzo(a,h)anthracene	< 0.38
Fluoranthene	0.032 J
Indeno(1,2,3-cd)pyrene	0.022 J
Pyrene	0.039 J
Total PAHs	0.268

SB-08-01	3/3/2008 11 - 13 ft	3/4/2008 19 - 20.2 ft
Metals		
Arsenic	6.6	16.4
PAHs		
Benzo(a)anthracene	3.1 J	3.1 J
Benzo(a)pyrene	2.3 J	2.1 J
Benzo(b)fluoranthene	2.7 J	2.4 J
Benzo(k)fluoranthene	1 J	0.96 J
Chrysene	2.6 J	2.6 J
Dibenzo(a,h)anthracene	0.43 J	0.43 J
Fluoranthene	8.1	5
Indeno(1,2,3-cd)pyrene	1.4 J	1.3 J
Pyrene	6.5	5
Total PAHs	47.33	30.28

SB-08-02	3/4/2008 5 - 6 ft	3/4/2008 19 - 19.4 ft
Metals		
Arsenic	4.4	5.8
PAHs		
Benzo(a)anthracene	2.5 J	6.9 J
Benzo(a)pyrene	1.8 J	7.2 J
Benzo(b)fluoranthene	1.8 J	9.7
Benzo(k)fluoranthene	0.61 J	3.8 J
Chrysene	2.6 J	8.4 J
Dibenzo(a,h)anthracene	0.38 J	1.8 J
Fluoranthene	2.6 J	20
Indeno(1,2,3-cd)pyrene	0.89 J	5.6 J
Pyrene	4.9	15
Total PAHs	20.63	107.57

SB-08-03	3/5/2008 7.5 - 9.5 ft	3/5/2008 21 - 23 ft	3/6/2008 27 - 29.3 ft
Metals			
Arsenic	32.2	6.7	2.5
PAHs			
Benzo(a)anthracene	130	6.2	0.033 J
Benzo(a)pyrene	110	4	0.021 J
Benzo(b)fluoranthene	120	4.1	0.026 J
Benzo(k)fluoranthene	55	2 J	0.011 J
Chrysene	99	5.1	0.026 J
Dibenzo(a,h)anthracene	24	0.64 J	< 0.35
Fluoranthene	240	12	0.056 J
Indeno(1,2,3-cd)pyrene	72	1.7 J	0.014 J
Pyrene	200	9.7	0.047 J
Total PAHs	1319.3	140.24	0.383

SB-07-10	9/25/2007 4 - 6 ft	9/25/2007 6 - 8 ft
Metals		
Arsenic	2.3	1.8
PAHs		
Benzo(a)anthracene	< 0.36	0.008 J
Benzo(a)pyrene	< 0.36	< 0.36
Benzo(b)fluoranthene	< 0.36	< 0.36
Benzo(k)fluoranthene	< 0.36	< 0.36
Chrysene	< 0.36	0.008 J
Dibenzo(a,h)anthracene	< 0.36	< 0.36
Fluoranthene	< 0.36	< 0.36
Indeno(1,2,3-cd)pyrene	< 0.36	< 0.36
Pyrene	< 0.36	< 0.36
Total PAHs	ND	0.043

SB-07-03	9/24/2007 4 - 6 ft	9/24/2007 10 - 12 ft
Metals		
Arsenic	4.1	1.7
PAHs		
Benzo(a)anthracene	260	0.02 J
Benzo(a)pyrene	200	0.01 J
Benzo(b)fluoranthene	250	0.012 J
Benzo(k)fluoranthene	64	0.008 J
Chrysene	210	0.011 J
Dibenzo(a,h)anthracene	29	< 0.35
Fluoranthene	560	0.023 J
Indeno(1,2,3-cd)pyrene	84	0.009 J
Pyrene	450	0.025 J
Total PAHs	2948.6	0.164

TP-07-06	9/20/2007 4.5 - 5.5 ft	9/20/2007 6 - 7 ft
Metals		
Arsenic	2.8	2.3
PAHs		
Benzo(a)anthracene	18	0.92 J
Benzo(a)pyrene	12	0.71
Benzo(b)fluoranthene	17	1.1
Benzo(k)fluoranthene	< 3.5	< 0.35
Chrysene	14	0.72
Dibenzo(a,h)anthracene	1.6 J	0.11 J
Fluoranthene	43	1.5
Indeno(1,2,3-cd)pyrene	4.9	0.36
Pyrene	33	1.4
Total PAHs	291.6	8.637

TP-07-07	9/18/2007 5 - 6 ft	9/18/2007 12 - 13 ft
Metals		
Arsenic	2.1	2.4
PAHs		
Benzo(a)anthracene	0.02 J	0.15 J
Benzo(a)pyrene	0.25 J	0.13 J
Benzo(b)fluoranthene	0.22 J	0.2 J
Benzo(k)fluoranthene	< 0.36	< 0.39
Chrysene	0.01 J	0.12 J
Dibenzo(a,h)anthracene	0.28 J	0.023 J
Fluoranthene	0.22 J	0.16 J
Indeno(1,2,3-cd)pyrene	0.25 J	0.061 J
Pyrene	0.017 J	0.17 J
Total PAHs	1.302	1.179

TP-07-01	9/20/2007 4.5 - 5 ft	9/20/2007 6.5 - 8.5 ft
Metals		
Arsenic	4.9	5.3
PAHs		
Benzo(a)anthracene	56	29
Benzo(a)pyrene	33	16
Benzo(b)fluoranthene	48	24
Benzo(k)fluoranthene	< 4.1	< 4
Chrysene	44	23
Dibenzo(a,h)anthracene	3.5 J	2.6 J
Fluoranthene	110	53
Indeno(1,2,3-cd)pyrene	7.8	5.8
Pyrene	86	46
Total PAHs	1389.1	642

SB-07-08	9/26/2007 7 - 10 ft	9/27/2007 22.8 - 24 ft
Metals		
Arsenic	4.9	3.7
PAHs		
Benzo(a)anthracene	0.14 J	0.02 J
Benzo(a)pyrene	0.097 J	0.011 J
Benzo(b)fluoranthene	0.11 J	0.018 J
Benzo(k)fluoranthene	0.061 J	< 0.4
Chrysene	0.11 J	0.015 J
Dibenzo(a,h)anthracene	0.018 J	< 0.4
Fluoranthene	0.22 J	0.036 J
Indeno(1,2,3-cd)pyrene	0.046 J	0.01 J
Pyrene	0.2 J	0.037 J
Total PAHs	1.341	0.17

SB-07-02	9/26/2007 20 - 22 ft	9/26/2007 32 - 33 ft
Metals		
Arsenic	4.4	1.5
PAHs		
Benzo(a)anthracene	0.014 J	< 0.35
Benzo(a)pyrene	< 0.39	< 0.35
Benzo(b)fluoranthene	0.01 J	< 0.35
Benzo(k)fluoranthene	< 0.39	< 0.35
Chrysene	< 0.39	< 0.35
Dibenzo(a,h)anthracene	< 0.39	< 0.35
Fluoranthene	0.016 J	< 0.35
Indeno(1,2,3-cd)pyrene	< 0.39	< 0.35
Pyrene	0.013 J	< 0.35
Total PAHs	0.053	ND

TP-09-02	8/21/2009 2 - 3 ft	8/21/2009 6 - 7 ft
Metals		
Arsenic	4.8	8.3
PAHs		
Benzo(a)anthracene	0.037 J	< 0.0039
Benzo(a)pyrene	0.047 J	< 0.0054
Benzo(b)fluoranthene	0.046 J	< 0.0044
Benzo(k)fluoranthene	0.024 J	< 0.0025
Chrysene	0.036 J	< 0.0023
Dibenzo(a,h)anthracene	< 0.0025	< 0.0026
Fluoranthene	0.039 J	< 0.0033
Indeno(1,2,3-cd)pyrene	0.033 J	< 0.0062
Pyrene	0.039 J	< 0.0015
Total PAHs	0.341	ND

TP-09-01	8/21/2009 1.5 - 2.5 ft	8/21/2009 6 - 7 ft
Metals		
Arsenic	6.8	2.6
PAHs		
Benzo(a)anthracene	3.1 J	< 0.0035
Benzo(a)pyrene	3.7 J	< 0.0048
Benzo(b)fluoranthene	5.8 J	< 0.0039
Benzo(k)fluoranthene	< 0.042	< 0.0022
Chrysene	3.2 J	< 0.002
Dibenzo(a,h)anthracene	0.52 J	< 0.0024
Fluoranthene	5.1 J	< 0.0029
Indeno(1,2,3-cd)pyrene	2.2 J	< 0.0055
Pyrene	4 J	< 0.0013
Total PAHs	32.62	ND

TP-09-03	8/20/2009 2.5 - 3 ft	8/20/2009 4 - 5 ft	8/20/2009 6.5 - 7 ft
Metals			
Arsenic	14.3	2.7	6.3
PAHs			
Benzo(a)anthracene	1.7 J	2.8 J	0.072 J
Benzo(a)pyrene	1.9 J	3 J	0.079 J
Benzo(b)fluoranthene	2.6 J	4.1	0.087 J
Benzo(k)fluoranthene	< 0.023	< 0.022	0.026 J
Chrysene	1.6 J	2.5 J	0.061 J
Dibenzo(a,h)anthracene	0.26 J	0.43 J	< 0.0025
Fluoranthene	2.7 J	5.5	0.11 J
Indeno(1,2,3-cd)pyrene	1 J	1.6 J	0.047 J
Pyrene	2.2 J	4.5	0.098 J
Total PAHs	16.19	27.16	0.628

TP-09-05	8/20/2009 1.5 - 2.5 ft	8/20/2009 8.5 - 9 ft
Metals		
Arsenic	11.6/17.1	6
PAHs		
Benzo(a)anthracene	3.7 J/4.1	< 0.0035
Benzo(a)pyrene	4.8/4.3	< 0.0049
Benzo(b)fluoranthene	6.4/4.7	< 0.0039
Benzo(k)fluoranthene	< 0.023 U/1.5 J	< 0.0022
Chrysene	3.7 J/3.6 J	< 0.002
Dibenzo(a,h)anthracene	0.96 J/0.8 J	< 0.0024
Fluoranthene	5.6/7.1	< 0.0029
Indeno(1,2,3-cd)pyrene	3.5 J/2.9 J	< 0.0056
Pyrene	4.8/6	< 0.0013
Total PAHs	46.7/42.309	ND

SB-07-05	9/21/2007 4 - 6 ft	9/21/2007 10 - 10.9 ft
Metals		
Arsenic	2.7	2.4
PAHs		
Benzo(a)anthracene	6.9	0.041 J
Benzo(a)pyrene	5.4	0.033 J
Benzo(b)fluoranthene	7.9	0.032 J
Benzo(k)fluoranthene	< 1.9	0.014 J
Chrysene	5.1	0.035 J
Dibenzo(a,h)anthracene	0.79 J	< 0.36
Fluoranthene	14	0.069 J
Indeno(1,2,3-cd)pyrene	2.7	0.014 J
Pyrene	12	0.063 J
Total PAHs	71.57	0.392

TP-09-04	8/20/2009 3 - 4 ft
Metals	
Arsenic	7.2
PAHs	
Benzo(a)anthracene	< 0.0036
Benzo(a)pyrene	< 0.0051
Benzo(b)fluoranthene	< 0.0041
Benzo(k)fluoranthene	< 0.0023
Chrysene	< 0.0021
Dibenzo(a,h)anthracene	< 0.0025
Fluoranthene	< 0.003
Indeno(1,2,3-cd)pyrene	< 0.0058
Pyrene	< 0.0014
Total PAHs	ND

TP-07-04	9/21/2007 9 - 10 ft
Metals	
Arsenic	2.7/2.5
PAHs	
Benzo(a)anthracene	0.3 J/5.3
Benzo(a)pyrene	0.26 J/3.6
Benzo(b)fluoranthene	0.28 J/4.5
Benzo(k)fluoranthene	0.13 J/1.2 J
Chrysene	0.22 J/3.8
Dibenzo(a,h)anthracene	0.023 J/0.58 J
Fluoranthene	0.59/9
Indeno(1,2,3-cd)pyrene	0.14 J/1.7 J
Pyrene	0.46/8.4
Total PAHs	2.886/49.9

TP-07-08	9/20/2007 5.5 - 6.5 ft	9/20/2007 7 - 8 ft
Metals		
Arsenic	4.1	2.7
PAHs		
Benzo(a)anthracene	5.4	0.084 J
Benzo(a)pyrene	4	0.056 J
Benzo(b)fluoranthene	6	0.087 J
Benzo(k)fluoranthene	< 1.7	< 0.36
Chrysene	4.2	0.06 J
Dibenzo(a,h)anthracene	0.63 J	0.009 J
Fluoranthene	11	0.15 J
Indeno(1,2,3-cd)pyrene	2.1	0.028 J
Pyrene	8.6	0.14 J
Total PAHs	58.82	0.889

TP-07-05	9/20/2007 3 - 4 ft	9/20/2007 5 - 6 ft
Metals		
Arsenic	3.3	2.4
PAHs		
Benzo(a)anthracene	0.03 J	0.14 J
Benzo(a)pyrene	0.018 J	0.087 J
Benzo(b)fluoranthene	0.024 J	0.14 J
Benzo(k)fluoranthene	< 0.37	< 0.38
Chrysene	0.021 J	0.1 J
Dibenzo(a,h)anthracene	< 0.37	0.015 J
Fluoranthene	0.044 J	0.28 J
Indeno(1,2,3-cd)pyrene	0.01 J	0.043 J
Pyrene	0.042 J	0.24 J
Total PAHs	0.251	1.653

TP-07-10	9/18/2007 5 - 6 ft	9/18/2007 6 - 7 ft
Metals		
Arsenic	2.2/2.5	2.8
PAHs		
Benzo(a)anthracene	< 0.36/< 0.35	0.3 J
Benzo(a)pyrene	< 0.36/< 0.35	0.46
Benzo(b)fluoranthene	< 0.36/< 0.35	0.57
Benzo(k)fluoranthene	< 0.36/< 0.35	< 0.36
Chrysene	< 0.36/< 0.35	0.25 J
Dibenzo(a,h)anthracene	< 0.36/< 0.35	0.31 J
Fluoranthene	< 0.36/< 0.35	0.56
Indeno(1,2,3-cd)pyrene	< 0.36/< 0.35	0.38
Pyrene	< 0.36/< 0.35	0.38
Total PAHs	0.094/0.014	3.535

SB-07-06	9/24/2007 8 - 10 ft
Metals	
Arsenic	11.6
PAHs	
Benzo(a)anthracene	0.035 J
Benzo(a)pyrene	0.026 J
Benzo(b)fluoranthene	0.023 J
Benzo(k)fluoranthene	0.018 J
Chrysene	0.029 J
Dibenzo(a,h)anthracene	< 0.37
Fluoranthene	0.062 J
Indeno(1,2,3-cd)pyrene	0.016 J
Pyrene	0.068 J
Total PAHs	0.361

TP-07-09	9/21/2007 2 - 4 ft	9/21/2007 8 - 9 ft
Metals		
Arsenic	3.9	4.5
PAHs		
Benzo(a)anthracene	0.009 J	47
Benzo(a)pyrene	< 0.37	31
Benzo(b)fluoranthene	0.01 J	35
Benzo(k)fluoranthene	< 0.37	12
Chrysene	< 0.37	40
Dibenzo(a,h)anthracene	< 0.37	4.8
Fluoranthene	0.008 J	100
Indeno(1,2,3-cd)pyrene	< 0.37	13
Pyrene	< 0.37	75
Total PAHs	0.045	795.2

LEGEND:

- PROPERTY LINE
- MONITORING WELL
- SOIL BORING
- SURFACE SOIL SAMPLE
- TEST PIT
- STREAM GAUGE

NOTES:

1. DATABOX UNITS IN MG/KG.
2. SOIL SAMPLES COMPARED TO NYSDEC PART 375 RESTRICTED USE SOIL CLEANUP OBJECTIVES FOR COMMERCIAL.
3. CHEMICALS LISTED ARE THOSE THAT EXCEED CRITERIA AT ONE OR MORE LOCATIONS.
4. TOTAL PAHs ARE CALCULATE BY SUMMING THE DETECTED PAH CONCENTRATIONS IN EACH SAMPLE.
5. RESULT VALUES AND LOCATION SYMBOLS IN RED INDICATE CRITERIA EXCEEDED.
   RESULT VALUES IN BLACK AND LOCATION SYMBOLS IN GREEN INDICATE CRITERIA NOT EXCEEDED.
6. <: RESULT NOT DETECTED ABOVE INDICATED REPORTING LIMIT
   J: ESTIMATED RESULT
7. SEE ASSOCIATED TABLE FOR A FULL LIST OF ANALYTICAL RESULTS.

ANALYTE	NYSDEC PART 375 COMMERCIAL SCO (MG/KG)
Arsenic	16
Benzo(a)anthracene	5.6
Benzo(a)pyrene	1
Benzo(b)fluoranthene	5.6
Benzo(k)fluoranthene	56
Chrysene	56
Dibenzo(a,h)anthracene	0.56
Fluoranthene	500
Indeno(1,2,3-cd)pyrene	5.6
Pyrene	500

N W E S

0 40 80 120 160

SCALE IN FEET

HALEY & ALDRICH

SENECA FALLS FORMER MGP
187 FALL STREET
SENECA FALLS, NEW YORK

COMMERCIAL SOIL: DISTRIBUTION OF CONSTITUENTS IN SUBSURFACE SOIL

SCALE: AS SHOWN
APRIL 2013

FIGURE 12

G:\34507_SENECA_FALLS\GLOBAL\CAD\34507-DATABOX-SOIL-ONSITE-COMMERCIAL-SUBSURFACE_R1.DWG

SS20201	11/26/2002 0 - 0.2 ft
Metals	
Arsenic	7.6 B/8.7 B
Barium	94.9/120
Copper	96.6/93.5
Lead	182/221
Mercury	0.49 B/0.73 B
Zinc	167/183
PAHs	
Benzo(a)anthracene	13/9
Benzo(a)pyrene	11/8.2
Benzo(b)fluoranthene	8.2/5.8
Benzo(k)fluoranthene	12/9.6
Chrysene	12/8.3
Dibenzo(a,h)anthracene	2.4 J/1.9 J
Fluoranthene	24/15
Indeno(1,2,3-cd)pyrene	6.1/5

SS20202	11/26/2002 0 - 0.2 ft
Metals	
Arsenic	15.4
Barium	1070
Copper	67.9
Lead	2150
Mercury	0.45 B
Zinc	1650
PAHs	
Benzo(a)anthracene	5.6
Benzo(a)pyrene	5.1
Benzo(b)fluoranthene	4.6
Benzo(k)fluoranthene	5.1
Chrysene	5.1
Dibenzo(a,h)anthracene	1.2 J
Fluoranthene	8.4
Indeno(1,2,3-cd)pyrene	3

HA-09-08	9/1/2009 0 - 0.17 ft
Metals	
Arsenic	6.1
Barium	123 J
Copper	36
Lead	187
Mercury	0.263 J
Selenium	< 0.7
Zinc	179
PAHs	
Benzo(a)anthracene	1.1 J
Benzo(a)pyrene	< 0.22
Benzo(b)fluoranthene	< 0.18
Benzo(k)fluoranthene	< 0.1
Chrysene	< 0.093
Dibenzo(a,h)anthracene	< 0.11
Fluoranthene	2.1 J
Indeno(1,2,3-cd)pyrene	< 0.26

HA-09-05	9/1/2009 0.04 - 0.21 ft
Metals	
Arsenic	4.3
Barium	71 J
Copper	40.4
Lead	66.7
Mercury	0.1 J
Selenium	< 0.6
Zinc	104
PAHs	
Benzo(a)anthracene	2.1 J
Benzo(a)pyrene	2.2 J
Benzo(b)fluoranthene	2.6 J
Benzo(k)fluoranthene	< 0.1
Chrysene	2.2 J
Dibenzo(a,h)anthracene	< 0.11
Fluoranthene	3 J
Indeno(1,2,3-cd)pyrene	< 0.25

SS-07-01	11/16/2007 0 - 0.17 ft
Metals	
Arsenic	5.8
Barium	68.5 J
Copper	29.6
Lead	101 J
Mercury	0.198 J
Selenium	1.6
Zinc	141 J
PAHs	
Benzo(a)anthracene	3.3
Benzo(a)pyrene	3.2
Benzo(b)fluoranthene	3.9
Benzo(k)fluoranthene	1.6 J
Chrysene	2.6
Dibenzo(a,h)anthracene	0.44 J
Fluoranthene	5.4
Indeno(1,2,3-cd)pyrene	1.3 J

SS20203	11/26/2002 0 - 0.2 ft
Metals	
Arsenic	8 B
Barium	114
Copper	74.1
Lead	41.1
Mercury	0.1 B
Zinc	53.9
PAHs	
Benzo(a)anthracene	0.049 J
Benzo(a)pyrene	0.049 J
Benzo(b)fluoranthene	< 0.54
Benzo(k)fluoranthene	< 0.54
Chrysene	0.056 J
Dibenzo(a,h)anthracene	< 0.54
Fluoranthene	0.095 J
Indeno(1,2,3-cd)pyrene	< 0.54

HA-09-01	9/1/2009 0.25 - 0.42 ft
Metals	
Arsenic	6.4
Barium	101 J
Copper	24.2
Lead	40.4
Mercury	0.335 J
Selenium	< 0.7
Zinc	78.5
PAHs	
Benzo(a)anthracene	< 0.074
Benzo(a)pyrene	< 0.1
Benzo(b)fluoranthene	< 0.083
Benzo(k)fluoranthene	< 0.047
Chrysene	< 0.043
Dibenzo(a,h)anthracene	< 0.05
Fluoranthene	< 0.062
Indeno(1,2,3-cd)pyrene	< 0.12

SS-07-02	11/16/2007 0 - 0.17 ft
Metals	
Arsenic	30.5
Barium	279 J
Copper	96.8
Lead	871 J
Mercury	1.2 J
Selenium	3.6
Zinc	553 J
PAHs	
Benzo(a)anthracene	0.8 J
Benzo(a)pyrene	0.79 J
Benzo(b)fluoranthene	1.1 J
Benzo(k)fluoranthene	0.38 J
Chrysene	0.76 J
Dibenzo(a,h)anthracene	0.12 J
Fluoranthene	1.4 J
Indeno(1,2,3-cd)pyrene	0.38 J

HA-09-02	9/1/2009 0.21 - 0.38 ft
Metals	
Arsenic	3.3
Barium	48.9 J
Copper	15.2
Lead	32.2
Mercury	0.0609 J
Selenium	< 0.7
Zinc	57.5
PAHs	
Benzo(a)anthracene	4.1 J
Benzo(a)pyrene	3.5 J
Benzo(b)fluoranthene	4.5 J
Benzo(k)fluoranthene	1.9 J
Chrysene	4.5 J
Dibenzo(a,h)anthracene	< 0.11
Fluoranthene	8.9 J
Indeno(1,2,3-cd)pyrene	1.7 J

HA-09-03	9/1/2009 0.17 - 0.33 ft
Metals	
Arsenic	3.5
Barium	44 J
Copper	13
Lead	21.7
Mercury	0.0697 J
Selenium	< 0.7
Zinc	42.9
PAHs	
Benzo(a)anthracene	< 0.17
Benzo(a)pyrene	< 0.23
Benzo(b)fluoranthene	< 0.19
Benzo(k)fluoranthene	< 0.11
Chrysene	< 0.096
Dibenzo(a,h)anthracene	< 0.11
Fluoranthene	< 0.14
Indeno(1,2,3-cd)pyrene	< 0.27

HA-09-04	9/1/2009 0.5 - 0.67 ft
Metals	
Arsenic	3.5
Barium	99.9 J
Copper	20.5
Lead	23.8
Mercury	0.0909 J
Selenium	< 0.7
Zinc	87.8
PAHs	
Benzo(a)anthracene	< 0.18
Benzo(a)pyrene	< 0.25
Benzo(b)fluoranthene	< 0.2
Benzo(k)fluoranthene	< 0.12
Chrysene	< 0.1
Dibenzo(a,h)anthracene	< 0.12
Fluoranthene	< 0.15
Indeno(1,2,3-cd)pyrene	< 0.29

ANALYTE	NYSDEC PART 375 UNRESTRICTED USE SCO (MG/KG)
Arsenic	13
Barium	350
Benz(a)anthracene	1
Benzo(a)pyrene	1
Benzo(b)fluoranthene	1
Benzo(k)fluoranthene	0.8
Chrysene	1
Copper	50
Dibenz(a,h)anthracene	0.33
Fluoranthene	100
Indeno(1,2,3-cd)pyrene	0.5
Lead	63
Mercury	0.18
Selenium	3.9
Zinc	109

LEGEND:

- PROPERTY LINE
- MONITORING WELL
- SOIL BORING
- SURFACE SOIL SAMPLE
- TEST PIT
- STREAM GAUGE
- HAND AUGER

NOTES:

1. DATABOX UNITS IN MG/KG.
2. RESIDENTIAL SOIL SAMPLES COMPARED TO NYSDEC PART 375 UNRESTRICTED USE SOIL CLEANUP OBJECTIVES.
3. CHEMICALS LISTED ARE THOSE THAT EXCEED CRITERIA AT ONE OR MORE RESIDENTIAL LOCATIONS.
4. TOTAL PAHs ARE CALCULATED BY SUMMING THE DETECTED PAH CONCENTRATIONS IN EACH SAMPLE.
5. RESULT VALUES AND LOCATION SYMBOLS IN RED INDICATE CRITERIA EXCEEDED. RESULT VALUES IN BLACK AND LOCATION SYMBOLS IN GREEN INDICATE CRITERIA NOT EXCEEDED.
6. <: RESULT NOT DETECTED ABOVE INDICATED REPORTING LIMIT J: ESTIMATED RESULT
7. SEE ASSOCIATED TABLE FOR A FULL LIST OF ANALYTICAL RESULTS.

N W E S

0 50 100 150 200

SCALE IN FEET

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RESIDENTIAL SOIL: DISTRIBUTION OF CONSTITUENTS IN SURFACE SOIL

SCALE: AS SHOWN
APRIL 2013

FIGURE 13

G:\34507_SENECA_FALLS\GIS\BALICAD\34507-DATABOX-SOIL-OFFSITE-RESIDENTIAL-SURFACE_R3.DWG

SB-07-04	11/16/2007 4 - 5.5 ft	11/16/2007 26 - 26.8 ft
Metals		
Arsenic	7.9	2.1
Barium	80.6 J	121 J
Copper	26.9	9
Lead	58.8 J	4.7 J
Mercury	0.234 J	< 0.004 UJ
Selenium	1	< 0.63
Zinc	98.6 J	22.1 J
PAHs		
Benzo(a)anthracene	51	0.034 J
Benzo(a)pyrene	50	0.028 J
Benzo(b)fluoranthene	60	0.043 J
Benzo(k)fluoranthene	18	0.017 J
Chrysene	39	0.031 J
Dibenzo(a,h)anthracene	7	< 0.36
Fluoranthene	130	0.048 J
Indeno(1,2,3-cd)pyrene	22	0.015 J

SB-07-21	11/15/2007 1.5 - 2.5 ft
Metals	
Arsenic	9.7/13.7
Barium	104 J/127 J
Copper	40.8/42.6
Lead	176 J/186 J
Mercury	0.199 J/0.135 J
Selenium	1.3/1.7
Zinc	140 J/171 J
PAHs	
Benzo(a)anthracene	1.6 J/3.1
Benzo(a)pyrene	1.4 J/3
Benzo(b)fluoranthene	1.9 J/4
Benzo(k)fluoranthene	0.66 J/1.6 J
Chrysene	1.6 J/3.6
Dibenzo(a,h)anthracene	0.2 J/0.4 J
Fluoranthene	3.5/7.6
Indeno(1,2,3-cd)pyrene	0.57 J/1.2 J

SB-07-22	11/15/2007 0.4 - 2.3 ft
Metals	
Arsenic	5.2
Barium	142 J
Copper	227
Lead	146 J
Mercury	0.096 J
Selenium	1.6
Zinc	499 J
PAHs	
Benzo(a)anthracene	1.5 J
Benzo(a)pyrene	1.2 J
Benzo(b)fluoranthene	1.6 J
Benzo(k)fluoranthene	0.58 J
Chrysene	1.3 J
Dibenzo(a,h)anthracene	0.2 J
Fluoranthene	1.6 J
Indeno(1,2,3-cd)pyrene	0.46 J

SB-07-20	11/15/2007 1 - 2 ft
Metals	
Arsenic	10.7
Barium	119 J
Copper	38.4
Lead	128 J
Mercury	0.782 J
Selenium	< 0.69
Zinc	140 J
PAHs	
Benzo(a)anthracene	14
Benzo(a)pyrene	14
Benzo(b)fluoranthene	18
Benzo(k)fluoranthene	6.6
Chrysene	13
Dibenzo(a,h)anthracene	2
Fluoranthene	20
Indeno(1,2,3-cd)pyrene	6.5

SB-07-18	11/15/2007 2 - 4.4 ft
Metals	
Arsenic	19.9
Barium	378 J
Copper	95.1
Lead	1540 J
Mercury	0.643 J
Selenium	2.6
Zinc	1420 J
PAHs	
Benzo(a)anthracene	2.4
Benzo(a)pyrene	1.9 J
Benzo(b)fluoranthene	2.4
Benzo(k)fluoranthene	0.94 J
Chrysene	2
Dibenzo(a,h)anthracene	0.27 J
Fluoranthene	3.6
Indeno(1,2,3-cd)pyrene	0.73 J

SB-07-15	11/15/2007 1 - 3 ft
Metals	
Arsenic	8.6
Barium	151 J
Copper	97
Lead	259 J
Mercury	1.3 J
Selenium	0.74
Zinc	229 J
PAHs	
Benzo(a)anthracene	22
Benzo(a)pyrene	22
Benzo(b)fluoranthene	29
Benzo(k)fluoranthene	8.3
Chrysene	19
Dibenzo(a,h)anthracene	4
Fluoranthene	29
Indeno(1,2,3-cd)pyrene	10

SB-07-11	11/15/2007 1 - 3 ft
Metals	
Arsenic	11.5
Barium	226 J
Copper	63.1
Lead	117 J
Mercury	0.185 J
Selenium	0.86
Zinc	86 J
PAHs	
Benzo(a)anthracene	5.9
Benzo(a)pyrene	5.6
Benzo(b)fluoranthene	6.9
Benzo(k)fluoranthene	2.1
Chrysene	4.7
Dibenzo(a,h)anthracene	1.1
Fluoranthene	9.6
Indeno(1,2,3-cd)pyrene	3.1

SB-07-16	11/15/2007 0 - 2 ft
Metals	
Arsenic	20
Barium	105 J
Copper	37.2
Lead	96 J
Mercury	0.098 J
Selenium	2.3
Zinc	219 J
PAHs	
Benzo(a)anthracene	4.4
Benzo(a)pyrene	3.5
Benzo(b)fluoranthene	4.3
Benzo(k)fluoranthene	1.9 J
Chrysene	3.4
Dibenzo(a,h)anthracene	0.44 J
Fluoranthene	7.8
Indeno(1,2,3-cd)pyrene	1.3 J

SB-07-12	11/15/2007 2 - 4 ft
Metals	
Arsenic	2.5
Barium	40.8 J
Copper	17.1
Lead	5.1 J
Mercury	0.01 J
Selenium	< 0.71
Zinc	25.2 J
PAHs	
Benzo(a)anthracene	0.034 J
Benzo(a)pyrene	0.029 J
Benzo(b)fluoranthene	0.031 J
Benzo(k)fluoranthene	0.018 J
Chrysene	0.025 J
Dibenzo(a,h)anthracene	0.009 J
Fluoranthene	0.023 J
Indeno(1,2,3-cd)pyrene	0.015 J

SB-07-13	11/15/2007 0.2 - 1.5 ft
Metals	
Arsenic	11.9
Barium	378 J
Copper	101
Lead	617 J
Mercury	0.088 J
Selenium	1.4
Zinc	583 J
PAHs	
Benzo(a)anthracene	0.1 J
Benzo(a)pyrene	0.091 J
Benzo(b)fluoranthene	0.12 J
Benzo(k)fluoranthene	0.044 J
Chrysene	0.083 J
Dibenzo(a,h)anthracene	0.02 J
Fluoranthene	0.15 J
Indeno(1,2,3-cd)pyrene	0.059 J

SB-07-17	11/15/2007 0 - 2.3 ft
Metals	
Arsenic	10.4
Barium	213 J
Copper	76.6
Lead	374 J
Mercury	0.311 J
Selenium	1.8
Zinc	240 J
PAHs	
Benzo(a)anthracene	1.8 J
Benzo(a)pyrene	2.1 J
Benzo(b)fluoranthene	2.6
Benzo(k)fluoranthene	0.99 J
Chrysene	1.5 J
Dibenzo(a,h)anthracene	0.33 J
Fluoranthene	2.3
Indeno(1,2,3-cd)pyrene	1 J

SB-07-14	11/15/2007 2 - 5 ft
Metals	
Arsenic	20.9
Barium	169 J
Copper	36.1
Lead	183 J
Mercury	0.502 J
Selenium	12
Zinc	425 J
PAHs	
Benzo(a)anthracene	0.47 J
Benzo(a)pyrene	0.36 J
Benzo(b)fluoranthene	0.45 J
Benzo(k)fluoranthene	0.17 J
Chrysene	0.35 J
Dibenzo(a,h)anthracene	0.073 J
Fluoranthene	0.61 J
Indeno(1,2,3-cd)pyrene	0.19 J

SB-07-19	11/15/2007 0.4 - 3 ft
Metals	
Arsenic	14.9
Barium	156 J
Copper	73.7
Lead	143 J
Mercury	0.139 J
Selenium	1.7
Zinc	135 J
PAHs	
Benzo(a)anthracene	0.071 J
Benzo(a)pyrene	0.054 J
Benzo(b)fluoranthene	0.066 J
Benzo(k)fluoranthene	< 2.3
Chrysene	0.048 J
Dibenzo(a,h)anthracene	< 2.3
Fluoranthene	0.072 J
Indeno(1,2,3-cd)pyrene	< 2.3

ANALYTE	NYSDEC PART 375 UNRESTRICTED USE SCO (MG/KG)
Arsenic	13
Barium	350
Benz(a)anthracene	1
Benzo(a)pyrene	1
Benzo(b)fluoranthene	1
Benzo(k)fluoranthene	0.8
Chrysene	1
Copper	50
Dibenz(a,h)anthracene	0.33
Fluoranthene	100
Indeno(1,2,3-cd)pyrene	0.5
Lead	63
Mercury	0.18
Selenium	3.9
Zinc	109

LEGEND:

- PROPERTY LINE
- MONITORING WELL
- SOIL BORING
- SURFACE SOIL SAMPLE
- TEST PIT
- STREAM GAUGE
- HAND AUGER

NOTES:

1. DATABOX UNITS IN MG/KG.
2. RESIDENTIAL SOIL SAMPLES COMPARED TO NYSDEC PART 375 UNRESTRICTED USE SOIL CLEANUP OBJECTIVES.
3. CHEMICALS LISTED ARE THOSE THAT EXCEED CRITERIA AT ONE OR MORE RESIDENTIAL LOCATIONS.
4. TOTAL PAHs ARE CALCULATED BY SUMMING THE DETECTED PAH CONCENTRATIONS IN EACH SAMPLE.
5. RESULT VALUES AND LOCATION SYMBOLS IN RED INDICATE CRITERIA EXCEEDED. RESULT VALUES IN BLACK AND LOCATION SYMBOLS IN GREEN INDICATE CRITERIA NOT EXCEEDED.
6. <: RESULT NOT DETECTED ABOVE INDICATED REPORTING LIMIT J: ESTIMATED RESULT
7. SEE ASSOCIATED TABLE FOR A FULL LIST OF ANALYTICAL RESULTS.

N W E S

0 50 100 150 200

SCALE IN FEET

HALEY & ALDRICH

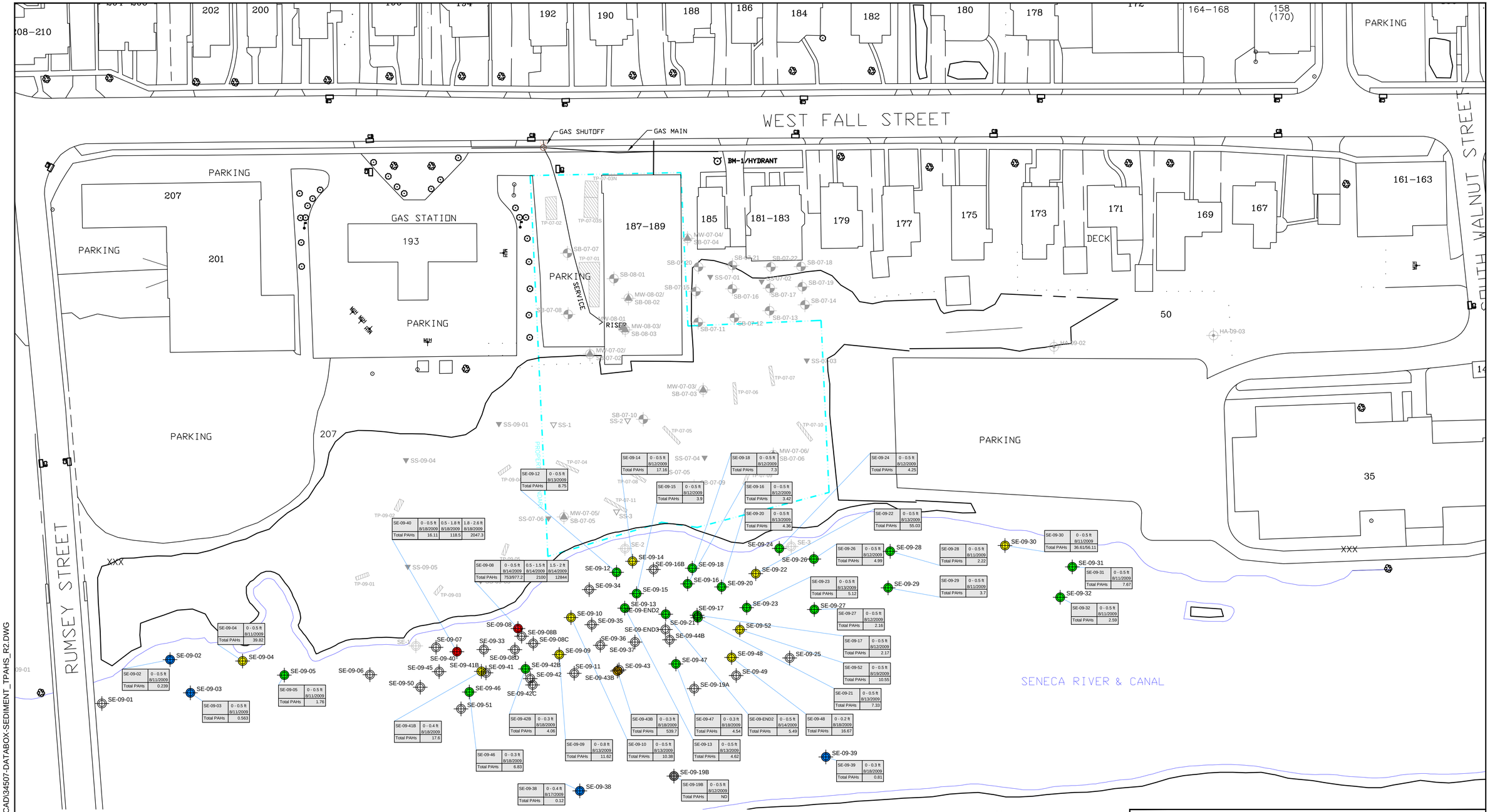
SENECA FALLS FORMER MGP
187 FALL STREET
SENECA FALLS, NEW YORK

RESIDENTIAL SOIL: DISTRIBUTION OF CONSTITUENTS IN SUBSURFACE SOIL

SCALE: AS SHOWN
APRIL 2013

FIGURE 14

G:\34507_SENECA_FALLS\GLOBAL\CAD\34507-DATABOX-SOIL-OFFSITE-RESIDENTIAL-SUBSURFACE_R3.DWG



LEGEND:

- PROPERTY LINE
- MONITORING WELL
- SOIL BORING
- SURFACE SOIL SAMPLE
- TEST PIT
- STREAM GAUGE
- SEDIMENT LOCATION
- HAND AUGER LOCATION

DOT COLOR LEGEND: TOTAL PAHs

- NON-DETECT TO 0.1 MG/KG
- 0.1 TO 1 MG/KG
- 1 TO 10 MG/KG
- 10 TO 100 MG/KG
- 100 TO 1000 MG/KG
- >1000 MG/KG

NOTES:
1. DATABOX UNITS IN MG/KG.
2. ND: PAH RESULTS NOT DETECTED ABOVE REPORTING LIMITS.
3. TOTAL PAHs ARE CALCULATED BY SUMMING THE DETECTED PAH CONCENTRATIONS IN EACH SAMPLE.
4. DOT COLOR IS BASED ON MAXIMUM TOTAL PAHs PER SAMPLE LOCATION.
5. SEDIMENT EXPLORATION LOCATION SE-09-19 WAS NOT COMPLETED.

N
W E
S

0 40 80 120 160
SCALE IN FEET

HALEY & ALDRICH

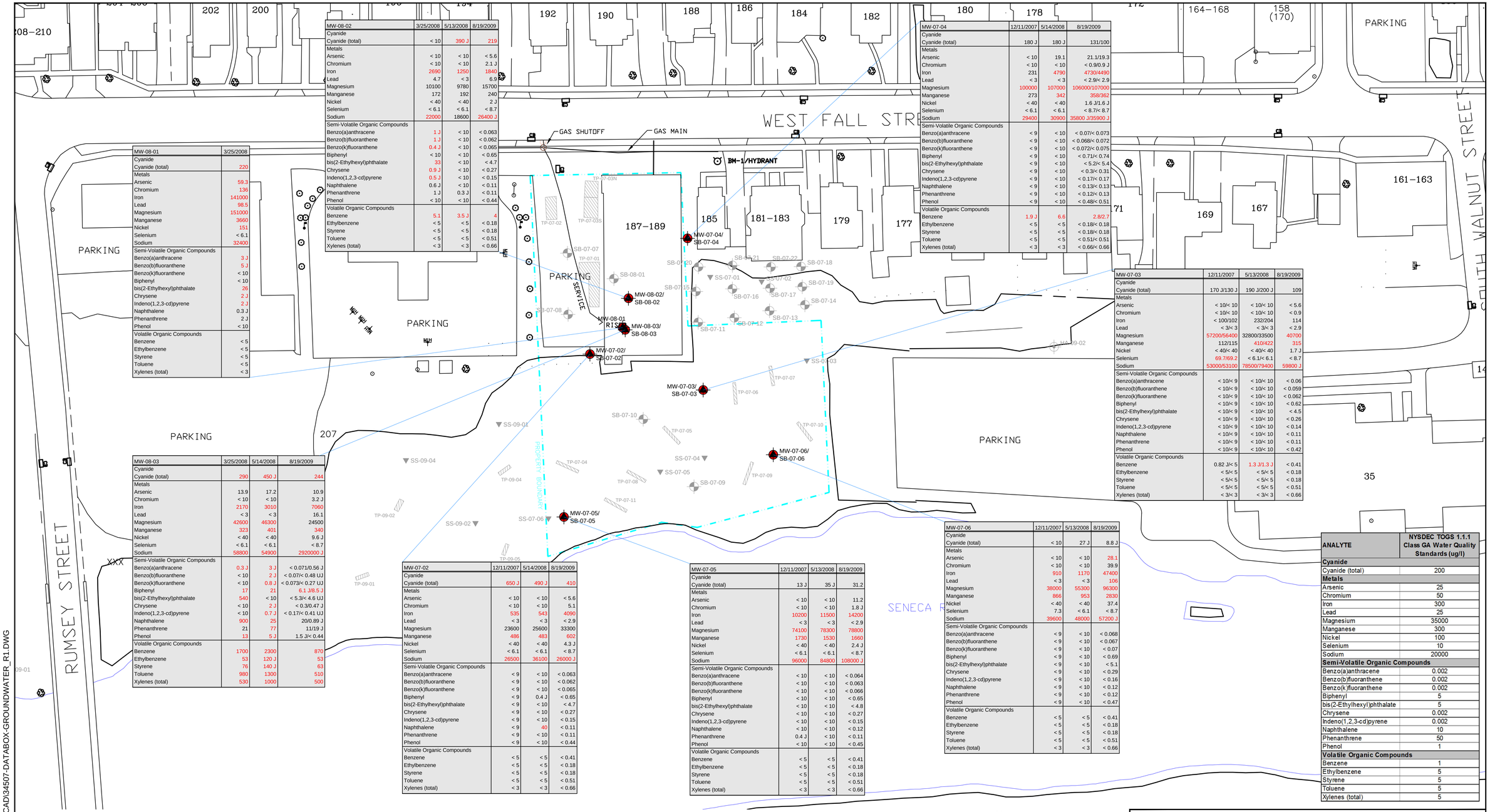
SENECA FALLS FORMER MGP
187 FALL STREET
SENECA FALLS, NEW YORK

DISTRIBUTION OF TOTAL PAHs IN SEDIMENT

SCALE: AS SHOWN
APRIL 2013

FIGURE 15

G:\34507_SENECA_FALLS\GLOBAL\CAD\34507-DATABOX-SEDIMENT_TPAHS_R2.DWG



MW-08-01	3/25/2008
Cyanide	
Cyanide (total)	220
Metals	
Arsenic	59.3
Chromium	136
Iron	141000
Lead	98.5
Magnesium	151000
Manganese	3660
Nickel	151
Selenium	< 6.1
Sodium	32400
Semi-Volatile Organic Compounds	
Benzo(a)anthracene	3 J
Benzo(b)fluoranthene	5 J
Benzo(k)fluoranthene	< 10
Biphenyl	< 10
bis(2-Ethylhexyl)phthalate	26
Chrysene	2 J
Indeno(1,2,3-cd)pyrene	2 J
Naphthalene	0.3 J
Phenanthrene	2 J
Phenol	< 10
Volatile Organic Compounds	
Benzene	< 5
Ethylbenzene	< 5
Styrene	< 5
Toluene	< 5
Xylenes (total)	< 3

MW-08-02	3/25/2008	5/13/2008	8/19/2009
Cyanide			
Cyanide (total)	< 10	390 J	219
Metals			
Arsenic	< 10	< 10	< 5.6
Chromium	< 10	< 10	2.1 J
Iron	2690	1250	1840
Lead	4.7	< 3	6.9
Magnesium	10100	9780	15700
Manganese	172	192	240
Nickel	< 40	< 40	2 J
Selenium	< 6.1	< 6.1	< 8.7
Sodium	22000	18600	26400 J
Semi-Volatile Organic Compounds			
Benzo(a)anthracene	1 J	< 10	< 0.063
Benzo(b)fluoranthene	1 J	< 10	< 0.062
Benzo(k)fluoranthene	0.4 J	< 10	< 0.065
Biphenyl	< 10	< 10	< 0.65
bis(2-Ethylhexyl)phthalate	33	< 10	< 4.7
Chrysene	0.9 J	< 10	< 0.27
Indeno(1,2,3-cd)pyrene	0.5 J	< 10	< 0.15
Naphthalene	0.6 J	< 10	< 0.11
Phenanthrene	1 J	0.3 J	< 0.11
Phenol	< 10	< 10	< 0.44
Volatile Organic Compounds			
Benzene	5.1	3.5 J	4
Ethylbenzene	< 5	< 5	< 0.18
Styrene	< 5	< 5	< 0.18
Toluene	< 5	< 5	< 0.51
Xylenes (total)	< 3	< 3	< 0.66

MW-07-04	12/11/2007	5/14/2008	8/19/2009
Cyanide			
Cyanide (total)	180 J	180 J	131/100
Metals			
Arsenic	< 10	19.1	21.1/19.3
Chromium	< 10	< 10	< 0.9/0.9 J
Iron	231	4790	4730/4490
Lead	< 3	< 3	< 2.9/< 2.9
Magnesium	100000	107000	106000/107000
Manganese	273	342	358/362
Nickel	< 40	< 40	1.6 J/1.6 J
Selenium	< 6.1	< 6.1	< 8.7/< 8.7
Sodium	29400	30900	35800 J/35900 J
Semi-Volatile Organic Compounds			
Benzo(a)anthracene	< 9	< 10	< 0.07/< 0.073
Benzo(b)fluoranthene	< 9	< 10	< 0.068/< 0.072
Benzo(k)fluoranthene	< 9	< 10	< 0.072/< 0.075
Biphenyl	< 9	< 10	< 0.71/< 0.74
bis(2-Ethylhexyl)phthalate	< 9	< 10	< 5.2/< 5.4
Chrysene	< 9	< 10	< 0.3/< 0.31
Indeno(1,2,3-cd)pyrene	< 9	< 10	< 0.17/< 0.17
Naphthalene	< 9	< 10	< 0.13/< 0.13
Phenanthrene	< 9	< 10	< 0.12/< 0.13
Phenol	< 9	< 10	< 0.48/< 0.51
Volatile Organic Compounds			
Benzene	1.9 J	6.6	2.8/2.7
Ethylbenzene	< 5	< 5	< 0.18/< 0.18
Styrene	< 5	< 5	< 0.18/< 0.18
Toluene	< 5	< 5	< 0.51/< 0.51
Xylenes (total)	< 3	< 3	< 0.66/< 0.66

MW-07-03	12/11/2007	5/13/2008	8/19/2009
Cyanide			
Cyanide (total)	170 J/130 J	190 J/200 J	109
Metals			
Arsenic	< 10/< 10	< 10/< 10	< 5.6
Chromium	< 10/< 10	< 10/< 10	< 0.9
Iron	< 100/102	232/204	114
Lead	< 3/< 3	< 3/< 3	< 2.9
Magnesium	57200/56400	32800/33500	40700
Manganese	112/115	410/422	315
Nickel	< 40/< 40	< 40/< 40	1.7 J
Selenium	69.7/69.2	< 6.1/< 6.1	< 8.7
Sodium	53000/53100	78500/79400	59800 J
Semi-Volatile Organic Compounds			
Benzo(a)anthracene	< 10/< 9	< 10/< 10	< 0.06
Benzo(b)fluoranthene	< 10/< 9	< 10/< 10	< 0.059
Benzo(k)fluoranthene	< 10/< 9	< 10/< 10	< 0.062
Biphenyl	< 10/< 9	< 10/< 10	< 0.62
bis(2-Ethylhexyl)phthalate	< 10/< 9	< 10/< 10	< 4.5
Chrysene	< 10/< 9	< 10/< 10	< 0.26
Indeno(1,2,3-cd)pyrene	< 10/< 9	< 10/< 10	< 0.14
Naphthalene	< 10/< 9	< 10/< 10	< 0.11
Phenanthrene	< 10/< 9	< 10/< 10	< 0.11
Phenol	< 10/< 9	< 10/< 10	< 0.42
Volatile Organic Compounds			
Benzene	0.82 J/< 5	1.3 J/1.3 J	< 0.41
Ethylbenzene	< 5/< 5	< 5/< 5	< 0.18
Styrene	< 5/< 5	< 5/< 5	< 0.18
Toluene	< 5/< 5	< 5/< 5	< 0.51
Xylenes (total)	< 3/< 3	< 3/< 3	< 0.66

MW-08-03	3/25/2008	5/14/2008	8/19/2009
Cyanide			
Cyanide (total)	290	450 J	244
Metals			
Arsenic	13.9	17.2	10.9
Chromium	< 10	< 10	3.2 J
Iron	2170	3010	7060
Lead	< 3	< 3	16.1
Magnesium	42600	46300	24500
Manganese	323	401	340
Nickel	< 40	< 40	9.6 J
Selenium	< 6.1	< 6.1	< 8.7
Sodium	58800	54900	2920000 J
Semi-Volatile Organic Compounds			
Benzo(a)anthracene	0.3 J	3 J	< 0.071/0.56 J
Benzo(b)fluoranthene	< 10	2 J	< 0.07/< 0.48 UJ
Benzo(k)fluoranthene	< 10	0.8 J	< 0.073/< 0.27 UJ
Biphenyl	17	21	6.1 J/8.5 J
bis(2-Ethylhexyl)phthalate	540	< 10	< 5.3/< 4.6 UJ
Chrysene	< 10	2 J	< 0.3/0.47 J
Indeno(1,2,3-cd)pyrene	< 10	0.7 J	< 0.17/< 0.41 UJ
Naphthalene	900	25	20/0.89 J
Phenanthrene	21	77	11/19 J
Phenol	13	5 J	1.5 J/< 0.44
Volatile Organic Compounds			
Benzene	1700	2300	870
Ethylbenzene	53	120 J	53
Styrene	76	140 J	63
Toluene	980	1300	510
Xylenes (total)	530	1000	500

MW-07-02	12/11/2007	5/14/2008	8/19/2009
Cyanide			
Cyanide (total)	650 J	490 J	410
Metals			
Arsenic	< 10	< 10	< 5.6
Chromium	< 10	< 10	5.1
Iron	535	543	4090
Lead	< 3	< 3	< 2.9
Magnesium	23600	25600	33300
Manganese	486	483	602
Nickel	< 40	< 40	4.3 J
Selenium	< 6.1	< 6.1	< 8.7
Sodium	26500	36100	26000 J
Semi-Volatile Organic Compounds			
Benzo(a)anthracene	< 9	< 10	< 0.063
Benzo(b)fluoranthene	< 9	< 10	< 0.062
Benzo(k)fluoranthene	< 9	< 10	< 0.065
Biphenyl	< 9	0.4 J	< 0.65
bis(2-Ethylhexyl)phthalate	< 9	< 10	< 4.7
Chrysene	< 9	< 10	< 0.27
Indeno(1,2,3-cd)pyrene	< 9	< 10	< 0.15
Naphthalene	< 9	40	< 0.11
Phenanthrene	< 9	< 10	< 0.11
Phenol	< 9	< 10	< 0.44
Volatile Organic Compounds			
Benzene	< 5	< 5	< 0.41
Ethylbenzene	< 5	< 5	< 0.18
Styrene	< 5	< 5	< 0.18
Toluene	< 5	< 5	< 0.51
Xylenes (total)	< 3	< 3	< 0.66

MW-07-05	12/11/2007	5/13/2008	8/19/2009
Cyanide			
Cyanide (total)	13 J	35 J	31.2
Metals			
Arsenic	< 10	< 10	11.2
Chromium	< 10	< 10	1.8 J
Iron	10200	11500	14200
Lead	< 3	< 3	< 2.9
Magnesium	74100	78300	78800
Manganese	1730	1530	1660
Nickel	< 40	< 40	2.4 J
Selenium	< 6.1	< 6.1	< 8.7
Sodium	96000	84800	108000 J
Semi-Volatile Organic Compounds			
Benzo(a)anthracene	< 10	< 10	< 0.064
Benzo(b)fluoranthene	< 10	< 10	< 0.063
Benzo(k)fluoranthene	< 10	< 10	< 0.066
Biphenyl	< 10	< 10	< 0.65
bis(2-Ethylhexyl)phthalate	< 10	< 10	< 4.8
Chrysene	< 10	< 10	< 0.27
Indeno(1,2,3-cd)pyrene	< 10	< 10	< 0.15
Naphthalene	< 10	< 10	< 0.12
Phenanthrene	0.4 J	< 10	< 0.11
Phenol	< 10	< 10	< 0.45
Volatile Organic Compounds			
Benzene	< 5	< 5	< 0.41
Ethylbenzene	< 5	< 5	< 0.18
Styrene	< 5	< 5	< 0.18
Toluene	< 5	< 5	< 0.51
Xylenes (total)	< 3	< 3	< 0.66

MW-07-06	12/11/2007	5/13/2008	8/19/2009
Cyanide			
Cyanide (total)	< 10	27 J	8.8 J
Metals			
Arsenic	< 10	< 10	28.1
Chromium	< 10	< 10	39.9
Iron	910	1170	47400
Lead	< 3	< 3	106
Magnesium	38000	55300	96300
Manganese	866	953	2830
Nickel	< 40	< 40	37.4
Selenium	7.3	< 6.1	< 8.7
Sodium	39600	48000	57200 J
Semi-Volatile Organic Compounds			
Benzo(a)anthracene	< 9	< 10	< 0.068
Benzo(b)fluoranthene	< 9	< 10	< 0.067
Benzo(k)fluoranthene	< 9	< 10	< 0.07
Biphenyl	< 9	< 10	< 0.69
bis(2-Ethylhexyl)phthalate	< 9	< 10	< 5.1
Chrysene	< 9	< 10	< 0.29
Indeno(1,2,3-cd)pyrene	< 9	< 10	< 0.16
Naphthalene	< 9	< 10	< 0.12
Phenanthrene	< 9	< 10	< 0.12
Phenol	< 9	< 10	< 0.47
Volatile Organic Compounds			
Benzene	< 5	< 5	< 0.41
Ethylbenzene	< 5	< 5	< 0.18
Styrene	< 5	< 5	< 0.18
Toluene	< 5	< 5	< 0.51
Xylenes (total)	< 3	< 3	< 0.66

ANALYTE	NYSDEC TOGS 1.1.1 Class GA Water Quality Standards (ug/l)
Cyanide	
Cyanide (total)	200
Metals	
Arsenic	25
Chromium	50
Iron	300
Lead	25
Magnesium	35000
Manganese	300
Nickel	100
Selenium	10
Sodium	20000
Semi-Volatile Organic Compounds	
Benzo(a)anthracene	0.002
Benzo(b)fluoranthene	0.002
Benzo(k)fluoranthene	0.002
Biphenyl	5
bis(2-Ethylhexyl)phthalate	5
Chrysene	0.002
Indeno(1,2,3-cd)pyrene	0.002
Naphthalene	10
Phenanthrene	50
Phenol	1
Volatile Organic Compounds	
Benzene	1
Ethylbenzene	5
Styrene	5
Toluene	5
Xylenes (total)	5

LEGEND:
- PROPERTY LINE
- MONITORING WELL
- SOIL BORING
- SURFACE SOIL SAMPLE
- TEST PIT
- STREAM GAUGE
- HAND AUGER LOCATION

NOTES:
1. DATABOX UNITS IN UG/L.
2. GROUNDWATER SAMPLES COMPARED TO NYSDEC TOGS 1.1.1 CLASS GA WATER QUALITY STANDARDS.
3. CHEMICALS LISTED ARE THOSE THAT EXCEED CRITERIA IN ONE OR MORE SAMPLES.
4. RESULT VALUES AND LOCATION SYMBOLS IN RED INDICATE CRITERIA EXCEEDED. RESULT VALUES IN BLACK AND LOCATION SYMBOLS IN GREEN INDICATE CRITERIA NOT EXCEEDED.
5. <: RESULT NOT DETECTED ABOVE INDICATED REPORTING LIMIT J: ESTIMATED RESULT
6. SEE ASSOCIATED TABLE FOR A FULL LIST OF ANALYTICAL RESULTS.

N W E S

0 40 80 120 160
SCALE IN FEET

HALEY & ALDRICH

SENECA FALLS FORMER MGP
187 FALL STREET
SENECA FALLS, NEW YORK

DISTRIBUTION OF CONSTITUENTS IN GROUNDWATER

SCALE: AS SHOWN
APRIL 2013

FIGURE 16

G:\34507_SENECA_FALLS\GLOBAL\CAD\34507-DATABOX-GROUNDWATER_R1.DWG

APPENDIX A

Environmental Database Search Report



The EDR Radius Map
with GeoCheck®

Seneca Falls Former MGP Site
187 Fall Street
Seneca Falls, NY 13148

Inquiry Number: 1953068.3s

June 13, 2007

The Standard in Environmental Risk Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

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GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

187 FALL STREET
SENECA FALLS, NY 13148

COORDINATES

Latitude (North):	42.910500 - 42° 54' 37.8''
Longitude (West):	76.804100 - 76° 48' 14.8''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	352731.6
UTM Y (Meters):	4752240.0
Elevation:	455 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	42076-H7 SENECA FALLS, NY
Most Recent Revision:	1978

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 6 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
NYSEG - SENECA FALLS COAL GAS 174-175 FALL ST SENECA FALLS, NY 13148	Manufactured Gas Plants	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

FEDERAL RECORDS

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
Delisted NPL ---------- National Priority List Deletions

EXECUTIVE SUMMARY

NPL LIENS Federal Superfund Liens
CERC-NFRAP CERCLIS No Further Remedial Action Planned
ERNS Emergency Response Notification System
HMIRS Hazardous Materials Information Reporting System
US ENG CONTROLS Engineering Controls Sites List
US INST CONTROL Sites with Institutional Controls
DOD Department of Defense Sites
FUDS Formerly Used Defense Sites
US BROWNFIELDS A Listing of Brownfields Sites
CONSENT Superfund (CERCLA) Consent Decrees
ROD Records Of Decision
UMTRA Uranium Mill Tailings Sites
ODI Open Dump Inventory
TRIS Toxic Chemical Release Inventory System
TSCA Toxic Substances Control Act
FTTS FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS Section 7 Tracking Systems
LIENS 2 CERCLA Lien Information
RADINFO Radiation Information Database
US CDL Clandestine Drug Labs
HIST FTTS FIFRA/TSCA Tracking System Administrative Case Listing
ICIS Integrated Compliance Information System
LUCIS Land Use Control Information System
DOT OPS Incident and Accident Data
PADS PCB Activity Database System
MLTS Material Licensing Tracking System
MINES Mines Master Index File
FINDS Facility Index System/Facility Registry System
RAATS RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

HSWDS Hazardous Substance Waste Disposal Site Inventory
DEL SHWS Delisted Registry Sites
SWF/LF Facility Register
SWRCY Registered Recycling Facility List
SWTIRE Registered Waste Tire Storage & Facility List
CBS UST Chemical Bulk Storage Database
MOSF UST Major Oil Storage Facilities Database
AST Petroleum Bulk Storage
CBS AST Chemical Bulk Storage Database
HIST AST Historical Petroleum Bulk Storage Database
MOSF AST Major Oil Storage Facilities Database
ENG CONTROLS Registry of Engineering Controls
DRYCLEANERS Registered Drycleaners
BROWNFIELDS Brownfields Site List
SPDES State Pollutant Discharge Elimination System
AIRS Air Emissions Data
CBS Chemical Bulk Storage Site Listing
RES DECL Restrictive Declarations Listing
MOSF Major Oil Storage Facility Site Listing

TRIBAL RECORDS

INDIAN RESERV Indian Reservations

EXECUTIVE SUMMARY

INDIAN LUST Leaking Underground Storage Tanks on Indian Land
INDIAN UST Underground Storage Tanks on Indian Land

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL RECORDS

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 02/27/2007 has revealed that there is 1 CERCLIS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
I T T GOULDS PUMPS	***240 FALL ST***	***1/4 - 1/2 W***	***E23***	***97***

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/14/2007 has revealed that there are 2 CORRACTS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
I T T GOULDS PUMPS	***240 FALL ST***	***1/4 - 1/2 W***	***E23***	***97***
GTE PROD CORP	***JOHNSTON ST***	***1/2 - 1 ENE***	***25***	***123***

RCRAInfo: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery

Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-TSDF list, as provided by EDR, and dated 06/13/2006 has revealed that there is 1 RCRA-TSDF site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
I T T GOULDS PUMPS	*240 FALL ST*	*1/4 - 1/2 W*	*E23*	*97*

RCRAInfo: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-LQG list, as provided by EDR, and dated 06/13/2006 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
MATTHEWS INT. CORP SENECA FALL	*25 CHESTNUT ST*	*1/8 - 1/4 NNW*	*19*	*59*

RCRAInfo: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database includes selective information on sites which generate, transport, store , treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/13/2006 has revealed that there are 3 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
SUNOCO SERVICE STATION	*193 W FALL ST*	*0 - 1/8 W*	*A3*	*7*
KOCH CHRYSLER PLYMOUTH	*201 FALL ST*	*0 - 1/8 W*	*D12*	*39*
Lower Elevation	**Address**	**Dist / Dir**	**Map ID**	**Page**
WOMENS RIGHTS N H P	*116 TO 122 FALL ST*	*1/8 - 1/4 E*	*18*	*55*

EXECUTIVE SUMMARY

STATE AND LOCAL RECORDS

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Conservation's Inactive Hazardous waste Disposal Sites in New York State.

A review of the SHWS list, as provided by EDR, and dated 03/05/2007 has revealed that there is 1 SHWS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
GOULDS PUMPS	***240 FALL STREET***	***1/4 - 1/2 W***	***E22***	***85***
Class Code: Site is properly closed - requires continued management.				

LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the LTANKS list, as provided by EDR, and dated 04/02/2007 has revealed that there are 3 LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
ATLANTIC GAS STATION	***193 WESTFALL STREET***	***0 - 1/8 W***	***B6***	***23***
Date Closed: 04/25/92				
ATLANTIC REFINING	***193 FALLS STREET***	***0 - 1/8 W***	***B8***	***28***
Date Closed: 08/10/89				

Lower Elevation	Address	Dist / Dir	Map ID	Page
FORMER KNITTING MILLS	***1 CANAL STREET***	***1/4 - 1/2 ESE***	***24***	***120***
Date Closed: 04/14/00				

HIST LTANKS: A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database.

A review of the HIST LTANKS list, as provided by EDR, and dated 01/01/2002 has revealed that there are 3 HIST LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
ATLANTIC GAS STATION	***193 WESTFALL STREET***	***0 - 1/8 W***	***B6***	***23***
ATLANTIC REFINING	***193 FALLS STREET***	***0 - 1/8 W***	***B8***	***28***

Lower Elevation	Address	Dist / Dir	Map ID	Page
FORMER KNITTING MILLS	***1 CANAL STREET***	***1/4 - 1/2 ESE***	***24***	***120***

EXECUTIVE SUMMARY

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the UST list, as provided by EDR, and dated 04/02/2007 has revealed that there are 4 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
SENECA FALLS SUNOCO	*193 FALL STREET*	*0 - 1/8 W*	*A4*	*8*
KOCH CHRYSLER/PLYMOUTH	*201 FALL STREET*	*0 - 1/8 W*	*D11*	*34*
NICE N EASY GROCERY SHOPPE #32	*205 FALL STREET*	*0 - 1/8 W*	*D14*	*44*
Lower Elevation	**Address**	**Dist / Dir**	**Map ID**	**Page**
WOMAN'S RIGHTS NATIONAL HISTOR	*126-136 FALL STREET*	*1/8 - 1/4 E*	*20*	*77*

HIST UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the HIST UST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 4 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
SENECA FALLS SUNOCO	*193 FALL STREET*	*0 - 1/8 W*	*A4*	*8*
KOCH CHRYSLER/PLYMOUTH	*201 FALL STREET*	*0 - 1/8 W*	*D11*	*34*
NICE N EASY GROCERY SHOPPE #32	*205 FALL STREET*	*0 - 1/8 W*	*D14*	*44*
Lower Elevation	**Address**	**Dist / Dir**	**Map ID**	**Page**
WOMAN'S RIGHTS NATIONAL HISTOR	*126-136 FALL STREET*	*1/8 - 1/4 E*	*20*	*77*

MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 10/26/2006 has revealed that there are 4 NY MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
SUNOCO SERVICE STATION	*193 W FALL ST*	*0 - 1/8 W*	*A3*	*7*
KOCH CHRYSLER PLYMOUTH	*201 FALL ST*	*0 - 1/8 W*	*D12*	*39*
MATTHEWS INT. CORP SENECA FALL	*25 CHESTNUT ST*	*1/8 - 1/4 NNW*	*19*	*59*
Lower Elevation	**Address**	**Dist / Dir**	**Map ID**	**Page**
WOMENS RIGHTS N H P	*116 TO 122 FALL ST*	*1/8 - 1/4 E*	*18*	*55*

EXECUTIVE SUMMARY

SPILLS: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 04/02/2007 has revealed that there are 9 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
SUNOCO Date Closed: 04/14/04	193 WEST FALL STREET	0 - 1/8 W	A2	6
PARADISE CONSTRUCTION Date Closed: 11/02/92	***176 WEST FALL STREET***	***0 - 1/8 E***	***5***	***20***
ATLANTIC STATION Date Closed: 04/26/01	***193 WEST FALLS STREET***	***0 - 1/8 W***	***B7***	***25***
MILLER (#25 & #31) STREET Date Closed: 06/01/86	***31 MILLER ST / 25 MILLE***	***0 - 1/8 NNE***	***C9***	***30***
40 MILLER STREET FLOODING Date Closed: 02/03/06	40 MILLER STREET	0 - 1/8 NNE	C10	32
SENECA FALLS PUBLIC WORKS Date Closed: 09/19/06	***28 OAK STREET***	***0 - 1/8 N***	***17***	***53***

Lower Elevation	Address	Dist / Dir	Map ID	Page
JIMMERS GARAGE Date Closed: 12/20/00	***1 WALNUT HILL***	***0 - 1/8 E***	***13***	***42***
STEVERS GARAGE Date Closed: 10/22/90	***1 WALNUT STREET***	***0 - 1/8 E***	***15***	***48***
P KOCH CHRYSLER PLYMOUTH Date Closed: 03/26/91	***201 FALLS STREET***	***0 - 1/8 WSW***	***16***	***50***

HIST SPILLS: This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database.

A review of the NY Hist Spills list, as provided by EDR, and dated 01/01/2002 has revealed that there are 7 NY Hist Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
PARADISE CONSTRUCTION	***176 WEST FALL STREET***	***0 - 1/8 E***	***5***	***20***
ATLANTIC STATION	***193 WEST FALLS STREET***	***0 - 1/8 W***	***B7***	***25***
MILLER (#25 & #31) STREET	***31 MILLER ST / 25 MILLE***	***0 - 1/8 NNE***	***C9***	***30***
SENECA FALLS PUBLIC WORKS	***28 OAK STREET***	***0 - 1/8 N***	***17***	***53***

Lower Elevation	Address	Dist / Dir	Map ID	Page
JIMMERS GARAGE	***1 WALNUT HILL***	***0 - 1/8 E***	***13***	***42***
STEVERS GARAGE	***1 WALNUT STREET***	***0 - 1/8 E***	***15***	***48***
P KOCH CHRYSLER PLYMOUTH	***201 FALLS STREET***	***0 - 1/8 WSW***	***16***	***50***

INST CONTROL: Environmental Remediation sites that have institutional controls in place.

A review of the INST CONTROL list, as provided by EDR, and dated 03/05/2007 has revealed that there is 1 INST CONTROL site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
GOULDS PUMPS	***240 FALL STREET***	***1/4 - 1/2W***	***E22***	***85***

NY VCP: Voluntary Cleanup Agreements. The voluntary remedial program uses private monies to get contaminated sites remediated to levels allowing for the sites' productive use. The program covers virtually any kind of site and contamination.

A review of the VCP list, as provided by EDR, and dated 03/05/2007 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
NORTHWEST STORAGE AREA	240 FALL STREET	1/4 - 1/2W	E21	84

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
NYSDOT BRIDGE BIN 4001970	RCRA-SQG, FINDS, NY MANIFEST
NYSDOT BIN 4034310	RCRA-SQG, FINDS, NY MANIFEST
SENECA FALLS COCA COLA	RCRA-SQG, FINDS, NY MANIFEST
VILLAGE OF SENECA FALLS	NY MANIFEST
NYSDOT BRIDGE BIN 4435080	RCRA-SQG, FINDS, NY MANIFEST
TOWN OF SENECA FALLS	NY MANIFEST
NYSDOT BRIDGE BIN 4060410	FINDS, RCRA-LQG, NY MANIFEST
R.L. SESSLER SCAVENGER WASTE DISPOSAL	SHWS
NYEG - BORDER CITY - GENEVA MGP	SHWS
S & S CYCLE	SWF/LF
GAIL ABBOTT PROPERTY	SWF/LF
TIRE SOLUTIONS INTERNATIONAL; INC.	SWF/LF
AREA LINE & TREE CO.	SWF/LF
MARRO'S EQUIP & TRUCK INC	LTANKS, NY Spills, NY Hist Spills, HIST LTANKS
HUDSON OIL COMPANY	LTANKS, HIST LTANKS
MONTAZUMA NATIONAL REFUGE	LTANKS, HIST LTANKS
MONTEZUMA WILDLIFE REFUGE	LTANKS, HIST LTANKS
2085 ROUTE 5 & 20	LTANKS, HIST LTANKS
BILL CRAM CHEVY-OLDS	LTANKS
GRIFFITH - HORTON'S SHELL	LTANKS
GRIFFITH - HORTON'S SHELL	HIST LTANKS
SCIPIOVILLE GARAGE	UST, HIST UST
MONTEZUMA NATIONAL WILDLIFE REFUGE	UST
SENECA FALLS MINI MART	UST
SENECA FALLS CENTRAL SCHOOL	UST, HIST UST
NYS OFFICE OF PARKS, REC & HIST PRES	UST
VILLAGE OF SENECA FALLS	UST
TOWN OF TYRE	UST
E-Z STOP	UST
OPTIMA #0761-4779	UST
SENECA FALLS CENTRAL SCHOOL	UST
PETRO STOPPING CENTER #71	UST
B E WRIGHT DISTRIBUTING CORP	UST
RODMAN LOTT & SONS FARMS	AST, HIST AST
MONTEZUMA NATIONAL WILDLIFE REFUGE	AST, HIST UST
NYS OFFICE OF PARKS, REC & HIST PRES	AST, HIST UST
WAL-MART STORE #1705	AST
B E WRIGHT DISTRIBUTING CORP	AST
SUNOCO SERVICE STATION	RCRA-SQG, FINDS
CAYUGA & SENECA CANAL DAM NO 1	FINDS
SENECA FALLS WAL-MART	FINDS
SHERMAN CNG METER SITE	FINDS
SENECA FALLS - V WASTE HAULING	FINDS
SENECA HOSPITAL	FINDS
ALDI / KINNEY S - SENECA FALLS	FINDS
SENECA CO CHAMBER OF COMMERCE BUILDING	FINDS

EXECUTIVE SUMMARY

SENECA FALLS PERMISSIVE SERVICE AREA	FINDS
WATERLOO AND SENECA FALLS HYDRO PROJECT	FINDS
SENECA FALLS COMMUNITY CENTER	FINDS
TRAYMEN, DARYL	NY Spills, NY Hist Spills
NICE & EASY STORE	NY Spills, NY Hist Spills
SENECA MEADOWS LANDFILL	NY Spills
SENECA MEADOWS ROAD SWEEPER	NY Spills
NYSDOT ROUTE 414	NY Spills, NY Hist Spills
EQUITABLE GAS	NY Spills, NY Hist Spills
SHERIDAN OIL COMPANY	NY Spills, NY Hist Spills
RODMAN LOTT FARM	NY Spills, NY Hist Spills
WRIGHT WISNER DISTRIBUTIO	NY Spills
FINGERLAKES TRUCK REPAIR	NY Spills
PETRO STOPPING	NY Spills
SENECA CO CHAMBER OF COMM	NY Spills, NY Hist Spills
AUBURN ROAD PUMP STATION	NY Spills, NY Hist Spills
ROBINSON CONCRETE	NY Spills, NY Hist Spills
PIC-QUICK FOOD MART	NY Spills, NY Hist Spills
PADULLA TRUCKING & CONST.	NY Spills, NY Hist Spills
L R EXCAVATING	NY Spills, NY Hist Spills
MONTEZUMA NAT'L WILDLIFE	NY Spills, NY Hist Spills
KJ TRANSPORTATION	NY Spills, NY Hist Spills
CELADON TRUCKING	NY Spills
AMREX CHEMICAL	NY Spills, NY Hist Spills
AMREX CHEMICAL	NY Spills
SENECA BAPTIST CHURCH	NY Spills, NY Hist Spills
SENECA-CAYUGA CANAL	NY Spills, NY Hist Spills
CORNER OF WALNUT/WESTFALL STREET	NY Spills
B E WRIGHT INC	NY Spills, NY Hist Spills
SENECA FALLS WWTP	NY Spills
SENECA FALLS HYDRO PLANT	NY Spills, NY Hist Spills
SENECA FALLS WTP	NY Spills, NY Hist Spills
SENECA FALLS HYDRO STA 25	NY Spills, NY Hist Spills
SENECA FALLS (V) STP	NY Spills, NY Hist Spills
BETHEL TRANSPORT	NY Spills, NY Hist Spills
CAYUGA STREET PARK	NY Spills, NY Hist Spills
TALL OAK SUBDIVION	NY Spills, NY Hist Spills
PEOPLE'S PARK	NY Spills, NY Hist Spills
BARGE CANAL	NY Spills, NY Hist Spills
SENECA FALLS HIGH SCHOOL	NY Spills
SENECA RIVER BRIDGE	NY Spills, NY Hist Spills
BACH INC	NY Spills, NY Hist Spills
BARNER (RICHARD) HOME	NY Spills, NY Hist Spills
NICE AND EASY	NY Spills
SENECA IRON & STEEL	NY Spills, NY Hist Spills
NICE & EASY CONVIENENT	NY Spills, NY Hist Spills
ROUTE 414 MVA	NY Spills
NICE & EASY GAS	NY Spills
NICE & EASY #21	NY Spills
NEAR MONTEZUMA WILDLIFE	NY Spills, NY Hist Spills
ROUTE 5 & 20 MVA	NY Spills, NY Hist Spills
AGWAY	NY Spills, NY Hist Spills
MONTEZUMA WILDLIFE REFUGE	NY Spills, NY Hist Spills
MARTIN (AMOS) RESIDENCE	NY Spills
NYS ERIE CANAL-LOCK #25	NY Spills

EXECUTIVE SUMMARY

CLYDE RIVER / BARGE CANAL	NY Spills, NY Hist Spills
NEW YORK STATE THRUWAY	NY Spills, NY Hist Spills
STATE ROUTE 318 MVA	NY Spills
CANAL LOCK #E-25	NY Spills, NY Hist Spills
NYSEG, SENECA FALLS	HSWDS
SENECA FALLS LANDFILL	ODI
B E WRIGHT, INC	HIST UST

OVERVIEW MAP - 1953068.3s



0 1/4 1/2 1 Miles

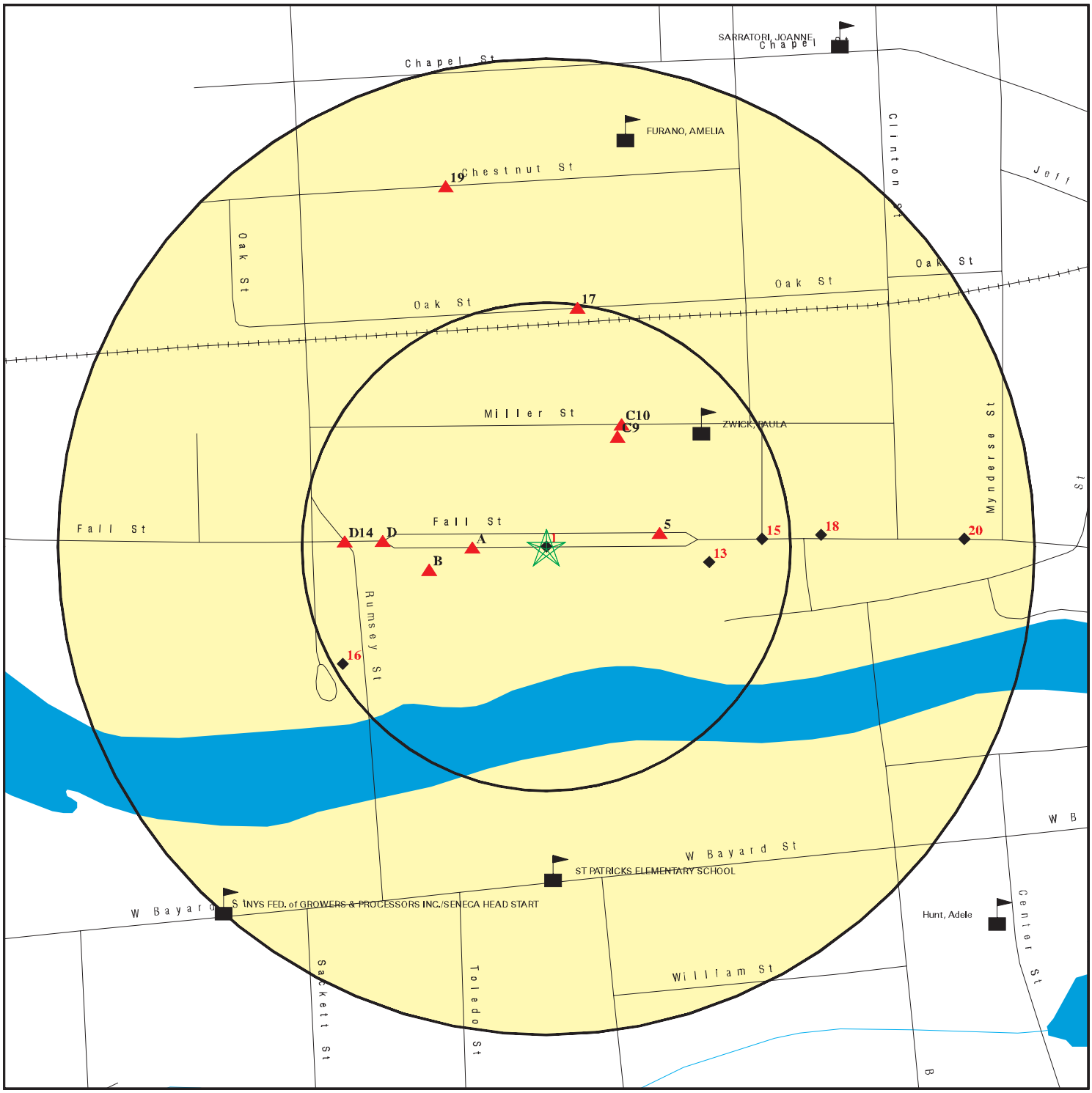
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Seneca Falls Former MGP Site ADDRESS: 187 Fall Street Seneca Falls NY 13148 LAT/LONG: 42.9105 / 76.8041	CLIENT: Haley & Aldrich, Inc. CONTACT: Tina Gross INQUIRY #: 1953068.3s DATE: June 13, 2007 5:03 pm

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DETAIL MAP - 1953068.3s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Seneca Falls Former MGP Site	CLIENT: Haley & Aldrich, Inc.
ADDRESS: 187 Fall Street Seneca Falls NY 13148	CONTACT: Tina Gross INQUIRY #: 1953068.3s
LAT/LONG: 42.9105 / 76.8041	DATE: June 13, 2007 5:03 pm

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL RECORDS								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	1	NR	NR	1
CERC-NFRAP		0.500	0	0	0	NR	NR	0
CORRACTS		1.000	0	0	1	1	NR	2
RCRA TSD		0.500	0	0	1	NR	NR	1
RCRA Lg. Quan. Gen.		0.250	0	1	NR	NR	NR	1
RCRA Sm. Quan. Gen.		0.250	2	1	NR	NR	NR	3
ERNS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
LIENS 2		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
DOT OPS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
STATE AND LOCAL RECORDS								
HSWDS		0.500	0	0	0	NR	NR	0
State Haz. Waste		1.000	0	0	1	0	NR	1
DEL SHWS		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	0	NR	NR	0
SWTIRE		0.500	0	0	0	NR	NR	0
LTANKS		0.500	2	0	1	NR	NR	3
HIST LTANKS		0.500	2	0	1	NR	NR	3

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST		0.250	3	1	NR	NR	NR	4
CBS UST		0.250	0	0	NR	NR	NR	0
MOSF UST		0.500	0	0	0	NR	NR	0
HIST UST		0.250	3	1	NR	NR	NR	4
AST		0.250	0	0	NR	NR	NR	0
CBS AST		0.250	0	0	NR	NR	NR	0
HIST AST		TP	NR	NR	NR	NR	NR	0
MOSF AST		0.500	0	0	0	NR	NR	0
MANIFEST		0.250	2	2	NR	NR	NR	4
NY Spills		0.125	9	NR	NR	NR	NR	9
NY Hist Spills		0.125	7	NR	NR	NR	NR	7
ENG CONTROLS		0.500	0	0	0	NR	NR	0
INST CONTROL		0.500	0	0	1	NR	NR	1
VCP		0.500	0	0	1	NR	NR	1
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
BROWNFIELDS		0.500	0	0	0	NR	NR	0
SPDES		TP	NR	NR	NR	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
CBS		0.250	0	0	NR	NR	NR	0
RES DECL		0.180	0	0	NR	NR	NR	0
MOSF		0.500	0	0	0	NR	NR	0
TRIBAL RECORDS								
INDIAN RESERV		1.000	0	0	0	0	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
EDR PROPRIETARY RECORDS								
Manufactured Gas Plants	X	1.000	0	0	0	0	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1 **NYSEG - SENECA FALLS COAL GAS** **Manufactured Gas Plants** **1008408042**
Target **174-175 FALL ST** **N/A**
Property **SENECA FALLS, NY 13148**

Actual:
454 ft.

A2 **SUNOCO** **NY Spills** **S106384878**
West **193 WEST FALL STREET** **N/A**
< 1/8 **SENECA FALLS, NY**
200 ft.

Site 1 of 3 in cluster A

Relative:
Higher

Actual:
458 ft.

NY Spills:

Site ID:	316978
Facility Addr2:	Not reported
Facility ID:	0400452
Spill Number:	0400452
Facility Type:	ER
SWIS:	5032
Region of Spill:	8
Investigator:	JRMARCHI
Referred To:	Not reported
Spill Date:	04/14/04
Reported to Dept:	04/14/04
CID:	27
Spill Cause:	Other
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Federal Government
Cleanup Ceased:	04/14/04
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	04/14/04
Remediation Phase:	0
Date Entered In Computer:	04/14/04
Spill Record Last Update:	04/28/04
Spiller Name:	Not reported
Spiller Company:	CUSTOMER
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	DAVID BENDER
Contact Phone:	(315) 466-6215
DEC Region:	8
Program Number:	0400452
DER Facility ID:	255530
Site ID:	316978
Operable Unit ID:	884781
Operable Unit:	01
Material ID:	491705
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum

SUNOCO (Continued) **S106384878**

Quantity: 12.00
Units: Gallons
Recovered: 12.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Start DECRemark - 0400452 Prior to Sept, 2004 data translation this spill Lead DEC Field was "JM" END DECRemark - 0400452
Remarks: Start CallerRemark - 0400452 A customer spilled about 12 gallons of gas to the asphalt. The spill has been contained and cleaned up by the fire department. Faxed to JM. No further action needed by Spills. END CallerRemark - 0400452

A3 **SUNOCO SERVICE STATION** **RCRA-SQG** **1004757455**
West **193 W FALL ST** **FINDS** **NYD986935443**
< 1/8 **SENECA FALLS, NY 13148** **NY MANIFEST**
200 ft.

Site 2 of 3 in cluster A

Relative: Higher

Actual: 458 ft.

RCRAInfo:
Owner: SUN COMPANY INC R & M
(610) 941-9054
EPA ID: NYD986935443

Contact: SUSAN HICKEY
(610) 941-9054

Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
Document ID: NYB5740488
Manifest Status: Completed copy
Trans1 State ID: Not reported
Trans2 State ID: Not reported
Generator Ship Date: 930813
Trans1 Recv Date: 930813
Trans2 Recv Date: Not reported
TSD Site Recv Date: 930813
Part A Recv Date: 930827
Part B Recv Date: 930826
Generator EPA ID: NYD986935443
Trans1 EPA ID: NYD095577342
Trans2 EPA ID: Not reported
TSDF ID: NYD095577342
Waste Code: D001 - NON-LISTED IGNITABLE WASTES

SUNOCO SERVICE STATION (Continued) **1004757455**

Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93
Facility Type:	Generator
EPA ID:	NYD986935443
Facility Name:	SUN COMPANY INCORPORATED
Facility Address:	193 WEST FALLS STREET
Facility City:	SENECA FALLS
Facility Zip 4:	Not reported
Country:	Not reported
County:	SENECA
Mailing Name:	SUN COMPANY INCORPORATED
Mailing Contact:	SEAN CARTER
Mailing Address:	1835 MARKET STREET
Mailing City:	PHILADELPHIA
Mailing State:	PA
Mailing Zip:	19103
Mailing Zip4:	Not reported
Mailing Country:	Not reported
Mailing Phone:	215-977-6136

A4 **SENECA FALLS SUNOCO** **UST** **U003314150**
West **193 FALL STREET** **HIST UST** **N/A**
< 1/8 **SENECA FALLS, NY 13148**
200 ft.

Site 3 of 3 in cluster A

Relative: Higher

Actual: 458 ft.

UST:

Facility ID:	8-060550
Program Type:	PBS
Tank Number:	002
Tank Model:	Not reported
Pipe Model:	Not reported
Tank Location Name:	Underground
Tank Status:	Closed - Removed
Active Status:	Inactive
Install Date:	07/01/84
Capacity Gallons:	12000
Material Name:	Gasoline
Percentage:	100.00
Tank Type Name:	Fiberglass Reinforced Plastic (FRP)
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	No Piping
Pipe Type Name:	No Piping
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	Other
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported

SENECA FALLS SUNOCO (Continued) **U003314150**

Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	Product Level Gauge (A/G)
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Submersible
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	06/01/93

UST:

Facility Id:	8-060550
Expiration Date:	03/17/10
Renewal Date:	/ /
Total Capacity:	30000
Facility Type:	Not reported
Mailing Company:	BAJWA ASSOCIATES LLC
Mailing Title:	MEMBER
Mailing Contact:	PREET BAJWA
Mailing Address:	193 FALL STREET
Mailing Address 2:	Not reported
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip Code:	13148
Mailing Phone No:	Not reported
Mailing Email:	Not reported
Owner Title:	MEMBER
Owner Name:	PREET BAJWA
Owner Address:	193 FALL STREET
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	13148
Owner Phone:	Not reported
Owner Company:	BAJWA ASSOCIATES LLC
Emergency Contact:	PREET BAJWA
Emergency Phone:	Not reported
Operator:	FALL STREET MANAGEMENT SERVICES LLC
Operator Phone:	Not reported
Owner City:	SENECA FALLS
Owner Sub Type:	Private Resident

Facility ID:	8-060550
Program Type:	PBS
Tank Number:	003
Tank Model:	Not reported
Pipe Model:	Not reported
Tank Location Name:	Underground
Tank Status:	Closed - Removed
Active Status:	Inactive
Install Date:	07/01/84
Capacity Gallons:	12000
Material Name:	Gasoline
Percentage:	100.00
Tank Type Name:	Fiberglass Reinforced Plastic (FRP)
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	No Piping

SENECA FALLS SUNOCO (Continued) **U003314150**

Pipe Type Name:	No Piping
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	Other
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	Product Level Gauge (A/G)
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Submersible
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	06/01/93

UST:

Facility Id:	8-060550
Expiration Date:	03/17/10
Renewal Date:	/ /
Total Capacity:	30000
Facility Type:	Not reported
Mailing Company:	BAJWA ASSOCIATES LLC
Mailing Title:	MEMBER
Mailing Contact:	PREET BAJWA
Mailing Address:	193 FALL STREET
Mailing Address 2:	Not reported
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip Code:	13148
Mailing Phone No:	Not reported
Mailing Email:	Not reported
Owner Title:	MEMBER
Owner Name:	PREET BAJWA
Owner Address:	193 FALL STREET
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	13148
Owner Phone:	Not reported
Owner Company:	BAJWA ASSOCIATES LLC
Emergency Contact:	PREET BAJWA
Emergency Phone:	Not reported
Operator:	FALL STREET MANAGEMENT SERVICES LLC
Operator Phone:	Not reported
Owner City:	SENECA FALLS
Owner Sub Type:	Private Resident

Facility ID:	8-060550
Program Type:	PBS
Tank Number:	001
Tank Model:	Not reported
Pipe Model:	Not reported
Tank Location Name:	Underground
Tank Status:	Closed - Removed
Active Status:	Inactive

SENECA FALLS SUNOCO (Continued) **U003314150**

Install Date:	07/01/84
Capacity Gallons:	12000
Material Name:	Gasoline
Percentage:	100.00
Tank Type Name:	Fiberglass Reinforced Plastic (FRP)
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	No Piping
Pipe Type Name:	No Piping
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	Other
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	Product Level Gauge (A/G)
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Submersible
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	06/01/93

UST:

Facility Id:	8-060550
Expiration Date:	03/17/10
Renewal Date:	/ /
Total Capacity:	30000
Facility Type:	Not reported
Mailing Company:	BAJWA ASSOCIATES LLC
Mailing Title:	MEMBER
Mailing Contact:	PREET BAJWA
Mailing Address:	193 FALL STREET
Mailing Address 2:	Not reported
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip Code:	13148
Mailing Phone No:	Not reported
Mailing Email:	Not reported
Owner Title:	MEMBER
Owner Name:	PREET BAJWA
Owner Address:	193 FALL STREET
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	13148
Owner Phone:	Not reported
Owner Company:	BAJWA ASSOCIATES LLC
Emergency Contact:	PREET BAJWA
Emergency Phone:	Not reported
Operator:	FALL STREET MANAGEMENT SERVICES LLC
Operator Phone:	Not reported
Owner City:	SENECA FALLS
Owner Sub Type:	Private Resident

SENECA FALLS SUNOCO (Continued) **U003314150**

Facility ID:	8-060550
Program Type:	PBS
Tank Number:	005
Tank Model:	104
Pipe Model:	D
Tank Location Name:	Underground
Tank Status:	In Service
Active Status:	Active
Install Date:	06/01/93
Capacity Gallons:	10000
Material Name:	Gasoline
Percentage:	100.00
Tank Type Name:	Fiberglass Reinforced Plastic (FRP)
Tank Internal Protection:	Fiberglass Liner (FRP)
Tank Internal Protection 1:	Fiberglass
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Underground/On-ground
Pipe Type Name:	Fiberglass Reinforced Plastic (FRP)
Pipe External Protection 1:	Fiberglass
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	Double-Walled (Underground)
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Double-Walled (Underground)
Tank Leak Detection 1:	Interstitial - Electronic Monitoring
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Pressurized Piping Leak Detector
Pipe Leak Detection 2:	Tank Top Sump
Type Of Overfill Prevention 1:	Automatic Shut-Off
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Submersible
Spill Prevention:	Catch Basin
Tightness Test Method:	VacuTest
Date Tested:	02/23/05
Next Test Date:	/ /
Date Tank Closed:	/ /

UST:

Facility Id:	8-060550
Expiration Date:	03/17/10
Renewal Date:	/ /
Total Capacity:	30000
Facility Type:	Not reported
Mailing Company:	BAJWA ASSOCIATES LLC
Mailing Title:	MEMBER
Mailing Contact:	PREET BAJWA
Mailing Address:	193 FALL STREET
Mailing Address 2:	Not reported
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip Code:	13148
Mailing Phone No:	Not reported
Mailing Email:	Not reported
Owner Title:	MEMBER
Owner Name:	PREET BAJWA
Owner Address:	193 FALL STREET
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	13148

SENECA FALLS SUNOCO (Continued) **U003314150**

Owner Phone:	Not reported
Owner Company:	BAJWA ASSOCIATES LLC
Emergency Contact:	PREET BAJWA
Emergency Phone:	Not reported
Operator:	FALL STREET MANAGEMENT SERVICES LLC
Operator Phone:	Not reported
Owner City:	SENECA FALLS
Owner Sub Type:	Private Resident
Facility ID:	8-060550
Program Type:	PBS
Tank Number:	007
Tank Model:	104
Pipe Model:	D
Tank Location Name:	Underground
Tank Status:	In Service
Active Status:	Active
Install Date:	06/01/93
Capacity Gallons:	10000
Material Name:	Gasoline
Percentage:	100.00
Tank Type Name:	Fiberglass Reinforced Plastic (FRP)
Tank Internal Protection:	Fiberglass Liner (FRP)
Tank Internal Protection 1:	Fiberglass
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Underground/On-ground
Pipe Type Name:	Fiberglass Reinforced Plastic (FRP)
Pipe External Protection 1:	Fiberglass
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	Double-Walled (Underground)
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Double-Walled (Underground)
Tank Leak Detection 1:	Interstitial - Electronic Monitoring
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Pressurized Piping Leak Detector
Pipe Leak Detection 2:	Tank Top Sump
Type Of Overfill Prevention 1:	Automatic Shut-Off
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Submersible
Spill Prevention:	Catch Basin
Tightness Test Method:	VacuTest
Date Tested:	02/23/05
Next Test Date:	/ /
Date Tank Closed:	/ /

UST:

Facility Id:	8-060550
Expiration Date:	03/17/10
Renewal Date:	/ /
Total Capacity:	30000
Facility Type:	Not reported
Mailing Company:	BAJWA ASSOCIATES LLC
Mailing Title:	MEMBER
Mailing Contact:	PREET BAJWA
Mailing Address:	193 FALL STREET
Mailing Address 2:	Not reported
Mailing City:	SENECA FALLS
Mailing State:	NY

SENECA FALLS SUNOCO (Continued) **U003314150**

Mailing Zip Code:	13148
Mailing Phone No:	Not reported
Mailing Email:	Not reported
Owner Title:	MEMBER
Owner Name:	PREET BAJWA
Owner Address:	193 FALL STREET
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	13148
Owner Phone:	Not reported
Owner Company:	BAJWA ASSOCIATES LLC
Emergency Contact:	PREET BAJWA
Emergency Phone:	Not reported
Operator:	FALL STREET MANAGEMENT SERVICES LLC
Operator Phone:	Not reported
Owner City:	SENECA FALLS
Owner Sub Type:	Private Resident

Facility ID:	8-060550
Program Type:	PBS
Tank Number:	006
Tank Model:	104
Pipe Model:	D
Tank Location Name:	Underground
Tank Status:	In Service
Active Status:	Active
Install Date:	06/01/93
Capacity Gallons:	10000
Material Name:	Gasoline
Percentage:	100.00
Tank Type Name:	Fiberglass Reinforced Plastic (FRP)
Tank Internal Protection:	Fiberglass Liner (FRP)
Tank Internal Protection 1:	Fiberglass
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Underground/On-ground
Pipe Type Name:	Fiberglass Reinforced Plastic (FRP)
Pipe External Protection 1:	Fiberglass
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	Double-Walled (Underground)
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Double-Walled (Underground)
Tank Leak Detection 1:	Interstitial - Electronic Monitoring
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Pressurized Piping Leak Detector
Pipe Leak Detection 2:	Tank Top Sump
Type Of Overfill Prevention 1:	Automatic Shut-Off
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Submersible
Spill Prevention:	Catch Basin
Tightness Test Method:	VacuTest
Date Tested:	02/23/05
Next Test Date:	/ /
Date Tank Closed:	/ /

UST:

Facility Id:	8-060550
Expiration Date:	03/17/10
Renewal Date:	/ /

SENECA FALLS SUNOCO (Continued) **U003314150**

Total Capacity:	30000
Facility Type:	Not reported
Mailing Company:	BAJWA ASSOCIATES LLC
Mailing Title:	MEMBER
Mailing Contact:	PREET BAJWA
Mailing Address:	193 FALL STREET
Mailing Address 2:	Not reported
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip Code:	13148
Mailing Phone No:	Not reported
Mailing Email:	Not reported
Owner Title:	MEMBER
Owner Name:	PREET BAJWA
Owner Address:	193 FALL STREET
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	13148
Owner Phone:	Not reported
Owner Company:	BAJWA ASSOCIATES LLC
Emergency Contact:	PREET BAJWA
Emergency Phone:	Not reported
Operator:	FALL STREET MANAGEMENT SERVICES LLC
Operator Phone:	Not reported
Owner City:	SENECA FALLS
Owner Sub Type:	Private Resident

Facility ID:	8-060550
Program Type:	PBS
Tank Number:	004
Tank Model:	Not reported
Pipe Model:	Not reported
Tank Location Name:	Underground
Tank Status:	Closed - Removed
Active Status:	Inactive
Install Date:	06/01/70
Capacity Gallons:	550
Material Name:	#2 Fuel Oil
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	No Piping
Pipe Type Name:	No Piping
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	None

SENECA FALLS SUNOCO (Continued) **U003314150**

Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	06/01/93

UST:

Facility Id:	8-060550
Expiration Date:	03/17/10
Renewal Date:	/ /
Total Capacity:	30000
Facility Type:	Not reported
Mailing Company:	BAJWA ASSOCIATES LLC
Mailing Title:	MEMBER
Mailing Contact:	PREET BAJWA
Mailing Address:	193 FALL STREET
Mailing Address 2:	Not reported
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip Code:	13148
Mailing Phone No:	Not reported
Mailing Email:	Not reported
Owner Title:	MEMBER
Owner Name:	PREET BAJWA
Owner Address:	193 FALL STREET
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	13148
Owner Phone:	Not reported
Owner Company:	BAJWA ASSOCIATES LLC
Emergency Contact:	PREET BAJWA
Emergency Phone:	Not reported
Operator:	FALL STREET MANAGEMENT SERVICES LLC
Operator Phone:	Not reported
Owner City:	SENECA FALLS
Owner Sub Type:	Private Resident

HIST UST:

PBS Number:	8-060550
SPDES Number:	Not reported
Emergency Contact:	LARRY BALLAY
Emergency Telephone:	(800) 786-9494
Operator:	CO-OP # 7462
Operator Telephone:	(315) 568-5489
Owner Name:	ATLANTIC REFINING & MARKETING
Owner Address:	1801 MARKET STREET - 20/10 PC
Owner City,St,Zip:	PHILADELPHIA, PA 19103
Owner Telephone:	(215) 246-8513
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	ATLANTIC REFINING & MARKETING
Mailing Address:	1801 MARKET STREET
Mailing Address 2:	20/10 PC
Mailing City,St,Zip:	PHILADELPHIA, PA 19103
Mailing Contact:	UST COORDINATOR
Mailing Telephone:	(215) 246-8513
Owner Mark:	First Owner

SENECA FALLS SUNOCO (Continued) **U003314150**

Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	Not reported
SWIS ID:	4532
Old PBS Number:	Not reported
Facility Type:	RETAIL GASOLINE SALES
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	11/01/2001
Expiration Date:	12/02/2006
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	30000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	SENECA FALLS
County Code:	45
Town or City:	32
Region:	8

Tank Id:	005
Tank Location:	UNDERGROUND
Install Date:	19930601
Capacity (gals):	10000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Fiberglass reinforced plastic [FRP]
Tank Internal:	None
Tank External:	Fiberglass
Pipe Location:	Underground
Pipe Type:	STAINLESS STEEL ALLOY
Pipe Internal:	None
Pipe External:	Fiberglass
Second Containment:	Vault (w/access)
Leak Detection:	Electronic
Overfill Prot:	Float Vent Valve, Catch Basin
Dispenser:	Submersible
Date Tested:	07/01/1993
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Tankology [Vacutect]
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	006
Tank Location:	UNDERGROUND
Install Date:	19930601

SENECA FALLS SUNOCO (Continued) **U003314150**

Capacity (gals):	10000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Fiberglass reinforced plastic [FRP]
Tank Internal:	None
Tank External:	Fiberglass
Pipe Location:	Underground
Pipe Type:	STAINLESS STEEL ALLOY
Pipe Internal:	None
Pipe External:	Fiberglass
Second Containment:	Vault (w/access)
Leak Detection:	Electronic
Overfill Prot:	Float Vent Valve, Catch Basin
Dispenser:	Submersible
Date Tested:	07/01/1993
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Tankology [Vacutect]
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	007
Tank Location:	UNDERGROUND
Install Date:	19930601
Capacity (gals):	10000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Fiberglass reinforced plastic [FRP]
Tank Internal:	None
Tank External:	Fiberglass
Pipe Location:	Underground
Pipe Type:	STAINLESS STEEL ALLOY
Pipe Internal:	None
Pipe External:	Fiberglass
Second Containment:	Vault (w/access)
Leak Detection:	Electronic
Overfill Prot:	Float Vent Valve, Catch Basin
Dispenser:	Submersible
Date Tested:	07/01/1993
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Tankology [Vacutect]
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	004
Tank Location:	UNDERGROUND
Install Date:	19700601
Capacity (gals):	550
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported

SENECA FALLS SUNOCO (Continued) **U003314150**

Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	06/01/1993
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	001
Tank Location:	UNDERGROUND
Install Date:	19840701
Capacity (gals):	12000
Product Stored:	LEADED GASOLINE
Tank Type:	Fiberglass reinforced plastic [FRP]
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	Other
Overfill Prot:	Product Level Gauge
Dispenser:	Submersible
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	06/01/1993
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	003
Tank Location:	UNDERGROUND
Install Date:	19840701
Capacity (gals):	12000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Fiberglass reinforced plastic [FRP]
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None

SENECA FALLS SUNOCO (Continued) **U003314150**

Leak Detection:	Other
Overfill Prot:	Product Level Gauge
Dispenser:	Submersible
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	06/01/1993
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Install Date:	19840701
Capacity (gals):	12000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Fiberglass reinforced plastic [FRP]
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	Other
Overfill Prot:	Product Level Gauge
Dispenser:	Submersible
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	06/01/1993
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

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5 **PARADISE CONSTRUCTION** **NY Spills** **S102126520**
East **176 WEST FALL STREET** **NY Hist Spills** **N/A**
< 1/8 **SENECA FALLS, NY**
309 ft.

Relative:
Higher

Actual:
457 ft.

NY Spills:

Site ID:	100686
Facility Addr2:	Not reported
Facility ID:	9013101
Spill Number:	9013101
Facility Type:	ER
SWIS:	5032
Region of Spill:	8
Investigator:	PRMILLER
Referred To:	Not reported
Spill Date:	02/28/91
Reported to Dept:	03/06/91
CID:	27
Spill Cause:	Unknown
Water Affected:	Not reported

PARADISE CONSTRUCTION (Continued) **S102126520**

Spill Source:	Gasoline Station
Spill Notifier:	Other
Cleanup Ceased:	11/02/92
Cleanup Meets Std:	True
Last Inspection:	11/02/92
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Unknown Responsible Party. Corrective action taken. (ISR)
Spill Closed Dt:	11/02/92
Remediation Phase:	0
Date Entered In Computer:	03/25/91
Spill Record Last Update:	05/05/93
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	8
Program Number:	9013101
DER Facility ID:	89358
Site ID:	100686
Operable Unit ID:	950323
Operable Unit:	01
Material ID:	425996
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Not reported
Recovered:	0.00
Resource Affected:	Groundwater
Oxygenate:	False
DEC Memo:	Start DECRemark - 9013101 Prior to Sept, 2004 data translation this spill Lead DEC Field was "PM" 11/02/92: CONSTRUCTION COMPLETED,NO CONTAMINATION REPORTED. END DECRemark - 9013101
Remarks:	Start CallerRemark - 9013101 FORMERLY A GAS STATION AND A CHEVROLET DEALERSHIP. CONTAMINATION DISCOVERED AS A RESULT OF SOIL GAS INVESTIGATION FOR NYS DOT. ROUTE 5 & 20 RECONSTRUCTION. CONTACT PERSON: GEOFF CHRISTOFF. END CallerRemark - 9013101

NY Hist Spills:

Region of Spill:	8
Spill Number:	9013101
Investigator:	PM
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	02/28/1991 12:00
Reported to Dept Date/Time:	03/06/91 12:00

PARADISE CONSTRUCTION (Continued) **S102126520**

SWIS:	45
Spiller Name:	UNKNOWN
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Unknown
Reported to Dept:	Groundwater
Water Affected:	Not reported
Spill Source:	05
Spill Notifier:	Other
PBS Number:	Not reported
Cleanup Ceased:	11/02/92
Cleanup Meets Std:	True
Last Inspection:	11/02/92
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Unknown Responsible Party. Corrective action taken. (ISR)
Spill Closed Dt:	11/02/92
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	03/25/91
Date Spill Entered In Computer Data File:	Not reported
Update Date:	05/05/93
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	False
Units:	Not reported
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	GASOLINE
Class Type:	GASOLINE
Times Material Entry In File:	21329
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	11/02/92: CONSTRUCTION COMPLETED,NO CONTAMINATION REPORTED.
Remark:	FORMERLY A GAS STATION AND A CHEVROLET DEALERSHIP. CONTAMINATION DISCOVERED AS A RESULT OF SOIL GAS INVESTIGATION FOR NYS DOT. ROUTE 5 20 RECONSTRUCTION. CONTACT PERSON: GEOFF CHRISTOFF.

B6
West
< 1/8
323 ft.

Relative:
Higher

Actual:
457 ft.

ATLANTIC GAS STATION
193 WESTFALL STREET
SENECA FALLS, NY

LTANKS **S102679042**
HIST LTANKS **N/A**

Site 1 of 3 in cluster B

LTANKS:

Site ID:	100685
Spill Date:	04/24/92
Facility Addr2:	Not reported
Facility ID:	9200996
Program Number:	9200996
SWIS:	5032
Region of Spill:	8
Investigator:	PRMILLER
Referred To:	Not reported
Reported to Dept:	04/25/92
CID:	27
Spill Cause:	Tank Overfill
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Affected Persons
Cleanup Ceased:	04/25/92
Cleanup Meets Standard:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	True
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	04/25/92
Remediation Phase:	0
Date Entered In Computer:	04/28/92
Spill Record Last Update:	09/30/04
Spille Namer:	Not reported
Spiller Company:	UNKNOWN
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	8
Program Number:	9200996
DER Facility ID:	89357
Site ID:	100685
Operable Unit ID:	968389
Operable Unit:	01
Material ID:	415748
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil

ATLANTIC GAS STATION (Continued) **S102679042**

Oxygenate:	False
Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported
DEC Memo:	Start DECRemark - 9200996 Prior to Sept, 2004 data translation this spill Lead DEC Field was "PM" 04/25/92: P MILLER TELCON W/LORRIE FERGUSON, CASHIER, DISCOVERED PUDDLE OF GSOLINE ON GROUND NEAR PUMP FROM APPARENT CUSTOMER OVERFILL. CASHIER CONNIESPREAD SPEEDY-DRI ON SPILL & CALLED FIRE DEPT. END DECRemark - 9200996
Remarks:	Start CallerRemark - 9200996 SPILLED GASOLINE CONTAINED & CLEANED UP BY SENECA FALLS FIRE DEPT. END CallerRemark - 9200996

HIST LTANKS:

Region of Spill:	8
Spill Number:	9200996
Investigator:	PM
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Spill Date:	04/24/1992
Spill Time:	22:00
Reported to Department Date:	04/25/92
Reported to Department Time:	09:20
SWIS:	45
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Facility Contact:	Not reported
Facility Phone:	Not reported
Facility Extention:	Not reported
Spill Cause:	Tank Overfill
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Gas Station
Spill Notifier:	Affected Persons
PBS Number:	Not reported
Cleanup Ceased:	04/25/92
Cleanup Meets Standard:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Date:	/ /
Enforcement Date:	/ /

ATLANTIC GAS STATION (Continued) **S102679042**

Investigation Complete: / /
UST Involvement: True
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 04/25/92
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 04/28/92
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: / /
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 2
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: 04/25/92: P MILLER TELCON W/LORRIE FERGUSON, CASHIER, DISCOVERED PUDDLE OF GSOLINE ON GROUND NEAR PUMP FROM APPARENT CUSTOMER OVERFILL. CASHIER CONNIE SPREAD SPEEDY-DRI ON SPILL CALLED FIRE DEPT.
Spill Cause: SPILLED GASOLINE CONTAINED CLEANED UP BY SENECA FALLS FIRE DEPT.

B7 **ATLANTIC STATION** **NY Spills** **S102244330**
West **193 WEST FALLS STREET** **NY Hist Spills** **N/A**
< 1/8 **SENECA FALLS, NY**
323 ft.

Site 2 of 3 in cluster B

Relative:
Higher

Actual:
457 ft.

NY Spills:
Site ID: 62203
Facility Addr2: Not reported
Facility ID: 9512705
Spill Number: 9512705
Facility Type: ER
SWIS: 5032
Region of Spill: 8
Investigator: JRMARCHI
Referred To: Not reported
Spill Date: 01/11/96
Reported to Dept: 01/11/96
CID: 266
Spill Cause: Equipment Failure
Water Affected: Not reported
Spill Source: Commercial Vehicle
Spill Notifier: Affected Persons
Cleanup Ceased: 04/26/01

ATLANTIC STATION (Continued) **S102244330**

Cleanup Meets Std:	False
Last Inspection:	02/07/96
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	04/26/01
Remediation Phase:	0
Date Entered In Computer:	01/12/96
Spill Record Last Update:	04/26/01
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	8
Program Number:	9512705
DER Facility ID:	60337
Site ID:	62203
Operable Unit ID:	1027049
Operable Unit:	01
Material ID:	556558
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False

DEC Memo: Start DECRemark - 9512705 Prior to Sept, 2004 data translation this spill Lead DEC Field was "JM" 01/11/96 FIRE DEPT APPLIED SPEEDY DRY AND PICKED UP ALL CONTAMINATED MATERIAL AND PLACED IT IN DRUMS. 02/07/96 JM ON SITE. NO EVIDENCE OF SPILLAGEAROUND TANKS OR PUMP ISLANDS. DRUM BEHIND STATION NEAR TANKS. ABSORBENT BOOMS ON TOP. FULL CONTAINER. TO CHECK WITH ATLANTIC ON DISPOSAL. END DECRemark - 9512705

Remarks: Start CallerRemark - 9512705 UNKNOWN TRUCK PULLED INTO THE ATLANTIC STATION. THE TRUCK HAD EITHER A LEAKING LINE OR TANK. FUEL WAS SPREAD ACROSS THE PAVEMENT. FIRE DEPARTMENT WAS ON SCENE. CH ATTEMPTS TO REACH F.D. BUT STATION OPERATOR SAYS THEYHAVE ALREADY LEFT SITE. STATION OPERATOR REPORTS F.D. APPLIED SPEEDY DRY AND PICKED... END CallerRemark - 9512705

NY Hist Spills:

Region of Spill:	8
Spill Number:	9512705
Investigator:	JM
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	01/11/1996 15:30

ATLANTIC STATION (Continued) **S102244330**

Reported to Dept Date/Time: 01/11/96 16:40
SWIS: 45
Spiller Name: UNKNOWN
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spill Cause: Equipment Failure
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 07
Spill Notifier: Affected Persons
PBS Number: Not reported
Cleanup Ceased: 04/26/01
Cleanup Meets Std: False
Last Inspection: 02/07/96
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 04/26/01
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 01/12/96
Date Spill Entered In Computer Data File: Not reported
Update Date: 04/26/01
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: DIESEL
Class Type: DIESEL
Times Material Entry In File: 10625
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: 01/11/96 FIRE DEPT APPLIED SPEEDY DRY AND PICKED UP ALL CONTAMINATED MATERIAL AND PLACED IT IN DRUMS. 02/07/96 JM ON SITE. NO EVIDENCE OF SPILLAGE AROUND TANKS OR PUMP ISLANDS. DRUM BEHIND STATION NEAR TANKS. ABSORBENT BOOMS ON TOP. FULL CONTAINER. TO CHECK WITH ATLANTIC ON DISPOSAL.
Remark: UNKNOWN TRUCK PULLED INTO THE ATLANTIC STATION. THE TRUCK HAD EITHER A LEAKING LINE OR TANK. FUEL WAS SPREAD ACROSS THE PAVEMENT. FIRE DEPARTMENT WAS ON SCENE. CH ATTEMPTS TO REACH F.D. BUT STATION OPERATOR SAYS THEY HAVE ALREADY LEFT SITE. STATION OPERATOR REPORTS F.D. APPLIED SPEEDY DRY AND PICKED...

B8
West
< 1/8
323 ft.

Relative:
Higher

Actual:
457 ft.

ATLANTIC REFINING
193 FALLS STREET
SENECA FALLS, NY

LTANKS **1000458185**
HIST LTANKS **N/A**

Site 3 of 3 in cluster B

LTANKS:

Site ID:	326497
Spill Date:	08/10/89
Facility Addr2:	Not reported
Facility ID:	8904698
Program Number:	8904698
SWIS:	5032
Region of Spill:	8
Investigator:	MAGER
Referred To:	Not reported
Reported to Dept:	08/10/89
CID:	Not reported
Spill Cause:	Tank Failure
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Other
Cleanup Ceased:	08/10/89
Cleanup Meets Standard:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	True
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	08/10/89
Remediation Phase:	0
Date Entered In Computer:	08/11/89
Spill Record Last Update:	09/30/04
Spille Namer:	Not reported
Spiller Company:	ATLANTIC REFINING
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	8
Program Number:	8904698
DER Facility ID:	263020
Site ID:	326497
Operable Unit ID:	932298
Operable Unit:	01
Material ID:	448730
Material Code:	0022
Material Name:	Waste Oil/Used Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False

ATLANTIC REFINING (Continued) **1000458185**

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported
DEC Memo:	Start DECRemark - 8904698 Prior to Sept, 2004 data translation this spill Lead DEC Field was "DM" 08/10/89: 08/10/89 DONNA MAGER (DM) INVESTIGATED. THE MOST CONTAMINATED SOIL WAS PLASTED ON PLASTIC. END DECRemark - 8904698
Remarks:	Start CallerRemark - 8904698 CONTRACTOR REMOVED 550 GAL WASTE OIL TANK. NOTED SOME CONTAMINATED SOIL AROUND FILLPORT. END CallerRemark - 8904698

HIST LTANKS:

Region of Spill:	8
Spill Number:	8904698
Investigator:	DM
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Spill Date:	08/10/1989
Spill Time:	11:00
Reported to Department Date:	08/10/89
Reported to Department Time:	11:15
SWIS:	45
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	ATLANTIC REFINING
Spiller Address:	Not reported
Spiller City,St,Zip:	SENECA FALLS, NY
Facility Contact:	Not reported
Facility Phone:	Not reported
Facility Extention:	Not reported
Spill Cause:	Tank Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Gas Station
Spill Notifier:	Other
PBS Number:	Not reported
Cleanup Ceased:	08/10/89
Cleanup Meets Standard:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Date:	/ /
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	True
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response.

ATLANTIC REFINING (Continued) **1000458185**

Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 08/10/89
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 08/11/89
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: / /
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: WASTE OIL
Class Type: WASTE OIL
Times Material Entry In File: 9509
CAS Number: Not reported
Last Date: 19940927
DEC Remarks: 08/10/89: 08/10/89 DONNA MAGER DM) INVESTIGATED. THE MOST CONTAMINATED SOIL WAS PLASTED ON PLASTIC.
Spill Cause: CONTRACTOR REMOVED 550 GAL WASTE OIL TANK. NOTED SOME CONTAMINATED SOIL AROUND FILLPORT.

C9 **MILLER (#25 & #31) STREET** **NY Spills S102131571**
NNE **31 MILLER ST / 25 MILLE** **NY Hist Spills N/A**
< 1/8 **SENECA FALLS, NY**
355 ft.

Site 1 of 2 in cluster C

Relative: Higher

Actual: 459 ft.

NY Spills:
Site ID: 198709
Facility Addr2: Not reported
Facility ID: 8504090
Spill Number: 8504090
Facility Type: ER
SWIS: 5032
Region of Spill: 8
Investigator: UNASSIGNED
Referred To: Not reported
Spill Date: 02/20/86
Reported to Dept: 02/20/86
CID: Not reported
Spill Cause: Unknown
Water Affected: Not reported
Spill Source: Unknown
Spill Notifier: Other
Cleanup Ceased: 06/01/86
Cleanup Meets Std: True
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
UST Trust: False

MILLER (#25 & #31) STREET (Continued) **S102131571**

Spill Class:	Not reported
Spill Closed Dt:	06/01/86
Remediation Phase:	0
Date Entered In Computer:	12/02/03
Spill Record Last Update:	12/02/03
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller Company:	001
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	8
Program Number:	8504090
DER Facility ID:	165377
Site ID:	198709
Operable Unit ID:	895979
Operable Unit:	01
Material ID:	479874
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Not reported
Recovered:	0.00
Resource Affected:	Air
Oxygenate:	False
DEC Memo:	Start DECRemark - 8504090 Prior to Sept, 2004 data translation this spill Lead DEC Field was " " / / : NOTES: STRONG GASOLINE FUMES IN 2 RESIDENTIAL BASEMENTS ON MILLER STREET. / / : ACTION: SENECA FALLS F.D. LIGHTLY FLUSHED STORM DRAINS. / / : STATUS: GM (CLOSED) 86/05/06 LEAKING TANK OF AUTOMOBILE IDENTIFIED; NO REOCCURRING PROBLEM DETECTED. / / : EXTENT OF SPILL: FUMES IN 2 RESIDENTIAL BASEMENTS. END DECRemark - 8504090
Remarks:	Start CallerRemark - 8504090 LEAKING GAS TANK ON AUTOMOBILE AND/OR UNKNOWNLEAKING UNDERGROUND TANK. END CallerRemark - 8504090

NY Hist Spills:

Region of Spill:	8
Spill Number:	8504090
Investigator:	Not reported
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	02/20/1986 13:00
Reported to Dept Date/Time:	02/20/86 15:00
SWIS:	45
Spiller Name:	Not reported
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Unknown

MILLER (#25 & #31) STREET (Continued) **S102131571**

Reported to Dept:	Air
Water Affected:	Not reported
Spill Source:	12
Spill Notifier:	Other
PBS Number:	Not reported
Cleanup Ceased:	06/01/86
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Not reported
Spill Closed Dt:	06/01/86
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	02/14/90
Date Spill Entered In Computer Data File:	Not reported
Update Date:	/ /
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	False
Units:	Not reported
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	GASOLINE
Class Type:	GASOLINE
Times Material Entry In File:	21329
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	/ / : NOTES: STRONG GASOLINE FUMES IN 2 RESIDENTIAL BASEMENTS ON MILLER STREET. / / : ACTION: SENECA FALLS F.D. LIGHTLY FLUSHED STORM DRAINS. / / : STATUS: GM CLOSED) 86/05/06 LEAKING TANK OF AUTOMOBILE IDENTIFIED; NO REOCCURRING PROBLEM DETECTED. / / : EXTENT OF SPILL: FUMES IN 2 RESIDENTIAL BASEMENTS.
Remark:	LEAKING GAS TANK ON AUTOMOBILE AND/OR UNKNOWNLEAKING UNDERGROUND TANK.

C10 **40 MILLER STREET FLOODING** **NY Spills** **S107523087**
NNE **40 MILLER STREET** **N/A**
< 1/8 **SENECA FALLS, NY 13148**
389 ft.

Site 2 of 2 in cluster C

Relative: Higher

Actual: 459 ft.

NY Spills:

Site ID:	359145
Facility Addr2:	Not reported
Facility ID:	0551585
Spill Number:	0551585
Facility Type:	ER
SWIS:	5032

40 MILLER STREET FLOODING (Continued) **S107523087**

Region of Spill:	8
Investigator:	DBDAKE
Referred To:	Not reported
Spill Date:	02/03/06
Reported to Dept:	02/03/06
CID:	27
Spill Cause:	Other
Water Affected:	FLOODED YARD AREA
Spill Source:	Unknown
Spill Notifier:	Citizen
Cleanup Ceased:	02/03/06
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	No spill occured. No DEC Response. No corrective action required.
Spill Closed Dt:	02/03/06
Remediation Phase:	0
Date Entered In Computer:	02/03/06
Spill Record Last Update:	02/03/06
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spiller Company:	Not reported
Spiller Phone:	Not reported
Contact Name:	ALEX LUDWIG
Contact Phone:	(315) 382-1786
DEC Region:	8
Program Number:	0551585
DER Facility ID:	309145
Site ID:	359145
Operable Unit ID:	1116369
Operable Unit:	01
Material ID:	2106516
Material Code:	0048A
Material Name:	DYE
Case No.:	Not reported
Material FA:	Other
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Surface Water
Oxygenate:	False

DEC Memo: Start DECRemark - 0551585 DDAKE TELECON WITH JEFFREY WARRICK, THE WATER&SEWER SUPERINTENDENT FOR THE VILLAGE OF SENECA FALLS. THERE IS A STORM DRAIN MAIN BREAK IN THE AREA AND THE VILLAGE APPLIED A NON-TOXIC DYE TO TRY TO LOCATE THE SOURCE OF THE BREAK. WARRICK WAS AWARE OF AREA RESIDENT'S CONCERNS, AND VILLAGE AND FIRE DEPARTMENT PERSONNEL HAVE RESPONDED AND DISCUSSED WITH RESIDENTS (ALSO PROVIDED COPIES OF MATERIAL SAFETY DATA SHEETS FORTHE FLUORESCENT DYE). DD CONTACTED CALLER LUDWIG AT1320 HOURS TO FURTHER DISCUSS. NO FURTHER ACTIONS REQUIRED BY SPILLS UNIT - SPILL FILE CLOSED. END DECRemark - 0551585

Remarks: Start CallerRemark - 0551585 caller states that a light blue/green color is present on water within a flooded area on the 40 Miller Street property and in general vicinity. Water may be entering basement of house. END CallerRemark - 0551585

D11
West
< 1/8
426 ft.

Relative:
Higher

Actual:
459 ft.

KOCH CHRYSLER/PLYMOUTH
201 FALL STREET
SENECA FALLS, NY 13148

UST
HIST UST

U003315546
N/A

Site 1 of 3 in cluster D

UST:

Facility ID:	8-445177
Program Type:	PBS
Tank Number:	002
Tank Model:	Not reported
Pipe Model:	Not reported
Tank Location Name:	Underground
Tank Status:	Closed Prior to Micro Conversion, 03/91
Active Status:	Inactive
Install Date:	/ /
Capacity Gallons:	4000
Material Name:	Gasoline
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	No Piping
Pipe Type Name:	No Piping
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	/ /

UST:

Facility Id:	8-445177
Expiration Date:	06/28/93
Renewal Date:	/ /
Total Capacity:	0
Facility Type:	Not reported
Mailing Company:	PETER KOCH
Mailing Title:	Not reported
Mailing Contact:	Not reported
Mailing Address:	201 FALL STREET
Mailing Address 2:	Not reported
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip Code:	13148
Mailing Phone No:	(315) 568-2981
Mailing Email:	Not reported
Owner Title:	Not reported

KOCH CHRYSLER/PLYMOUTH (Continued) **U003315546**

Owner Name:	Not reported
Owner Address:	201 FALL STREET
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	13148
Owner Phone:	(315) 568-2981
Owner Company:	PETER KOCH
Emergency Contact:	KOCH CHRYSLER/PLYMOUTH
Emergency Phone:	(315) 569-2981
Operator:	PETER KOCH
Operator Phone:	(315) 568-2981
Owner City:	SENECA FALLS
Owner Sub Type:	Not reported
Facility ID:	8-445177
Program Type:	PBS
Tank Number:	001
Tank Model:	Not reported
Pipe Model:	Not reported
Tank Location Name:	Underground
Tank Status:	Closed Prior to Micro Conversion, 03/91
Active Status:	Inactive
Install Date:	/ /
Capacity Gallons:	4000
Material Name:	Gasoline
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	No Piping
Pipe Type Name:	No Piping
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	/ /

UST:

Facility Id:	8-445177
Expiration Date:	06/28/93
Renewal Date:	/ /
Total Capacity:	0
Facility Type:	Not reported
Mailing Company:	PETER KOCH
Mailing Title:	Not reported

KOCH CHRYSLER/PLYMOUTH (Continued) **U003315546**

Mailing Contact:	Not reported
Mailing Address:	201 FALL STREET
Mailing Address 2:	Not reported
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip Code:	13148
Mailing Phone No:	(315) 568-2981
Mailing Email:	Not reported
Owner Title:	Not reported
Owner Name:	Not reported
Owner Address:	201 FALL STREET
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	13148
Owner Phone:	(315) 568-2981
Owner Company:	PETER KOCH
Emergency Contact:	KOCH CHRYSLER/PLYMOUTH
Emergency Phone:	(315) 569-2981
Operator:	PETER KOCH
Operator Phone:	(315) 568-2981
Owner City:	SENECA FALLS
Owner Sub Type:	Not reported

Facility ID:	8-445177
Program Type:	PBS
Tank Number:	003
Tank Model:	Not reported
Pipe Model:	Not reported
Tank Location Name:	Underground
Tank Status:	Closed Prior to Micro Conversion, 03/91
Active Status:	Inactive
Install Date:	/ /
Capacity Gallons:	4000
Material Name:	Gasoline
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	No Piping
Pipe Type Name:	No Piping
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /

KOCH CHRYSLER/PLYMOUTH (Continued) **U003315546**

Date Tank Closed: / /

UST:

Facility Id:	8-445177
Expiration Date:	06/28/93
Renewal Date:	/ /
Total Capacity:	0
Facility Type:	Not reported
Mailing Company:	PETER KOCH
Mailing Title:	Not reported
Mailing Contact:	Not reported
Mailing Address:	201 FALL STREET
Mailing Address 2:	Not reported
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip Code:	13148
Mailing Phone No:	(315) 568-2981
Mailing Email:	Not reported
Owner Title:	Not reported
Owner Name:	Not reported
Owner Address:	201 FALL STREET
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	13148
Owner Phone:	(315) 568-2981
Owner Company:	PETER KOCH
Emergency Contact:	KOCH CHRYSLER/PLYMOUTH
Emergency Phone:	(315) 569-2981
Operator:	PETER KOCH
Operator Phone:	(315) 568-2981
Owner City:	SENECA FALLS
Owner Sub Type:	Not reported

HIST UST:

PBS Number:	8-445177
SPDES Number:	Not reported
Emergency Contact:	KOCH CHRYSLER/PLYMOUTH
Emergency Telephone:	(315) 569-2981
Operator:	PETER KOCH
Operator Telephone:	(315) 568-2981
Owner Name:	PETER KOCH
Owner Address:	201 FALL STREET
Owner City,St,Zip:	SENECA FALLS, NY 13148
Owner Telephone:	(315) 568-2981
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Name:	PETER KOCH
Mailing Address:	201 FALL STREET
Mailing Address 2:	Not reported
Mailing City,St,Zip:	SENECA FALLS, NY 13148
Mailing Contact:	Not reported
Mailing Telephone:	(315) 568-2981
Owner Mark:	First Owner
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2:	Not reported
SWIS ID:	4532

KOCH CHRYSLER/PLYMOUTH (Continued) **U003315546**

Old PBS Number:	Not reported
Facility Type:	Not reported
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	06/28/1988
Expiration Date:	06/28/1993
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	SENECA FALLS
County Code:	45
Town or City:	32
Region:	8

Tank Id:	003
Tank Location:	UNDERGROUND
Install Date:	Not reported
Capacity (gals):	4000
Product Stored:	LEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	001
Tank Location:	UNDERGROUND
Install Date:	Not reported
Capacity (gals):	4000
Product Stored:	LEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported

KOCH CHRYSLER/PLYMOUTH (Continued) **U003315546**

Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Install Date:	Not reported
Capacity (gals):	4000
Product Stored:	LEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

D12
West
< 1/8
442 ft.

Relative:
Higher

Actual:
459 ft.

KOCH CHRYSLER PLYMOUTH
201 FALL ST
SENECA FALLS, NY 13148

Site 2 of 3 in cluster D

RCRA-SQG **1000237822**
FINDS **NYD982721391**
NY MANIFEST

KOCH CHRYSLER PLYMOUTH (Continued) **1000237822**

RCRAInfo:
Owner: PETER KOCH
(212) 555-1212
EPA ID: NYD982721391

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

Document ID:	NYA7263855
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	890202
Trans1 Recv Date:	890202
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890203
Part A Recv Date:	890321
Part B Recv Date:	890210
Generator EPA ID:	NYD982721391
Trans1 EPA ID:	NYD980761191
Trans2 EPA ID:	Not reported
TSDF ID:	NYD043815703
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00275
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00600
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	89
Facility Type:	Generator
EPA ID:	NYD982721391
Facility Name:	KOCH CHRYSLER PLYMOUTH

KOCH CHRYSLER PLYMOUTH (Continued) **1000237822**

Facility Address:	201 FALL STREET
Facility City:	SENECA FALLS
Facility Zip 4:	Not reported
Country:	Not reported
County:	SENECA
Mailing Name:	KOCH CHRYSLER PLYMOUTH
Mailing Contact:	Not reported
Mailing Address:	201 FALL STREET
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	Not reported
Mailing Country:	Not reported
Mailing Phone:	315-568-2981

Document ID:	PAC8458181
Manifest Status:	Completed copy
Trans1 State ID:	PA0331148
Trans2 State ID:	Not reported
Generator Ship Date:	921015
Trans1 Recv Date:	921015
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	921017
Part A Recv Date:	921029
Part B Recv Date:	921105
Generator EPA ID:	NYD982721391
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	PAD981737109
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00225
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	92
Facility Type:	Generator
EPA ID:	NYD982721391
Facility Name:	KOCH CHRYSLER PLYMOUTH
Facility Address:	201 FALL STREET
Facility City:	SENECA FALLS
Facility Zip 4:	Not reported
Country:	Not reported
County:	SENECA
Mailing Name:	KOCH CHRYSLER PLYMOUTH
Mailing Contact:	Not reported
Mailing Address:	201 FALL STREET
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	Not reported
Mailing Country:	Not reported
Mailing Phone:	315-568-2981

13
East
< 1/8
442 ft.

JIMMERS GARAGE
1 WALNUT HILL
SENECA FALLS, NY

NY Spills **S104880798**
NY Hist Spills **N/A**

Relative:
Lower

Actual:
453 ft.

NY Spills:

Site ID:	221131
Facility Addr2:	Not reported
Facility ID:	0009918
Spill Number:	0009918
Facility Type:	ER
SWIS:	5032
Region of Spill:	8
Investigator:	JRMARCHI
Referred To:	Not reported
Spill Date:	12/01/00
Reported to Dept:	12/01/00
CID:	27
Spill Cause:	Other
Water Affected:	BARGE CANAL
Spill Source:	Gasoline Station
Spill Notifier:	Citizen
Cleanup Ceased:	12/20/00
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	12/20/00
Remediation Phase:	0
Date Entered In Computer:	12/01/00
Spill Record Last Update:	10/23/02
Spiller Name:	JAMES STEVERS
Spiller Company:	JIMMERS GARAGE
Spiller Address:	1 WALNUT HILL
Spiller City,St,Zip:	SENECA FALLS, ZZ
Spiller Company:	001
Spiller Phone:	Not reported
Contact Name:	JAMES STEVERS
Contact Phone:	Not reported
DEC Region:	8
Program Number:	0009918
DER Facility ID:	182890
Site ID:	221131
Operable Unit ID:	830888
Operable Unit:	01
Material ID:	543847
Material Code:	0022
Material Name:	Waste Oil/Used Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Surface Water
Oxygenate:	False
DEC Memo:	Start DECRemark - 0009918 Prior to Sept, 2004 data translation this spill Lead DEC Field was "JM" 12/20/00 JM ON SITE WITH ECO KEITH LEVANWAY. SPOKE TO JIM

JIMMERS GARAGE (Continued) **S104880798**

STEVERS, OWNER. NO SPILLAGE NOTICED ON FLOORS OR IN OUTSIDE STORM SEWER. OIL STORED IN DRUMS INSIDE BUILDING. NO FURTHER ACTION NEEDED AT THIS TIME. END DECRemark - 0009918

Remarks: Start CallerRemark - 0009918 WHEN STAFF AT JIMMER'S GARAGE WORKS ON VEHICLES, THE WASTE OILS ARE BEING FLUSHED THRU DRAINS IN THE FLOOR. THE MATERIAL IS GOING INTO THE BARGE CANAL. THIS HAS BEEN AN ON-GOING PROBLEM. FORWARDED TO LE AND WATER UNITS ON 12/11/2000. END CallerRemark - 0009918

NY Hist Spills:

Region of Spill:	8
Spill Number:	0009918
Investigator:	JM
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	12/01/2000 12:00
Reported to Dept Date/Time:	12/01/00 15:28
SWIS:	45
Spiller Name:	JIMMERS GARAGE
Spiller Contact:	JAMES STEVERS
Spiller Phone:	(000) 000-0000
Spiller Contact:	JAMES STEVERS
Spiller Phone:	(000) 000-0000
Spiller Address:	1 WALNUT HILL
Spiller City,St,Zip:	SENECA FALLS
Spill Cause:	Other
Reported to Dept:	Surface Water
Water Affected:	BARGE CANAL
Spill Source:	05
Spill Notifier:	Citizen
PBS Number:	Not reported
Cleanup Ceased:	10/02/01
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	10/02/01
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	12/01/00
Date Spill Entered In Computer Data File:	Not reported
Update Date:	10/02/01
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

JIMMERS GARAGE (Continued) **S104880798**

Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: WASTE OIL
Class Type: WASTE OIL
Times Material Entry In File: 9509
CAS Number: Not reported
Last Date: 19940927
DEC Remarks: 10/02/2001 BASED ON REVIEW OF DATABASE, NO FURTHER ACTION IS NEEDED BY SPILLS.
Remark: WHEN STAFF AT JIMMER S GARAGE WORKS ON VEHICLES, THE WASTE OILS ARE BEING FLUSHED THRU DRAINS IN THE FLOOR. THE MATERIAL IS GOING INTO THE BARGE CANAL. THIS HAS BEEN AN ON-GOING PROBLEM. FORWARDED TO LE AND WATER UNITS ON 12/11/2000.

D14 **NICE N EASY GROCERY SHOPPE #32** **UST U003399428**
West **205 FALL STREET** **HIST UST N/A**
< 1/8 **SENECA FALLS, NY 13148**
545 ft.

Site 3 of 3 in cluster D

Relative: Higher

Actual: 459 ft.

UST:
Facility ID: 8-392928
Program Type: PBS
Tank Number: 001
Tank Model: 102
Pipe Model: E
Tank Location Name: Underground
Tank Status: In Service
Active Status: Active
Install Date: 06/01/86
Capacity Gallons: 8000
Material Name: Gasoline
Percentage: 100.00
Tank Type Name: Steel/Carbon Steel/Iron
Tank Internal Protection: None
Tank Internal Protection 1: Painted/Asphalt Coating
Tank Internal Protection 2: Original Sacrificial Anode
Pipe Location Name: Underground/On-ground
Pipe Type Name: Flexible Piping
Pipe External Protection 1: None
Pipe External Protection 2: Not reported
Tank Secondary Containment 1: Double-Walled (Underground)
Tank Secondary Containment 2: Not reported
Pipe Secondary Containment: Double-Walled (Underground)
Tank Leak Detection 1: Interstitial - Electronic Monitoring
Tank Leak Detection 2: In-Tank System (ATG)
Pipe Leak Detection 1: Pressurized Piping Leak Detector
Pipe Leak Detection 2: Tank Top Sump
Type Of Overfill Prevention 1: Automatic Shut-Off
Type Of Overfill Prevention 2: Product Level Gauge (A/G)
Dispenser Method: Submersible
Spill Prevention: Catch Basin
Tightness Test Method: Testing Not Required
Date Tested: / /
Next Test Date: / /

NICE N EASY GROCERY SHOPPE #32 (Continued) **U003399428**

Date Tank Closed: / /

UST:

Facility Id:	8-392928
Expiration Date:	08/14/08
Renewal Date:	/ /
Total Capacity:	16000
Facility Type:	Not reported
Mailing Company:	NICE N EASY GROCERY SHOPPES INC
Mailing Title:	PRESIDENT
Mailing Contact:	JOHN MACDOUGALL
Mailing Address:	7840 OXBOW ROAD
Mailing Address 2:	Not reported
Mailing City:	CANASTOTA
Mailing State:	NY
Mailing Zip Code:	13032
Mailing Phone No:	(315) 697-2287
Mailing Email:	Not reported
Owner Title:	PRESIDENT
Owner Name:	JOHN MACDOUGALL
Owner Address:	7840 OXBOW ROAD
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	13032
Owner Phone:	(315) 697-2287
Owner Company:	NICE N EASY GROCERY SHOPPES INC
Emergency Contact:	JOHN MACDOUGALL
Emergency Phone:	(315) 697-2287
Operator:	NICE N EASY GROCERY SHOPPES INC
Operator Phone:	(315) 568-6194
Owner City:	CANASTOTA
Owner Sub Type:	Corporate or Commercial

Facility ID:	8-392928
Program Type:	PBS
Tank Number:	002
Tank Model:	102
Pipe Model:	E
Tank Location Name:	Underground
Tank Status:	In Service
Active Status:	Active
Install Date:	06/01/86
Capacity Gallons:	8000
Material Name:	Gasoline
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	Painted/Asphalt Coating
Tank Internal Protection 2:	Original Sacrificial Anode
Pipe Location Name:	Underground/On-ground
Pipe Type Name:	Flexible Piping
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	Double-Walled (Underground)
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Double-Walled (Underground)
Tank Leak Detection 1:	Interstitial - Electronic Monitoring
Tank Leak Detection 2:	In-Tank System (ATG)

NICE N EASY GROCERY SHOPPE #32 (Continued) **U003399428**

Pipe Leak Detection 1:	Pressurized Piping Leak Detector
Pipe Leak Detection 2:	Tank Top Sump
Type Of Overfill Prevention 1:	Automatic Shut-Off
Type Of Overfill Prevention 2:	Product Level Gauge (A/G)
Dispenser Method:	Submersible
Spill Prevention:	Catch Basin
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	/ /

UST:

Facility Id:	8-392928
Expiration Date:	08/14/08
Renewal Date:	/ /
Total Capacity:	16000
Facility Type:	Not reported
Mailing Company:	NICE N EASY GROCERY SHOPPES INC
Mailing Title:	PRESIDENT
Mailing Contact:	JOHN MACDOUGALL
Mailing Address:	7840 OXBOW ROAD
Mailing Address 2:	Not reported
Mailing City:	CANASTOTA
Mailing State:	NY
Mailing Zip Code:	13032
Mailing Phone No:	(315) 697-2287
Mailing Email:	Not reported
Owner Title:	PRESIDENT
Owner Name:	JOHN MACDOUGALL
Owner Address:	7840 OXBOW ROAD
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	13032
Owner Phone:	(315) 697-2287
Owner Company:	NICE N EASY GROCERY SHOPPES INC
Emergency Contact:	JOHN MACDOUGALL
Emergency Phone:	(315) 697-2287
Operator:	NICE N EASY GROCERY SHOPPES INC
Operator Phone:	(315) 568-6194
Owner City:	CANASTOTA
Owner Sub Type:	Corporate or Commercial

HIST UST:

PBS Number:	8-392928
SPDES Number:	Not reported
Emergency Contact:	JOHN MACDOUGALL
Emergency Telephone:	(315) 363-8695
Operator:	JOHN MACDOUGALL
Operator Telephone:	(315) 568-6194
Owner Name:	NICE N EASY GROCERY SHOPPES, INC
Owner Address:	RR6 BOX 8H
Owner City,St,Zip:	CANASTOTA, NY 13032
Owner Telephone:	(315) 697-2287
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	NICE N EASY GROCERY SHOPPES, INC
Mailing Address:	RR6 BOX 8H

NICE N EASY GROCERY SHOPPE #32 (Continued) **U003399428**

Mailing Address 2:	Not reported
Mailing City,St,Zip:	CANASTOTA, NY 13932
Mailing Contact:	JOHN MACDOUGALL
Mailing Telephone:	(315) 697-2287
Owner Mark:	Second Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	Not reported
SWIS ID:	4532
Old PBS Number:	Not reported
Facility Type:	RETAIL GASOLINE SALES
Inspected Date:	19990716
Inspector:	WLS
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	08/21/1998
Expiration Date:	08/14/2003
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	16000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	SENECA FALLS
County Code:	45
Town or City:	32
Region:	8

Tank Id:	001
Tank Location:	UNDERGROUND
Install Date:	19860601
Capacity (gals):	8000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Sacrificial Anode
Pipe Location:	Underground
Pipe Type:	FIBERGLASS REINFORCED PLASTIC
Pipe Internal:	None
Pipe External:	45
Second Containment:	None
Leak Detection:	In-tank System
Overfill Prot:	Automatic Shut-Off, Catch Basin
Dispenser:	Submersible
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

NICE N EASY GROCERY SHOPPE #32 (Continued) **U003399428**

Tank Id:	002
Tank Location:	UNDERGROUND
Install Date:	19860601
Capacity (gals):	8000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Sacrificial Anode
Pipe Location:	Underground
Pipe Type:	FIBERGLASS REINFORCED PLASTIC
Pipe Internal:	None
Pipe External:	45
Second Containment:	None
Leak Detection:	In-tank System
Overfill Prot:	Automatic Shut-Off, Catch Basin
Dispenser:	Submersible
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

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15 **STEVERS GARAGE** **NY Spills** **S102129212**
East **1 WALNUT STREET** **NY Hist Spills** **N/A**
< 1/8 **SENECA FALLS, NY**
584 ft.

Relative:
Lower

Actual:
453 ft.

NY Spills:

Site ID:	328662
Facility Addr2:	Not reported
Facility ID:	9004383
Spill Number:	9004383
Facility Type:	ER
SWIS:	5032
Region of Spill:	8
Investigator:	JRMARCHI
Referred To:	Not reported
Spill Date:	07/20/90
Reported to Dept:	07/20/90
CID:	27
Spill Cause:	Deliberate
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Affected Persons
Cleanup Ceased:	10/22/90
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Not reported
Spill Closed Dt:	10/22/90
Remediation Phase:	0
Date Entered In Computer:	07/20/90
Spill Record Last Update:	10/22/90
Spiller Name:	Not reported

STEVERS GARAGE (Continued) **S102129212**

Spiller Company:	STEVERS GARAGE
Spiller Address:	SAME
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Spiller Phone:	(315) 568-8353
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	8
Program Number:	9004383
DER Facility ID:	264500
Site ID:	328662
Operable Unit ID:	944751
Operable Unit:	01
Material ID:	435483
Material Code:	0022
Material Name:	Waste Oil/Used Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	50.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 9004383 Prior to Sept, 2004 data translation this spill Lead DEC Field was "JM" 07/20/90: J. MARCHITELL TO INVESTIGATE. 07/20/90: JM ON SITE. SPILLER INFORMED THAT DUMPING OF OIL IS PROHIBITED. SPILLER TO CLEANUP AREA WHERE OIL HAVE POOLED. END DECRemark - 9004383
Remarks:	Start CallerRemark - 9004383 CALLER NOTICED DUMPING OF WASTE OIL IN PARKING LOT AT GARAGE. APPROXIMATELY 50 GALLONS BEING DELIBERATELY DUMPED. END CallerRemark - 9004383

NY Hist Spills:

Region of Spill:	8
Spill Number:	9004383
Investigator:	JM
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	07/20/1990 09:00
Reported to Dept Date/Time:	07/20/90 10:20
SWIS:	45
Spiller Name:	STEVERS GARAGE
Spiller Contact:	Not reported
Spiller Phone:	(315) 568-8353
Spiller Address:	SAME
Spiller City,St,Zip:	Not reported
Spill Cause:	Deliberate
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Affected Persons
PBS Number:	Not reported
Cleanup Ceased:	10/22/90
Cleanup Meets Std:	True

STEVERS GARAGE (Continued) **S102129212**

Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Not reported
Spill Closed Dt: 10/22/90
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 07/20/90
Date Spill Entered In Computer Data File: Not reported
Update Date: 10/22/90
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 50
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: WASTE OIL
Class Type: WASTE OIL
Times Material Entry In File: 9509
CAS Number: Not reported
Last Date: 19940927
DEC Remarks: 07/20/90: J. MARCHITELL TO INVESTIGATE. 07/20/90: JM ON SITE. SPILLER INFORMED THAT DUMPING OF OIL IS PROHIBITED. SPILLER TO CLEANUP AREA WHERE OIL HAVE POOLED.
Remark: CALLER NOTICED DUMPING OF WASTE OIL IN PARKING LOT AT GARAGE. APPROXIMATELY 50 GALLONS BEING DELIBERATELY DUMPED.

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16 **P KOCH CHRYSLER PLYMOUTH** **NY Spills** **S102129428**
WSW **201 FALLS STREET** **NY Hist Spills** **N/A**
< 1/8 **SENECA FALLS, NY**
635 ft.

Relative:
Lower

Actual:
450 ft.

NY Spills:
Site ID: 121468
Facility Addr2: Not reported
Facility ID: 9013198
Spill Number: 9013198
Facility Type: ER
SWIS: 5032
Region of Spill: 8
Investigator: JRMARCHI
Referred To: Not reported
Spill Date: 03/26/91
Reported to Dept: 03/26/91
CID: Not reported
Spill Cause: Human Error
Water Affected: BARGE CANAL
Spill Source: Commercial/Industrial

P KOCH CHRYSLER PLYMOUTH (Continued) **S102129428**

Spill Notifier:	Local Agency
Cleanup Ceased:	03/26/91
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Not reported
Spill Closed Dt:	03/26/91
Remediation Phase:	0
Date Entered In Computer:	03/27/91
Spill Record Last Update:	01/05/96
Spiller Name:	Not reported
Spiller Company:	P KOCH CHRYSLER PLYMOUTH
Spiller Address:	SAME
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Spiller Phone:	(315) 568-2981
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	8
Program Number:	9013198
DER Facility ID:	105441
Site ID:	Not reported
Operable Unit ID:	Not reported
Operable Unit:	Not reported
Material ID:	Not reported
Material Code:	Not reported
Material Name:	Not reported
Case No.:	Not reported
Material FA:	Not reported
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	Not reported

DEC Memo: Start DECRemark - 9013198 Prior to Sept, 2004 data translation this spill Lead DEC Field was "JM" 03/26/91: FIRE DEPT & JM ON SITE 03-26. DEPLOYED BOOM TO CONTAIN MATERIAL. SOURCE OF LIQUID IS FROM DRAINAGE PIPE ON CANAL BANK. 03/26/91: UPON INVESTIGATION PIPE DETERMINED TO BE A FLOOR DRAIN IN GARAGE BAY OF PETER KOCH CAR DEALERSHIP. DEALERSHIP ADVISED NOT TO USE DRAIN. NO CLEANUP NECESSARY. 09/28/95: This is additional information about material spilled from the translation of the old spill file: CAR WASH SOAP. END DECRemark - 9013198

Remarks: Start CallerRemark - 9013198 SHEEN NOTICED ON BARGE CANAL. MATERIAL FLOWING ALONG CANAL BANK PRIOR TO ENTERING WATER. CONTACT PERSON: BILL TROUT. END CallerRemark - 9013198

NY Hist Spills:

Region of Spill:	8
Spill Number:	9013198
Investigator:	JM
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported

P KOCH CHRYSLER PLYMOUTH (Continued) **S102129428**

Spill Date/Time:	03/26/1991 16:30
Reported to Dept Date/Time:	03/26/91 17:30
SWIS:	45
Spiller Name:	P KOCH CHRYSLER PLYMOUTH
Spiller Contact:	Not reported
Spiller Phone:	(315) 568-2981
Spiller Address:	SAME
Spiller City,St,Zip:	Not reported
Spill Cause:	Human Error
Reported to Dept:	Surface Water
Water Affected:	BARGE CANAL
Spill Source:	01
Spill Notifier:	Local Agency
PBS Number:	Not reported
Cleanup Ceased:	03/26/91
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Not reported
Spill Closed Dt:	03/26/91
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	03/27/91
Date Spill Entered In Computer Data File:	Not reported
Update Date:	01/05/96
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Not reported
Quantity Spilled:	Not reported
Unkonwn Quantity Spilled:	Not reported
Units:	Not reported
Quantity Recovered:	Not reported
Unkonwn Quantity Recovered:	Not reported
Material:	Not reported
Class Type:	Not reported
Times Material Entry In File:	Not reported
CAS Number:	Not reported
Last Date:	Not reported

DEC Remarks: 03/26/91: FIRE DEPT JM ON SITE 03-26. DEPLOYED BOOM TO CONTAIN MATERIAL. SOURCE OF LIQUID IS FROM DRAINAGE PIPE ON CANAL BANK. 03/26/91: UPON INVESTIGATION PIPE DETERMINED TO BE A FLOOR DRAIN IN GARAGE BAY OF PETER KOCH CAR DEALERSHIP. DEALERSHIP ADVISED NOT TO USE DRAIN. NO CLEANUP NECESSARY. 09/28/95: This is additional information about material spilled from the translation of the old spill file: CAR WASH SOAP.

Remark: SHEEN NOTICED ON BARGE CANAL. MATERIAL FLOWING ALONG CANAL BANK PRIOR TO ENTERING WATER. CONTACT PERSON: BILL TROUT.

17
North
< 1/8
652 ft.

SENECA FALLS PUBLIC WORKS
28 OAK STREET
SENECA FALLS, NY

NY Spills **S102244459**
NY Hist Spills **N/A**

Relative:
Higher

Actual:
463 ft.

NY Spills:

Site ID:	188397
Facility Addr2:	Not reported
Facility ID:	9515844
Spill Number:	9515844
Facility Type:	ER
SWIS:	5032
Region of Spill:	8
Investigator:	JRMARCHI
Referred To:	Not reported
Spill Date:	03/11/96
Reported to Dept:	03/11/96
CID:	27
Spill Cause:	Housekeeping
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Other
Cleanup Ceased:	09/19/06
Cleanup Meets Std:	False
Last Inspection:	07/08/96
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	09/19/06
Remediation Phase:	0
Date Entered In Computer:	03/11/96
Spill Record Last Update:	09/22/06
Spiller Name:	RICHARD LAPP
Spiller Company:	SENECA FALLS PUBLIC WORKS
Spiller Address:	28 OAK STREET
Spiller City,St,Zip:	SENECA FALLS, NY 13148-
Spiller Company:	001
Spiller Phone:	(315) 568-8107
Contact Name:	RICHARD LAPP
Contact Phone:	(315) 568-8107
DEC Region:	8
Program Number:	9515844
DER Facility ID:	157353
Site ID:	188397
Operable Unit ID:	1026824
Operable Unit:	01
Material ID:	553685
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False

DEC Memo: Start DECRemark - 9515844 Prior to Sept, 2004 data translation this spill Lead DEC Field was "JM" 04/05/96 JM ON SITE WITH B & D AND SENECA FALLS DPW. TANK

SENECA FALLS PUBLIC WORKS (Continued) **S102244459**

OUT OF GROUND. NO APPARENT HOLES. SOME CONTAMINATION. THIRD TANK TO BE REMOVED IN JUNE. TOCLEANUP EXCAVATION TO MEET CLEANUP STANDARDS AT THIS TIME.
07/08/96 JM ON SITE WITH DAVE JUNCO AND RICHARD LAPP. CONTAMINATED SOIL FROM TANK AND DISPENSOR AREA BEING REMOVED. CLAY ALONG BOTTOM AND SIDEWALLS. SOIL SAMPLES TO BE TAKEN FROM EXCAVATION. DISPOSAL ARRANGEMENTS FOR SOIL TO BE MADE. TEST RESULTS AND DISPOSAL RECEIPTS TO BE FORWARDED. 09/19/2006 ALL TANKS REMOVED IN 1996. LAB RESULTS FOR SOIL SAMPLES SHOW THAT PETROLEUM COMPOUND LEVELS ARE LESS THAN TAGM VALUES. NO ADDITIONALREMEDIAL WORK NECESSARY AT THIS TIME. END DECRemark - 9515844

Remarks: Start CallerRemark - 9515844 TANK REMOVAL. 20 TONS OF SOIL REMOVED SO FAR.
TANK IN QUESTION IS LOCATED BETWEEN 2 OTHER TANKS AND FURTHER DIGGING COULD NOT BE DONE WITHOUT DAMAGING OTHER TANKS. THERE ARE PLANS TO REMOVE THE OTHER TWO TANKS THIS SUMMER. FURTHER REMEDIATION WILL BE DONE AT THAT TIME. END CallerRemark - 9515844

NY Hist Spills:

Region of Spill:	8
Spill Number:	9515844
Investigator:	JM
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	03/11/1996 15:30
Reported to Dept Date/Time:	03/11/96 16:57
SWIS:	45
Spiller Name:	SENECA FALLS PUBLIC WORKS
Spiller Contact:	RICHARD LAPP
Spiller Phone:	(315) 568-8107
Spiller Contact:	RICHARD LAPP
Spiller Phone:	(315) 568-8107
Spiller Address:	28 OAK STREET
Spiller City,St,Zip:	SENECA FALLS, NY 13148-
Spill Cause:	Housekeeping
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	02
Spill Notifier:	Other
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	07/08/96
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	03/11/96
Date Spill Entered In Computer Data File:	Not reported
Update Date:	07/19/96

SENECA FALLS PUBLIC WORKS (Continued) **S102244459**

Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True
Material:	GASOLINE
Class Type:	GASOLINE
Times Material Entry In File:	21329
CAS Number:	Not reported
Last Date:	19940929

DEC Remarks: 04/05/96 JM ON SITE WITH B D AND SENECA FALLS DPW. TANK OUT OF GROUND. NO APPARENT HOLES. SOME CONTAMINATION. THIRD TANK TO BE REMOVED IN JUNE. TO CLEANUP EXCAVATION TO MEET CLEANUP STANDARDS AT THIS TIME. 07/08/96 JM ON SITE WITH DAVE JUNCOAND RICHARD LAPP. CONTAMINATED SOIL FROM TANK AND DISPENSOR AREA BEING REMOVED. CLAY ALONG BOTTOM AND SIDEWALLS. SOIL SAMPLES TO BE TAKEN FROM EXCAVATION. DISPOSAL ARRANGEMENTS FOR SOIL TO BE MADE. TEST RESULTS AND DISPOSAL RECEIPTS TO BE FORWARDED.

Remark: TANK REMOVAL. 20 TONS OF SOIL REMOVED SO FAR. TANK IN QUESTION IS LOCATED BETWEEN 2 OTHER TANKS AND FURTHER DIGGING COULD NOT BE DONE WITHOUT DAMAGING OTHER TANKS. THERE ARE PLANS TO REMOVE THE OTHER TWO TANKS THIS SUMMER. FURTHER REMEDIATION WILL BE DONE AT THAT TIME.

18
East
1/8-1/4
744 ft.

WOMENS RIGHTS N H P **RCRA-SQG 1000556211**
116 TO 122 FALL ST **FINDS NYD986987709**
SENECA FALLS, NY 13148 **NY MANIFEST**

Relative:
Lower

Actual:
453 ft.

RCRAInfo:

Owner: DEPT OF INTERIOR NATL PARK SVC
(315) 568-2730

EPA ID: NYD986987709

Contact: Not reported

Classification: Small Quantity Generator

TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

WOMENS RIGHTS N H P (Continued) **1000556211**

NY MANIFEST:

Document ID:	NYB1721295
Manifest Status:	Completed copy
Trans1 State ID:	NYJA1589
Trans2 State ID:	Not reported
Generator Ship Date:	920205
Trans1 Recv Date:	920205
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920206
Part A Recv Date:	920220
Part B Recv Date:	920221
Generator EPA ID:	NYD986987709
Trans1 EPA ID:	NYD986941607
Trans2 EPA ID:	NYD986941607
TSDF ID:	NYD095577342
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00086
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92
Facility Type:	Generator
EPA ID:	NYD986987709
Facility Name:	WOMENS RIGHTSNATIONAL HISTORICAL PARK
Facility Address:	116-122 FALL STREET
Facility City:	SENECA FALLS
Facility Zip 4:	Not reported
Country:	Not reported
County:	SENECA
Mailing Name:	WOMENS RIGHTS NATIONAL HISTORICAL PARK
Mailing Contact:	KAREN M WILSON
Mailing Address:	PO BOX 70
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	Not reported
Mailing Country:	Not reported
Mailing Phone:	315-568-2730

Document ID:	NYB1721304
Manifest Status:	Completed copy
Trans1 State ID:	NYJA1589
Trans2 State ID:	Not reported
Generator Ship Date:	920204
Trans1 Recv Date:	920204
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920206
Part A Recv Date:	920220
Part B Recv Date:	920221
Generator EPA ID:	NYD986987709
Trans1 EPA ID:	NYD986941607
Trans2 EPA ID:	NYD986941607
TSDF ID:	NYD095577342
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00765

WOMENS RIGHTS N H P (Continued) **1000556211**

Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92
Facility Type:	Generator
EPA ID:	NYD986987709
Facility Name:	WOMENS RIGHTSNATIONAL HISTORICAL PARK
Facility Address:	116-122 FALL STREET
Facility City:	SENECA FALLS
Facility Zip 4:	Not reported
Country:	Not reported
County:	SENECA
Mailing Name:	WOMENS RIGHTS NATIONAL HISTORICAL PARK
Mailing Contact:	KAREN M WILSON
Mailing Address:	PO BOX 70
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	Not reported
Mailing Country:	Not reported
Mailing Phone:	315-568-2730

Document ID:	NYB1721142
Manifest Status:	Completed copy
Trans1 State ID:	NYJA1589
Trans2 State ID:	Not reported
Generator Ship Date:	920204
Trans1 Recv Date:	920204
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920206
Part A Recv Date:	920220
Part B Recv Date:	920220
Generator EPA ID:	NYD986987709
Trans1 EPA ID:	NYD986941607
Trans2 EPA ID:	Not reported
TSDF ID:	NYD095577342
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01094
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92
Facility Type:	Generator
EPA ID:	NYD986987709
Facility Name:	WOMENS RIGHTSNATIONAL HISTORICAL PARK
Facility Address:	116-122 FALL STREET
Facility City:	SENECA FALLS
Facility Zip 4:	Not reported
Country:	Not reported
County:	SENECA
Mailing Name:	WOMENS RIGHTS NATIONAL HISTORICAL PARK
Mailing Contact:	KAREN M WILSON
Mailing Address:	PO BOX 70

WOMENS RIGHTS N H P (Continued) **1000556211**

Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	Not reported
Mailing Country:	Not reported
Mailing Phone:	315-568-2730
Document ID:	NYB1721556
Manifest Status:	Completed copy
Trans1 State ID:	NYHU5857
Trans2 State ID:	Not reported
Generator Ship Date:	920218
Trans1 Recv Date:	920218
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920218
Part A Recv Date:	920227
Part B Recv Date:	920306
Generator EPA ID:	NYD986987709
Trans1 EPA ID:	NYD986941607
Trans2 EPA ID:	Not reported
TSDF ID:	NYD095577342
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00939
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	92
Facility Type:	Generator
EPA ID:	NYD986987709
Facility Name:	WOMENS RIGHTSNATIONAL HISTORICAL PARK
Facility Address:	116-122 FALL STREET
Facility City:	SENECA FALLS
Facility Zip 4:	Not reported
Country:	Not reported
County:	SENECA
Mailing Name:	WOMENS RIGHTS NATIONAL HISTORICAL PARK
Mailing Contact:	KAREN M WILSON
Mailing Address:	PO BOX 70
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	Not reported
Mailing Country:	Not reported
Mailing Phone:	315-568-2730
Document ID:	NYB1721412
Manifest Status:	Completed copy
Trans1 State ID:	NYJA1589
Trans2 State ID:	Not reported
Generator Ship Date:	920206
Trans1 Recv Date:	920206
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920206
Part A Recv Date:	920220
Part B Recv Date:	920220

WOMENS RIGHTS N H P (Continued) **1000556211**

Generator EPA ID:	NYD986987709
Trans1 EPA ID:	NYD986941607
Trans2 EPA ID:	Not reported
TSDF ID:	NYD095577342
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00451
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	92
Facility Type:	Generator
EPA ID:	NYD986987709
Facility Name:	WOMENS RIGHTSNATIONAL HISTORICAL PARK
Facility Address:	116-122 FALL STREET
Facility City:	SENECA FALLS
Facility Zip 4:	Not reported
Country:	Not reported
County:	SENECA
Mailing Name:	WOMENS RIGHTS NATIONAL HISTORICAL PARK
Mailing Contact:	KAREN M WILSON
Mailing Address:	PO BOX 70
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	Not reported
Mailing Country:	Not reported
Mailing Phone:	315-568-2730

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19 **MATTHEWS INT. CORP SENECA FALL FACILITY** **FINDS** **1000409347**
NNW **25 CHESTNUT ST** **RCRA-LQG** **13148MTTHW25**
1/8-1/4 **SENECA FALLS, NY 13148** **TRIS**
1012 ft. **NY MANIFEST**

Relative: Higher

FINDS:
Other Pertinent Environmental Activity Identified at Site

Actual: 469 ft.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

MATTHEWS INT. CORP SENECA FALL FACILITY (Continued) **1000409347**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo:
Owner: MATTHEWS INTERNATIONAL CORP
(212) 555-1212
EPA ID: NYD049253578

Contact: RONALD A SANDRONI
(315) 568-9835

Classification: Large Quantity Generator
TSDF Activities: Not reported

BIENNIAL REPORTS:
Last Biennial Reporting Year: 2005

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	392.00	D006	1378.00
D008	7490.00	D010	1650.00
D035	392.00	F005	392.00

Violation Status: Violations exist

Regulation Violated: 372.2(a)(8)(iii)
Area of Violation: GENRATOR-SQG REQUIREMENTS
Date Violation Determined: 01/29/2004
Actual Date Achieved Compliance: 02/25/2004

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 08/23/2003
Penalty Type: Not reported

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 02/02/2004
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined: 04/10/2003
Actual Date Achieved Compliance: 09/26/2003

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 08/23/2003
Penalty Type: Not reported

Enforcement Action: WRITTEN INFORMAL

MATTHEWS INT. CORP SENECA FALL FACILITY (Continued) **1000409347**

Enforcement Action Date: 02/02/2004
Penalty Type: Not reported

There are 2 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENRATOR-SQG REQUIREMENTS	20040225
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	20030926

NY MANIFEST:

Document ID:	NYG3132873
Manifest Status:	Not reported
Trans1 State ID:	NYD049253719
Trans2 State ID:	Not reported
Generator Ship Date:	10/19/2001
Trans1 Recv Date:	10/19/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/22/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD049253578
Trans1 EPA ID:	NYD049253719
Trans2 EPA ID:	Not reported
TSDF ID:	22969NNY
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	01366
Units:	P - Pounds
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Waste Code:	F005 - UNKNOWN
Quantity:	00485
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	01
Facility Type:	Generator
EPA ID:	NYD049253578
Facility Name:	MATTHEWS INTERNATIONAL
Facility Address:	25 CHESTNUT STREET
Facility City:	SENECA FALLS
Facility Zip 4:	Not reported
Country:	Not reported
County:	SENECA
Mailing Name:	MATTHEWS INTERNATIONAL
Mailing Contact:	Not reported
Mailing Address:	25 CHESTNUT STREET
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	Not reported
Mailing Country:	Not reported
Mailing Phone:	315-568-9835

MATTHEWS INT. CORP SENECA FALL FACILITY (Continued) **1000409347**

Document ID:	NYG3032748
Manifest Status:	Not reported
Trans1 State ID:	NYD049253719
Trans2 State ID:	Not reported
Generator Ship Date:	06/19/2001
Trans1 Recv Date:	06/19/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/19/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD049253578
Trans1 EPA ID:	NYD049253719
Trans2 EPA ID:	Not reported
TSDF ID:	V51914TN
Waste Code:	D006 - CADMIUM 1.0 MG/L TCLP
Quantity:	00288
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	02200
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	01
Facility Type:	Generator
EPA ID:	NYD049253578
Facility Name:	MATTHEWS INTERNATIONAL
Facility Address:	25 CHESTNUT STREET
Facility City:	SENECA FALLS
Facility Zip 4:	Not reported
Country:	Not reported
County:	SENECA
Mailing Name:	MATTHEWS INTERNATIONAL
Mailing Contact:	Not reported
Mailing Address:	25 CHESTNUT STREET
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	Not reported
Mailing Country:	Not reported
Mailing Phone:	315-568-9835

Document ID:	NYG3683493
Manifest Status:	Not reported
Trans1 State ID:	AC12161NY
Trans2 State ID:	Not reported
Generator Ship Date:	09/15/2004
Trans1 Recv Date:	09/15/2004
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/16/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported

MATTHEWS INT. CORP SENECA FALL FACILITY (Continued) **1000409347**

Generator EPA ID:	NYD049253578
Trans1 EPA ID:	NYD049253719
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049253
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00525
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Waste Code:	F005 - UNKNOWN
Quantity:	00425
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	04
Facility Type:	Generator
EPA ID:	NYD049253578
Facility Name:	MATTHEWS INTERNATIONAL
Facility Address:	25 CHESTNUT STREET
Facility City:	SENECA FALLS
Facility Zip 4:	Not reported
Country:	Not reported
County:	SENECA
Mailing Name:	MATTHEWS INTERNATIONAL
Mailing Contact:	Not reported
Mailing Address:	25 CHESTNUT STREET
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	Not reported
Mailing Country:	Not reported
Mailing Phone:	315-568-9835

Document ID:	NYG3717801
Manifest Status:	Not reported
Trans1 State ID:	AC12161NY
Trans2 State ID:	Not reported
Generator Ship Date:	10/13/2004
Trans1 Recv Date:	10/13/2004
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/13/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD049253578
Trans1 EPA ID:	NYD049253719
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049253
Waste Code:	D006 - CADMIUM 1.0 MG/L TCLP
Quantity:	00205
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.

MATTHEWS INT. CORP SENECA FALL FACILITY (Continued) **1000409347**

Specific Gravity:	01.00
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00628
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Waste Code:	D010 - SELENIUM 1.0 MG/L TCLP
Quantity:	01065
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	04
Facility Type:	Generator
EPA ID:	NYD049253578
Facility Name:	MATTHEWS INTERNATIONAL
Facility Address:	25 CHESTNUT STREET
Facility City:	SENECA FALLS
Facility Zip 4:	Not reported
Country:	Not reported
County:	SENECA
Mailing Name:	MATTHEWS INTERNATIONAL
Mailing Contact:	Not reported
Mailing Address:	25 CHESTNUT STREET
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	Not reported
Mailing Country:	Not reported
Mailing Phone:	315-568-9835
Document ID:	NYG3685473
Manifest Status:	Not reported
Trans1 State ID:	AC12161NY
Trans2 State ID:	Not reported
Generator Ship Date:	11/12/2004
Trans1 Recv Date:	11/12/2004
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/12/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD049253578
Trans1 EPA ID:	NYD049253719
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049253
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00625
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Waste Code:	D010 - SELENIUM 1.0 MG/L TCLP
Quantity:	01050

MATTHEWS INT. CORP SENECA FALL FACILITY (Continued) **1000409347**

Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	04
Facility Type:	Generator
EPA ID:	NYD049253578
Facility Name:	MATTHEWS INTERNATIONAL
Facility Address:	25 CHESTNUT STREET
Facility City:	SENECA FALLS
Facility Zip 4:	Not reported
Country:	Not reported
County:	SENECA
Mailing Name:	MATTHEWS INTERNATIONAL
Mailing Contact:	Not reported
Mailing Address:	25 CHESTNUT STREET
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	Not reported
Mailing Country:	Not reported
Mailing Phone:	315-568-9835

Document ID:	NYB2902905
Manifest Status:	Completed copy
Trans1 State ID:	9820YTNY
Trans2 State ID:	Not reported
Generator Ship Date:	911023
Trans1 Recv Date:	911024
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	911024
Part A Recv Date:	Not reported
Part B Recv Date:	911106
Generator EPA ID:	NYD049253578
Trans1 EPA ID:	NYD013626650
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	14900
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	91
Facility Type:	Generator
EPA ID:	NYD049253578
Facility Name:	MATTHEWS INTERNATIONAL
Facility Address:	25 CHESTNUT STREET
Facility City:	SENECA FALLS
Facility Zip 4:	Not reported
Country:	Not reported
County:	SENECA
Mailing Name:	MATTHEWS INTERNATIONAL
Mailing Contact:	Not reported
Mailing Address:	25 CHESTNUT STREET

MATTHEWS INT. CORP SENECA FALL FACILITY (Continued) **1000409347**

Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	Not reported
Mailing Country:	Not reported
Mailing Phone:	315-568-9835
Document ID:	NYB2902932
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	92578Z
Trans2 State ID:	Not reported
Generator Ship Date:	910702
Trans1 Recv Date:	910702
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910805
Part A Recv Date:	910801
Part B Recv Date:	910814
Generator EPA ID:	NYD049253578
Trans1 EPA ID:	NYD013626650
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	29120
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	91
Facility Type:	Generator
EPA ID:	NYD049253578
Facility Name:	MATTHEWS INTERNATIONAL
Facility Address:	25 CHESTNUT STREET
Facility City:	SENECA FALLS
Facility Zip 4:	Not reported
Country:	Not reported
County:	SENECA
Mailing Name:	MATTHEWS INTERNATIONAL
Mailing Contact:	Not reported
Mailing Address:	25 CHESTNUT STREET
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	Not reported
Mailing Country:	Not reported
Mailing Phone:	315-568-9835
Document ID:	NYB2851920
Manifest Status:	Completed copy
Trans1 State ID:	EZ1099
Trans2 State ID:	Not reported
Generator Ship Date:	910905
Trans1 Recv Date:	910905
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910905
Part A Recv Date:	910916
Part B Recv Date:	910913

MATTHEWS INT. CORP SENECA FALL FACILITY (Continued) **1000409347**

Generator EPA ID:	NYD049253578
Trans1 EPA ID:	NYD013277454
Trans2 EPA ID:	Not reported
TSDF ID:	NYD013277454
Waste Code:	F001 - UNKNOWN
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	91
Facility Type:	Generator
EPA ID:	NYD049253578
Facility Name:	MATTHEWS INTERNATIONAL
Facility Address:	25 CHESTNUT STREET
Facility City:	SENECA FALLS
Facility Zip 4:	Not reported
Country:	Not reported
County:	SENECA
Mailing Name:	MATTHEWS INTERNATIONAL
Mailing Contact:	Not reported
Mailing Address:	25 CHESTNUT STREET
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	Not reported
Mailing Country:	Not reported
Mailing Phone:	315-568-9835

Document ID:	NYB4078386
Manifest Status:	Completed copy
Trans1 State ID:	92588ZNY
Trans2 State ID:	86744ENY
Generator Ship Date:	941111
Trans1 Recv Date:	941111
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	941111
Part A Recv Date:	Not reported
Part B Recv Date:	941122
Generator EPA ID:	NYD049253578
Trans1 EPA ID:	NYD013626650
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	18660
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	94
Facility Type:	Generator
EPA ID:	NYD049253578
Facility Name:	MATTHEWS INTERNATIONAL
Facility Address:	25 CHESTNUT STREET
Facility City:	SENECA FALLS

MATTHEWS INT. CORP SENECA FALL FACILITY (Continued) **1000409347**

Facility Zip 4:	Not reported
Country:	Not reported
County:	SENECA
Mailing Name:	MATTHEWS INTERNATIONAL
Mailing Contact:	Not reported
Mailing Address:	25 CHESTNUT STREET
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	Not reported
Mailing Country:	Not reported
Mailing Phone:	315-568-9835
Document ID:	NYB4313736
Manifest Status:	Completed copy
Trans1 State ID:	NYHU7905
Trans2 State ID:	Not reported
Generator Ship Date:	941117
Trans1 Recv Date:	941117
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	941117
Part A Recv Date:	941202
Part B Recv Date:	941130
Generator EPA ID:	NYD049253578
Trans1 EPA ID:	NYD013277454
Trans2 EPA ID:	Not reported
TSDF ID:	NYD013277454
Waste Code:	F001 - UNKNOWN
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	94
Facility Type:	Generator
EPA ID:	NYD049253578
Facility Name:	MATTHEWS INTERNATIONAL
Facility Address:	25 CHESTNUT STREET
Facility City:	SENECA FALLS
Facility Zip 4:	Not reported
Country:	Not reported
County:	SENECA
Mailing Name:	MATTHEWS INTERNATIONAL
Mailing Contact:	Not reported
Mailing Address:	25 CHESTNUT STREET
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	Not reported
Mailing Country:	Not reported
Mailing Phone:	315-568-9835
Document ID:	NYG0462564
Manifest Status:	Completed copy
Trans1 State ID:	1306AONY
Trans2 State ID:	Not reported

MATTHEWS INT. CORP SENECA FALL FACILITY (Continued) **1000409347**

Generator Ship Date:	971118
Trans1 Recv Date:	971118
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	971119
Part A Recv Date:	971210
Part B Recv Date:	971204
Generator EPA ID:	NYD049253578
Trans1 EPA ID:	NYD049253719
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049253719
Waste Code:	D006 - CADMIUM 1.0 MG/L TCLP
Quantity:	00540
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	03311
Units:	P - Pounds
Number of Containers:	007
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00365
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	97
Facility Type:	Generator
EPA ID:	NYD049253578
Facility Name:	MATTHEWS INTERNATIONAL
Facility Address:	25 CHESTNUT STREET
Facility City:	SENECA FALLS
Facility Zip 4:	Not reported
Country:	Not reported
County:	SENECA
Mailing Name:	MATTHEWS INTERNATIONAL
Mailing Contact:	Not reported
Mailing Address:	25 CHESTNUT STREET
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	Not reported
Mailing Country:	Not reported
Mailing Phone:	315-568-9835
Document ID:	NYG0343719
Manifest Status:	Completed copy
Trans1 State ID:	49187AK
Trans2 State ID:	Not reported
Generator Ship Date:	971124
Trans1 Recv Date:	971124
Trans2 Recv Date:	Not reported

MATTHEWS INT. CORP SENECA FALL FACILITY (Continued) **1000409347**

TSD Site Recv Date:	971124
Part A Recv Date:	980115
Part B Recv Date:	971209
Generator EPA ID:	NYD049253578
Trans1 EPA ID:	NYD013277454
Trans2 EPA ID:	Not reported
TSDF ID:	NYD013277454
Waste Code:	F001 - UNKNOWN
Quantity:	00040
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	97
Facility Type:	Generator
EPA ID:	NYD049253578
Facility Name:	MATTHEWS INTERNATIONAL
Facility Address:	25 CHESTNUT STREET
Facility City:	SENECA FALLS
Facility Zip 4:	Not reported
Country:	Not reported
County:	SENECA
Mailing Name:	MATTHEWS INTERNATIONAL
Mailing Contact:	Not reported
Mailing Address:	25 CHESTNUT STREET
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	Not reported
Mailing Country:	Not reported
Mailing Phone:	315-568-9835

Document ID:	NYG0343206
Manifest Status:	Completed copy
Trans1 State ID:	49187AK
Trans2 State ID:	Not reported
Generator Ship Date:	971031
Trans1 Recv Date:	971031
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	971031
Part A Recv Date:	971120
Part B Recv Date:	971118
Generator EPA ID:	NYD049253578
Trans1 EPA ID:	NYD013277454
Trans2 EPA ID:	Not reported
TSDF ID:	NYD013277454
Waste Code:	F001 - UNKNOWN
Quantity:	00030
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	97
Facility Type:	Generator
EPA ID:	NYD049253578

MATTHEWS INT. CORP SENECA FALL FACILITY (Continued) **1000409347**

Facility Name:	MATTHEWS INTERNATIONAL
Facility Address:	25 CHESTNUT STREET
Facility City:	SENECA FALLS
Facility Zip 4:	Not reported
Country:	Not reported
County:	SENECA
Mailing Name:	MATTHEWS INTERNATIONAL
Mailing Contact:	Not reported
Mailing Address:	25 CHESTNUT STREET
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	Not reported
Mailing Country:	Not reported
Mailing Phone:	315-568-9835
Document ID:	NYG2643093
Manifest Status:	Not reported
Trans1 State ID:	NYD049253719
Trans2 State ID:	Not reported
Generator Ship Date:	05/01/2000
Trans1 Recv Date:	05/01/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/02/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD049253578
Trans1 EPA ID:	NYD049253719
Trans2 EPA ID:	Not reported
TSDF ID:	22969NNY
Waste Code:	D006 - CADMIUM 1.0 MG/L TCLP
Quantity:	00520
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	02244
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Waste Code:	F005 - UNKNOWN
Quantity:	00395
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	00
Facility Type:	Generator
EPA ID:	NYD049253578
Facility Name:	MATTHEWS INTERNATIONAL
Facility Address:	25 CHESTNUT STREET
Facility City:	SENECA FALLS

MATTHEWS INT. CORP SENECA FALL FACILITY (Continued) **1000409347**

Facility Zip 4:	Not reported
Country:	Not reported
County:	SENECA
Mailing Name:	MATTHEWS INTERNATIONAL
Mailing Contact:	Not reported
Mailing Address:	25 CHESTNUT STREET
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	Not reported
Mailing Country:	Not reported
Mailing Phone:	315-568-9835
Document ID:	NYG4434768
Manifest Status:	Not reported
Trans1 State ID:	NYD049253719
Trans2 State ID:	Not reported
Generator Ship Date:	01/19/2006
Trans1 Recv Date:	01/19/2006
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/20/2006
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD049253578
Trans1 EPA ID:	2450B7NY
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049253719
Waste Code:	D006 - CADMIUM 1.0 MG/L TCLP
Quantity:	00200
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00665
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	06
Facility Type:	Generator
EPA ID:	NYD049253578
Facility Name:	MATTHEWS INTERNATIONAL
Facility Address:	25 CHESTNUT STREET
Facility City:	SENECA FALLS
Facility Zip 4:	Not reported
Country:	Not reported
County:	SENECA
Mailing Name:	MATTHEWS INTERNATIONAL
Mailing Contact:	Not reported
Mailing Address:	25 CHESTNUT STREET
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	Not reported

MATTHEWS INT. CORP SENECA FALL FACILITY (Continued) **1000409347**

Mailing Country:	Not reported
Mailing Phone:	315-568-9835
Document ID:	NYG4164903
Manifest Status:	Not reported
Trans1 State ID:	NYD049253719
Trans2 State ID:	Not reported
Generator Ship Date:	03/17/2006
Trans1 Recv Date:	03/17/2006
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	03/20/2006
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD049253578
Trans1 EPA ID:	2450B7NY
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049253719
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00703
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	06
Facility Type:	Generator
EPA ID:	NYD049253578
Facility Name:	MATTHEWS INTERNATIONAL
Facility Address:	25 CHESTNUT STREET
Facility City:	SENECA FALLS
Facility Zip 4:	Not reported
Country:	Not reported
County:	SENECA
Mailing Name:	MATTHEWS INTERNATIONAL
Mailing Contact:	Not reported
Mailing Address:	25 CHESTNUT STREET
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	Not reported
Mailing Country:	Not reported
Mailing Phone:	315-568-9835
Document ID:	NYG3327588
Manifest Status:	Not reported
Trans1 State ID:	NYD049253719
Trans2 State ID:	Not reported
Generator Ship Date:	03/19/2002
Trans1 Recv Date:	03/19/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	03/21/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD049253578
Trans1 EPA ID:	NYD049253719
Trans2 EPA ID:	Not reported
TSDF ID:	AC12161NY

MATTHEWS INT. CORP SENECA FALL FACILITY (Continued) **1000409347**

Waste Code:	D006 - CADMIUM 1.0 MG/L TCLP
Quantity:	00245
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	01210
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Waste Code:	F005 - UNKNOWN
Quantity:	00450
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	02
Facility Type:	Generator
EPA ID:	NYD049253578
Facility Name:	MATTHEWS INTERNATIONAL
Facility Address:	25 CHESTNUT STREET
Facility City:	SENECA FALLS
Facility Zip 4:	Not reported
Country:	Not reported
County:	SENECA
Mailing Name:	MATTHEWS INTERNATIONAL
Mailing Contact:	Not reported
Mailing Address:	25 CHESTNUT STREET
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	Not reported
Mailing Country:	Not reported
Mailing Phone:	315-568-9835
Document ID:	NYG3235167
Manifest Status:	Not reported
Trans1 State ID:	NYD049253719
Trans2 State ID:	Not reported
Generator Ship Date:	01/14/2002
Trans1 Recv Date:	01/14/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/14/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD049253578
Trans1 EPA ID:	NYD049253719
Trans2 EPA ID:	Not reported
TSDF ID:	AC12161NY
Waste Code:	D006 - CADMIUM 1.0 MG/L TCLP
Quantity:	00650
Units:	P - Pounds

MATTHEWS INT. CORP SENECA FALL FACILITY (Continued) **1000409347**

Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	03080
Units:	P - Pounds
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	02
Facility Type:	Generator
EPA ID:	NYD049253578
Facility Name:	MATTHEWS INTERNATIONAL
Facility Address:	25 CHESTNUT STREET
Facility City:	SENECA FALLS
Facility Zip 4:	Not reported
Country:	Not reported
County:	SENECA
Mailing Name:	MATTHEWS INTERNATIONAL
Mailing Contact:	Not reported
Mailing Address:	25 CHESTNUT STREET
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	Not reported
Mailing Country:	Not reported
Mailing Phone:	315-568-9835

Document ID:	NYG4332555
Manifest Status:	Not reported
Trans1 State ID:	AC12162NY
Trans2 State ID:	Not reported
Generator Ship Date:	01/21/2004
Trans1 Recv Date:	01/21/2004
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/21/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD049253578
Trans1 EPA ID:	NYD049253719
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049253
Waste Code:	F005 - UNKNOWN
Quantity:	00570
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	04
Facility Type:	Generator
EPA ID:	NYD049253578
Facility Name:	MATTHEWS INTERNATIONAL
Facility Address:	25 CHESTNUT STREET
Facility City:	SENECA FALLS

MATTHEWS INT. CORP SENECA FALL FACILITY (Continued) **1000409347**

Facility Zip 4:	Not reported
Country:	Not reported
County:	SENECA
Mailing Name:	MATTHEWS INTERNATIONAL
Mailing Contact:	Not reported
Mailing Address:	25 CHESTNUT STREET
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	Not reported
Mailing Country:	Not reported
Mailing Phone:	315-568-9835
Document ID:	NYG4331115
Manifest Status:	Not reported
Trans1 State ID:	0764814ME
Trans2 State ID:	Not reported
Generator Ship Date:	02/16/2004
Trans1 Recv Date:	02/16/2004
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/18/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD049253578
Trans1 EPA ID:	NYD049253719
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049253
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00630
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	04
Facility Type:	Generator
EPA ID:	NYD049253578
Facility Name:	MATTHEWS INTERNATIONAL
Facility Address:	25 CHESTNUT STREET
Facility City:	SENECA FALLS
Facility Zip 4:	Not reported
Country:	Not reported
County:	SENECA
Mailing Name:	MATTHEWS INTERNATIONAL
Mailing Contact:	Not reported
Mailing Address:	25 CHESTNUT STREET
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	Not reported
Mailing Country:	Not reported
Mailing Phone:	315-568-9835

Click this hyperlink while viewing on your computer to access
91 additional NY_MANIFEST: record(s) in the EDR Site Report.

20
East
1/8-1/4
1130 ft.

WOMAN'S RIGHTS NATIONAL HISTORICAL PARK
126-136 FALL STREET
SENECA FALLS, NY 13148

UST
HIST UST

U003315932
N/A

Relative:
Lower

Actual:
452 ft.

UST:

Facility ID:	8-600018
Program Type:	PBS
Tank Number:	001
Tank Model:	Not reported
Pipe Model:	Not reported
Tank Location Name:	Underground
Tank Status:	Closed - Removed
Active Status:	Inactive
Install Date:	/ /
Capacity Gallons:	1500
Material Name:	Lube Oil
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Underground/On-ground
Pipe Type Name:	Steel/Carbon Steel/Iron
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	02/01/92

UST:

Facility Id:	8-600018
Expiration Date:	07/01/96
Renewal Date:	/ /
Total Capacity:	0
Facility Type:	Not reported
Mailing Company:	WOMEN'S RIGHTS NATIONAL HISTORIC PARK
Mailing Title:	Not reported
Mailing Contact:	LEROY RENNINGER
Mailing Address:	PO BOX 70
Mailing Address 2:	Not reported
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip Code:	13148
Mailing Phone No:	(315) 568-2991
Mailing Email:	Not reported
Owner Title:	Not reported
Owner Name:	Not reported

WOMAN'S RIGHTS NATIONAL HISTORICAL PARK (Continued) **U003315932**

Owner Address:	PO BOX 70, 116 FALL STREET
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	13148
Owner Phone:	(315) 568-2991
Owner Company:	WOMEN'S RIGHTS NATIONAL HISTORICAL PARK
Emergency Contact:	LEROY RENNINGER
Emergency Phone:	(315) 568-4238
Operator:	LEROY RENNINGER
Operator Phone:	(315) 568-2991
Owner City:	SENECA FALLS
Owner Sub Type:	Federal Government
Facility ID:	8-600018
Program Type:	PBS
Tank Number:	003
Tank Model:	Not reported
Pipe Model:	Not reported
Tank Location Name:	Underground
Tank Status:	Closed - Removed
Active Status:	Inactive
Install Date:	/ /
Capacity Gallons:	800
Material Name:	#2 Fuel Oil
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Underground/On-ground
Pipe Type Name:	Steel/Carbon Steel/Iron
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	02/01/92

UST:

Facility Id:	8-600018
Expiration Date:	07/01/96
Renewal Date:	/ /
Total Capacity:	0
Facility Type:	Not reported
Mailing Company:	WOMEN'S RIGHTS NATIONAL HISTORIC PARK
Mailing Title:	Not reported
Mailing Contact:	LEROY RENNINGER

WOMAN'S RIGHTS NATIONAL HISTORICAL PARK (Continued) **U003315932**

Mailing Address:	PO BOX 70
Mailing Address 2:	Not reported
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip Code:	13148
Mailing Phone No:	(315) 568-2991
Mailing Email:	Not reported
Owner Title:	Not reported
Owner Name:	Not reported
Owner Address:	PO BOX 70, 116 FALL STREET
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	13148
Owner Phone:	(315) 568-2991
Owner Company:	WOMEN'S RIGHTS NATIONAL HISTORICAL PARK
Emergency Contact:	LEROY RENNINGER
Emergency Phone:	(315) 568-4238
Operator:	LEROY RENNINGER
Operator Phone:	(315) 568-2991
Owner City:	SENECA FALLS
Owner Sub Type:	Federal Government

Facility ID:	8-600018
Program Type:	PBS
Tank Number:	004
Tank Model:	Not reported
Pipe Model:	Not reported
Tank Location Name:	Underground
Tank Status:	Closed - Removed
Active Status:	Inactive
Install Date:	/ /
Capacity Gallons:	2000
Material Name:	Gasoline
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Underground/On-ground
Pipe Type Name:	Galvanized Steel
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	02/01/92

WOMAN'S RIGHTS NATIONAL HISTORICAL PARK (Continued) **U003315932**

UST:

Facility Id:	8-600018
Expiration Date:	07/01/96
Renewal Date:	/ /
Total Capacity:	0
Facility Type:	Not reported
Mailing Company:	WOMEN'S RIGHTS NATIONAL HISTORIC PARK
Mailing Title:	Not reported
Mailing Contact:	LEROY RENNINGER
Mailing Address:	PO BOX 70
Mailing Address 2:	Not reported
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip Code:	13148
Mailing Phone No:	(315) 568-2991
Mailing Email:	Not reported
Owner Title:	Not reported
Owner Name:	Not reported
Owner Address:	PO BOX 70, 116 FALL STREET
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	13148
Owner Phone:	(315) 568-2991
Owner Company:	WOMEN'S RIGHTS NATIONAL HISTORICAL PARK
Emergency Contact:	LEROY RENNINGER
Emergency Phone:	(315) 568-4238
Operator:	LEROY RENNINGER
Operator Phone:	(315) 568-2991
Owner City:	SENECA FALLS
Owner Sub Type:	Federal Government

Facility ID:	8-600018
Program Type:	PBS
Tank Number:	002
Tank Model:	Not reported
Pipe Model:	Not reported
Tank Location Name:	Underground
Tank Status:	Closed - Removed
Active Status:	Inactive
Install Date:	/ /
Capacity Gallons:	3000
Material Name:	Gasoline
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	Painted/Asphalt Coating
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Underground/On-ground
Pipe Type Name:	Galvanized Steel
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported

WOMAN'S RIGHTS NATIONAL HISTORICAL PARK (Continued) **U003315932**

Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	02/01/92

UST:

Facility Id:	8-600018
Expiration Date:	07/01/96
Renewal Date:	/ /
Total Capacity:	0
Facility Type:	Not reported
Mailing Company:	WOMEN'S RIGHTS NATIONAL HISTORIC PARK
Mailing Title:	Not reported
Mailing Contact:	LEROY RENNINGER
Mailing Address:	PO BOX 70
Mailing Address 2:	Not reported
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip Code:	13148
Mailing Phone No:	(315) 568-2991
Mailing Email:	Not reported
Owner Title:	Not reported
Owner Name:	Not reported
Owner Address:	PO BOX 70, 116 FALL STREET
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	13148
Owner Phone:	(315) 568-2991
Owner Company:	WOMEN'S RIGHTS NATIONAL HISTORICAL PARK
Emergency Contact:	LEROY RENNINGER
Emergency Phone:	(315) 568-4238
Operator:	LEROY RENNINGER
Operator Phone:	(315) 568-2991
Owner City:	SENECA FALLS
Owner Sub Type:	Federal Government

HIST UST:

PBS Number:	8-600018
SPDES Number:	Not reported
Emergency Contact:	LEROY RENNINGER
Emergency Telephone:	(315) 568-4238
Operator:	LEROY RENNINGER
Operator Telephone:	(315) 568-2991
Owner Name:	WOMEN'S RIGHTS NATIONAL HISTORICAL PARK
Owner Address:	PO BOX 70, 116 FALL STREET
Owner City,St,Zip:	SENECA FALLS, NY 13148
Owner Telephone:	(315) 568-2991
Owner Type:	Federal Government
Owner Subtype:	Not reported
Mailing Name:	WOMEN'S RIGHTS NATIONAL HISTORIC PARK
Mailing Address:	PO BOX 70
Mailing Address 2:	Not reported

WOMAN'S RIGHTS NATIONAL HISTORICAL PARK (Continued) **U003315932**

Mailing City,St,Zip:	SENECA FALLS, NY 13148
Mailing Contact:	LEROY RENNINGER
Mailing Telephone:	(315) 568-2991
Owner Mark:	First Owner
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2:	Not reported
SWIS ID:	4532
Old PBS Number:	Not reported
Facility Type:	OTHER
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	07/03/1991
Expiration Date:	07/01/1996
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	SENECA FALLS
County Code:	45
Town or City:	32
Region:	8

Tank Id:	004
Tank Location:	UNDERGROUND
Install Date:	Not reported
Capacity (gals):	2000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	02/01/1992
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	42|54|39 / 76|48|02

WOMAN'S RIGHTS NATIONAL HISTORICAL PARK (Continued) **U003315932**

Tank Id:	001
Tank Location:	UNDERGROUND
Install Date:	Not reported
Capacity (gals):	1500
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	02/01/1992
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	42|54|39 / 76|48|02

Tank Id:	002
Tank Location:	UNDERGROUND
Install Date:	Not reported
Capacity (gals):	3000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	02/01/1992
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	42|54|39 / 76|48|02

Tank Id:	003
Tank Location:	UNDERGROUND
Install Date:	Not reported
Capacity (gals):	800
Product Stored:	NOS 1,2, OR 4 FUEL OIL

WOMAN'S RIGHTS NATIONAL HISTORICAL PARK (Continued) **U003315932**

Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	02/01/1992
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	42|54|39 / 76|48|02

E21 **NORTHWEST STORAGE AREA** **VCP** **S106229065**
West **240 FALL STREET** **N/A**
1/4-1/2 **SENECA FALLS, NY 13148**
1525 ft.

Site 1 of 3 in cluster E

Relative:
Equal

Actual:
455 ft.

VCP:

Program Type:	BCP
Site Code:	57345
Assessment:	Not reported
Env Problems:	The primary contaminant of concern at the site includes PCBs in soil. Groundwater at the site contains chlorinated organic compounds above the NYS groundwater standards. The proposed Remedial Action Plan calls for excavation and removal of PCB-contaminated soil for restricte use, and a 12-inch thick clean soil cover. A deed restriction will limit use of the site to industrial or commercial and restrict the use of groundwater. A site management plan will address future excavations at the site.
Site Desc:	The Northwest Storage Area is located in a suburban portion of Seneca County, NY. The 2.17-acre site is a part of the 50-acre Goulds Pumps facility. The main site features include an enclosed hazardous waste storage shed and an open equipment storage area. The site is bounded by the closed Goulds Pumps landfill on the west, Goulds Pumps Building 605 to the south, and hazardous waste storage shed to the north. The site's eastern boundry crosses through an equipment storage area with no specific landmarks. Poor housekeeping during the years of processing, storing, maintaining and decommissioning of PCB transformers appears to have led to soil contamination with PCBs and SVOCs, and groundwater contamination with volatile organic compounds (VOCs). Groundwater in the area is not suitable for potable purposes; potable water is provided by the Village of Seneca Falls. As of this update, the remedial investigation has been completed and a Remedial Action Plan has been prepared. Theproposed remedy includes excavation and removal of PCB-contaminated soil, a 12-inch thick soil cap. Also, a deed restriction will be placed to prohibit site use other than industrial or commercial, and a soil management plan will be developed to address proper handling of soil during future excavations. The Brownfield Cleanup Agreement was executed on October 14, 2004. The Remedial Action Plan was approved as an Interim Remedial Measure (IRM). The PCB-contaminated soil removal IRM was completed in 2005. The IRM Report is under review by the Department. The groundwater contamination will be

NORTHWEST STORAGE AREA (Continued) **S106229065**

addressed.

E22 **GOULDS PUMPS** **SHWS** **S100125092**
West **240 FALL STREET** **NY Spills** **N/A**
1/4-1/2 **SENECA FALLS, NY** **INST CONTROL**
1525 ft. **NY Hist Spills**

Site 2 of 3 in cluster E

Relative: Equal

Actual: 455 ft.

SHWS:

Program:	HW
Site Code:	58801
Classification:	SITE IS PROPERLY CLOSED - REQUIRES CONTINUED MANAGEMENT
Region:	8
Acres:	8.1
HW Code:	850002
Record Add:	1999-11-18 12:00:00
Record Upd:	2006-03-31 15:22:00
Updated By:	BXPUTZIG

Site Description: The Goulds Pumps Engineered Products Division site is located in an suburban portion of Seneca County. The main site feature includes an inactive landfill located adjacent to the Goulds Pumps manufacturing plant. Seneca River flows approximately 1000 feet south of the site. The surrounding parcels are used for a combination of residential and commercial purposes. This landfill was used exclusively by Gould Pumps for disposal of all of their wastes from 1904 to 1980. The wastes disposed here included acetylene generator and scrubber sludge, waste solvents, chromic acid, foundry sand resins, coolant, oil, mercury spill kits, capacitors, emission control dust and other types of industrial waste. A preliminary site investigation was completed in December 1990 and a Remedial Investigation (RI) was completed in 1994. Analytical results from sampling revealed elevated levels of volatile and semi-volatile organic compounds (VOCs & SVOCs) and PCBs in both soils & sediments.Groundwater was contaminated with manganese, magnesium and antimony at levels exceeding Part 703 groundwater standards. Surface water and sediment samples revealed elevated metals. Sediment samples also revealed elevated levels of SVOCs and PCBs.A Record of Decision (ROD) was issued by NYSDEC in February 1995. Construction of a landfill cap and leachate collection system was completed in December 1997. Post-closure long-term groundwater monitoring, operation and maintenance (O&M) of the landfill cap is underway.

Environmental Problems: The primary contaminants of concern at the site include organic and inorganic compounds, and PCBs. Implementation of the Record of Decision (ROD) has ensured the proper closure of this site. No significant contaminant migration has occurred and thesite does not pose a significant threat to the environment.

Health Problems Assesment: The site is fenced and capped, thereby eliminating potential direct contact exposures. Exposures via drinking water are not expected because public water is supplied to nearby homes and businesses.

Dump:	True
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	1900
Disp Term:	1980
Lat/Long:	42:54:50:0 / 76:48:55:0
Dell:	F
Record Add:	11/18/99
Record Upd:	11/18/99
Updated By:	INITIAL
Own Op:	03

GOULDS PUMPS (Continued) **S100125092**

Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	GOULDS PUMP
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	ZZ
Owner Country:	United States of America
Own Op:	01
Sub Type:	E
Owner Name:	GARY ELKIN
Owner Company:	GOULDS PUMP
Owner Address:	300 WILLOWBROOK OFFICE PARK
Owner Addr2:	Not reported
Owner City,St,Zip:	FAIRPORT,, NY 14450
Owner Country:	United States of America
Own Op:	04
Sub Type:	E
Owner Name:	Not reported
Owner Company:	Goulds Pump
Owner Address:	240 Fall Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Seneca Falls, NY 13148
Owner Country:	United States of America
Own Op:	01
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	Goulds Pump
Owner Address:	240 Fall Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Seneca Falls, NY 13148
Owner Country:	United States of America
Own Op:	04
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	Goulds Pump
Owner Address:	240 Fall Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Seneca Falls, NY 13148
Owner Country:	United States of America
HW Code:	850002
Waste Type:	MERCURY
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	850002
Waste Type:	SODIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	850002
Waste Type:	MAGNESIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	850002
Waste Type:	MANGANESE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	850002
Waste Type:	IRON

GOULDS PUMPS (Continued) **S100125092**

Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: NYD002225100
Cross Ref Type Code: 05
Cross Ref Type: EPA Site ID
Record Added Date: 11/18/99
Record Updated: 05/10/01
Updated By: REGTRANS

NY Spills:
Site ID: 183770
Facility Addr2: Not reported
Facility ID: 9970461
Spill Number: 9970461
Facility Type: ER
SWIS: 5032
Region of Spill: 8
Investigator: CAHETTEN
Referred To: Not reported
Spill Date: 11/04/99
Reported to Dept: 11/04/99
CID: 27
Spill Cause: Unknown
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Responsible Party
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Remediation Phase: 1
Date Entered In Computer: 11/04/99
Spill Record Last Update: 11/05/99
Spiller Name: MIKE BOYEA
Spiller Company: GOULDS PUMPS
Spiller Address: 240 FALL STREET
Spiller City,St,Zip: SENECA FALLS, NY 13148-
Spiller Company: 001
Spiller Phone: (315) 568-7825
Contact Name: ROB MOLLOY
Contact Phone: (315) 568-7436
DEC Region: 8
Program Number: 9970461
DER Facility ID: 153812
Site ID: 183770
Operable Unit ID: 1090915
Operable Unit: 01
Material ID: 291231
Material Code: 0066A
Material Name: UNKNOWN PETROLEUM
Case No.: Not reported
Material FA: Petroleum
Quantity: 0.00

GOULDS PUMPS (Continued) **S100125092**

Units: Gallons
Recovered: 0.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Start DECRemark - 9970461 Prior to Sept, 2004 data translation this spill Lead DEC Field was "CH" END DECRemark - 9970461
Remarks: Start CallerRemark - 9970461 DURING SITE ASSESSMENT WORK AND PRELIMINARY WORK FOR SOME NEW CONSTRUCTION, SOME CONTAMINATION WAS NOTED IMMEDIATELY UNDER THE CONCRETE FLOOR AT THE FACILITY. THE MATERIAL IS UNKNOWN AT THIS TIME, BUT APPEARS TO BE AN OILY SUBSTANCE. ANALYTICAL SAMPLES WERE TAKEN, AND THE RESULTS WILL BE FORWARDED TO NYSDEC. END CallerRemark - 9970461

Site ID: 183769
Facility Addr2: Not reported
Facility ID: 9804540
Spill Number: 9804540
Facility Type: ER
SWIS: 5032
Region of Spill: 8
Investigator: JRMARCHI
Referred To: Not reported
Spill Date: 07/10/98
Reported to Dept: 07/10/98
CID: 27
Spill Cause: Equipment Failure
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Responsible Party
Cleanup Ceased: 06/04/01
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 06/04/01
Remediation Phase: 0
Date Entered In Computer: 07/10/98
Spill Record Last Update: 06/04/01
Spiller Name: MIKE BOYEA
Spiller Company: GOULDS PUMPS
Spiller Address: 240 FALL STREET
Spiller City,St,Zip: SENECA FALLS, NY 13148-
Spiller Company: 001
Spiller Phone: (315) 568-7825
Contact Name: Not reported
Contact Phone: Not reported
DEC Region: 8
Program Number: 9804540
DER Facility ID: 153812
Site ID: 183769
Operable Unit ID: 1065422
Operable Unit: 01
Material ID: 319256
Material Code: 0010A
Material Name: HYDRAULIC OIL
Case No.: Not reported

GOULDS PUMPS (Continued) **S100125092**

Material FA: Other
Quantity: 20.00
Units: Gallons
Recovered: 0.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Start DECRemark - 9804540 Prior to Sept, 2004 data translation this spill Lead DEC Field was "JM" END DECRemark - 9804540
Remarks: Start CallerRemark - 9804540 A hydraulic line on a trash compactor in the foundry area blew, spilling hydraulic oil to the pavement around the compactor. Speedy dri and absorbents were used to contain and do the cleanup. No drains were impacted. ENDCallerRemark - 9804540

Click this hyperlink while viewing on your computer to access additional NY_SPILL: detail in the EDR Site Report.

INST CONTROL:
Site Code: 58801
Control Name: Consent Order/Decree
HW Code: 850002
Control Code: 05
Control Type: INST
Dt record added: 07/14/04
Dt rec updated: 07/18/06
Updated By: BXPUTZIG
Env Problem: The primary contaminants of concern at the site include organic and inorganic compounds, and PCBs. Implementation of the Record of Decision (ROD) has ensured the proper closure of this site. No significant contaminant migration has occurred and theThe primary contaminants of concern at the site include organic and inorganic compounds, and PCBs. Implementation of the Record of Decision (ROD) has ensured the proper closure of this site. No significant contaminant migration has occurred and theThe primary contaminants of concern at the site include organic and inorganic compounds, and PCBs. Implementation of the Record of Decision (ROD) has ensured the proper closure of this site. No significant contaminant migration has occurred and thesite does not pose a significant threat to the environment.site does not pose a significant threat to the environment.site does not pose a significant threat to the environment.
Health Problem: The site is fenced and capped, thereby eliminating potential direct contact exposures. Exposures via drinking water are not expected because public water is supplied to nearby homes and businesses.The site is fenced and capped, thereby eliminating potential direct contact exposures. Exposures via drinking water are not expected because public water is supplied to nearby homes and businesses.The site is fenced and capped, thereby eliminating potential direct contact exposures. Exposures via drinking water are not expected because public water is supplied to nearby homes and businesses.
Site Description: The Goulds Pumps Engineered Products Division site is located in an suburban portion of Seneca County. The main site feature includes an inactive landfill located adjacent to the Goulds Pumps manufacturing plant. Seneca River flows approximately 1The Goulds Pumps Engineered Products Division site is located in an suburban portion of Seneca County. The main site feature includes an inactive landfill located adjacent to the Goulds Pumps manufacturing plant. Seneca River flows approximately 1The Goulds Pumps Engineered Products Division site is located in an suburban portion of Seneca County. The main site feature includes an inactive landfill located adjacent to the Goulds Pumps manufacturing plant. Seneca River flows approximately 1000 feet south of the site. The surrounding parcels are used for a combination of residential and commercial purposes. This landfill was used exclusively by Gould Pumps for

GOULDS PUMPS (Continued) **S100125092**

disposal of all of their wastes from 1904 to 1980. The wastes disposed he000 feet south of the site. The surrounding parcels are used for a combination of residential and commercial purposes. This landfill was used exclusively by Gould Pumps for disposal of all of their wastes from 1904 to 1980. The wastes disposed he000 feet south of the site. The surrounding parcels are used for a combination of residential and commercial purposes. This landfill was used exclusively by Gould Pumps for disposal of all of their wastes from 1904 to 1980. The wastes disposed here included acetylene generator and scrubber sludge, waste solvents, chromic acid, foundry sand resins, coolant, oil, mercury spill kits, capacitors, emission control dust and other types of industrial waste. A preliminary site investigation was core included acetylene generator and scrubber sludge, waste solvents, chromic acid, foundry sand resins, coolant, oil, mercury spill kits, capacitors, emission control dust and other types of industrial waste. A preliminary site investigation was core included acetylene generator and scrubber sludge, waste solvents, chromic acid, foundry sand resins, coolant, oil, mercury spill kits, capacitors, emission control dust and other types of industrial waste. A preliminary site investigation was completed in December 1990 and a Remedial Investigation (RI) was completed in 1994. Analytical results from sampling revealed elevated levels of volatile and semi-volatile organic compounds (VOCs & SVOCs) and PCBs in both soils & sediments.mpleted in December 1990 and a Remedial Investigation (RI) was completed in 1994. Analytical results from sampling revealed elevated levels of volatile and semi-volatile organic compounds (VOCs & SVOCs) and PCBs in both soils & sediments.mpleted in December 1990 and a Remedial Investigation (RI) was completed in 1994. Analytical results from sampling revealed elevated levels of volatile and semi-volatile organic compounds (VOCs & SVOCs) and PCBs in both soils & sediments.Groundwater was contaminated with manganese, magnesium and antimony at levels exceeding Part 703 groundwater standards. Surface water and sediment samples revealed elevated metals. Sediment samples also revealed elevated levels of SVOCs and PCBs.Groundwater was contaminated with manganese, magnesium and antimony at levels exceeding Part 703 groundwater standards. Surface water and sediment samples revealed elevated metals. Sediment samples also revealed elevated levels of SVOCs and PCBs.Groundwater was contaminated with manganese, magnesium and antimony at levels exceeding Part 703 groundwater standards. Surface water and sediment samples revealed elevated metals. Sediment samples also revealed elevated levels of SVOCs and PCBs.A Record of Decision (ROD) was issued by NYSDEC in February 1995. Construction of a landfill cap and leachate collection system was completed in December 1997. Post-closure long-term groundwater monitoring, operation and maintenance (O&M) of tA Record of Decision (ROD) was issued by NYSDEC in February 1995. Construction of a landfill cap and leachate collection system was completed in December 1997. Post-closure long-term groundwater monitoring, operation and maintenance (O&M) of tA Record of Decision (ROD) was issued by NYSDEC in February 1995. Construction of a landfill cap and leachate collection system was completed in December 1997. Post-closure long-term groundwater monitoring, operation and maintenance (O&M) of the landfill cap is underway.he landfill cap is underway.he landfill cap is underway.

Site Code: 58801
Control Name: Hazardous Waste Site Registry
HW Code: 850002
Control Code: 07
Control Type: INST
Dt record added: 07/14/04
Dt rec updated: 07/18/06
Updated By: BXPUTZIG

GOULDS PUMPS (Continued) **S100125092**

Env Problem: The primary contaminants of concern at the site include organic and inorganic compounds, and PCBs. Implementation of the Record of Decision (ROD) has ensured the proper closure of this site. No significant contaminant migration has occurred and theThe primary contaminants of concern at the site include organic and inorganic compounds, and PCBs. Implementation of the Record of Decision (ROD) has ensured the proper closure of this site. No significant contaminant migration has occurred and theThe primary contaminants of concern at the site include organic and inorganic compounds, and PCBs. Implementation of the Record of Decision (ROD) has ensured the proper closure of this site. No significant contaminant migration has occurred and thesite does not pose a significant threat to the environment.site does not pose a significant threat to the environment.site does not pose a significant threat to the environment.

Health Problem: The site is fenced and capped, thereby eliminating potential direct contact exposures. Exposures via drinking water are not expected because public water is supplied to nearby homes and businesses.The site is fenced and capped, thereby eliminating potential direct contact exposures. Exposures via drinking water are not expected because public water is supplied to nearby homes and businesses.The site is fenced and capped, thereby eliminating potential direct contact exposures. Exposures via drinking water are not expected because public water is supplied to nearby homes and businesses.

Site Description: The Goulds Pumps Engineered Products Division site is located in an suburban portion of Seneca County. The main site feature includes an inactive landfill located adjacent to the Goulds Pumps manufacturing plant. Seneca River flows approximately 1The Goulds Pumps Engineered Products Division site is located in an suburban portion of Seneca County. The main site feature includes an inactive landfill located adjacent to the Goulds Pumps manufacturing plant. Seneca River flows approximately 1The Goulds Pumps Engineered Products Division site is located in an suburban portion of Seneca County. The main site feature includes an inactive landfill located adjacent to the Goulds Pumps manufacturing plant. Seneca River flows approximately 1000 feet south of the site. The surrounding parcels are used for a combination of residential and commercial purposes. This landfill was used exclusively by Gould Pumps for disposal of all of their wastes from 1904 to 1980. The wastes disposed he000 feet south of the site. The surrounding parcels are used for a combination of residential and commercial purposes. This landfill was used exclusively by Gould Pumps for disposal of all of their wastes from 1904 to 1980. The wastes disposed he000 feet south of the site. The surrounding parcels are used for a combination of residential and commercial purposes. This landfill was used exclusively by Gould Pumps for disposal of all of their wastes from 1904 to 1980. The wastes disposed here included acetylene generator and scrubber sludge, waste solvents, chromic acid, foundry sand resins, coolant, oil, mercury spill kits, capacitors, emission control dust and other types of industrial waste. A preliminary site investigation was core included acetylene generator and scrubber sludge, waste solvents, chromic acid, foundry sand resins, coolant, oil, mercury spill kits, capacitors, emission control dust and other types of industrial waste. A preliminary site investigation was core included acetylene generator and scrubber sludge, waste solvents, chromic acid, foundry sand resins, coolant, oil, mercury spill kits, capacitors, emission control dust and other types of industrial waste. A preliminary site investigation was completed in December 1990 and a Remedial Investigation (RI) was completed in 1994. Analytical results from sampling revealed elevated levels of volatile and semi-volatile organic compounds (VOCs & SVOCs) and PCBs in both soils & sediments.mpleted in December 1990 and a Remedial Investigation (RI) was completed in 1994. Analytical results from sampling revealed elevated levels of volatile and semi-volatile organic compounds (VOCs & SVOCs) and PCBs in both soils & sediments.mpleted in December 1990 and a Remedial Investigation (RI) was completed in 1994. Analytical results

GOULDS PUMPS (Continued) **S100125092**

from sampling revealed elevated levels of volatile and semi-volatile organic compounds (VOCs & SVOCs) and PCBs in both soils & sediments.Groundwater was contaminated with manganese, magnesium and antimony at levels exceeding Part 703 groundwater standards. Surface water and sediment samples revealed elevated metals. Sediment samples also revealed elevated levels of SVOCs and PCBs.Groundwater was contaminated with manganese, magnesium and antimony at levels exceeding Part 703 groundwater standards. Surface water and sediment samples revealed elevated metals. Sediment samples also revealed elevated levels of SVOCs and PCBs.Groundwater was contaminated with manganese, magnesium and antimony at levels exceeding Part 703 groundwater standards. Surface water and sediment samples revealed elevated metals. Sediment samples also revealed elevated levels of SVOCs and PCBs.A Record of Decision (ROD) was issued by NYSDEC in February 1995. Construction of a landfill cap and leachate collection system was completed in December 1997. Post-closure long-term groundwater monitoring, operation and maintenance (O&M) of tA Record of Decision (ROD) was issued by NYSDEC in February 1995. Construction of a landfill cap and leachate collection system was completed in December 1997. Post-closure long-term groundwater monitoring, operation and maintenance (O&M) of tA Record of Decision (ROD) was issued by NYSDEC in February 1995. Construction of a landfill cap and leachate collection system was completed in December 1997. Post-closure long-term groundwater monitoring, operation and maintenance (O&M) of the landfill cap is underway.he landfill cap is underway.he landfill cap is underway.

Site Code: 58801
Control Name: Deed Restriction
HW Code: 850002
Control Code: A
Control Type: INST
Dt record added: 07/14/04
Dt rec updated: 07/18/06
Updated By: BXPUTZIG
Env Problem: The primary contaminants of concern at the site include organic and inorganic compounds, and PCBs. Implementation of the Record of Decision (ROD) has ensured the proper closure of this site. No significant contaminant migration has occurred and theThe primary contaminants of concern at the site include organic and inorganic compounds, and PCBs. Implementation of the Record of Decision (ROD) has ensured the proper closure of this site. No significant contaminant migration has occurred and theThe primary contaminants of concern at the site include organic and inorganic compounds, and PCBs. Implementation of the Record of Decision (ROD) has ensured the proper closure of this site. No significant contaminant migration has occurred and thesite does not pose a significant threat to the environment.site does not pose a significant threat to the environment.site does not pose a significant threat to the environment.
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GOULDS PUMPS (Continued) **S100125092**

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GOULDS PUMPS (Continued) **S100125092**

NY Hist Spills:

Region of Spill:	8
Spill Number:	9970461
Investigator:	CH
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	11/04/1999 11:26
Reported to Dept Date/Time:	11/04/99 11:26
SWIS:	45
Spiller Name:	GOULDS PUMPS
Spiller Contact:	MIKE BOYEA
Spiller Phone:	(315) 568-7825
Spiller Contact:	ROB MOLLOY
Spiller Phone:	(315) 568-7436
Spiller Address:	240 FALL STREET
Spiller City,St,Zip:	SENECA FALLS, NY 13148-
Spill Cause:	Unknown
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	11/04/99
Date Spill Entered In Computer Data File:	11:29
Update Date:	11/05/99
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True
Material:	UNKNOWN PETROLEUM
Class Type:	UNKNOWN PETROLEUM

GOULDS PUMPS (Continued) **S100125092**

Times Material Entry In File: 16414
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: Not reported
Remark: DURING SITE ASSESSMENT WORK AND PRELIMINARY WORK FOR SOME NEW CONSTRUCTION, SOME CONTAMINATION WAS NOTED IMMEDIATELY UNDER THE CONCRETE FLOOR AT THE FACILITY. THE MATERIAL IS UNKNOWN AT THIS TIME, BUT APPEARS TO BE AN OILY SUBSTANCE. ANALYTICAL SAMPLES WERE TAKEN, AND THE RESULTS WILL BE FORWARDED TO NYSDEC.

Region of Spill: 8
Spill Number: 9804540
Investigator: JM
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 07/10/1998 00:15
Reported to Dept Date/Time: 07/10/98 11:30
SWIS: 45
Spiller Name: GOULDS PUMPS
Spiller Contact: MIKE BOYEA
Spiller Phone: (315) 568-7825
Spiller Address: 240 FALL STREET
Spiller City,St,Zip: SENECA FALLS, NY 13148-
Spill Cause: Equipment Failure
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 01
Spill Notifier: Responsible Party
PBS Number: Not reported
Cleanup Ceased: 06/04/01
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 06/04/01
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 07/10/98
Date Spill Entered In Computer Data File: Not reported
Update Date: 06/04/01
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum

GOULDS PUMPS (Continued) **S100125092**

Quantity Spilled: 20
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: HYDRAULIC OIL
Class Type: HYDRAULIC OIL
Times Material Entry In File: 1846
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: Not reported
Remark: A hydraulic line on a trash compactor in the foundry area blew, spilling hydraulic oil to the pavement around the compactor. Speedy dri and absorbents were used to contain and do the cleanup. No drains were impacted.

Region of Spill: 8
Spill Number: 9613868
Investigator: JM
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 02/25/1997 14:40
Reported to Dept Date/Time: 02/25/97 15:10
SWIS: 45
Spiller Name: GOULDS PUMPS
Spiller Contact: JENNIFER WADHAMS
Spiller Phone: (315) 568-7436
Spiller Address: 240 FALL STREET
Spiller City,St,Zip: SENECA FALLS, NY 13148-
Spill Cause: Human Error
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 01
Spill Notifier: Responsible Party
PBS Number: Not reported
Cleanup Ceased: 02/26/97
Cleanup Meets Std: True
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: 02/25/97
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 02/26/97
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 02/26/97
Date Spill Entered In Computer Data File: Not reported
Update Date: 07/28/99
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported

GOULDS PUMPS (Continued) **S100125092**

Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	10
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True
Material:	LUBE OIL
Class Type:	LUBE OIL
Times Material Entry In File:	295
CAS Number:	Not reported
Last Date:	19940728
Material:	LUBRICATING OIL
Class Type:	LUBRICATING OIL
Times Material Entry In File:	292
CAS Number:	Not reported
Last Date:	Not reported
DEC Remarks:	02/25/97 PADS PLACED AT OUTFALL 1 WHICH DISCHARGES TO SENECA RIVER. A BOOM IS MAINTAINED THERE PERMANENTLY. REPORT TO BE FAXED TO DEPT.
Remark:	WHILE TRANSFERRING A MACHINE FROM ONE BLDG TO ANOTHER, MACHINE TIPPED AND OIL IN MACHINE SPILLED. SAME OIL GOT INTO A CATCH BASIN ACTION WAS TAKEN TO CLEAN UP OIL. CATCH BASIN HANDLES STORM WATER.

E23
West
1/4-1/2
1525 ft.

Relative:
Equal

Actual:
455 ft.

I T T GOULDS PUMPS
240 FALL ST
SENECA FALLS, NY 13148

Site 3 of 3 in cluster E

CERCLIS **1000278882**
RCRA-SQG **13148GLDSP24**
FINDS
TRIS
RCRA-TSDF
CORRACTS
NY MANIFEST

CERCLIS:

Site ID:	0201437
Federal Facility:	Not a Federal Facility
NPL Status:	Not on the NPL
Non NPL Status:	Other Cleanup Activity: State-Lead Cleanup

CERCLIS Site Alias Name(s):

Alias Name:	GOULDS PUMPS INC- ENGINE
Alias Address:	Not reported SENECA, NY
Site Description:	SIP START NEEDED.

CERCLIS Assessment History:

Action:	DISCOVERY
Date Started:	Not reported
Date Completed:	06/01/1981
Priority Level:	Not reported
Action:	HAZARD RANKING SYSTEM PACKAGE
Date Started:	Not reported
Date Completed:	05/01/1983
Priority Level:	Not reported
Action:	PRELIMINARY ASSESSMENT

I T T GOULDS PUMPS (Continued) **1000278882**

Date Started: Not reported
Date Completed: 05/01/1983
Priority Level: Low

Action: SITE INSPECTION
Date Started: 05/01/1983
Date Completed: 05/01/1983
Priority Level: Deferred to RCRA (Subtitle C)

Action: SITE INSPECTION
Date Started: 02/01/1985
Date Completed: 02/28/1985
Priority Level: Deferred to RCRA (Subtitle C)

RCRAInfo Corrective Action Summary:

Event: Certification Of Remedy Completion Or Construction Completion
Event Date: 12/30/1997

Event: Stabilization Measures Evaluation,This facility is not amenable to stabilization activity at the present time for reasons other than 1) it appears to be technically infeasible or inappropriate (NF) or 2) there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.
Event Date: 09/25/1996

Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.
Event Date: 09/18/1996

Event: CMI Workplan Approved
Event Date: 06/30/1996

Event: CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action referred to another non-RCRA Federal Authority.
Event Date: 06/15/1995

Event: RFA Determination Of Need For An RFI, RFI is Necessary;
Event Date: 05/17/1995

Event: RFA Completed
Event Date: 04/18/1995

Event: RFI Approved
Event Date: 02/28/1995

Event: Date For Remedy Selection (CM Imposed)
Event Date: 02/28/1995

Event: CMS Approved
Event Date: 02/28/1995

Event: RFI Imposition
Event Date: 03/30/1993

I T T GOULDS PUMPS (Continued) **1000278882**

Event: RFI Workplan Approved
Event Date: 03/30/1993

RCRAInfo:
Owner: GOULDS PUMPS INC.ENGINEERED PRODUCTS DIV
(315) 568-2811
EPA ID: NYD002225100

Contact: MARVIN LAY
(315) 568-2811

Classification: TSDF
TSDF Activities: Not reported

BIENNIAL REPORTS:
Last Biennial Reporting Year: 2005

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	540.00	D002	10.00
D009	470.00	F003	7850.00
F005	7850.00		

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 09/20/2000
Actual Date Achieved Compliance: 11/01/2000

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/02/2000
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 09/14/1990
Actual Date Achieved Compliance: 01/08/1991

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/28/1990
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
Date Violation Determined: 08/10/1987
Actual Date Achieved Compliance: 02/24/1988

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 08/10/1987
Penalty Type: Not reported

There are 3 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	20001101
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19910108
Financial Record Review	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS	19880224

FINDS:
Other Pertinent Environmental Activity Identified at Site

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge

I T T GOULDS PUMPS (Continued) **1000278882**

Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

I T T GOULDS PUMPS (Continued) **1000278882**

CORRACTS:

EPA ID: NYD002225100
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 02/28/1995
Action: CA200 - RFI Approved
NAICS Code(s): 333911
Pump and Pumping Equipment Manufacturing

EPA ID: NYD002225100
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 02/28/1995
Action: CA400 - Date For Remedy Selection (CM Imposed)
NAICS Code(s): 333911
Pump and Pumping Equipment Manufacturing

EPA ID: NYD002225100
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 02/28/1995
Action: CA350 - CMS Approved
NAICS Code(s): 333911
Pump and Pumping Equipment Manufacturing

EPA ID: NYD002225100
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 03/30/1993
Action: CA100 - RFI Imposition
NAICS Code(s): 333911
Pump and Pumping Equipment Manufacturing

EPA ID: NYD002225100
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 03/30/1993
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 333911
Pump and Pumping Equipment Manufacturing

EPA ID: NYD002225100
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 04/18/1995
Action: CA050 - RFA Completed
NAICS Code(s): 333911
Pump and Pumping Equipment Manufacturing

EPA ID: NYD002225100
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 05/17/1995
Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary
NAICS Code(s): 333911

I T T GOULDS PUMPS (Continued) **1000278882**

Pump and Pumping Equipment Manufacturing

EPA ID: NYD002225100
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 06/15/1995
Action: CA210T - CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action referred to another non-RCRA Federal Authority
NAICS Code(s): 333911
Pump and Pumping Equipment Manufacturing

EPA ID: NYD002225100
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 06/30/1996
Action: CA500 - CMI Workplan Approved
NAICS Code(s): 333911
Pump and Pumping Equipment Manufacturing

EPA ID: NYD002225100
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 09/18/1996
Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
NAICS Code(s): 333911
Pump and Pumping Equipment Manufacturing

EPA ID: NYD002225100
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 09/25/1996
Action: CA225NR - Stabilization Measures Evaluation, This facility is, not amenable to stabilization activity at the, present time for reasons other than (1) it appears to be technically, infeasible or inappropriate (NF) or (2) there is a lack of technical, information (IN). Reasons for this conclusion may be the status of, closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other, administrative considerations
NAICS Code(s): 333911
Pump and Pumping Equipment Manufacturing

EPA ID: NYD002225100
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 12/30/1997
Action: CA550 - Certification Of Remedy Completion Or Construction Completion
NAICS Code(s): 333911
Pump and Pumping Equipment Manufacturing

NY MANIFEST:
Document ID: NYG3125511
Manifest Status: Not reported
Trans1 State ID: NYD049253719
Trans2 State ID: Not reported
Generator Ship Date: 09/20/2001

I T T GOULDS PUMPS (Continued) **1000278882**

Trans1 Recv Date:	09/20/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/20/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD002225100
Trans1 EPA ID:	NYD049253719
Trans2 EPA ID:	Not reported
TSDF ID:	V51914TN
Waste Code:	F003 - UNKNOWN
Quantity:	01400
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	01
Facility Type:	Both Generator and TSD
EPA ID:	NYD002225100
Facility Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Facility Address:	240 FALL ST
Facility City:	SENECA FALLS
Facility Zip 4:	1573
Country:	Not reported
County:	SENECA
Mailing Name:	GOULDS PUMPS INC
Mailing Contact:	Not reported
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	Not reported
Mailing Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Mailing Contact:	LAY MARVIN MGR PLANT ENGI
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	315-568-2811

Document ID:	NYG3134664
Manifest Status:	Not reported
Trans1 State ID:	NYD049253719
Trans2 State ID:	Not reported
Generator Ship Date:	09/20/2001
Trans1 Recv Date:	09/20/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/20/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD002225100
Trans1 EPA ID:	NYD049253719
Trans2 EPA ID:	Not reported

I T T GOULDS PUMPS (Continued) **1000278882**

TSDF ID:	Not reported
Waste Code:	D009 - MERCURY 0.2 MG/L TCLP
Quantity:	00480
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	01
Facility Type:	Both Generator and TSD
EPA ID:	NYD002225100
Facility Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Facility Address:	240 FALL ST
Facility City:	SENECA FALLS
Facility Zip 4:	1573
Country:	Not reported
County:	SENECA
Mailing Name:	GOULDS PUMPS INC
Mailing Contact:	Not reported
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	Not reported
Mailing Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Mailing Contact:	LAY MARVIN MGR PLANT ENGI
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	315-568-2811
Document ID:	NYG3018528
Manifest Status:	Not reported
Trans1 State ID:	NYD049253719
Trans2 State ID:	Not reported
Generator Ship Date:	07/27/2001
Trans1 Recv Date:	07/27/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/30/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD002225100
Trans1 EPA ID:	NYD049253719
Trans2 EPA ID:	Not reported
TSDF ID:	22969NNY
Waste Code:	F003 - UNKNOWN
Quantity:	02066
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00

I T T GOULDS PUMPS (Continued) **1000278882**

Year:	01
Facility Type:	Both Generator and TSD
EPA ID:	NYD002225100
Facility Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Facility Address:	240 FALL ST
Facility City:	SENECA FALLS
Facility Zip 4:	1573
Country:	Not reported
County:	SENECA
Mailing Name:	GOULDS PUMPS INC
Mailing Contact:	Not reported
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	Not reported
Mailing Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Mailing Contact:	LAY MARVIN MGR PLANT ENGI
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	315-568-2811
Document ID:	NYG3017115
Manifest Status:	Not reported
Trans1 State ID:	NYD049253719
Trans2 State ID:	Not reported
Generator Ship Date:	08/14/2001
Trans1 Recv Date:	08/14/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/14/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD002225100
Trans1 EPA ID:	NYD049253719
Trans2 EPA ID:	Not reported
TSDF ID:	8604B6NY
Waste Code:	F003 - UNKNOWN
Quantity:	00380
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	F003 - UNKNOWN
Quantity:	00440
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	01

I T T GOULDS PUMPS (Continued) **1000278882**

Facility Type:	Both Generator and TSD
EPA ID:	NYD002225100
Facility Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Facility Address:	240 FALL ST
Facility City:	SENECA FALLS
Facility Zip 4:	1573
Country:	Not reported
County:	SENECA
Mailing Name:	GOULDS PUMPS INC
Mailing Contact:	Not reported
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	Not reported
Mailing Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Mailing Contact:	LAY MARVIN MGR PLANT ENGI
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	315-568-2811

Document ID:	NYG3032685
Manifest Status:	Not reported
Trans1 State ID:	NYD049253719
Trans2 State ID:	Not reported
Generator Ship Date:	06/19/2001
Trans1 Recv Date:	06/19/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/19/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD002225100
Trans1 EPA ID:	NYD049253719
Trans2 EPA ID:	Not reported
TSDF ID:	V51914TN
Waste Code:	F003 - UNKNOWN
Quantity:	00030
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Year:	01
Facility Type:	Both Generator and TSD
EPA ID:	NYD002225100
Facility Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Facility Address:	240 FALL ST
Facility City:	SENECA FALLS
Facility Zip 4:	1573
Country:	Not reported
County:	SENECA

I T T GOULDS PUMPS (Continued) **1000278882**

Mailing Name:	GOULDS PUMPS INC
Mailing Contact:	Not reported
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	Not reported
Mailing Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Mailing Contact:	LAY MARVIN MGR PLANT ENGI
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	315-568-2811
Document ID:	NYG3253374
Manifest Status:	Not reported
Trans1 State ID:	NYD049253719
Trans2 State ID:	Not reported
Generator Ship Date:	04/01/2002
Trans1 Recv Date:	04/01/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	04/01/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD002225100
Trans1 EPA ID:	NYD049253719
Trans2 EPA ID:	Not reported
TSDF ID:	AC12162NY
Waste Code:	F003 - UNKNOWN
Quantity:	00400
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	F003 - UNKNOWN
Quantity:	00420
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	02
Facility Type:	Both Generator and TSD
EPA ID:	NYD002225100
Facility Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Facility Address:	240 FALL ST
Facility City:	SENECA FALLS
Facility Zip 4:	1573
Country:	Not reported
County:	SENECA
Mailing Name:	GOULDS PUMPS INC

I T T GOULDS PUMPS (Continued) **1000278882**

Mailing Contact:	Not reported
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	Not reported
Mailing Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Mailing Contact:	LAY MARVIN MGR PLANT ENGI
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	315-568-2811
Document ID:	NYG3717657
Manifest Status:	Not reported
Trans1 State ID:	AC12161NY
Trans2 State ID:	Not reported
Generator Ship Date:	10/12/2004
Trans1 Recv Date:	10/12/2004
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/13/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD002225100
Trans1 EPA ID:	NYD049253719
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049253
Waste Code:	F003 - UNKNOWN
Quantity:	00460
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	F003 - UNKNOWN
Quantity:	00880
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	04
Facility Type:	Both Generator and TSD
EPA ID:	NYD002225100
Facility Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Facility Address:	240 FALL ST
Facility City:	SENECA FALLS
Facility Zip 4:	1573
Country:	Not reported
County:	SENECA
Mailing Name:	GOULDS PUMPS INC
Mailing Contact:	Not reported

I T T GOULDS PUMPS (Continued) **1000278882**

Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	Not reported
Mailing Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Mailing Contact:	LAY MARVIN MGR PLANT ENGI
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	315-568-2811

Document ID:	NYA6061563
Manifest Status:	Completed copy
Trans1 State ID:	NYLK-5272
Trans2 State ID:	Not reported
Generator Ship Date:	880324
Trans1 Recv Date:	880324
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880324
Part A Recv Date:	880329
Part B Recv Date:	880329
Generator EPA ID:	NYD002225100
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980753784
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01000
Units:	P - Pounds
Number of Containers:	016
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	88
Facility Type:	Both Generator and TSD
EPA ID:	NYD002225100
Facility Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Facility Address:	240 FALL ST
Facility City:	SENECA FALLS
Facility Zip 4:	1573
Country:	Not reported
County:	SENECA
Mailing Name:	GOULDS PUMPS INC
Mailing Contact:	Not reported
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	Not reported
Mailing Name:	GOULDS PUMPS INC ENGINEERED PROD DIV

I T T GOULDS PUMPS (Continued) **1000278882**

Mailing Contact:	LAY MARVIN MGR PLANT ENGI
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	315-568-2811
Document ID:	NYA6837028
Manifest Status:	Completed copy
Trans1 State ID:	NYACP1455
Trans2 State ID:	Not reported
Generator Ship Date:	880421
Trans1 Recv Date:	880421
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880421
Part A Recv Date:	880426
Part B Recv Date:	880427
Generator EPA ID:	NYD002225100
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980753784
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01085
Units:	P - Pounds
Number of Containers:	014
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	88
Facility Type:	Both Generator and TSD
EPA ID:	NYD002225100
Facility Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Facility Address:	240 FALL ST
Facility City:	SENECA FALLS
Facility Zip 4:	1573
Country:	Not reported
County:	SENECA
Mailing Name:	GOULDS PUMPS INC
Mailing Contact:	Not reported
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	Not reported
Mailing Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Mailing Contact:	LAY MARVIN MGR PLANT ENGI
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	315-568-2811

I T T GOULDS PUMPS (Continued) **1000278882**

Document ID:	NYA5856975
Manifest Status:	Completed copy
Trans1 State ID:	74082Z
Trans2 State ID:	24662Z
Generator Ship Date:	880321
Trans1 Recv Date:	880321
Trans2 Recv Date:	880322
TSD Site Recv Date:	880322
Part A Recv Date:	880329
Part B Recv Date:	880329
Generator EPA ID:	NYD002225100
Trans1 EPA ID:	NYD095579488
Trans2 EPA ID:	NYD095579488
TSDF ID:	NYD049253719
Waste Code:	F003 - UNKNOWN
Quantity:	01274
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00390
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	88
Facility Type:	Both Generator and TSD
EPA ID:	NYD002225100
Facility Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Facility Address:	240 FALL ST
Facility City:	SENECA FALLS
Facility Zip 4:	1573
Country:	Not reported
County:	SENECA
Mailing Name:	GOULDS PUMPS INC
Mailing Contact:	Not reported
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	Not reported
Mailing Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Mailing Contact:	LAY MARVIN MGR PLANT ENGI
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	315-568-2811

Document ID:	NYA6061869

I T T GOULDS PUMPS (Continued) **1000278882**

Manifest Status:	Completed copy
Trans1 State ID:	NYCR1455
Trans2 State ID:	Not reported
Generator Ship Date:	880428
Trans1 Recv Date:	880428
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880428
Part A Recv Date:	880504
Part B Recv Date:	880503
Generator EPA ID:	NYD002225100
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980753784
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01295
Units:	P - Pounds
Number of Containers:	021
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	88
Facility Type:	Both Generator and TSD
EPA ID:	NYD002225100
Facility Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Facility Address:	240 FALL ST
Facility City:	SENECA FALLS
Facility Zip 4:	1573
Country:	Not reported
County:	SENECA
Mailing Name:	GOULDS PUMPS INC
Mailing Contact:	Not reported
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	Not reported
Mailing Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Mailing Contact:	LAY MARVIN MGR PLANT ENGI
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	315-568-2811

Document ID:	NYA6060591
Manifest Status:	Completed copy
Trans1 State ID:	NYCP1455
Trans2 State ID:	Not reported
Generator Ship Date:	880121
Trans1 Recv Date:	880121
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880121
Part A Recv Date:	880125

I T T GOULDS PUMPS (Continued) **1000278882**

Part B Recv Date:	880126
Generator EPA ID:	NYD002225100
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980753784
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01345
Units:	P - Pounds
Number of Containers:	019
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	88
Facility Type:	Both Generator and TSD
EPA ID:	NYD002225100
Facility Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Facility Address:	240 FALL ST
Facility City:	SENECA FALLS
Facility Zip 4:	1573
Country:	Not reported
County:	SENECA
Mailing Name:	GOULDS PUMPS INC
Mailing Contact:	Not reported
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	Not reported
Mailing Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Mailing Contact:	LAY MARVIN MGR PLANT ENGI
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	315-568-2811

Document ID:	NYA6061383
Manifest Status:	Completed copy
Trans1 State ID:	NYCP-1455
Trans2 State ID:	Not reported
Generator Ship Date:	880310
Trans1 Recv Date:	880310
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880310
Part A Recv Date:	880317
Part B Recv Date:	880314
Generator EPA ID:	NYD002225100
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980753784
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00920
Units:	P - Pounds

I T T GOULDS PUMPS (Continued) **1000278882**

Number of Containers:	015
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	88
Facility Type:	Both Generator and TSD
EPA ID:	NYD002225100
Facility Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Facility Address:	240 FALL ST
Facility City:	SENECA FALLS
Facility Zip 4:	1573
Country:	Not reported
County:	SENECA
Mailing Name:	GOULDS PUMPS INC
Mailing Contact:	Not reported
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	Not reported
Mailing Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Mailing Contact:	LAY MARVIN MGR PLANT ENGI
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	315-568-2811
Document ID:	NYA5856732
Manifest Status:	Completed copy
Trans1 State ID:	K35142
Trans2 State ID:	K35142
Generator Ship Date:	880212
Trans1 Recv Date:	880212
Trans2 Recv Date:	880216
TSD Site Recv Date:	880216
Part A Recv Date:	880218
Part B Recv Date:	880223
Generator EPA ID:	NYD002225100
Trans1 EPA ID:	NYD095579488
Trans2 EPA ID:	NYD095579488
TSDF ID:	NYD049253719
Waste Code:	F003 - UNKNOWN
Quantity:	00855
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00391
Units:	P - Pounds
Number of Containers:	002

I T T GOULDS PUMPS (Continued) **1000278882**

Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	170
Year:	88
Facility Type:	Both Generator and TSD
EPA ID:	NYD002225100
Facility Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Facility Address:	240 FALL ST
Facility City:	SENECA FALLS
Facility Zip 4:	1573
Country:	Not reported
County:	SENECA
Mailing Name:	GOULDS PUMPS INC
Mailing Contact:	Not reported
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	Not reported
Mailing Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Mailing Contact:	LAY MARVIN MGR PLANT ENGI
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	315-568-2811
Document ID:	NYA3634064
Manifest Status:	Completed copy
Trans1 State ID:	NY20735-G
Trans2 State ID:	Not reported
Generator Ship Date:	870226
Trans1 Recv Date:	870226
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	870226
Part A Recv Date:	870303
Part B Recv Date:	870303
Generator EPA ID:	NYD002225100
Trans1 EPA ID:	ILD000805911
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980753784
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00740
Units:	P - Pounds
Number of Containers:	011
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	87
Facility Type:	Both Generator and TSD
EPA ID:	NYD002225100
Facility Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Facility Address:	240 FALL ST

I T T GOULDS PUMPS (Continued) **1000278882**

Facility City:	SENECA FALLS
Facility Zip 4:	1573
Country:	Not reported
County:	SENECA
Mailing Name:	GOULDS PUMPS INC
Mailing Contact:	Not reported
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	Not reported
Mailing Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Mailing Contact:	LAY MARVIN MGR PLANT ENGI
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	315-568-2811

Document ID:	NYA3596005
Manifest Status:	Completed copy
Trans1 State ID:	NY84066GV
Trans2 State ID:	Not reported
Generator Ship Date:	871015
Trans1 Recv Date:	871015
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	871015
Part A Recv Date:	871020
Part B Recv Date:	871020
Generator EPA ID:	NYD002225100
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980753784
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01095
Units:	P - Pounds
Number of Containers:	015
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	87
Facility Type:	Both Generator and TSD
EPA ID:	NYD002225100
Facility Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Facility Address:	240 FALL ST
Facility City:	SENECA FALLS
Facility Zip 4:	1573
Country:	Not reported
County:	SENECA
Mailing Name:	GOULDS PUMPS INC
Mailing Contact:	Not reported
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS

I T T GOULDS PUMPS (Continued) **1000278882**

Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	Not reported
Mailing Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Mailing Contact:	LAY MARVIN MGR PLANT ENGI
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	315-568-2811
Document ID:	NYA3633614
Manifest Status:	Completed copy
Trans1 State ID:	NY20735GP
Trans2 State ID:	Not reported
Generator Ship Date:	870121
Trans1 Recv Date:	870121
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	870121
Part A Recv Date:	870130
Part B Recv Date:	870130
Generator EPA ID:	NYD002225100
Trans1 EPA ID:	ILD000805911
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980753784
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01415
Units:	P - Pounds
Number of Containers:	019
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	87
Facility Type:	Both Generator and TSD
EPA ID:	NYD002225100
Facility Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Facility Address:	240 FALL ST
Facility City:	SENECA FALLS
Facility Zip 4:	1573
Country:	Not reported
County:	SENECA
Mailing Name:	GOULDS PUMPS INC
Mailing Contact:	Not reported
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	Not reported
Mailing Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Mailing Contact:	LAY MARVIN MGR PLANT ENGI
Mailing Address:	240 FALL ST

I T T GOULDS PUMPS (Continued) **1000278882**

Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	315-568-2811
Document ID:	NYA5819751
Manifest Status:	Completed copy
Trans1 State ID:	NYCP-1455
Trans2 State ID:	Not reported
Generator Ship Date:	871217
Trans1 Recv Date:	871217
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	871217
Part A Recv Date:	880102
Part B Recv Date:	871223
Generator EPA ID:	NYD002225100
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980753784
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01390
Units:	P - Pounds
Number of Containers:	020
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	87
Facility Type:	Both Generator and TSD
EPA ID:	NYD002225100
Facility Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Facility Address:	240 FALL ST
Facility City:	SENECA FALLS
Facility Zip 4:	1573
Country:	Not reported
County:	SENECA
Mailing Name:	GOULDS PUMPS INC
Mailing Contact:	Not reported
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	Not reported
Mailing Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Mailing Contact:	LAY MARVIN MGR PLANT ENGI
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	315-568-2811
Document ID:	NYA6009624

I T T GOULDS PUMPS (Continued) **1000278882**

Manifest Status:	Completed copy
Trans1 State ID:	NY20735GP
Trans2 State ID:	Not reported
Generator Ship Date:	870305
Trans1 Recv Date:	870305
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	870305
Part A Recv Date:	870311
Part B Recv Date:	870312
Generator EPA ID:	NYD002225100
Trans1 EPA ID:	ILD000805911
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980753784
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01825
Units:	P - Pounds
Number of Containers:	025
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	87
Facility Type:	Both Generator and TSD
EPA ID:	NYD002225100
Facility Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Facility Address:	240 FALL ST
Facility City:	SENECA FALLS
Facility Zip 4:	1573
Country:	Not reported
County:	SENECA
Mailing Name:	GOULDS PUMPS INC
Mailing Contact:	Not reported
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	Not reported
Mailing Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Mailing Contact:	LAY MARVIN MGR PLANT ENGI
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	315-568-2811

Document ID:	NYA6833373
Manifest Status:	Completed copy
Trans1 State ID:	NYCP-1455
Trans2 State ID:	Not reported
Generator Ship Date:	871222
Trans1 Recv Date:	871222
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	871222
Part A Recv Date:	880102

I T T GOULDS PUMPS (Continued) **1000278882**

Part B Recv Date:	871229
Generator EPA ID:	NYD002225100
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980753784
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01460
Units:	P - Pounds
Number of Containers:	020
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	87
Facility Type:	Both Generator and TSD
EPA ID:	NYD002225100
Facility Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Facility Address:	240 FALL ST
Facility City:	SENECA FALLS
Facility Zip 4:	1573
Country:	Not reported
County:	SENECA
Mailing Name:	GOULDS PUMPS INC
Mailing Contact:	Not reported
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	Not reported
Mailing Name:	GOULDS PUMPS INC ENGINEERED PROD DIV
Mailing Contact:	LAY MARVIN MGR PLANT ENGI
Mailing Address:	240 FALL ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1573
Mailing Country:	USA
Mailing Phone:	315-568-2811

Click this hyperlink while viewing on your computer to access
1155 additional NY_MANIFEST: record(s) in the EDR Site Report.

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24 **FORMER KNITTING MILLS** **LTANKS** **S101508442**
ESE **1 CANAL STREET** **HIST LTANKS** **N/A**
1/4-1/2 **SENECA FALLS, NY**
2181 ft.

Relative:
Lower

Actual:
430 ft.

LTANKS:

Site ID:	72282
Spill Date:	04/20/95
Facility Addr2:	Not reported
Facility ID:	9500850
Program Number:	9500850
SWIS:	5032
Region of Spill:	8
Investigator:	JRMARCHI
Referred To:	Not reported

FORMER KNITTING MILLS (Continued) **S101508442**

Reported to Dept:	04/20/95
CID:	27
Spill Cause:	Tank Test Failure
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	04/14/00
Cleanup Meets Standard:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	True
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	04/14/00
Remediation Phase:	0
Date Entered In Computer:	04/25/95
Spill Record Last Update:	02/06/04
Spille Namer:	Not reported
Spiller Company:	FORMER KNITTING MILLS
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	8
Program Number:	9500850
DER Facility ID:	68251
Site ID:	72282
Operable Unit ID:	1014977
Operable Unit:	01
Material ID:	369463
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Groundwater
Oxygenate:	False
Site ID:	72282
Spill Tank Test:	18331
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/01/04
Test Method:	Unknown
DEC Memo:	Start DECRemark - 9500850 Prior to Sept, 2004 data translation this spill Lead DEC Field was "JM" 04/21/95: MILLER TELCON W/RICH JONES OF ENSA 315-697-3733. CONSULTANT FOR OWNER IS MR ED DEAL 315-568-9441 OF THE GPM CORPORATION. DURING TANK REMOVALOF OLD DIESEL TANK SIGNIFICANT CONTAMINATION WAS FOUND. TANK WAS

FORMER KNITTING MILLS (Continued) **S101508442**

DETERMINED TO BE A 2,000 GALLON TANK, ORIGINALLY REPORTED AS 550 GALLONS. THE TANK WAS HEAVILY PITTED BUT NO HOLES WERE FOUND. SAND BEDDING OF THE TANK IS HEAVILY CONTAMINATED. BEDDINGREMOVED & SOME NATIVE SOIL TOO UNTIL GROUNDWATER ENCOUNTERED. 'BEADS' OF PRODUCT OBSERVED BY MR JONES WEEPING STEADILY INTO THE EXCAVATION. ENSA WILL FOLLOW-UP WITH TANK CLOSURE REPORT & RECOMMENDED REMEDIAL ACTION. 04/21/95: JM ON SITE W/ENSA ENVIRONMENTAL; EXCAVATION COVERED W/PLASTIC. SOIL SAMPLES TO BE TAKEN OF BOTTOM & SIDEWALLS & TESTED PER STARS. ALSO MONITORING WELL TO BE INSTALLED. RESULTS TO BE SENT TO NYSDEC. 04/14/00 TANK CLOSURE REPORT RECEIVED FROM ENSA ENVIRONMENTAL. NOFURTHER ACTION LETTER SENT. END DECRemark - 9500850

Remarks: Start CallerRemark - 9500850 ENSA WAS REMOVING AN OLD UNDERGROUND DIESEL TANK AT A KNITING MILL, WHEN CONTAMINATION WAS DISCOVERED. OVER THE YEARS THE TANK DID LEAK. END CallerRemark - 9500850

HIST LTANKS:

Region of Spill:	8
Spill Number:	9500850
Investigator:	JM
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Spill Date:	04/20/1995
Spill Time:	17:55
Reported to Department Date:	04/20/95
Reported to Department Time:	17:55
SWIS:	45
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	FORMER KNITTING MILLS
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Facility Contact:	Not reported
Facility Phone:	Not reported
Facility Extention:	Not reported
Spill Cause:	Tank Test Failure
Resource Affectd:	Groundwater
Water Affected:	Not reported
Spill Source:	Other Commercial/Industrial
Spill Notifier:	Other
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Date:	/ /
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	True
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /

FORMER KNITTING MILLS (Continued) **S101508442**

Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 04/25/95
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 02/09/00
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: 0
Test Method: Not reported
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: DIESEL
Class Type: DIESEL
Times Material Entry In File: 10625
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: 04/21/95: MILLER TELCON W/RICH JONES OF ENSA 315-697-3733. CONSULTANT FOR OWNER IS MR ED DEAL 315-568-9441 OF THE GPM CORPORATION. DURING TANK REMOVAL OF OLD DIESEL TANK SIGNIFICANT CONTAMINATION WAS FOUND. TANK WAS DETERMINED TO BE A 2,000 GALLON TANK, ORIGINALLY REPORTED AS 550 GALLONS. THE TANK WAS HEAVILY PITTED BUT NO HOLES WERE FOUND. SAND BEDDING OF THE TANK IS HEAVILY CONTAMINATED. BEDDING REMOVED SOME NATIVE SOIL TOO UNTIL GROUNDWATER ENCOUNTERED. BEADS OF PRODUCT OBSERVED BY MR JONES WEEPING STEADILY INTO THE EXCAVATION. ENSA WILL FOLLOW-UP WITH TANK CLOSURE REPORT RECOMMENDED REMEDIAL ACTION. 04/21/95: JM ON SITE W/ENSA ENVIRONMENTAL; EXCAVATION COVERED W/PLASTIC. SOIL SAMPLES TO BE TAKEN OF BOTTOM SIDEWALLS TESTED PER STARS. ALSO MONITORING WELL TO BE INSTALLED. RESULTS TO BE SENT TO NYSDEC.
Spill Cause: ENSA WAS REMOVING AN OLD UNDERGROUND DIESEL TANK AT A KNITING MILL, WHEN CONTAMINATION WAS DISCOVERED. OVER THE YEARS THE TANK DID LEAK.

25
ENE
1/2-1
4354 ft.

Relative:
Higher

Actual:
466 ft.

GTE PROD CORP
JOHNSTON ST
SENECA FALLS, NY 13148

RCRA-SQG **1000286373**
FINDS **NYD002246015**
RCRA-TSDF
RAATS
CORRACTS
CERC-NFRAP
NY MANIFEST
US ENG CONTROLS

RCRAInfo Corrective Action Summary:
Event: CA770NG
Event Date: 11/09/2005

Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.
Event Date: 09/30/2005

GTE PROD CORP (Continued) **1000286373**

Event: RFI Approved
Event Date: 06/20/2005

Event: RFI Workplan Approved
Event Date: 05/13/2005

Event: RFI Workplan Approved
Event Date: 03/31/2005

Event: RFI Imposition
Event Date: 02/14/2005

Event: CA770NG
Event Date: 12/02/2004

Event: Stabilization Measures Implemented, Primary measure is exposure control by barrier and/or institutional control (e.g., capping, fencing, deed restrictions).
Event Date: 12/02/2004

Event: CA770GW
Event Date: 09/30/2003

Event: Igration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.
Event Date: 09/30/2003

Event: RFI Workplan Approved
Event Date: 06/17/2003

Event: RFI Approved
Event Date: 06/05/2003

Event: Stabilization Construction Completed
Event Date: 11/13/2000

Event: RFI Workplan Approved
Event Date: 10/13/2000

Event: Stabilization Measures Implemented, Primary measure is source removal and/or treatment (e.g., soil or waste excavation, in-situ soil treatment, off-site treatment).
Event Date: 06/09/2000

Event: RFI Workplan Approved
Event Date: 03/30/1998

Event: RFI Approved
Event Date: 06/15/1995

GTE PROD CORP (Continued) **1000286373**

Event: RFI Imposition
Event Date: 05/23/1995

Event: RFA Determination Of Need For An RFI, RFI is Necessary;
Event Date: 05/22/1995

Event: RFA Completed
Event Date: 03/17/1995

Event: RFA Determination Of Need For An RFI, RFI is Not Necessary;
Event Date: 03/17/1995

Event: Stabilization Measures Evaluation,This facility is not amenable to stabilization activity at the present time for reasons other than 1) it appears to be technically infeasible or inappropriate (NF) or 2) there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.
Event Date: 09/15/1994

Event: RFA Determination Of Need For An RFI, RFI is Not Necessary;
Event Date: 08/12/1994

Event: RFI Workplan Approved
Event Date: 12/29/1993

Event: RFI Workplan Approved
Event Date: 09/25/1992

Event: RFA Completed
Event Date: 09/25/1992

Event: RFA Completed
Event Date: 09/25/1992

Event: CA Prioritization, Facility or area was assigned a high corrective action priority.
Event Date: 06/20/1991

RCRAInfo:
Owner: GTE PRODUCTS CORP
(203) 357-2000
EPA ID: NYD002246015

Contact: ALAN COVELL
(315) 568-5881

Classification: TSDF
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: TSD-GOUNDWATER MONITORING REQUIREMENTS
Date Violation Determined: 11/22/1991
Actual Date Achieved Compliance: 01/06/1992

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 11/22/1991
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 10/18/1991

GTE PROD CORP (Continued) **1000286373**

Actual Date Achieved Compliance: 11/24/1992

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/18/1991
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 09/21/1989
Actual Date Achieved Compliance: 12/12/1989

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/18/1989
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined: 07/19/1988
Actual Date Achieved Compliance: 12/18/1988

Regulation Violated: Not reported
Area of Violation: TSD-LAND BAN REQUIREMENTS
Date Violation Determined: 07/19/1988
Actual Date Achieved Compliance: 12/18/1988

Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 08/13/1986
Actual Date Achieved Compliance: 10/08/1986

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/16/1986
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 08/13/1986
Actual Date Achieved Compliance: 10/08/1986

Regulation Violated: Not reported
Area of Violation: TSD-GOUNDWATER MONITORING REQUIREMENTS
Date Violation Determined: 08/13/1986
Actual Date Achieved Compliance: 08/10/1987

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 10/01/1986
Penalty Type: Final Monetary Penalty

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 03/31/1986
Penalty Type: Final Monetary Penalty

Regulation Violated: Not reported
Area of Violation: TSD-MANIFEST REQUIREMENTS
Date Violation Determined: 07/29/1986
Actual Date Achieved Compliance: 07/29/1986

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 07/03/1986
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-GOUNDWATER MONITORING REQUIREMENTS
Date Violation Determined: 07/29/1986

GTE PROD CORP (Continued) **1000286373**

Actual Date Achieved Compliance: 07/29/1986

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 07/03/1986
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-GOUNDWATER MONITORING REQUIREMENTS
Date Violation Determined: 05/22/1986
Actual Date Achieved Compliance: 08/10/1987

Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 03/31/1986
Actual Date Achieved Compliance: 09/29/1986

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 07/03/1986
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-GOUNDWATER MONITORING REQUIREMENTS
Date Violation Determined: 02/05/1986
Actual Date Achieved Compliance: 08/10/1987

Regulation Violated: Not reported
Area of Violation: TSD-GOUNDWATER MONITORING REQUIREMENTS
Date Violation Determined: 02/05/1986
Actual Date Achieved Compliance: 08/10/1987

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 10/01/1986
Penalty Type: Final Monetary Penalty

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 03/31/1986
Penalty Type: Final Monetary Penalty

Regulation Violated: Not reported
Area of Violation: TSD-GOUNDWATER MONITORING REQUIREMENTS
Date Violation Determined: 01/07/1986
Actual Date Achieved Compliance: 08/10/1987

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 10/01/1986
Penalty Type: Final Monetary Penalty

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 03/31/1986
Penalty Type: Final Monetary Penalty

Regulation Violated: Not reported
Area of Violation: TSD-GOUNDWATER MONITORING REQUIREMENTS
Date Violation Determined: 01/07/1986
Actual Date Achieved Compliance: 08/10/1987

Regulation Violated: Not reported
Area of Violation: TSD-GOUNDWATER MONITORING REQUIREMENTS
Date Violation Determined: 08/30/1985
Actual Date Achieved Compliance: 11/15/1985

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 08/30/1985
Penalty Type: Not reported

GTE PROD CORP (Continued) **1000286373**

Regulation Violated: Not reported
Area of Violation: TSD-MANIFEST REQUIREMENTS
Date Violation Determined: 06/06/1985
Actual Date Achieved Compliance: 07/06/1985

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 10/01/1986
Penalty Type: Proposed Monetary Penalty

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 11/15/1985
Penalty Type: Proposed Monetary Penalty

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 02/15/1985
Penalty Type: Proposed Monetary Penalty

Regulation Violated: Not reported
Area of Violation: TSD-GOUNDWATER MONITORING REQUIREMENTS
Date Violation Determined: 04/15/1985
Actual Date Achieved Compliance: 11/15/1985

Regulation Violated: Not reported
Area of Violation: TSD-GOUNDWATER MONITORING REQUIREMENTS
Date Violation Determined: 03/11/1985
Actual Date Achieved Compliance: 08/10/1987

Regulation Violated: Not reported
Area of Violation: TSD-GOUNDWATER MONITORING REQUIREMENTS
Date Violation Determined: 02/26/1985
Actual Date Achieved Compliance: 09/03/1985

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 07/15/1985
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 02/26/1985
Actual Date Achieved Compliance: 09/03/1985

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 07/15/1985
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 02/26/1985
Actual Date Achieved Compliance: 09/03/1985

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 07/15/1985
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 09/26/1984
Actual Date Achieved Compliance: 09/26/1984

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/26/1984
Penalty Type: Not reported

Regulation Violated: Not reported

GTE PROD CORP (Continued) **1000286373**

Area of Violation: TSD-GOUNDWATER MONITORING REQUIREMENTS
Date Violation Determined: 11/17/1983
Actual Date Achieved Compliance: 08/10/1987

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 10/01/1986
Penalty Type: Final Monetary Penalty

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 03/31/1986
Penalty Type: Final Monetary Penalty

Regulation Violated: Not reported
Area of Violation: TSD-GOUNDWATER MONITORING REQUIREMENTS
Date Violation Determined: 11/17/1983
Actual Date Achieved Compliance: 08/10/1987

Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 11/17/1983
Actual Date Achieved Compliance: 09/26/1984

Regulation Violated: Not reported
Area of Violation: TSD-GOUNDWATER MONITORING REQUIREMENTS
Date Violation Determined: 11/17/1983
Actual Date Achieved Compliance: 08/10/1987

Regulation Violated: Not reported
Area of Violation: TSD-GOUNDWATER MONITORING REQUIREMENTS
Date Violation Determined: 10/17/1983
Actual Date Achieved Compliance: 08/10/1987

There are 29 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance GW Monitoring Evaluation	TSD-GOUNDWATER MONITORING REQUIREMENTS	19920106
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19921124
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19891212
Compliance Evaluation Inspection	GENERATOR-LAND BAN REQUIREMENTS	19881218
	TSD-LAND BAN REQUIREMENTS	19881218
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19861008
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19861008
	TSD-GOUNDWATER MONITORING REQUIREMENTS	19870810
Non-Financial Record Review	TSD-GOUNDWATER MONITORING REQUIREMENTS	19860729
	TSD-MANIFEST REQUIREMENTS	19860729
Non-Financial Record Review	TSD-GOUNDWATER MONITORING REQUIREMENTS	19870810
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19860929
Compliance GW Monitoring Evaluation	TSD-GOUNDWATER MONITORING REQUIREMENTS	19870810
Non-Financial Record Review	TSD-GOUNDWATER MONITORING REQUIREMENTS	19870810
Compliance GW Monitoring Evaluation	TSD-GOUNDWATER MONITORING REQUIREMENTS	19870810
Compliance Evaluation Inspection	TSD-GOUNDWATER MONITORING REQUIREMENTS	19870810
Non-Financial Record Review	TSD-GOUNDWATER MONITORING REQUIREMENTS	19851115
Non-Financial Record Review	TSD-MANIFEST REQUIREMENTS	19850706
Non-Financial Record Review	TSD-GOUNDWATER MONITORING REQUIREMENTS	19851115
Sampling Inspection	TSD-GOUNDWATER MONITORING REQUIREMENTS	19870810
Compliance GW Monitoring Evaluation	TSD-GOUNDWATER MONITORING REQUIREMENTS	19850903
	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19850903
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19850903
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19840926
Sampling Inspection	TSD-GOUNDWATER MONITORING REQUIREMENTS	19870810

GTE PROD CORP (Continued) **1000286373**

Compliance GW Monitoring Evaluation	TSD-GOUNDWATER MONITORING REQUIREMENTS	19870810
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19840926
	TSD-GOUNDWATER MONITORING REQUIREMENTS	19870810
Compliance GW Monitoring Evaluation	TSD-GOUNDWATER MONITORING REQUIREMENTS	19870810

FINDS:
Other Pertinent Environmental Activity Identified at Site

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and its Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

CORRACTS:

EPA ID: NYD002246015
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 02/14/2005
Action: CA100 - RFI Imposition
NAICS Code(s): 56291
Remediation Services

EPA ID: NYD002246015
EPA Region: 02
Area Name: INDUSTRIAL WASTEWATER TREATMENT PLANT
Actual Date: 03/17/1995
Action: CA070NO - RFA Determination Of Need For An RFI, RFI is Not Necessary
NAICS Code(s): 56291
Remediation Services

GTE PROD CORP (Continued) **1000286373**

EPA ID: NYD002246015
EPA Region: 02
Area Name: INDUSTRIAL WASTEWATER TREATMENT PLANT
Actual Date: 03/17/1995
Action: CA050 - RFA Completed
NAICS Code(s): 56291
Remediation Services

EPA ID: NYD002246015
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 03/30/1998
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 56291
Remediation Services

EPA ID: NYD002246015
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 03/31/2005
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 56291
Remediation Services

EPA ID: NYD002246015
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 05/13/2005
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 56291
Remediation Services

EPA ID: NYD002246015
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 05/22/1995
Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary
NAICS Code(s): 56291
Remediation Services

EPA ID: NYD002246015
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 05/23/1995
Action: CA100 - RFI Imposition
NAICS Code(s): 56291
Remediation Services

EPA ID: NYD002246015
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 06/05/2003
Action: CA200 - RFI Approved
NAICS Code(s): 56291
Remediation Services

EPA ID: NYD002246015

GTE PROD CORP (Continued) **1000286373**

EPA Region: 02
Area Name: VAN CLEEF APTS.
Actual Date: 06/09/2000
Action: CA600SR - Stabilization Measures Implemented, Primary measure is source removal and/or treatment
NAICS Code(s): 56291
Remediation Services

EPA ID: NYD002246015
EPA Region: 02
Area Name: MONITORING WELL I AREA
Actual Date: 06/15/1995
Action: CA200 - RFI Approved
NAICS Code(s): 56291
Remediation Services

EPA ID: NYD002246015
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 06/17/2003
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 56291
Remediation Services

EPA ID: NYD002246015
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 06/20/1991
Action: CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority
NAICS Code(s): 56291
Remediation Services

EPA ID: NYD002246015
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 06/20/2005
Action: CA200 - RFI Approved
NAICS Code(s): 56291
Remediation Services

EPA ID: NYD002246015
EPA Region: 02
Area Name: HAZARDOUS WASTE STORAGE FACILITY
Actual Date: 08/12/1994
Action: CA070NO - RFA Determination Of Need For An RFI, RFI is Not Necessary
NAICS Code(s): 56291
Remediation Services

EPA ID: NYD002246015
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 09/15/1994
Action: CA225NR - Stabilization Measures Evaluation, This facility is, not amenable to stabilization activity at the, present time for reasons other than (1) it appears to be technically, infeasible or inappropriate (NF) or (2) there is a lack of technical, information

GTE PROD CORP (Continued) **1000286373**

(IN). Reasons for this conclusion may be the status of, closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other, administrative considerations
NAICS Code(s): 56291
Remediation Services

EPA ID: NYD002246015
EPA Region: 02
Area Name: ROOF DRAIN REROUTING&STORM SEWER INSTALL
Actual Date: 09/25/1992
Action: CA050 - RFA Completed
NAICS Code(s): 56291
Remediation Services

EPA ID: NYD002246015
EPA Region: 02
Area Name: INDUSTRIAL WASTEWATER TREATMENT PLANT
Actual Date: 09/25/1992
Action: CA050 - RFA Completed
NAICS Code(s): 56291
Remediation Services

EPA ID: NYD002246015
EPA Region: 02
Area Name: MONITORING WELL I AREA
Actual Date: 09/25/1992
Action: CA050 - RFA Completed
NAICS Code(s): 56291
Remediation Services

EPA ID: NYD002246015
EPA Region: 02
Area Name: MONITORING WELL I AREA
Actual Date: 09/25/1992
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 56291
Remediation Services

EPA ID: NYD002246015
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 09/25/1992
Action: CA050 - RFA Completed
NAICS Code(s): 56291
Remediation Services

EPA ID: NYD002246015
EPA Region: 02
Area Name: HAZARDOUS WASTE STORAGE FACILITY
Actual Date: 09/25/1992
Action: CA050 - RFA Completed
NAICS Code(s): 56291
Remediation Services

EPA ID: NYD002246015
EPA Region: 02

GTE PROD CORP (Continued) **1000286373**

Area Name: UST # 10 IN BUILDING 13
Actual Date: 09/25/1992
Action: CA050 - RFA Completed
NAICS Code(s): 56291
Remediation Services

EPA ID: NYD002246015
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 09/30/2003
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 56291
Remediation Services

EPA ID: NYD002246015
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 09/30/2003
Action: CA770GW
NAICS Code(s): 56291
Remediation Services

EPA ID: NYD002246015
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 09/30/2005
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 56291
Remediation Services

EPA ID: NYD002246015
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 10/13/2000
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 56291
Remediation Services

EPA ID: NYD002246015
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 11/09/2005
Action: CA770NG
NAICS Code(s): 56291
Remediation Services

EPA ID: NYD002246015
EPA Region: 02
Area Name: VAN CLEEF APTS.
Actual Date: 11/13/2000
Action: CA650 - Stabilization Construction Completed
NAICS Code(s): 56291
Remediation Services

EPA ID: NYD002246015

GTE PROD CORP (Continued) **1000286373**

EPA Region: 02
Area Name: SITEWIDE
Actual Date: 12/02/2004
Action: CA770NG
NAICS Code(s): 56291
Remediation Services

EPA ID: NYD002246015
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 12/02/2004
Action: CA600EC - Stabilization Measures Implemented, Primary measure is exposure control by barrier and/or institutional control
NAICS Code(s): 56291
Remediation Services

EPA ID: NYD002246015
EPA Region: 02
Area Name: MONITORING WELL I AREA
Actual Date: 12/29/1993
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 56291
Remediation Services

CERC-NFRAP:
Site ID: 0201466
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP

CERCLIS-NFRAP Site Alias Name(s):
Alias Name: GTE PROD CORP
Alias Address: Not reported
SENECA, NY
Site Description: Not reported

CERCLIS-NFRAP Assessment History:
Action: DISCOVERY
Date Started: Not reported
Date Completed: 10/11/1987
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 12/30/1987
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 12/30/1987
Priority Level: NFRAP (No Futher Remedial Action Planned

NY MANIFEST:
Document ID: NYA5810787
Manifest Status: Completed copy
Trans1 State ID: 37444GP

GTE PROD CORP (Continued) **1000286373**

Trans2 State ID:	Not reported
Generator Ship Date:	880315
Trans1 Recv Date:	880315
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880315
Part A Recv Date:	880318
Part B Recv Date:	880329
Generator EPA ID:	NYD002246015
Trans1 EPA ID:	NYD013277454
Trans2 EPA ID:	Not reported
TSDF ID:	NYD013277454
Waste Code:	F001 - UNKNOWN
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	88
Facility Type:	Both Generator and TSD
EPA ID:	NYD002246015
Facility Name:	GTE OPERATIONS SUPPORT INCORPORATED
Facility Address:	50 JOHNSTON ST
Facility City:	SENECA FALLS
Facility Zip 4:	1235
Country:	Not reported
County:	SENECA
Mailing Name:	PHILIPS ECG INC
Mailing Contact:	UNKNOWN
Mailing Address:	50 JOHNSTON ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1235
Mailing Country:	USA
Mailing Phone:	315-568-6881

GTE PROD CORP (Continued) **1000286373**

Mailing Name:	GTE OPERATIONS SUPPORT INCORPORATED
Mailing Contact:	JEAN AGOSTINELLI
Mailing Address:	ONE VERIZON WAY
Mailing City:	BASKING RIDGE
Mailing State:	NJ
Mailing Zip:	07920
Mailing Zip4:	1097
Mailing Country:	USA
Mailing Phone:	980-630-2637
Document ID:	NYA6207624
Manifest Status:	Completed copy
Trans1 State ID:	39477B(NY
Trans2 State ID:	Not reported
Generator Ship Date:	871130
Trans1 Recv Date:	871130
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	871130
Part A Recv Date:	871204
Part B Recv Date:	871204
Generator EPA ID:	NYD002246015
Trans1 EPA ID:	NYD051809952
Trans2 EPA ID:	Not reported
TSDF ID:	NYD080336241
Waste Code:	D007 - CHROMIUM 5.0 MG/L TCLP
Quantity:	00020
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	87
Facility Type:	Both Generator and TSD
EPA ID:	NYD002246015
Facility Name:	GTE OPERATIONS SUPPORT INCORPORATED
Facility Address:	50 JOHNSTON ST
Facility City:	SENECA FALLS
Facility Zip 4:	1235
Country:	Not reported
County:	SENECA
Mailing Name:	PHILIPS ECG INC
Mailing Contact:	UNKNOWN
Mailing Address:	50 JOHNSTON ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1235
Mailing Country:	USA
Mailing Phone:	315-568-6881
Mailing Name:	GTE OPERATIONS SUPPORT INCORPORATED
Mailing Contact:	JEAN AGOSTINELLI
Mailing Address:	ONE VERIZON WAY
Mailing City:	BASKING RIDGE
Mailing State:	NJ
Mailing Zip:	07920
Mailing Zip4:	1097
Mailing Country:	USA

GTE PROD CORP (Continued) **1000286373**

Mailing Phone:	980-630-2637
Document ID:	NYA6207723
Manifest Status:	Completed copy
Trans1 State ID:	U66060(NY
Trans2 State ID:	Not reported
Generator Ship Date:	871202
Trans1 Recv Date:	871202
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	871203
Part A Recv Date:	871209
Part B Recv Date:	871209
Generator EPA ID:	NYD002246015
Trans1 EPA ID:	NYD051809952
Trans2 EPA ID:	Not reported
TSDF ID:	NYD080336241
Waste Code:	D007 - CHROMIUM 5.0 MG/L TCLP
Quantity:	00020
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	87
Facility Type:	Both Generator and TSD
EPA ID:	NYD002246015
Facility Name:	GTE OPERATIONS SUPPORT INCORPORATED
Facility Address:	50 JOHNSTON ST
Facility City:	SENECA FALLS
Facility Zip 4:	1235
Country:	Not reported
County:	SENECA
Mailing Name:	PHILIPS ECG INC
Mailing Contact:	UNKNOWN
Mailing Address:	50 JOHNSTON ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1235
Mailing Country:	USA
Mailing Phone:	315-568-6881
Mailing Name:	GTE OPERATIONS SUPPORT INCORPORATED
Mailing Contact:	JEAN AGOSTINELLI
Mailing Address:	ONE VERIZON WAY
Mailing City:	BASKING RIDGE
Mailing State:	NJ
Mailing Zip:	07920
Mailing Zip4:	1097
Mailing Country:	USA
Mailing Phone:	980-630-2637
Document ID:	NYA6207408
Manifest Status:	Completed copy
Trans1 State ID:	46784A(NY
Trans2 State ID:	Not reported
Generator Ship Date:	871123
Trans1 Recv Date:	871123

GTE PROD CORP (Continued) **1000286373**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	871124
Part A Recv Date:	871127
Part B Recv Date:	871201
Generator EPA ID:	NYD002246015
Trans1 EPA ID:	NYD051809952
Trans2 EPA ID:	Not reported
TSDF ID:	NYD080336241
Waste Code:	D007 - CHROMIUM 5.0 MG/L TCLP
Quantity:	00020
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	87
Facility Type:	Both Generator and TSD
EPA ID:	NYD002246015
Facility Name:	GTE OPERATIONS SUPPORT INCORPORATED
Facility Address:	50 JOHNSTON ST
Facility City:	SENECA FALLS
Facility Zip 4:	1235
Country:	Not reported
County:	SENECA
Mailing Name:	PHILIPS ECG INC
Mailing Contact:	UNKNOWN
Mailing Address:	50 JOHNSTON ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1235
Mailing Country:	USA
Mailing Phone:	315-568-6881
Mailing Name:	GTE OPERATIONS SUPPORT INCORPORATED
Mailing Contact:	JEAN AGOSTINELLI
Mailing Address:	ONE VERIZON WAY
Mailing City:	BASKING RIDGE
Mailing State:	NJ
Mailing Zip:	07920
Mailing Zip4:	1097
Mailing Country:	USA
Mailing Phone:	980-630-2637

Document ID:	NYA6207606
Manifest Status:	Completed copy
Trans1 State ID:	7803TZ(NY
Trans2 State ID:	Not reported
Generator Ship Date:	871130
Trans1 Recv Date:	871130
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	871130
Part A Recv Date:	871203
Part B Recv Date:	871209
Generator EPA ID:	NYD002246015
Trans1 EPA ID:	NYD051809952
Trans2 EPA ID:	Not reported
TSDF ID:	NYD080336241

GTE PROD CORP (Continued) **1000286373**

Waste Code:	D007 - CHROMIUM 5.0 MG/L TCLP
Quantity:	00020
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	87
Facility Type:	Both Generator and TSD
EPA ID:	NYD002246015
Facility Name:	GTE OPERATIONS SUPPORT INCORPORATED
Facility Address:	50 JOHNSTON ST
Facility City:	SENECA FALLS
Facility Zip 4:	1235
Country:	Not reported
County:	SENECA
Mailing Name:	PHILIPS ECG INC
Mailing Contact:	UNKNOWN
Mailing Address:	50 JOHNSTON ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1235
Mailing Country:	USA
Mailing Phone:	315-568-6881
Mailing Name:	GTE OPERATIONS SUPPORT INCORPORATED
Mailing Contact:	JEAN AGOSTINELLI
Mailing Address:	ONE VERIZON WAY
Mailing City:	BASKING RIDGE
Mailing State:	NJ
Mailing Zip:	07920
Mailing Zip4:	1097
Mailing Country:	USA
Mailing Phone:	980-630-2637

Document ID:	NYA6207642
Manifest Status:	Completed copy
Trans1 State ID:	U51582(NY
Trans2 State ID:	Not reported
Generator Ship Date:	871201
Trans1 Recv Date:	871201
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	871201
Part A Recv Date:	871204
Part B Recv Date:	871209
Generator EPA ID:	NYD002246015
Trans1 EPA ID:	NYD097644801
Trans2 EPA ID:	Not reported
TSDF ID:	NYD080336241
Waste Code:	D007 - CHROMIUM 5.0 MG/L TCLP
Quantity:	00020
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	87

GTE PROD CORP (Continued) **1000286373**

Facility Type:	Both Generator and TSD
EPA ID:	NYD002246015
Facility Name:	GTE OPERATIONS SUPPORT INCORPORATED
Facility Address:	50 JOHNSTON ST
Facility City:	SENECA FALLS
Facility Zip 4:	1235
Country:	Not reported
County:	SENECA
Mailing Name:	PHILIPS ECG INC
Mailing Contact:	UNKNOWN
Mailing Address:	50 JOHNSTON ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1235
Mailing Country:	USA
Mailing Phone:	315-568-6881
Mailing Name:	GTE OPERATIONS SUPPORT INCORPORATED
Mailing Contact:	JEAN AGOSTINELLI
Mailing Address:	ONE VERIZON WAY
Mailing City:	BASKING RIDGE
Mailing State:	NJ
Mailing Zip:	07920
Mailing Zip4:	1097
Mailing Country:	USA
Mailing Phone:	980-630-2637

Document ID:	NYA6206247
Manifest Status:	Completed copy
Trans1 State ID:	B66437(MA
Trans2 State ID:	Not reported
Generator Ship Date:	871203
Trans1 Recv Date:	871203
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	871203
Part A Recv Date:	871209
Part B Recv Date:	871209
Generator EPA ID:	NYD002246015
Trans1 EPA ID:	NYD051809952
Trans2 EPA ID:	Not reported
TSDF ID:	NYD080336241
Waste Code:	D007 - CHROMIUM 5.0 MG/L TCLP
Quantity:	00020
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	87
Facility Type:	Both Generator and TSD
EPA ID:	NYD002246015
Facility Name:	GTE OPERATIONS SUPPORT INCORPORATED
Facility Address:	50 JOHNSTON ST
Facility City:	SENECA FALLS
Facility Zip 4:	1235
Country:	Not reported
County:	SENECA

GTE PROD CORP (Continued) **1000286373**

Mailing Name:	PHILIPS ECG INC
Mailing Contact:	UNKNOWN
Mailing Address:	50 JOHNSTON ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1235
Mailing Country:	USA
Mailing Phone:	315-568-6881
Mailing Name:	GTE OPERATIONS SUPPORT INCORPORATED
Mailing Contact:	JEAN AGOSTINELLI
Mailing Address:	ONE VERIZON WAY
Mailing City:	BASKING RIDGE
Mailing State:	NJ
Mailing Zip:	07920
Mailing Zip4:	1097
Mailing Country:	USA
Mailing Phone:	980-630-2637

Document ID:	NYA6206445
Manifest Status:	Completed copy
Trans1 State ID:	VL7655(NY
Trans2 State ID:	Not reported
Generator Ship Date:	871210
Trans1 Recv Date:	871210
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	871210
Part A Recv Date:	871215
Part B Recv Date:	871216
Generator EPA ID:	NYD002246015
Trans1 EPA ID:	NYD051809952
Trans2 EPA ID:	Not reported
TSDF ID:	NYD080336241
Waste Code:	D007 - CHROMIUM 5.0 MG/L TCLP
Quantity:	00020
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	87
Facility Type:	Both Generator and TSD
EPA ID:	NYD002246015
Facility Name:	GTE OPERATIONS SUPPORT INCORPORATED
Facility Address:	50 JOHNSTON ST
Facility City:	SENECA FALLS
Facility Zip 4:	1235
Country:	Not reported
County:	SENECA
Mailing Name:	PHILIPS ECG INC
Mailing Contact:	UNKNOWN
Mailing Address:	50 JOHNSTON ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1235
Mailing Country:	USA

GTE PROD CORP (Continued) **1000286373**

Mailing Phone:	315-568-6881
Mailing Name:	GTE OPERATIONS SUPPORT INCORPORATED
Mailing Contact:	JEAN AGOSTINELLI
Mailing Address:	ONE VERIZON WAY
Mailing City:	BASKING RIDGE
Mailing State:	NJ
Mailing Zip:	07920
Mailing Zip4:	1097
Mailing Country:	USA
Mailing Phone:	980-630-2637
Document ID:	NYA6206346
Manifest Status:	Completed copy
Trans1 State ID:	U51756(NY
Trans2 State ID:	Not reported
Generator Ship Date:	871204
Trans1 Recv Date:	871204
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	871204
Part A Recv Date:	871217
Part B Recv Date:	871215
Generator EPA ID:	NYD002246015
Trans1 EPA ID:	NYD097644801
Trans2 EPA ID:	Not reported
TSDF ID:	NYD080336241
Waste Code:	D007 - CHROMIUM 5.0 MG/L TCLP
Quantity:	00020
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	87
Facility Type:	Both Generator and TSD
EPA ID:	NYD002246015
Facility Name:	GTE OPERATIONS SUPPORT INCORPORATED
Facility Address:	50 JOHNSTON ST
Facility City:	SENECA FALLS
Facility Zip 4:	1235
Country:	Not reported
County:	SENECA
Mailing Name:	PHILIPS ECG INC
Mailing Contact:	UNKNOWN
Mailing Address:	50 JOHNSTON ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1235
Mailing Country:	USA
Mailing Phone:	315-568-6881
Mailing Name:	GTE OPERATIONS SUPPORT INCORPORATED
Mailing Contact:	JEAN AGOSTINELLI
Mailing Address:	ONE VERIZON WAY
Mailing City:	BASKING RIDGE
Mailing State:	NJ
Mailing Zip:	07920
Mailing Zip4:	1097

GTE PROD CORP (Continued) **1000286373**

Mailing Country:	USA
Mailing Phone:	980-630-2637
Document ID:	NYA6207903
Manifest Status:	Completed copy
Trans1 State ID:	U67577(NY
Trans2 State ID:	Not reported
Generator Ship Date:	871130
Trans1 Recv Date:	871130
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	871201
Part A Recv Date:	871203
Part B Recv Date:	871209
Generator EPA ID:	NYD002246015
Trans1 EPA ID:	NYD051809952
Trans2 EPA ID:	Not reported
TSDF ID:	NYD080336241
Waste Code:	D007 - CHROMIUM 5.0 MG/L TCLP
Quantity:	00020
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	87
Facility Type:	Both Generator and TSD
EPA ID:	NYD002246015
Facility Name:	GTE OPERATIONS SUPPORT INCORPORATED
Facility Address:	50 JOHNSTON ST
Facility City:	SENECA FALLS
Facility Zip 4:	1235
Country:	Not reported
County:	SENECA
Mailing Name:	PHILIPS ECG INC
Mailing Contact:	UNKNOWN
Mailing Address:	50 JOHNSTON ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1235
Mailing Country:	USA
Mailing Phone:	315-568-6881
Mailing Name:	GTE OPERATIONS SUPPORT INCORPORATED
Mailing Contact:	JEAN AGOSTINELLI
Mailing Address:	ONE VERIZON WAY
Mailing City:	BASKING RIDGE
Mailing State:	NJ
Mailing Zip:	07920
Mailing Zip4:	1097
Mailing Country:	USA
Mailing Phone:	980-630-2637
Document ID:	NYA6207417
Manifest Status:	Completed copy
Trans1 State ID:	U67501(NY
Trans2 State ID:	Not reported
Generator Ship Date:	871123

GTE PROD CORP (Continued) **1000286373**

Trans1 Recv Date:	871123
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	871124
Part A Recv Date:	871127
Part B Recv Date:	871201
Generator EPA ID:	NYD002246015
Trans1 EPA ID:	NYD051809952
Trans2 EPA ID:	Not reported
TSDF ID:	NYD080336241
Waste Code:	D007 - CHROMIUM 5.0 MG/L TCLP
Quantity:	00020
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	87
Facility Type:	Both Generator and TSD
EPA ID:	NYD002246015
Facility Name:	GTE OPERATIONS SUPPORT INCORPORATED
Facility Address:	50 JOHNSTON ST
Facility City:	SENECA FALLS
Facility Zip 4:	1235
Country:	Not reported
County:	SENECA
Mailing Name:	PHILIPS ECG INC
Mailing Contact:	UNKNOWN
Mailing Address:	50 JOHNSTON ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1235
Mailing Country:	USA
Mailing Phone:	315-568-6881
Mailing Name:	GTE OPERATIONS SUPPORT INCORPORATED
Mailing Contact:	JEAN AGOSTINELLI
Mailing Address:	ONE VERIZON WAY
Mailing City:	BASKING RIDGE
Mailing State:	NJ
Mailing Zip:	07920
Mailing Zip4:	1097
Mailing Country:	USA
Mailing Phone:	980-630-2637

Document ID:	NYA6207516
Manifest Status:	Completed copy
Trans1 State ID:	4676A(NY)
Trans2 State ID:	Not reported
Generator Ship Date:	871125
Trans1 Recv Date:	871125
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	871125
Part A Recv Date:	871203
Part B Recv Date:	871203
Generator EPA ID:	NYD002246015
Trans1 EPA ID:	NYD051809952
Trans2 EPA ID:	Not reported

GTE PROD CORP (Continued) **1000286373**

TSDF ID:	NYD080336241
Waste Code:	D007 - CHROMIUM 5.0 MG/L TCLP
Quantity:	00020
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	87
Facility Type:	Both Generator and TSD
EPA ID:	NYD002246015
Facility Name:	GTE OPERATIONS SUPPORT INCORPORATED
Facility Address:	50 JOHNSTON ST
Facility City:	SENECA FALLS
Facility Zip 4:	1235
Country:	Not reported
County:	SENECA
Mailing Name:	PHILIPS ECG INC
Mailing Contact:	UNKNOWN
Mailing Address:	50 JOHNSTON ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1235
Mailing Country:	USA
Mailing Phone:	315-568-6881
Mailing Name:	GTE OPERATIONS SUPPORT INCORPORATED
Mailing Contact:	JEAN AGOSTINELLI
Mailing Address:	ONE VERIZON WAY
Mailing City:	BASKING RIDGE
Mailing State:	NJ
Mailing Zip:	07920
Mailing Zip4:	1097
Mailing Country:	USA
Mailing Phone:	980-630-2637

Document ID:	NYA6206427
Manifest Status:	Completed copy
Trans1 State ID:	S62346(NY
Trans2 State ID:	Not reported
Generator Ship Date:	871210
Trans1 Recv Date:	871210
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	871210
Part A Recv Date:	871215
Part B Recv Date:	871216
Generator EPA ID:	NYD002246015
Trans1 EPA ID:	NYD051809952
Trans2 EPA ID:	Not reported
TSDF ID:	NYD080336241
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00024
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100

GTE PROD CORP (Continued) **1000286373**

Year:	87
Facility Type:	Both Generator and TSD
EPA ID:	NYD002246015
Facility Name:	GTE OPERATIONS SUPPORT INCORPORATED
Facility Address:	50 JOHNSTON ST
Facility City:	SENECA FALLS
Facility Zip 4:	1235
Country:	Not reported
County:	SENECA
Mailing Name:	PHILIPS ECG INC
Mailing Contact:	UNKNOWN
Mailing Address:	50 JOHNSTON ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1235
Mailing Country:	USA
Mailing Phone:	315-568-6881
Mailing Name:	GTE OPERATIONS SUPPORT INCORPORATED
Mailing Contact:	JEAN AGOSTINELLI
Mailing Address:	ONE VERIZON WAY
Mailing City:	BASKING RIDGE
Mailing State:	NJ
Mailing Zip:	07920
Mailing Zip4:	1097
Mailing Country:	USA
Mailing Phone:	980-630-2637
Document ID:	NYA6206355
Manifest Status:	Completed copy
Trans1 State ID:	U51582(NY
Trans2 State ID:	Not reported
Generator Ship Date:	871203
Trans1 Recv Date:	871203
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	871204
Part A Recv Date:	871209
Part B Recv Date:	871215
Generator EPA ID:	NYD002246015
Trans1 EPA ID:	NYD097644801
Trans2 EPA ID:	Not reported
TSDF ID:	NYD080336241
Waste Code:	D007 - CHROMIUM 5.0 MG/L TCLP
Quantity:	00020
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	87
Facility Type:	Both Generator and TSD
EPA ID:	NYD002246015
Facility Name:	GTE OPERATIONS SUPPORT INCORPORATED
Facility Address:	50 JOHNSTON ST
Facility City:	SENECA FALLS
Facility Zip 4:	1235
Country:	Not reported

GTE PROD CORP (Continued) **1000286373**

County:	SENECA
Mailing Name:	PHILIPS ECG INC
Mailing Contact:	UNKNOWN
Mailing Address:	50 JOHNSTON ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1235
Mailing Country:	USA
Mailing Phone:	315-568-6881
Mailing Name:	GTE OPERATIONS SUPPORT INCORPORATED
Mailing Contact:	JEAN AGOSTINELLI
Mailing Address:	ONE VERIZON WAY
Mailing City:	BASKING RIDGE
Mailing State:	NJ
Mailing Zip:	07920
Mailing Zip4:	1097
Mailing Country:	USA
Mailing Phone:	980-630-2637

Document ID:	NYA6207399
Manifest Status:	Completed copy
Trans1 State ID:	U67577(NY
Trans2 State ID:	Not reported
Generator Ship Date:	871123
Trans1 Recv Date:	871123
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	871124
Part A Recv Date:	871130
Part B Recv Date:	871201
Generator EPA ID:	NYD002246015
Trans1 EPA ID:	NYD051809952
Trans2 EPA ID:	Not reported
TSDF ID:	NYD080336241
Waste Code:	D007 - CHROMIUM 5.0 MG/L TCLP
Quantity:	00020
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	87
Facility Type:	Both Generator and TSD
EPA ID:	NYD002246015
Facility Name:	GTE OPERATIONS SUPPORT INCORPORATED
Facility Address:	50 JOHNSTON ST
Facility City:	SENECA FALLS
Facility Zip 4:	1235
Country:	Not reported
County:	SENECA
Mailing Name:	PHILIPS ECG INC
Mailing Contact:	UNKNOWN
Mailing Address:	50 JOHNSTON ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1235

GTE PROD CORP (Continued) **1000286373**

Mailing Country:	USA
Mailing Phone:	315-568-6881
Mailing Name:	GTE OPERATIONS SUPPORT INCORPORATED
Mailing Contact:	JEAN AGOSTINELLI
Mailing Address:	ONE VERIZON WAY
Mailing City:	BASKING RIDGE
Mailing State:	NJ
Mailing Zip:	07920
Mailing Zip4:	1097
Mailing Country:	USA
Mailing Phone:	980-630-2637
Document ID:	NYA6207543
Manifest Status:	Completed copy
Trans1 State ID:	K60789(NY
Trans2 State ID:	Not reported
Generator Ship Date:	871125
Trans1 Recv Date:	871125
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	871125
Part A Recv Date:	871203
Part B Recv Date:	871203
Generator EPA ID:	NYD002246015
Trans1 EPA ID:	NYD097644801
Trans2 EPA ID:	Not reported
TSDF ID:	NYD080336241
Waste Code:	D007 - CHROMIUM 5.0 MG/L TCLP
Quantity:	00020
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	87
Facility Type:	Both Generator and TSD
EPA ID:	NYD002246015
Facility Name:	GTE OPERATIONS SUPPORT INCORPORATED
Facility Address:	50 JOHNSTON ST
Facility City:	SENECA FALLS
Facility Zip 4:	1235
Country:	Not reported
County:	SENECA
Mailing Name:	PHILIPS ECG INC
Mailing Contact:	UNKNOWN
Mailing Address:	50 JOHNSTON ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1235
Mailing Country:	USA
Mailing Phone:	315-568-6881
Mailing Name:	GTE OPERATIONS SUPPORT INCORPORATED
Mailing Contact:	JEAN AGOSTINELLI
Mailing Address:	ONE VERIZON WAY
Mailing City:	BASKING RIDGE
Mailing State:	NJ
Mailing Zip:	07920

GTE PROD CORP (Continued) **1000286373**

Mailing Zip4:	1097
Mailing Country:	USA
Mailing Phone:	980-630-2637
Document ID:	NYA6207651
Manifest Status:	Completed copy
Trans1 State ID:	46784A(NY
Trans2 State ID:	Not reported
Generator Ship Date:	871201
Trans1 Recv Date:	871201
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	871201
Part A Recv Date:	871204
Part B Recv Date:	871209
Generator EPA ID:	NYD002246015
Trans1 EPA ID:	NYD051809952
Trans2 EPA ID:	Not reported
TSDF ID:	NYD080336241
Waste Code:	D007 - CHROMIUM 5.0 MG/L TCLP
Quantity:	00020
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	87
Facility Type:	Both Generator and TSD
EPA ID:	NYD002246015
Facility Name:	GTE OPERATIONS SUPPORT INCORPORATED
Facility Address:	50 JOHNSTON ST
Facility City:	SENECA FALLS
Facility Zip 4:	1235
Country:	Not reported
County:	SENECA
Mailing Name:	PHILIPS ECG INC
Mailing Contact:	UNKNOWN
Mailing Address:	50 JOHNSTON ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1235
Mailing Country:	USA
Mailing Phone:	315-568-6881
Mailing Name:	GTE OPERATIONS SUPPORT INCORPORATED
Mailing Contact:	JEAN AGOSTINELLI
Mailing Address:	ONE VERIZON WAY
Mailing City:	BASKING RIDGE
Mailing State:	NJ
Mailing Zip:	07920
Mailing Zip4:	1097
Mailing Country:	USA
Mailing Phone:	980-630-2637
Document ID:	NYA6207525
Manifest Status:	Completed copy
Trans1 State ID:	27302A(NY
Trans2 State ID:	Not reported

GTE PROD CORP (Continued) **1000286373**

Generator Ship Date:	871125
Trans1 Recv Date:	871125
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	871125
Part A Recv Date:	871203
Part B Recv Date:	871203
Generator EPA ID:	NYD002246015
Trans1 EPA ID:	NYD097644801
Trans2 EPA ID:	Not reported
TSDF ID:	NYD080336241
Waste Code:	D007 - CHROMIUM 5.0 MG/L TCLP
Quantity:	00020
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	87
Facility Type:	Both Generator and TSD
EPA ID:	NYD002246015
Facility Name:	GTE OPERATIONS SUPPORT INCORPORATED
Facility Address:	50 JOHNSTON ST
Facility City:	SENECA FALLS
Facility Zip 4:	1235
Country:	Not reported
County:	SENECA
Mailing Name:	PHILIPS ECG INC
Mailing Contact:	UNKNOWN
Mailing Address:	50 JOHNSTON ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1235
Mailing Country:	USA
Mailing Phone:	315-568-6881
Mailing Name:	GTE OPERATIONS SUPPORT INCORPORATED
Mailing Contact:	JEAN AGOSTINELLI
Mailing Address:	ONE VERIZON WAY
Mailing City:	BASKING RIDGE
Mailing State:	NJ
Mailing Zip:	07920
Mailing Zip4:	1097
Mailing Country:	USA
Mailing Phone:	980-630-2637
Document ID:	NYA6206337
Manifest Status:	Completed copy
Trans1 State ID:	D54006MAI
Trans2 State ID:	Not reported
Generator Ship Date:	871203
Trans1 Recv Date:	871203
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	871203
Part A Recv Date:	871209
Part B Recv Date:	871209
Generator EPA ID:	NYD002246015
Trans1 EPA ID:	NYD097644801

GTE PROD CORP (Continued) **1000286373**

Trans2 EPA ID:	Not reported
TSDF ID:	NYD080336241
Waste Code:	D007 - CHROMIUM 5.0 MG/L TCLP
Quantity:	00020
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	87
Facility Type:	Both Generator and TSD
EPA ID:	NYD002246015
Facility Name:	GTE OPERATIONS SUPPORT INCORPORATED
Facility Address:	50 JOHNSTON ST
Facility City:	SENECA FALLS
Facility Zip 4:	1235
Country:	Not reported
County:	SENECA
Mailing Name:	PHILIPS ECG INC
Mailing Contact:	UNKNOWN
Mailing Address:	50 JOHNSTON ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1235
Mailing Country:	USA
Mailing Phone:	315-568-6881
Mailing Name:	GTE OPERATIONS SUPPORT INCORPORATED
Mailing Contact:	JEAN AGOSTINELLI
Mailing Address:	ONE VERIZON WAY
Mailing City:	BASKING RIDGE
Mailing State:	NJ
Mailing Zip:	07920
Mailing Zip4:	1097
Mailing Country:	USA
Mailing Phone:	980-630-2637

Document ID:	NYA5456673
Manifest Status:	Completed copy
Trans1 State ID:	NY864242
Trans2 State ID:	Not reported
Generator Ship Date:	880405
Trans1 Recv Date:	880406
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880420
Part A Recv Date:	880411
Part B Recv Date:	880426
Generator EPA ID:	NYD002246015
Trans1 EPA ID:	ILD099202681
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.

GTE PROD CORP (Continued) **1000286373**

Specific Gravity:	100
Year:	88
Facility Type:	Both Generator and TSD
EPA ID:	NYD002246015
Facility Name:	GTE OPERATIONS SUPPORT INCORPORATED
Facility Address:	50 JOHNSTON ST
Facility City:	SENECA FALLS
Facility Zip 4:	1235
Country:	Not reported
County:	SENECA
Mailing Name:	PHILIPS ECG INC
Mailing Contact:	UNKNOWN
Mailing Address:	50 JOHNSTON ST
Mailing City:	SENECA FALLS
Mailing State:	NY
Mailing Zip:	13148
Mailing Zip4:	1235
Mailing Country:	USA
Mailing Phone:	315-568-6881
Mailing Name:	GTE OPERATIONS SUPPORT INCORPORATED
Mailing Contact:	JEAN AGOSTINELLI
Mailing Address:	ONE VERIZON WAY
Mailing City:	BASKING RIDGE
Mailing State:	NJ
Mailing Zip:	07920
Mailing Zip4:	1097
Mailing Country:	USA
Mailing Phone:	980-630-2637

Click this hyperlink while viewing on your computer to access
204 additional NY_MANIFEST: record(s) in the EDR Site Report.

US ENG CONTROLS:

EPA ID:	NYD002246015
Site ID:	Not reported
Name:	PHILIPS DISPLAY COMPONENTS FORMER
Address:	50 JOHNSTON ST SENECA FALLS, NY 13148
EPA Region:	02
County:	SENECA
Event Code:	CA770GW
Actual Date:	30-SEP-03

EPA ID:	NYD002246015
Site ID:	Not reported
Name:	PHILIPS DISPLAY COMPONENTS FORMER
Address:	50 JOHNSTON ST SENECA FALLS, NY 13148
EPA Region:	02
County:	SENECA
Event Code:	CA770NG
Actual Date:	09-NOV-05

US ENG CONTROLS:

Action ID:	Not reported
Action Name:	Not reported

GTE PROD CORP (Continued) **1000286373**

Action Completion date: Not reported
Planned Complet. date: Not reported
Operable Unit: Not reported
Contaminated Media : Not reported
Engineering Control: Not reported

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CAMPBELL	S106468217	TRAYMEN, DARYL	ROUTE 17 E	13148	NY Spills, NY Hist Spills
SCIPIO CENTER	U000387833	SCIPIOVILLE GARAGE	RT. 34B	13148	UST, HIST UST
SENECA FALLS	U003399536	RODMAN LOTT & SONS FARMS	2973 ROUTE #414	13148	AST, HIST AST
SENECA FALLS	S102126743	NICE & EASY STORE	ROUTE 20	13148	NY Spills, NY Hist Spills
SENECA FALLS	S108298074	SENECA MEADOWS LANDFILL	ROUTE 414	13148	NY Spills
SENECA FALLS	S108298072	SENECA MEADOWS ROAD SWEEPER	ROUTE 414	13148	NY Spills
SENECA FALLS	S102126450	MARRO'S EQUIP & TRUCK INC	ROUTE 414	13148	LTANKS, NY Spills, NY Hist Spills, HIST LTANKS
SENECA FALLS	S102126573	NYSDOT ROUTE 414	ROUTE 414	13148	NY Spills, NY Hist Spills
SENECA FALLS	S102129963	EQUITABLE GAS	ROUTE 414 WEST SIDE OF RD	13148	NY Spills, NY Hist Spills
SENECA FALLS	S103567713	SHERIDAN OIL COMPANY	ROUTE 414	13148	NY Spills, NY Hist Spills
SENECA FALLS	S103567911	RODMAN LOTT FARM	ROUTE 414	13148	NY Spills, NY Hist Spills
SENECA FALLS	S106698807	WRIGHT WISNER DISTRIBUTIO	2261 ROUTE 414	13148	NY Spills
SENECA FALLS	S106699395	FINGERLAKES TRUCK REPAIR	2354 ROUTE 414	13148	NY Spills
SENECA FALLS	S108131084	PETRO STOPPING	ROUTE 414	13148	NY Spills
SENECA FALLS	S103569195	SENECA CO CHAMBER OF COMM	2022 ROUTE 5 / ROUTE 20	13148	NY Spills, NY Hist Spills
SENECA FALLS	1001215565	NYSDOT BRIDGE BIN 4001970	RTE 5 OVER CAYUGA-SENECA CANAL	13148	RCRA-SQG, FINDS, NY MANIFEST
SENECA FALLS	S102127278	AUBURN ROAD PUMP STATION	ROUTE 5 / ROUTE 20	13148	NY Spills, NY Hist Spills
SENECA FALLS	S102127337	ROBINSON CONCRETE	ROUTE 5 / ROUTE 20	13148	NY Spills, NY Hist Spills
SENECA FALLS	S102128047	PIC-QUICK FOOD MART	ROUTE 5 / 2O WEST OF CNT	13148	NY Spills, NY Hist Spills
SENECA FALLS	S102130012	PADULLA TRUCKING & CONST.	ROUTE 5 / ROUTE 20	13148	NY Spills, NY Hist Spills
SENECA FALLS	S102130354	L R EXCAVATING	ROUTE 5 / ROUTE 20	13148	NY Spills, NY Hist Spills
SENECA FALLS	S103479227	HUDSON OIL COMPANY	ROUTE 5 / 20	13148	LTANKS, HIST LTANKS
SENECA FALLS	S103568401	MONTEZUMA NAT'L WILDLIFE	ROUTE 5 / ROUTE 20	13148	NY Spills, NY Hist Spills
SENECA FALLS	S103828710	KJ TRANSPORTATION	ROUTE 5 / 20 AT ROUTE 318	13148	NY Spills, NY Hist Spills
SENECA FALLS	S104276569	MONTAZUMA NATIONAL REFUGE	3395 ROUTE 5 / 20 EAST	13148	LTANKS, HIST LTANKS
SENECA FALLS	S105054413	MONTEZUMA WILDLIFE REFUGE	ROUTE 5 / 20	13148	LTANKS, HIST LTANKS
SENECA FALLS	S105054422	GRIFFITH - HORTON'S SHELL	ROUTE 5 / ROUTE 20	13148	HIST LTANKS
SENECA FALLS	S105055159	2085 ROUTE 5 & 20	2085 ROUTE 5 / 20	13148	LTANKS, HIST LTANKS
SENECA FALLS	S106967809	CELADON TRUCKING	ROUTE 5 / 20	13148	NY Spills
SENECA FALLS	S107417248	BILL CRAM CHEVY-OLDS	1913 ROUTE 5 / 20	13148	LTANKS
SENECA FALLS	S107417320	GRIFFITH - HORTON'S SHELL	ROUTE 5 / ROUTE 20	13148	LTANKS
SENECA FALLS	S108146105	S & S CYCLE	2172 ROUTE 5 / 20	13148	SWF/LF
SENECA FALLS	U003314015	MONTEZUMA NATIONAL WILDLIFE REFUGE	3395 ROUTE 5/20 EAST	13148	AST, HIST UST
SENECA FALLS	U004080030	MONTEZUMA NATIONAL WILDLIFE REFUGE	3395 ROUTE 5/20 EAST	13148	UST
SENECA FALLS	1000554162	NYSDOT BIN 4034310	RTE 89 & CAYUGA SENECA CANAL	13148	RCRA-SQG, FINDS, NY MANIFEST
SENECA FALLS	S102126868	AMREX CHEMICAL	ROUTE 89	13148	NY Spills, NY Hist Spills
SENECA FALLS	S105912571	GAIL ABBOTT PROPERTY	3430 ROUTE 89	13148	SWF/LF
SENECA FALLS	S107410027	AMREX CHEMICAL	ROUTE 89		NY Spills
SENECA FALLS	U004080837	SENECA FALLS MINI MART	38 AUBURN ROAD	13148	UST
SENECA FALLS	S103573229	SENECA BAPTIST CHURCH	1859 AUBURN ROAD	13148	NY Spills, NY Hist Spills
SENECA FALLS	1000200728	SENECA FALLS COCA COLA	2205 AUBURN RD	13148	RCRA-SQG, FINDS, NY MANIFEST
SENECA FALLS	1000329182	SUNOCO SERVICE STATION	AUBURN RD RTE 5-20	13148	RCRA-SQG, FINDS

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SENECA FALLS	S105912574	TIRE SOLUTIONS INTERNATIONAL; INC.	1910 AUBURN ROAD	13148	SWF/LF
SENECA FALLS	1007778208	CAYUGA & SENECA CANAL DAM NO 1	BARGE CANAL	13148	FINDS
SENECA FALLS	U003314242	SENECA FALLS CENTRAL SCHOOL	CADY STANTON SCHOOL	13148	UST, HIST UST
SENECA FALLS	S102130654	SENECA-CAYUGA CANAL	CANAL WEST OF ROUTE 89	13148	NY Spills, NY Hist Spills
SENECA FALLS	U003314831	NYS OFFICE OF PARKS, REC & HIST PRES	CAYUGA LAKE STATE PARK	13148	AST, HIST UST
SENECA FALLS	U004080735	NYS OFFICE OF PARKS, REC & HIST PRES	CAYUGA LAKE STATE PARK	13148	UST
SENECA FALLS	S106970146	CORNER OF WALNUT/WESTFALL STREET	CORNER OF WALNUT/WESTFALL STREET	13148	NY Spills
SENECA FALLS	S105841365	AREA LINE & TREE CO.	COUNTY ROAD 116	13148	SWF/LF
SENECA FALLS	U004079995	VILLAGE OF SENECA FALLS	DEPARTMENT OF PUBLIC WORKS GARAGE	13148	UST
SENECA FALLS	U004081409	TOWN OF TYRE	HIGHWAY DEPARTMENT	13148	UST
SENECA FALLS	1007744834	SENECA FALLS WAL-MART	KINGDOM RD	13148	FINDS
SENECA FALLS	1007764456	SHERMAN CNG METER SITE	MOUND ROAD	13148	FINDS
SENECA FALLS	S103568351	B E WRIGHT INC	MOUND ROAD (ROUTE 414)	13148	NY Spills, NY Hist Spills
SENECA FALLS	U003314772	B E WRIGHT, INC	MOUND ROAD, ROUTE 414	13148	HIST UST
SENECA FALLS	1007745040	SENECA FALLS - V WASTE HAULING	MUNICIPAL GARAGE, OAK ST	13148	FINDS
SENECA FALLS	U004046592	E-Z STOP	2086 NYS ROUTE 5	13148	UST
SENECA FALLS	1009230475	VILLAGE OF SENECA FALLS	OAK STREET	13148	NY MANIFEST
SENECA FALLS	S108057456	SENECA FALLS WWTP	OFF SENECA ST	13148	NY Spills
SENECA FALLS	S102129014	SENECA FALLS HYDRO PLANT	OFF JOHNSON ST	13148	NY Spills, NY Hist Spills
SENECA FALLS	S104653386	SENECA FALLS WTP	PARKER ROAD	13148	NY Spills, NY Hist Spills
SENECA FALLS	S103568121	SENECA FALLS HYDRO STA 25	PLANT RD OFF JOHNSTON ST	13148	NY Spills, NY Hist Spills
SENECA FALLS	1008206326	SENECA HOSPITAL	ROUTES 5 & 20	13148	FINDS
SENECA FALLS	1009450669	ALDI / KINNEY S - SENECA FALLS	ST RTE 5 & US RTE 20 AND BALSEY RD	13148	FINDS
SENECA FALLS	S102128175	SENECA FALLS (V) STP	RTS 5 / 20 @ KINGDOM BR	13148	NY Spills, NY Hist Spills
SENECA FALLS	1007745202	SENECA CO CHAMBER OF COMMERCE BUILDING	RTS 5 & 20& BARGE CANAL	13148	FINDS
SENECA FALLS	1001215458	NYSDOT BRIDGE BIN 4435080	RUMSEY ST OVER CAYUGA OVER	13148	RCRA-SQG, FINDS, NY MANIFEST
SENECA FALLS	S102447625	BETHEL TRANSPORT	SALCMAN ROAD ROUTE 414	13148	NY Spills, NY Hist Spills
SENECA FALLS	1007772660	SENECA FALLS PERMISSIVE SERVICE AREA	SENECA FALLS VILLAGE & PORTION OF THE TOWN BOUNDED	13148	FINDS
SENECA FALLS	1007750675	WATERLOO AND SENECA FALLS HYDRO PROJECT	SENECA RIVER	13148	FINDS
SENECA FALLS	1007444994	SENECA FALLS LANDFILL	NORTH SIDE OF SALCMAN ROAD 2000 FT WEST OF RT 414		ODI
SENECA FALLS	A100296606	WAL-MART STORE #1705	1855 STATE ROUTE 5& 20	13148	AST
SENECA FALLS	S102126867	CAYUGA STREET PARK	STATE ROUTE 89	13148	NY Spills, NY Hist Spills
SENECA FALLS	U004047837	OPTIMA #0761-4779	1855 STATE ROUTE 5 & 20	13148	UST
SENECA FALLS	S102401556	TALL OAK SUBDIVION	TALL OAK DRIVE	13148	NY Spills, NY Hist Spills
SENECA FALLS	1009229958	TOWN OF SENECA FALLS	TOWN ROADS	13148	NY MANIFEST
SENECA FALLS	U004079942	SENECA FALLS CENTRAL SCHOOL	TRANSPORTATION DEPARTMENT	13148	UST
SENECA FALLS	S108147001	NYSEG, SENECA FALLS	U	13148	HSWDS
SENECA FALLS	1007772642	SENECA FALLS COMMUNITY CENTER	WATER STREET	13148	FINDS
SENECA FALLS	S102126751	PEOPLE'S PARK	WATER STREET	13148	NY Spills, NY Hist Spills
SENECA FALLS	S102130624	BARGE CANAL	WATER STREET	13148	NY Spills, NY Hist Spills
SENECA FALLS	S106005246	SENECA FALLS HIGH SCHOOL	105 WINDER STREET	13148	NY Spills
TYRE	S102126891	SENECA RIVER BRIDGE	ROUTE 31 SENECA BRIDGE	13148	NY Spills, NY Hist Spills
TYRE	S102129986	BACH INC	ROUTE 318 / BLACKCREEK RD	13148	NY Spills, NY Hist Spills
TYRE	S103569335	BARNER (RICHARD) HOME	1820 ROUTE 318, APT#1	13148	NY Spills, NY Hist Spills
TYRE	S106126082	NICE AND EASY	ROUTE 318/ROUTE 414	13148	NY Spills
TYRE	S102130455	SENECA IRON & STEEL	ROUTE 414	13148	NY Spills, NY Hist Spills
TYRE	S103568032	NICE & EASY CONVIENENT	ROUTE 414 / ROUTE 318	13148	NY Spills, NY Hist Spills

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
TYRE	S106009622	ROUTE 414 MVA	906 ROUTE 414	13148	NY Spills
TYRE	S107658331	NICE & EASY GAS	ROUTE 414	13148	NY Spills
TYRE	S106018727	NICE & EASY #21	ROUTE 414/ROUTE 318	13148	NY Spills
TYRE	S102559797	NEAR MONTEZUMA WILDLIFE	ROUTE 5 / ROUTE 20	13148	NY Spills, NY Hist Spills
TYRE	S104787108	ROUTE 5 & 20 MVA	ROUTE 5 / 20	13148	NY Spills, NY Hist Spills
TYRE	1005444282	NYSDOT BRIDGE BIN 4060410	RTE 89 OVER BARGE CANAL	13148	FINDS, RCRA-LQG, NY MANIFEST
TYRE	S102130892	AGWAY	ROUTE 89 / ROUTE 31	13148	NY Spills, NY Hist Spills
TYRE	S104653566	MONTEZUMA WILDLIFE REFUGE	ROUTE 89	13148	NY Spills, NY Hist Spills
TYRE	S106016865	MARTIN (AMOS) RESIDENCE	1412 ROUTE 89	13148	NY Spills
TYRE	S106970209	NYS ERIE CANAL-LOCK #25	ROUTE 89	13148	NY Spills
TYRE	S102129167	CLYDE RIVER / BARGE CANAL	MAYS POINT RT 89	13148	NY Spills, NY Hist Spills
TYRE	S102130814	NEW YORK STATE THRUWAY	NYS THRUWAY 4MI E RT 414	13148	NY Spills, NY Hist Spills
TYRE	S107522082	STATE ROUTE 318 MVA	EAST OF STATE ROUTE 414	13148	NY Spills
TYRE	S103482642	CANAL LOCK #E-25	OLD ROUTE 89	13148	NY Spills, NY Hist Spills
WATERLOO	A100166821	B E WRIGHT DISTRIBUTING CORP	2261 ROUTE 414	13148	AST
WATERLOO	U004047956	PETRO STOPPING CENTER #71	1255 ROUTE 414	13148	UST
WATERLOO	U004061963	B E WRIGHT DISTRIBUTING CORP	2261 ROUTE 414	13148	UST
WATERLOO	S105586473	R.L. SESSLER SCAVENGER WASTE DISPOSAL	MANEY ROAD	13165	SHWS
WATERLOO	S105586474	NYEG - BORDER CITY - GENEVA MGP	NORTH STREET	13165	SHWS

EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D002	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
D006	CADMIUM
D008	LEAD
D009	MERCURY
D010	SELENIUM
D035	METHYL ETHYL KETONE
F003	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F005	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 01/25/2007
Date Data Arrived at EDR: 01/31/2007
Date Made Active in Reports: 03/12/2007
Number of Days to Update: 40

Source: EPA
Telephone: N/A
Last EDR Contact: 05/03/2007
Next Scheduled EDR Contact: 07/30/2007
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 09/27/2006
Date Data Arrived at EDR: 11/01/2006
Date Made Active in Reports: 11/22/2006
Number of Days to Update: 21

Source: EPA
Telephone: N/A
Last EDR Contact: 05/03/2007
Next Scheduled EDR Contact: 07/30/2007
Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/28/2006
Date Data Arrived at EDR: 01/31/2007
Date Made Active in Reports: 03/12/2007
Number of Days to Update: 40

Source: EPA
Telephone: N/A
Last EDR Contact: 05/03/2007
Next Scheduled EDR Contact: 07/30/2007
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/27/2007
Date Data Arrived at EDR: 03/21/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 37

Source: EPA
Telephone: 703-603-8960
Last EDR Contact: 03/21/2007
Next Scheduled EDR Contact: 06/18/2007
Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 03/21/2007
Date Data Arrived at EDR: 04/27/2007
Date Made Active in Reports: 05/25/2007
Number of Days to Update: 28

Source: EPA
Telephone: 703-603-8960
Last EDR Contact: 03/19/2007
Next Scheduled EDR Contact: 06/18/2007
Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/14/2007
Date Data Arrived at EDR: 03/20/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 38

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/04/2007
Next Scheduled EDR Contact: 09/03/2007
Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/13/2006
Date Data Arrived at EDR: 06/28/2006
Date Made Active in Reports: 08/23/2006
Number of Days to Update: 56

Source: EPA
Telephone: (212) 637-3660
Last EDR Contact: 06/05/2007
Next Scheduled EDR Contact: 07/16/2007
Data Release Frequency: Quarterly

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 01/24/2007
Date Made Active in Reports: 03/12/2007
Number of Days to Update: 47

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 04/24/2007
Next Scheduled EDR Contact: 07/23/2007
Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 04/17/2007
Date Made Active in Reports: 05/14/2007
Number of Days to Update: 27

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 04/17/2007
Next Scheduled EDR Contact: 07/16/2007
Data Release Frequency: Annually

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 04/20/2007
Date Data Arrived at EDR: 04/26/2007
Date Made Active in Reports: 05/25/2007
Number of Days to Update: 29

Source: Environmental Protection Agency
Telephone: 703-603-8905
Last EDR Contact: 04/02/2007
Next Scheduled EDR Contact: 07/02/2007
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 04/20/2007
Date Data Arrived at EDR: 04/26/2007
Date Made Active in Reports: 05/25/2007
Number of Days to Update: 29

Source: Environmental Protection Agency
Telephone: 703-603-8905
Last EDR Contact: 04/02/2007
Next Scheduled EDR Contact: 07/02/2007
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 05/11/2007
Next Scheduled EDR Contact: 08/06/2007
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 09/20/2006
Date Made Active in Reports: 11/22/2006
Number of Days to Update: 63

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 04/02/2007
Next Scheduled EDR Contact: 07/02/2007
Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 04/04/2007
Date Data Arrived at EDR: 04/04/2007
Date Made Active in Reports: 05/25/2007
Number of Days to Update: 51

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/11/2007
Next Scheduled EDR Contact: 09/10/2007
Data Release Frequency: Semi-Annually

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 08/23/2006
Date Data Arrived at EDR: 03/06/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 35

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/23/2007
Next Scheduled EDR Contact: 07/23/2007
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 03/27/2007
Date Data Arrived at EDR: 03/27/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 31

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/27/2007
Next Scheduled EDR Contact: 07/02/2007
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/08/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 82

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/17/2007
Next Scheduled EDR Contact: 06/18/2007
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 06/22/2006
Date Made Active in Reports: 08/23/2006
Number of Days to Update: 62

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 04/27/2007
Next Scheduled EDR Contact: 06/18/2007
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 04/16/2007
Next Scheduled EDR Contact: 07/16/2007
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 02/26/2007
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 03/19/2007
Next Scheduled EDR Contact: 06/18/2007
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 02/26/2007
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 03/19/2007
Next Scheduled EDR Contact: 06/18/2007
Data Release Frequency: Quarterly

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/13/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 45

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/12/2007
Next Scheduled EDR Contact: 07/16/2007
Data Release Frequency: Annually

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 03/08/2007
Date Data Arrived at EDR: 04/12/2007
Date Made Active in Reports: 05/14/2007
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 05/01/2007
Date Data Arrived at EDR: 05/03/2007
Date Made Active in Reports: 05/25/2007
Number of Days to Update: 22

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 05/03/2007
Next Scheduled EDR Contact: 07/30/2007
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/01/2006
Date Data Arrived at EDR: 01/08/2007
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 3

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 06/06/2007
Next Scheduled EDR Contact: 06/25/2007
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 03/19/2007
Next Scheduled EDR Contact: 06/18/2007
Data Release Frequency: No Update Planned

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 02/21/2007
Date Data Arrived at EDR: 04/03/2007
Date Made Active in Reports: 05/14/2007
Number of Days to Update: 41

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 04/16/2007
Next Scheduled EDR Contact: 07/16/2007
Data Release Frequency: Quarterly

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 06/11/2007
Next Scheduled EDR Contact: 09/10/2007
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 02/14/2007
Date Data Arrived at EDR: 02/28/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 41

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 05/30/2007
Next Scheduled EDR Contact: 08/27/2007
Data Release Frequency: Varies

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 10/17/2006
Date Data Arrived at EDR: 11/29/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 43

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 06/08/2007
Next Scheduled EDR Contact: 08/06/2007
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/05/2007
Date Data Arrived at EDR: 04/25/2007
Date Made Active in Reports: 05/25/2007
Number of Days to Update: 30

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 04/02/2007
Next Scheduled EDR Contact: 07/02/2007
Data Release Frequency: Quarterly

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/06/2007
Date Data Arrived at EDR: 03/28/2007
Date Made Active in Reports: 05/14/2007
Number of Days to Update: 47

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 03/28/2007
Next Scheduled EDR Contact: 06/25/2007
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 01/18/2007
Date Data Arrived at EDR: 01/23/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 35

Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 05/14/2007
Next Scheduled EDR Contact: 07/02/2007
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/04/2007
Next Scheduled EDR Contact: 09/03/2007
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/06/2007
Date Made Active in Reports: 04/13/2007
Number of Days to Update: 38

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/12/2007
Next Scheduled EDR Contact: 09/10/2007
Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

SHWS: Inactive Hazardous Waste Disposal Sites in New York State

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 03/05/2007
Date Data Arrived at EDR: 03/15/2007
Date Made Active in Reports: 04/19/2007
Number of Days to Update: 35

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 06/13/2007
Next Scheduled EDR Contact: 09/10/2007
Data Release Frequency: Annually

HSWDS: Hazardous Substance Waste Disposal Site Inventory

The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003
Date Data Arrived at EDR: 10/20/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 41
Source: Department of Environmental Conservation
Telephone: 518-402-9564
Last EDR Contact: 05/29/2007
Next Scheduled EDR Contact: 08/27/2007
Data Release Frequency: No Update Planned

DEL SHWS: Delisted Registry Sites
A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 08/04/2006
Date Data Arrived at EDR: 09/14/2006
Date Made Active in Reports: 10/16/2006
Number of Days to Update: 32
Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 06/13/2007
Next Scheduled EDR Contact: 09/10/2007
Data Release Frequency: Annually

SWF/LF: Facility Register
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/01/2007
Date Data Arrived at EDR: 05/01/2007
Date Made Active in Reports: 05/23/2007
Number of Days to Update: 22
Source: Department of Environmental Conservation
Telephone: 518-457-2051
Last EDR Contact: 04/30/2007
Next Scheduled EDR Contact: 07/30/2007
Data Release Frequency: Semi-Annually

SWRCY: Registered Recycling Facility List
A listing of recycling facilities.

Date of Government Version: 05/01/2007
Date Data Arrived at EDR: 05/01/2007
Date Made Active in Reports: 05/23/2007
Number of Days to Update: 22
Source: Department of Environmental Conservation
Telephone: 518-402-8705
Last EDR Contact: 04/30/2007
Next Scheduled EDR Contact: 07/30/2007
Data Release Frequency: Semi-Annually

SWTIRE: Registered Waste Tire Storage & Facility List
A listing of facilities registered to accept waste tires.

Date of Government Version: 08/01/2006
Date Data Arrived at EDR: 11/15/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 15
Source: Department of Environmental Conservation
Telephone: 518-402-8694
Last EDR Contact: 05/17/2007
Next Scheduled EDR Contact: 08/13/2007
Data Release Frequency: Annually

LTANKS: Spills Information Database
Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 04/02/2007
Date Data Arrived at EDR: 04/25/2007
Date Made Active in Reports: 05/23/2007
Number of Days to Update: 28
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 04/25/2007
Next Scheduled EDR Contact: 07/23/2007
Data Release Frequency: Varies

HIST LTANKS: Listing of Leaking Storage Tanks
A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST: Petroleum Bulk Storage (PBS) Database
Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 04/02/2007
Date Data Arrived at EDR: 04/25/2007
Date Made Active in Reports: 05/08/2007
Number of Days to Update: 13

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 04/25/2007
Next Scheduled EDR Contact: 07/23/2007
Data Release Frequency: No Update Planned

CBS UST: Chemical Bulk Storage Database
Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 10/24/2005
Next Scheduled EDR Contact: 01/23/2006
Data Release Frequency: No Update Planned

MOSF UST: Major Oil Storage Facilities Database
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: Varies

HIST UST: Historical Petroleum Bulk Storage Database
These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: Varies

AST: Petroleum Bulk Storage
Registered Aboveground Storage Tanks.

Date of Government Version: 04/02/2007
Date Data Arrived at EDR: 04/25/2007
Date Made Active in Reports: 05/08/2007
Number of Days to Update: 13

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 04/25/2007
Next Scheduled EDR Contact: 07/23/2007
Data Release Frequency: No Update Planned

HIST AST: Historical Petroleum Bulk Storage Database
These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: No Update Planned

CBS AST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF AST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 10/26/2006
Date Data Arrived at EDR: 11/29/2006
Date Made Active in Reports: 01/05/2007
Number of Days to Update: 37

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 06/01/2007
Next Scheduled EDR Contact: 08/27/2007
Data Release Frequency: Annually

SPILLS: Spills Information Database

Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 04/02/2007
Date Data Arrived at EDR: 04/25/2007
Date Made Active in Reports: 05/23/2007
Number of Days to Update: 28

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 04/25/2007
Next Scheduled EDR Contact: 07/23/2007
Data Release Frequency: Varies

HIST SPILLS: SPILLS Database

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ENG CONTROLS: Registry of Engineering Controls
Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 03/05/2007
Date Data Arrived at EDR: 03/15/2007
Date Made Active in Reports: 04/19/2007
Number of Days to Update: 35

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 06/13/2007
Next Scheduled EDR Contact: 09/10/2007
Data Release Frequency: Quarterly

INST CONTROL: Registry of Institutional Controls
Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 03/05/2007
Date Data Arrived at EDR: 03/15/2007
Date Made Active in Reports: 04/19/2007
Number of Days to Update: 35

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 06/13/2007
Next Scheduled EDR Contact: 09/10/2007
Data Release Frequency: Quarterly

VCP: Voluntary Cleanup Agreements
New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 03/05/2007
Date Data Arrived at EDR: 03/15/2007
Date Made Active in Reports: 04/19/2007
Number of Days to Update: 35

Source: Department of Environmental Conservation
Telephone: 518-402-9711
Last EDR Contact: 06/13/2007
Next Scheduled EDR Contact: 09/10/2007
Data Release Frequency: Semi-Annually

DRYCLEANERS: Registered Drycleaners
A listing of all registered drycleaning facilities.

Date of Government Version: 06/15/2004
Date Data Arrived at EDR: 06/15/2004
Date Made Active in Reports: 07/29/2004
Number of Days to Update: 44

Source: Department of Environmental Conservation
Telephone: 518-402-8403
Last EDR Contact: 05/21/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

BROWNFIELDS: Brownfields Site List
A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 03/05/2007
Date Data Arrived at EDR: 03/15/2007
Date Made Active in Reports: 04/19/2007
Number of Days to Update: 35

Source: Department of Environmental Conservation
Telephone: 518-402-9764
Last EDR Contact: 06/13/2007
Next Scheduled EDR Contact: 09/10/2007
Data Release Frequency: Semi-Annually

SPDES: State Pollutant Discharge Elimination System
New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 05/09/2007
Date Data Arrived at EDR: 05/10/2007
Date Made Active in Reports: 05/23/2007
Number of Days to Update: 13

Source: Department of Environmental Conservation
Telephone: 518-402-8233
Last EDR Contact: 05/07/2007
Next Scheduled EDR Contact: 08/06/2007
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AIRS: Air Emissions Data
Point source emissions inventory data.

Date of Government Version: 12/31/2002
Date Data Arrived at EDR: 09/13/2004
Date Made Active in Reports: 10/18/2004
Number of Days to Update: 35

Source: Department of Environmental Conservation
Telephone: 518-402-8452
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Annually

RES DECL: Restrictive Declarations Listing
A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 12/31/1992
Date Data Arrived at EDR: 01/31/2007
Date Made Active in Reports: 04/19/2007
Number of Days to Update: 78

Source: NYC Department of City Planning
Telephone: 212-720-3401
Last EDR Contact: 04/17/2007
Next Scheduled EDR Contact: 07/16/2007
Data Release Frequency: No Update Planned

CBS: Chemical Bulk Storage Site Listing
These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 04/02/2007
Date Data Arrived at EDR: 04/25/2007
Date Made Active in Reports: 05/23/2007
Number of Days to Update: 28

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 04/25/2007
Next Scheduled EDR Contact: 07/23/2007
Data Release Frequency: Quarterly

MOSF: Major Oil Storage Facility Site Listing
These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 04/02/2007
Date Data Arrived at EDR: 04/25/2007
Date Made Active in Reports: 05/23/2007
Number of Days to Update: 28

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 04/25/2007
Next Scheduled EDR Contact: 07/23/2007
Data Release Frequency: Quarterly

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 05/11/2007
Next Scheduled EDR Contact: 08/06/2007
Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 12/01/2006
Date Data Arrived at EDR: 12/01/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 59

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 02/19/2007
Date Data Arrived at EDR: 02/27/2007
Date Made Active in Reports: 04/04/2007
Number of Days to Update: 36
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Minnesota, Mississippi and North Carolina.

Date of Government Version: 03/20/2007
Date Data Arrived at EDR: 04/16/2007
Date Made Active in Reports: 05/14/2007
Number of Days to Update: 28
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Semi-Annually

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/30/2007
Date Data Arrived at EDR: 03/30/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 28
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 03/01/2007
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/04/2007
Number of Days to Update: 34
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/06/2006
Date Data Arrived at EDR: 10/04/2006
Date Made Active in Reports: 11/08/2006
Number of Days to Update: 35
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 01/04/2005
Date Data Arrived at EDR: 01/21/2005
Date Made Active in Reports: 02/28/2005
Number of Days to Update: 38
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

Date of Government Version: 03/20/2007
Date Data Arrived at EDR: 04/16/2007
Date Made Active in Reports: 05/14/2007
Number of Days to Update: 28
Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

Date of Government Version: 12/02/2004
Date Data Arrived at EDR: 12/29/2004
Date Made Active in Reports: 02/04/2005
Number of Days to Update: 37

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

Date of Government Version: 02/19/2007
Date Data Arrived at EDR: 02/27/2007
Date Made Active in Reports: 04/04/2007
Number of Days to Update: 36

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

Date of Government Version: 03/01/2007
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/04/2007
Number of Days to Update: 34

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

A listing of underground storage tank locations on Indian Land.

Date of Government Version: 12/01/2006
Date Data Arrived at EDR: 12/01/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 59

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

Date of Government Version: 01/11/2007
Date Data Arrived at EDR: 01/12/2007
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 17

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Semi-Annually

INDIAN UST R9: Underground Storage Tanks on Indian Land

Date of Government Version: 03/26/2007
Date Data Arrived at EDR: 03/27/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 31

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

Date of Government Version: 09/06/2006
Date Data Arrived at EDR: 10/04/2006
Date Made Active in Reports: 11/08/2006
Number of Days to Update: 35

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

COUNTY RECORDS

CORTLAND COUNTY:

Cortland County Storage Tank Listing
A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 04/26/2007
Date Data Arrived at EDR: 05/02/2007
Date Made Active in Reports: 05/30/2007
Number of Days to Update: 28

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 05/29/2007
Next Scheduled EDR Contact: 08/27/2007
Data Release Frequency: Quarterly

Cortland County Storage Tank Listing
A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 04/26/2007
Date Data Arrived at EDR: 05/02/2007
Date Made Active in Reports: 05/30/2007
Number of Days to Update: 28

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 05/29/2007
Next Scheduled EDR Contact: 08/27/2007
Data Release Frequency: Quarterly

NASSAU COUNTY:

Registered Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 05/21/2003
Date Data Arrived at EDR: 05/27/2003
Date Made Active in Reports: 06/09/2003
Number of Days to Update: 13

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 05/01/2007
Next Scheduled EDR Contact: 07/30/2007
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 01/04/2007
Date Data Arrived at EDR: 02/07/2007
Date Made Active in Reports: 03/26/2007
Number of Days to Update: 47

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 04/27/2007
Next Scheduled EDR Contact: 05/07/2007
Data Release Frequency: Varies

Registered Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 05/21/2003
Date Data Arrived at EDR: 05/27/2003
Date Made Active in Reports: 06/09/2003
Number of Days to Update: 13

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 05/01/2007
Next Scheduled EDR Contact: 07/30/2007
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 01/04/2007
Date Data Arrived at EDR: 02/07/2007
Date Made Active in Reports: 03/23/2007
Number of Days to Update: 44

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 04/27/2007
Next Scheduled EDR Contact: 05/07/2007
Data Release Frequency: Varies

ROCKLAND COUNTY:

Petroleum Bulk Storage Database
A listing of aboveground storage tank sites located in Rockland County.

Date of Government Version: 05/10/2007
Date Data Arrived at EDR: 05/11/2007
Date Made Active in Reports: 05/30/2007
Number of Days to Update: 19

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 04/02/2007
Next Scheduled EDR Contact: 07/02/2007
Data Release Frequency: Quarterly

Petroleum Bulk Storage Database
A listing of underground storage tank sites located in Rockland County.

Date of Government Version: 05/10/2007
Date Data Arrived at EDR: 05/11/2007
Date Made Active in Reports: 05/30/2007
Number of Days to Update: 19

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 04/02/2007
Next Scheduled EDR Contact: 07/02/2007
Data Release Frequency: Quarterly

SUFFOLK COUNTY:

Storage Tank Database
A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 09/13/2006
Date Data Arrived at EDR: 01/11/2007
Date Made Active in Reports: 02/07/2007
Number of Days to Update: 27

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 06/01/2007
Next Scheduled EDR Contact: 08/27/2007
Data Release Frequency: Annually

Storage Tank Database
A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 09/13/2006
Date Data Arrived at EDR: 01/11/2007
Date Made Active in Reports: 02/07/2007
Number of Days to Update: 27

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 06/01/2007
Next Scheduled EDR Contact: 08/27/2007
Data Release Frequency: Annually

WESTCHESTER COUNTY:

Listing of Storage Tanks
A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 05/05/2005
Date Data Arrived at EDR: 05/31/2005
Date Made Active in Reports: 06/30/2005
Number of Days to Update: 30

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 05/29/2007
Next Scheduled EDR Contact: 08/27/2007
Data Release Frequency: Varies

Listing of Storage Tanks

A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 05/05/2005
Date Data Arrived at EDR: 05/31/2005
Date Made Active in Reports: 06/30/2005
Number of Days to Update: 30

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 05/29/2007
Next Scheduled EDR Contact: 08/27/2007
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/17/2006
Date Made Active in Reports: 04/07/2006
Number of Days to Update: 49

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 06/13/2007
Next Scheduled EDR Contact: 09/10/2007
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 04/01/2007
Date Data Arrived at EDR: 04/05/2007
Date Made Active in Reports: 05/08/2007
Number of Days to Update: 33

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/05/2007
Next Scheduled EDR Contact: 07/02/2007
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 06/06/2006
Number of Days to Update: 81

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/11/2007
Next Scheduled EDR Contact: 09/10/2007
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 04/09/2007
Date Data Arrived at EDR: 04/12/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 15

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 03/19/2007
Next Scheduled EDR Contact: 06/18/2007
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 04/03/2007
Date Made Active in Reports: 04/24/2007
Number of Days to Update: 21

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 05/14/2007
Next Scheduled EDR Contact: 08/13/2007
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 04/27/2007
Date Made Active in Reports: 06/08/2007
Number of Days to Update: 42

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 04/24/2007
Next Scheduled EDR Contact: 07/09/2007
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Providers
Source: Department of Health
Telephone: 212-676-2444

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

SENECA FALLS FORMER MGP SITE
187 FALL STREET
SENECA FALLS, NY 13148

TARGET PROPERTY COORDINATES

Latitude (North):	42.91050 - 42° 54' 37.8''
Longitude (West):	76.8041 - 76° 48' 14.8''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	352731.6
UTM Y (Meters):	4752240.0
Elevation:	455 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	42076-H7 SENECA FALLS, NY
Most Recent Revision:	1978

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

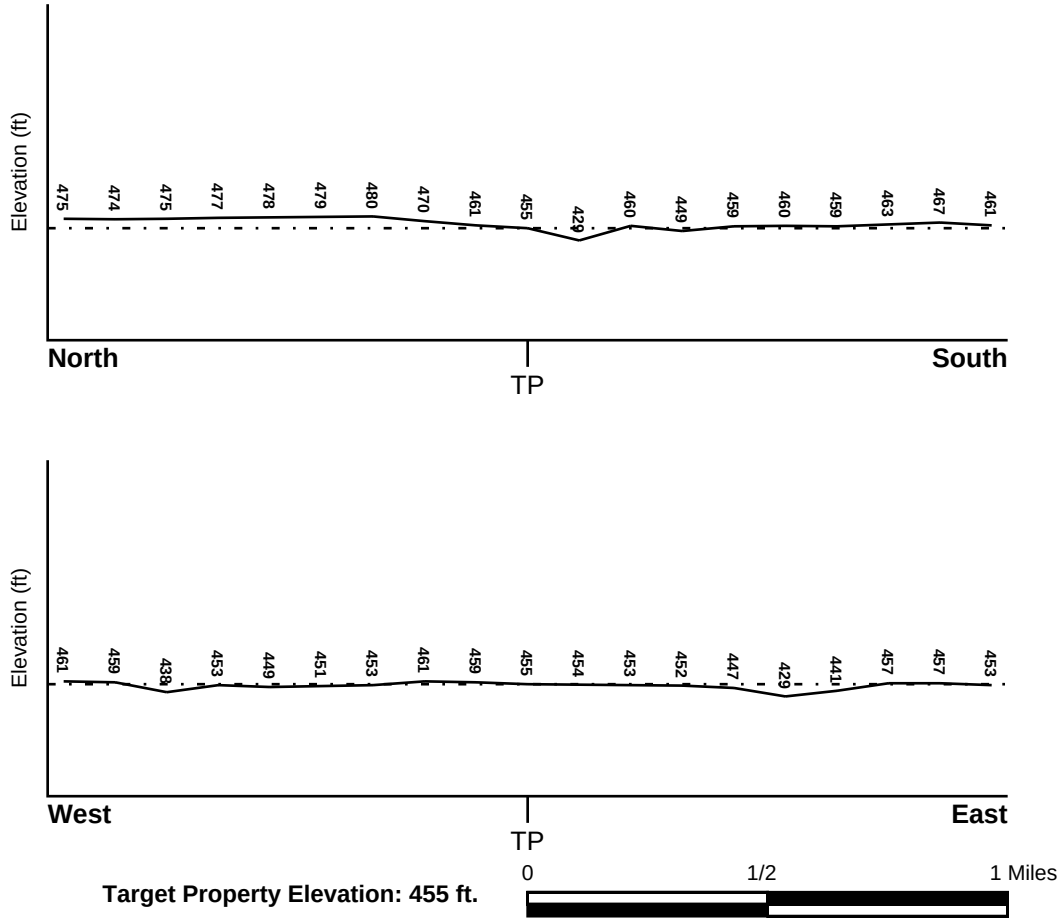
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
SENECA, NY	Not Available

Flood Plain Panel at Target Property: Not Reported

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
SENECA FALLS	Not Available

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

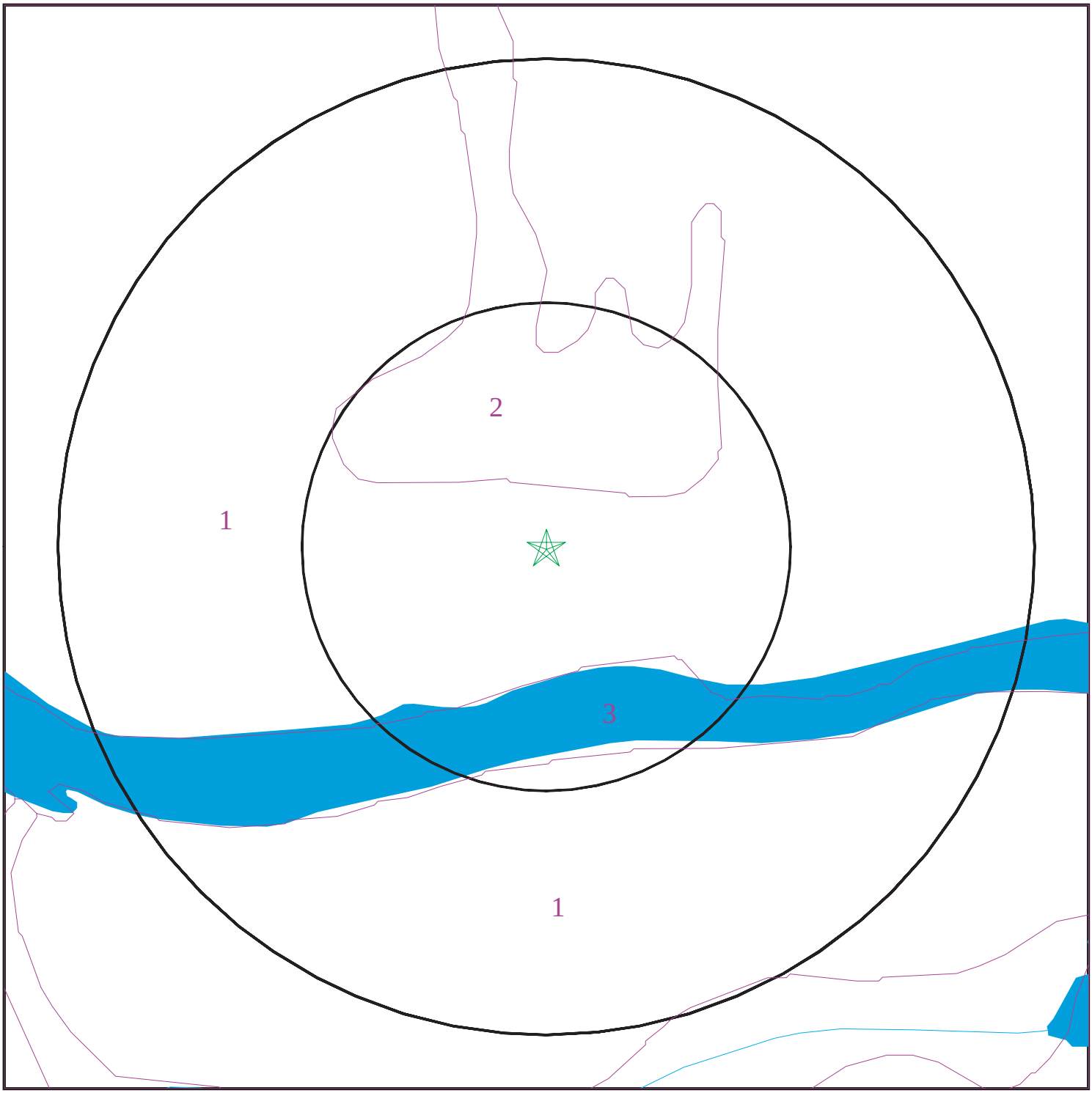
Era:	Paleozoic
System:	Devonian
Series:	Lower Devonian
Code:	D1 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 1953068.3s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Seneca Falls Former MGP Site	CLIENT:	Haley & Aldrich, Inc.
ADDRESS:	187 Fall Street Seneca Falls NY 13148	CONTACT:	Tina Gross
LAT/LONG:	42.9105 / 76.8041	INQUIRY #:	1953068.3s
		DATE:	June 13, 2007 5:03 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: SCHOHARIE

Soil Surface Texture: silty clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained. Soils have a layer of low hydraulic conductivity, wet state high in the profile. Depth to water table is 3 to 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	7 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 0.60 Min: 0.20	Max: 7.30 Min: 5.60
2	7 inches	29 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.20 Min: 0.00	Max: 7.80 Min: 5.60
3	29 inches	60 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.20 Min: 0.00	Max: 8.40 Min: 7.40

Soil Map ID: 2

Soil Component Name: ODESSA

Soil Surface Texture: silt loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat poorly. Soils commonly have a layer with low hydraulic conductivity, wet state high in profile, etc. Depth to water table is 1 to 3 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

Soil Layer Information

	Boundary			Classification			
Layer	**Upper**	**Lower**	**Soil Texture Class**	**AASHTO Group**	**Unified Soil**	**Permeability Rate (in/hr)**	**Soil Reaction (pH)**
1	0 inches	8 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 7.30 Min: 5.60
2	8 inches	25 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.20 Min: 0.00	Max: 7.80 Min: 5.60
3	25 inches	60 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.20 Min: 0.00	Max: 8.40 Min: 7.40

Soil Map ID: 3

Soil Component Name: WATER

Soil Surface Texture: Not reported

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat poorly. Soils commonly have a layer with low hydraulic conductivity, wet state high in profile, etc. Depth to water table is 1 to 3 feet.

Hydric Status: Soil has not been ranked with a hydric criteria.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

No Layer Information available.

Soil Map ID: 4

Soil Component Name: ODESSA

Soil Surface Texture: silt loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat poorly. Soils commonly have a layer with low hydraulic conductivity, wet state high in profile, etc. Depth to water table is 1 to 3 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	8 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 7.30 Min: 5.60
2	8 inches	25 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.20 Min: 0.00	Max: 7.80 Min: 5.60

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
3	25 inches	60 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.20 Min: 0.00	Max: 8.40 Min: 7.40

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	USGS2202804	1/2 - 1 Mile West
3	USGS2202792	1/2 - 1 Mile WSW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	NY0022633	1/4 - 1/2 Mile East

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

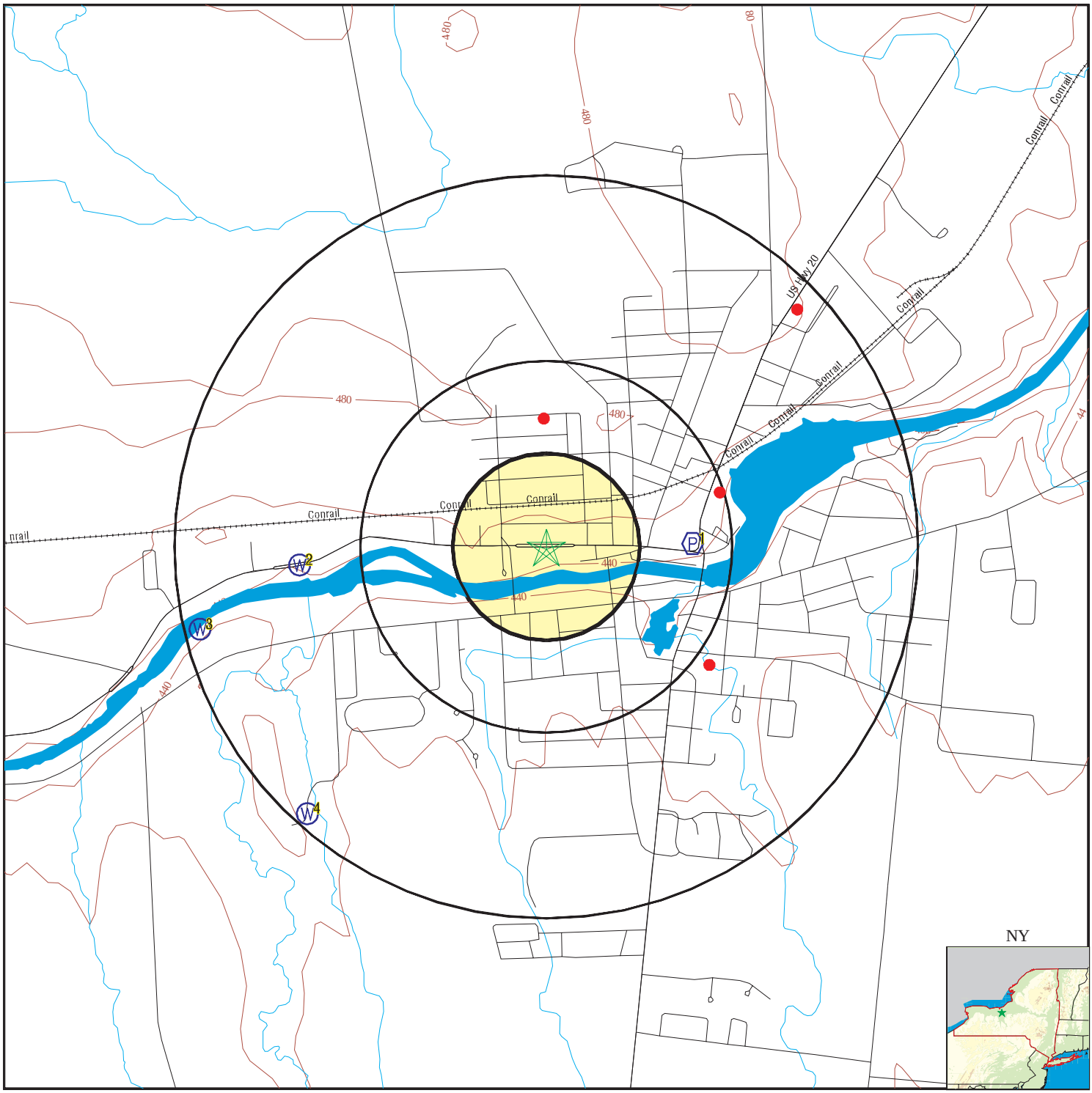
MAP ID	WELL ID	LOCATION FROM TP
4	NYWS001432	1/2 - 1 Mile SW

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

DISTANCE FROM TP (Miles)	DISTANCE FROM TP (Miles)
1/2 - 1 Mile NE	1/4 - 1/2 Mile North
1/4 - 1/2 Mile ENE	1/2 - 1 Mile SE

PHYSICAL SETTING SOURCE MAP - 1953068.3s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Seneca Falls Former MGP Site	CLIENT:	Haley & Aldrich, Inc.
ADDRESS:	187 Fall Street Seneca Falls NY 13148	CONTACT:	Tina Gross
LAT/LONG:	42.9105 / 76.8041	INQUIRY #:	1953068.3s
		DATE:	June 13, 2007 5:03 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
East
1/4 - 1/2 Mile
Lower | **FRDS PWS** | **NY0022633**

PWS ID:	NY0022633	PWS Status:	Active
Date Initiated:	Not Reported	Date Deactivated:	Not Reported
PWS Name:	ZOLLERS ICE CREAM 4285 RT 89 SENECA FALLS, NY 13148		
Addressee / Facility:	System Owner/Responsible Party ZOLLER MARTHA C/O MARTHA ZOLLER 4285 RT. 89 SENECA FALLS, NY 13148		
Facility Latitude:	42 54 38	Facility Longitude:	076 47 48
City Served:	SENECA FALLS (T)		
Treatment Class	Not Reported	Population:	Not Reported

Violations information not reported.

2
West
1/2 - 1 Mile
Lower | **FED USGS** | **USGS2202804**

Agency cd:	USGS	Site no:	425435076490301
Site name:	SE 171		
Latitude:	425435		
Longitude:	0764903	Dec lat:	42.90978855
Dec lon:	-76.81717841	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	099
Country:	US	Land net:	Not Reported
Location map:	BULL GW-26 PL 1	Map scale:	101376
Altitude:	450.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Seneca. New York. Area = 3430 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SALINA FORMATION		
Well depth:	385	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	BULLGW-26		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1947-01-01	Ground water data end date:	1947-01-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1947-01-01	50.00	

Note: Other conditions existed that would affect the measured water level.

3
WSW
1/2 - 1 Mile
Lower

FED USGS **USGS2202792**

Agency cd:	USGS	Site no:	425426076492201
Site name:	SE 503		
Latitude:	425426		
Longitude:	0764922	Dec lat:	42.90728858
Dec lon:	-76.82245649	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	099
Country:	US	Land net:	Not Reported
Location map:	BULL GW-26 PL 1	Map scale:	101376
Altitude:	440.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Seneca. New York. Area = 3430 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SILURIAN, UPPER		
Well depth:	50.0	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	BULLGW-26		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1947-01-01	Ground water data end date:	1947-01-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1947-01-01	20.00	

Note: Other conditions existed that would affect the measured water level.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database	EDR ID Number
NY WELLS	**NYWS001432**

4
SW
1/2 - 1 Mile
Lower

Well Id:	NY4930026	System name:	SAUDER'S STORE
System Id:	001	Well name:	DRILLED WELL
Type:	WL	Active?:	A
County:	SENECA COUNTY	Latitude:	425400.324
Longitude:	764900.322	Slec_type_:	AC
Agency:	SAUDER, JOHN & IDA		
Address:	SAUDERS STORE 21668 WEST RIVER RD.		
City/State/Zip:	SENECA FALLS NY 13148		
Phone:	315-568-2673		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

NE
1/2 - 1 Mile | **OIL_GAS** | **NYO1031887**

Api wellno:	31099023250000		
Cnty:	Seneca		
Hole:	02325	Sidetrck:	0
Completion:	0		
Well nm:	Well 5		
Coname:	Phoenix Gas Co.		
Opno:	9517		
Dt approv:	Not Reported	Dt spud:	Not Reported
Dt comp:	Not Reported		
Well typ:	Dry Hole		
Dtd:	0		
Wl status:	UN		
Town:	Seneca Falls	Field:	Seneca Falls
Prodform:	Not Applicable		
Xloc:	-76.79079		
Yloc:	42.91975		
Confid:	Well does not have confidential information.		
Wellst:	Dry Hole		
Quad:	Seneca Falls	Quadsec:	F
Deepestfor:	Medina	Elevation:	475
Dt mod:	Not Reported	Site id:	NYO1031887

North
1/4 - 1/2 Mile | **OIL_GAS** | **NYO1031784**

Api wellno:	31099023270000		
Cnty:	Seneca		
Hole:	02327	Sidetrck:	0
Completion:	0		
Well nm:	Well 7		
Coname:	Phoenix Gas Co.		
Opno:	9517		
Dt approv:	Not Reported	Dt spud:	Not Reported
Dt comp:	Not Reported		
Well typ:	Dry Hole		
Dtd:	0		
Wl status:	UN		
Town:	Seneca Falls	Field:	Seneca Falls
Prodform:	Not Applicable		
Xloc:	-76.80423		
Yloc:	42.9155		
Confid:	Well does not have confidential information.		
Wellst:	Dry Hole		
Quad:	Seneca Falls	Quadsec:	H
Deepestfor:	Medina	Elevation:	470
Dt mod:	Not Reported	Site id:	NYO1031784

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

ENE
1/4 - 1/2 Mile | **OIL_GAS** | **NYO1031718**

Api wellno:	31099023240000		
Cnty:	Seneca		
Hole:	02324	Sidetrck:	0
Completion:	0		
Well nm:	Well 1		
Coname:	Syracuse Alliance Co.		
Opno:	9544		
Dt approv:	Not Reported	Dt spud:	Not Reported
Dt comp:	Not Reported		
Well typ:	Gas Development		
Dtd:	0		
Wl status:	UN		
Town:	Seneca Falls	Field:	Seneca Falls
Prodform:	Medina		
Xloc:	-76.7949		
Yloc:	42.91262		
Confid:	Well does not have confidential information.		
Wellst:	Gas Well		
Quad:	Seneca Falls	Quadsec:	H
Deepestfor:	Medina	Elevation:	470
Dt mod:	Not Reported	Site id:	NYO1031718

SE
1/2 - 1 Mile | **OIL_GAS** | **NYO1031592**

Api wellno:	31099009610000		
Cnty:	Seneca		
Hole:	00961	Sidetrck:	0
Completion:	0		
Well nm:	Wescott Bros 2		
Coname:	Phoenix Gas Co.		
Opno:	9517		
Dt approv:	Not Reported	Dt spud:	Not Reported
Dt comp:	Not Reported		
Well typ:	Gas Development		
Dtd:	2040		
Wl status:	UN		
Town:	Seneca Falls	Field:	Seneca Falls
Prodform:	Medina		
Xloc:	-76.79545		
Yloc:	42.90589		
Confid:	Well does not have confidential information.		
Wellst:	Gas Well		
Quad:	Seneca Falls	Quadsec:	H
Deepestfor:	Medina	Elevation:	450
Dt mod:	Not Reported	Site id:	NYO1031592

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: NY Radon

Radon Test Results

Zip	Num Sites	< 4 Pci/L	>= 4 Pci/L	>= 20 Pci/L	Avg > 4 Pci/L	Max Pci/L
13148	48	43 (89.6%)	5 (10.4%)	0 (0%)	2.39	12.7

Federal EPA Radon Zone for SENECA County: 1

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for SENECA COUNTY, NY

Number of sites tested: 14

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	1.090 pCi/L	88%	12%	0%
Basement	1.940 pCi/L	86%	14%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

New York Public Water Wells
Source: New York Department of Health
Telephone: 518-458-6731

Oil and Gas Well Database
Department of Environmental Conservation
Telephone: 518-402-8056
These files contain records, in the database, of wells that have been drilled.

OTHER STATE DATABASE INFORMATION

RADON

State Database: NY Radon
Source: Department of Health
Telephone: 518-402-7556
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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EDR Historical Topographic Map Report

Seneca Falls Former MGP Site
187 Fall Street
Seneca Falls, NY 13148

Inquiry Number: 1953068.5

June 13, 2007

EDR® Environmental Data Resources Inc

The Standard in Environmental Risk Information

440 Wheelers Farms Rd
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

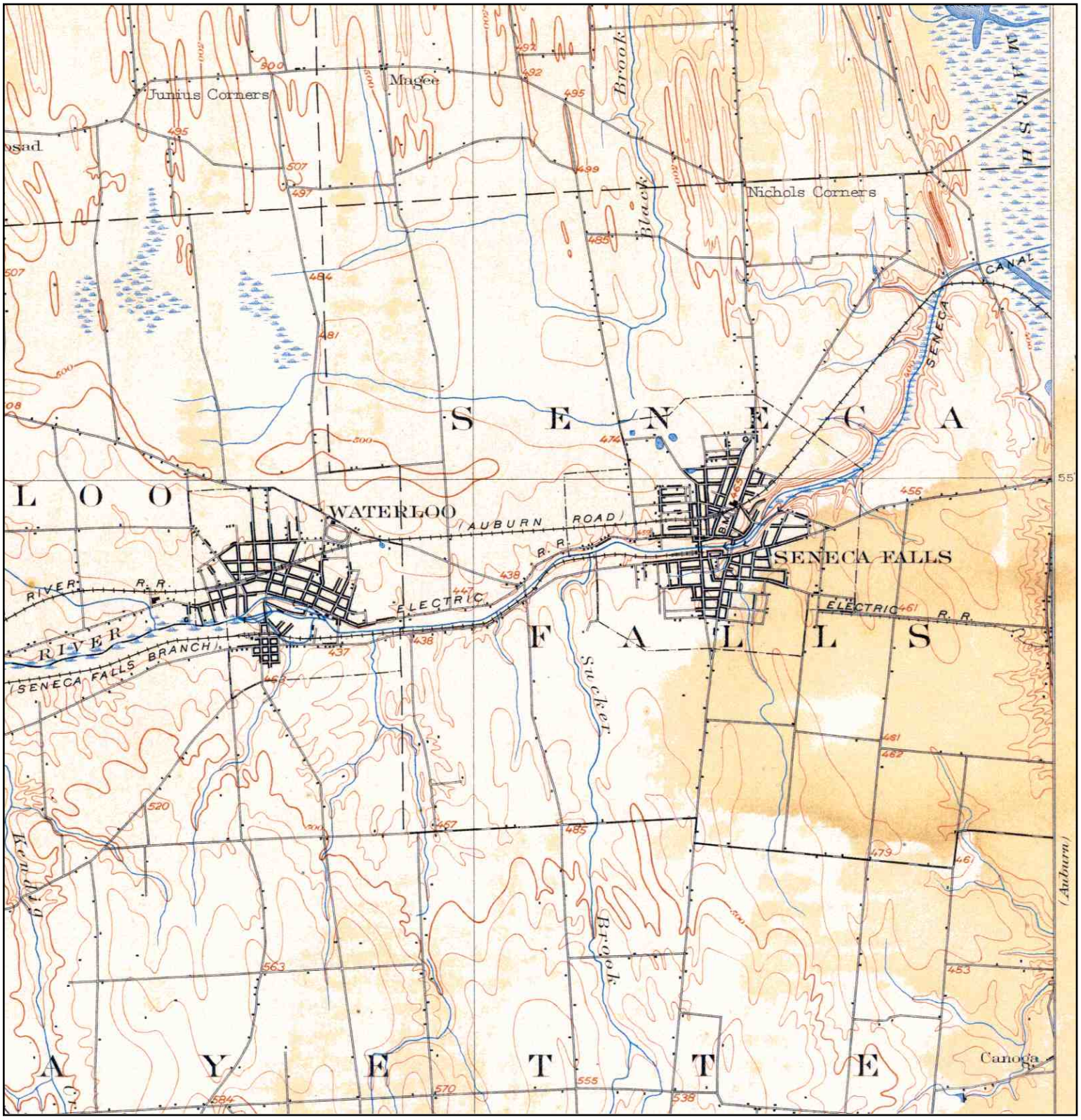
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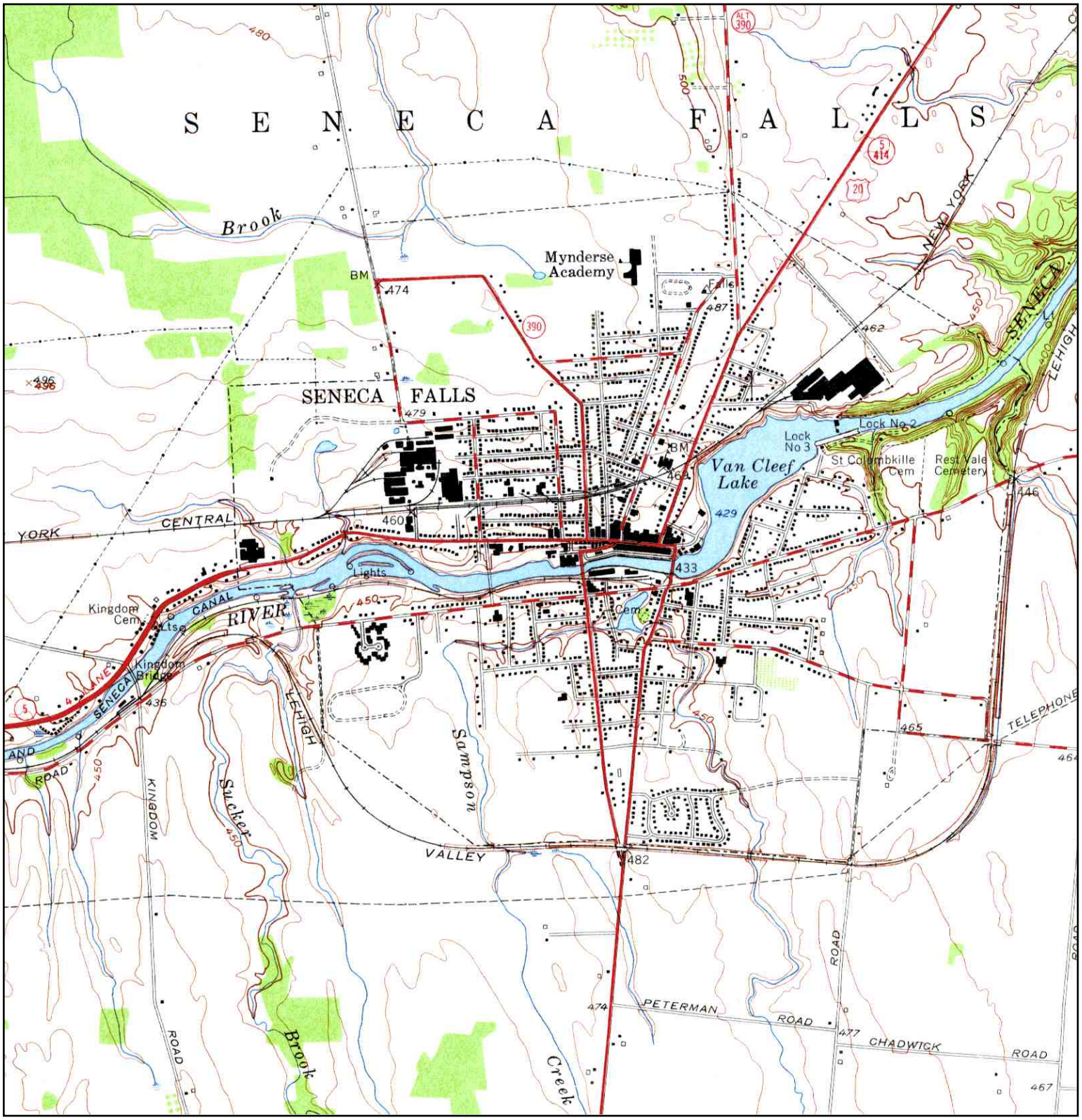
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Historical Topographic Map



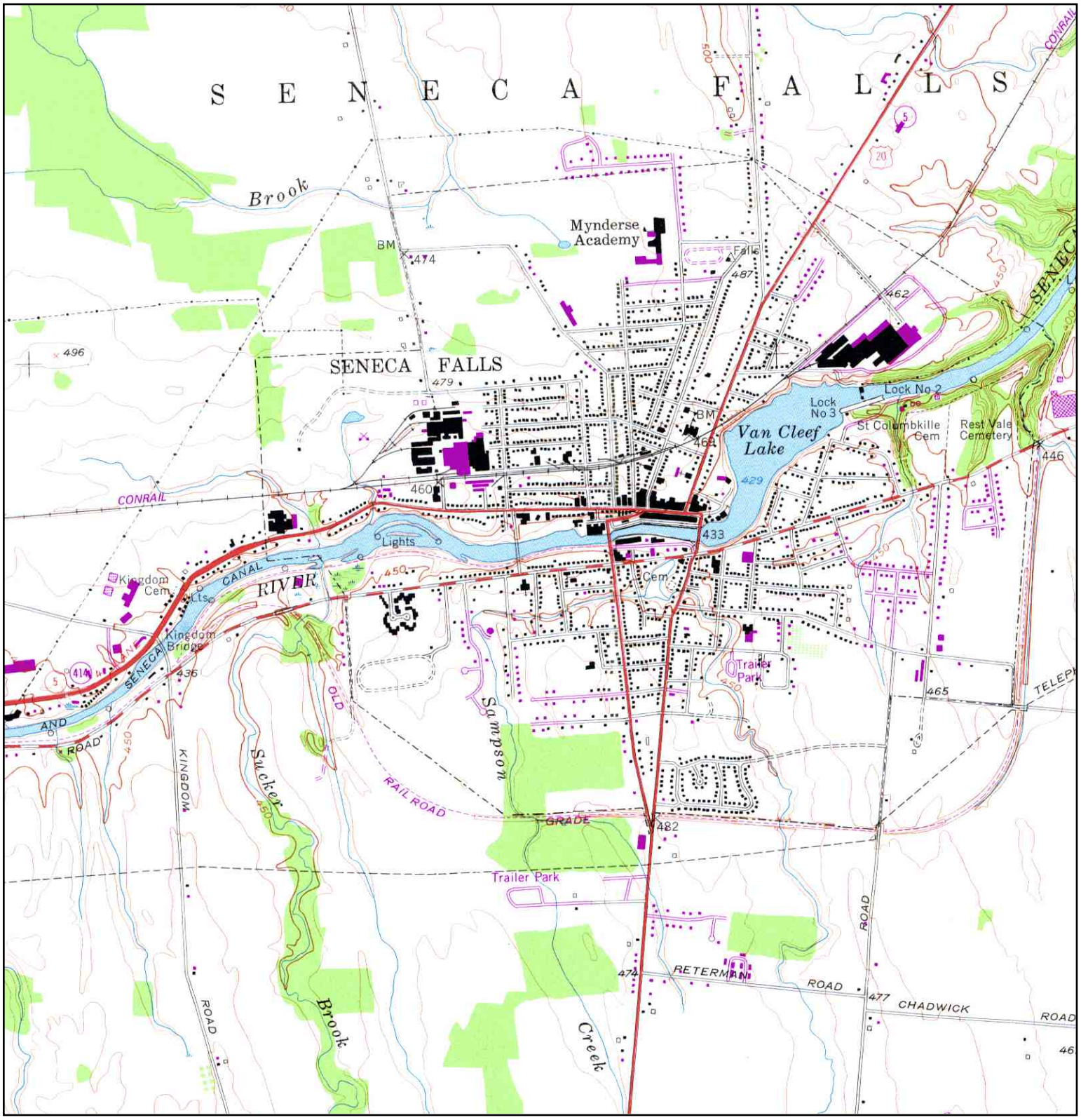
N	TARGET QUAD NAME: GENEVA MAP YEAR: 1902 SERIES: 15 SCALE: 1:62500	SITE NAME: Seneca Falls Former MGP Site ADDRESS: 187 Fall Street Seneca Falls, NY 13148 LAT/LONG: 42.9105 / 76.8041	CLIENT: Haley & Aldrich, Inc. CONTACT: Tina Gross INQUIRY#: 1953068.5 RESEARCH DATE: 06/13/2007

Historical Topographic Map



N	TARGET QUAD NAME: SENECA FALLS MAP YEAR: 1953 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Seneca Falls Former MGP Site ADDRESS: 187 Fall Street Seneca Falls, NY 13148 LAT/LONG: 42.9105 / 76.8041	CLIENT: Haley & Aldrich, Inc. CONTACT: Tina Gross INQUIRY#: 1953068.5 RESEARCH DATE: 06/13/2007

Historical Topographic Map



N	TARGET QUAD NAME: SENECA FALLS MAP YEAR: 1978 PHOTOREVISED FROM:1953 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Seneca Falls Former MGP Site ADDRESS: 187 Fall Street Seneca Falls, NY 13148 LAT/LONG: 42.9105 / 76.8041	CLIENT: Haley & Aldrich, Inc. CONTACT: Tina Gross INQUIRY#: 1953068.5 RESEARCH DATE: 06/13/2007

Certified Sanborn® Map Report

Sanborn® Library search results
Certification # 22B9-44B3-A6C7

Seneca Falls Former MGP Site
187 Fall Street
Seneca Falls, NY 13148

Inquiry Number 1953068.4S

June 14, 2007

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6/14/07

Site Name:
Seneca Falls Former MGP Site
187 Fall Street
Seneca Falls, NY 13148

Client Name:
Haley & Aldrich, Inc.
465 Medford Street
Boston, MA 02129

EDR Inquiry # 1953068.4S

Contact: Tina Gross

EDR® Environmental Data Resources Inc

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Site Name: Seneca Falls Former MGP Site
Address: 187 Fall Street
City, State, Zip: Seneca Falls, NY 13148
Cross Street:
P.O. # 34507-001
Project: Seneca Falls Fo
Certification # 22B9-44B3-A6C7

Sanborn® Library search results
Certification # 22B9-44B3-A6C7

Maps Identified - Number of maps indicated within "( )"

1959 (1)	1897 (1)
1944 (1)	1892 (1)
1925 (1)	1886 (1)
1916 (1)	
1911 (1)	
1904 (1)	

Total Maps: 9

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
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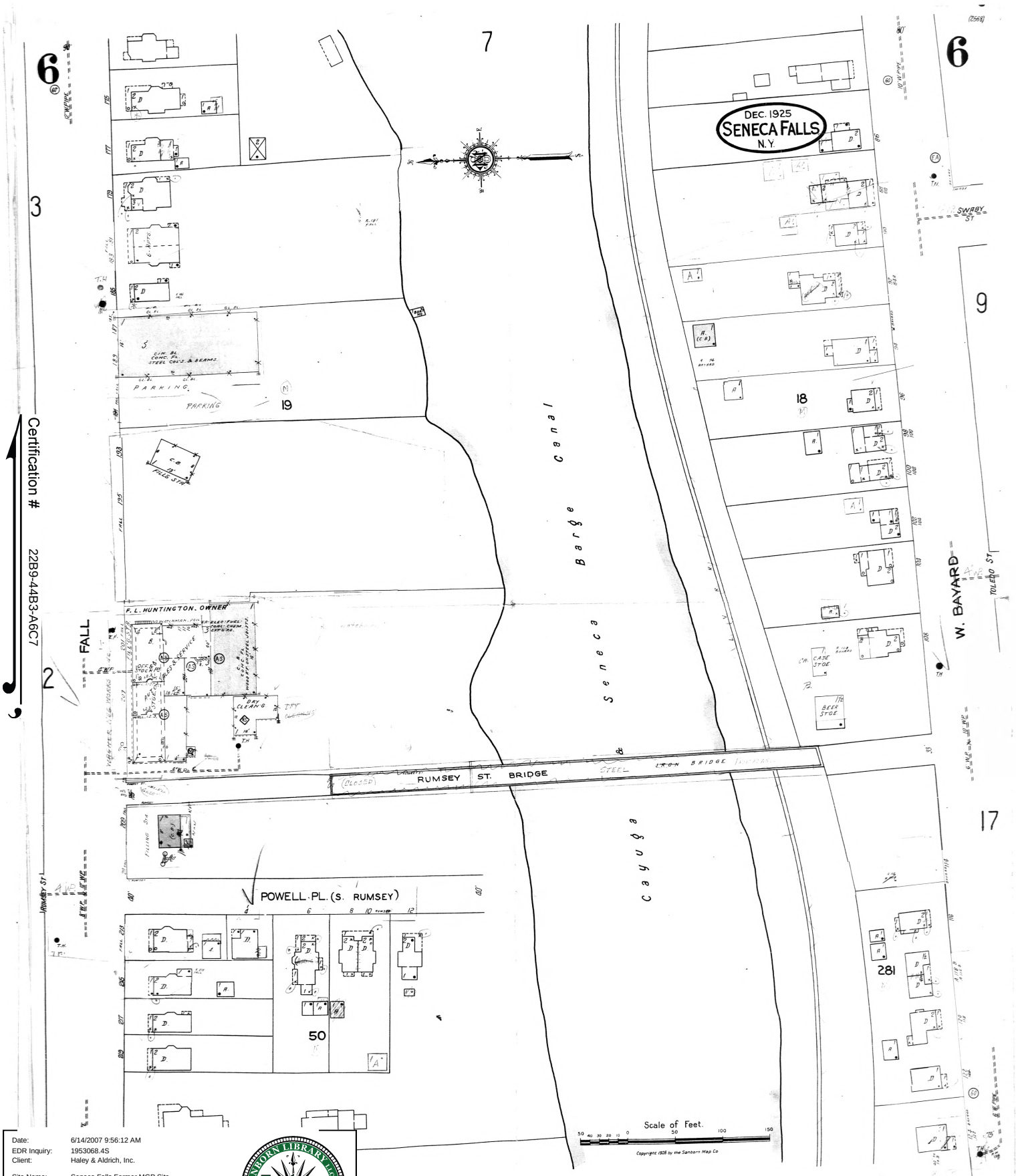
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Certification # 22B9-44B3-A6C7

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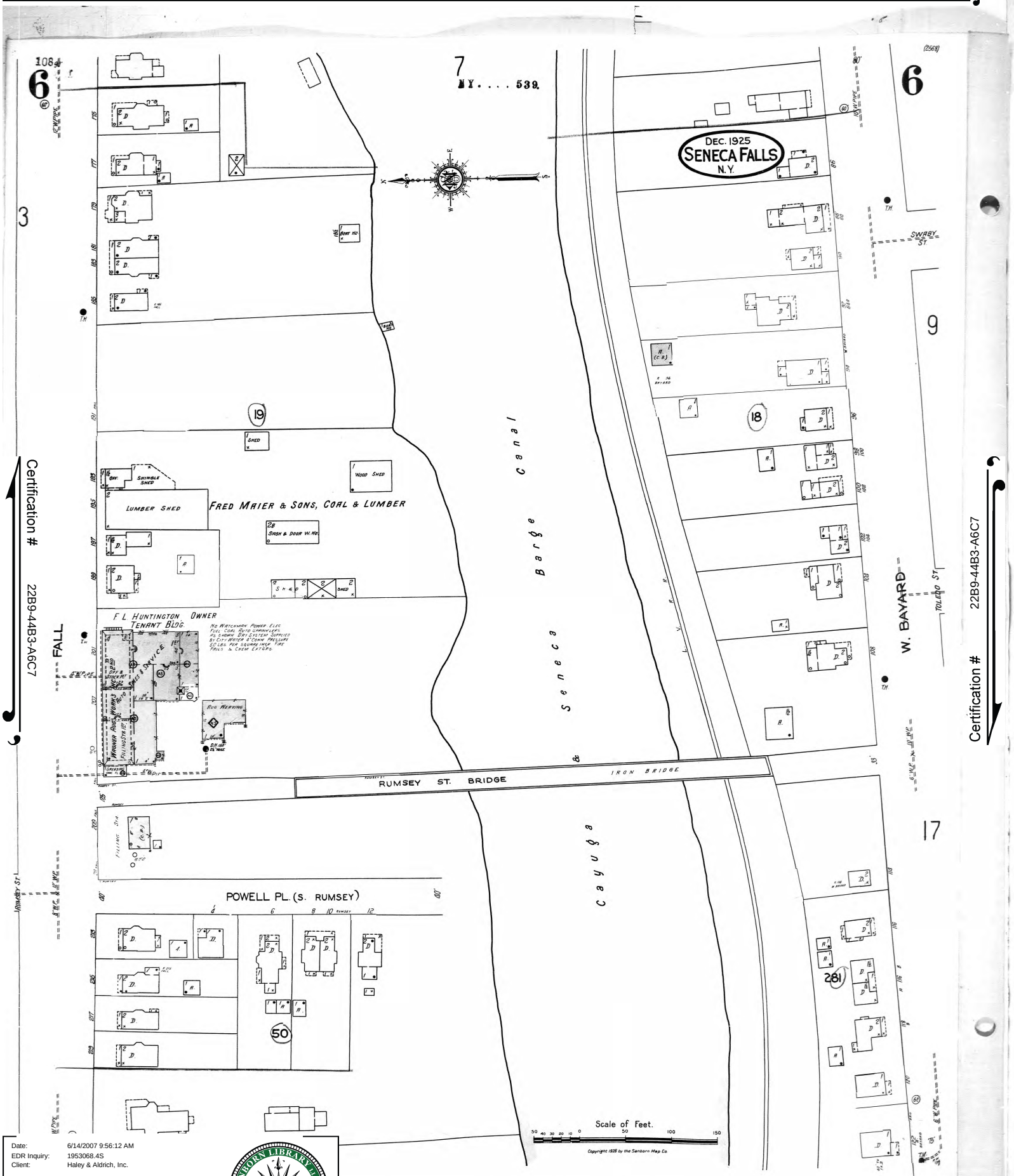
Site Name: Seneca Falls Former MGP Site
Address: 187 Fall Street

City, ST, ZIP: Seneca Falls NY 13148
Certification # 22B9-44B3-A6C7

Research Associate: MJP Copyright: 1959

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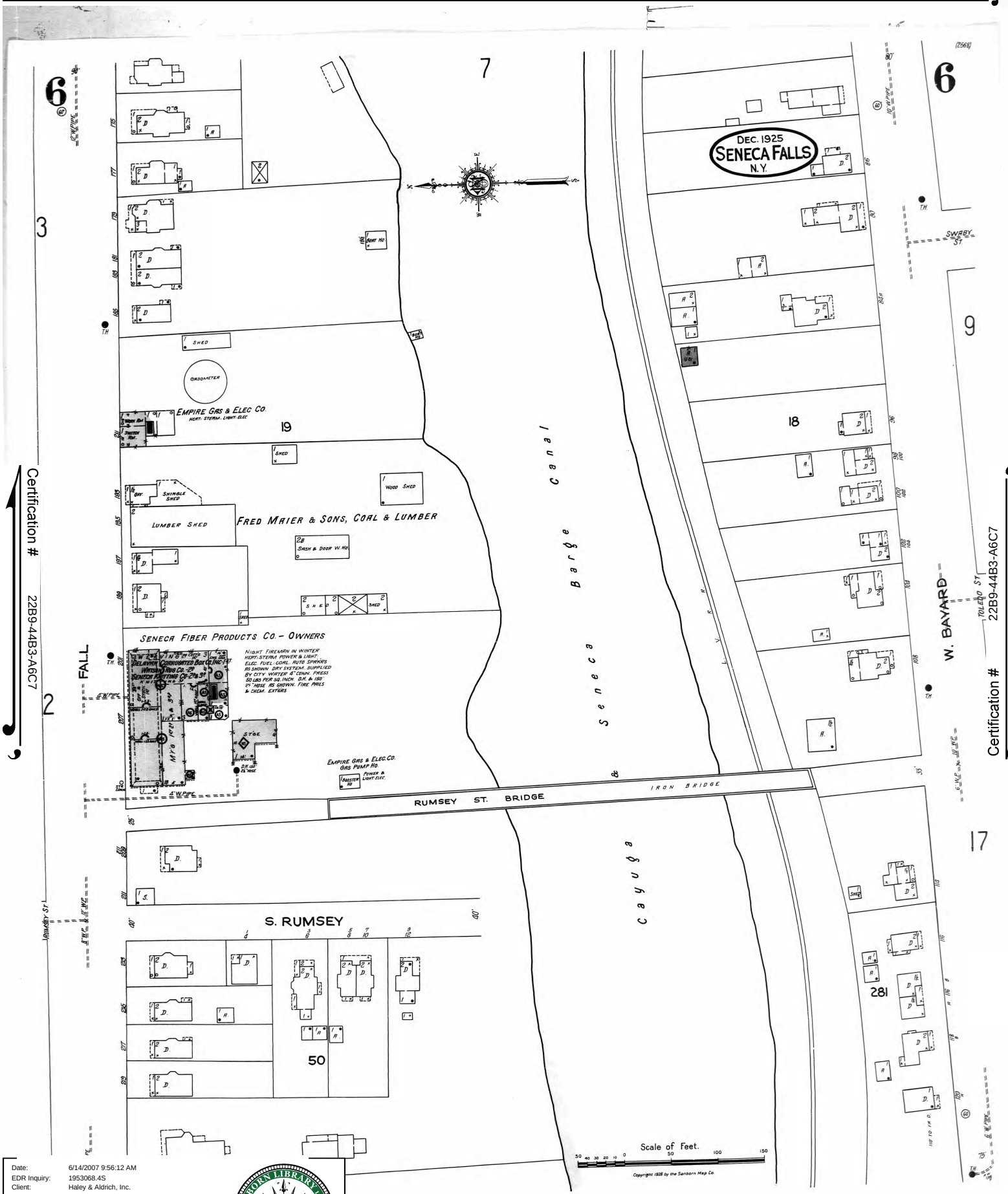
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EDR Inquiry: 1953068.4S
Client: Haley & Aldrich, Inc.

Site Name: Seneca Falls Former MGP Site
Address: 187 Fall Street

City, ST, ZIP: Seneca Falls NY 13148
Certification # 22B9-44B3-A6C7

Research Associate: MJP Copyright: 1944

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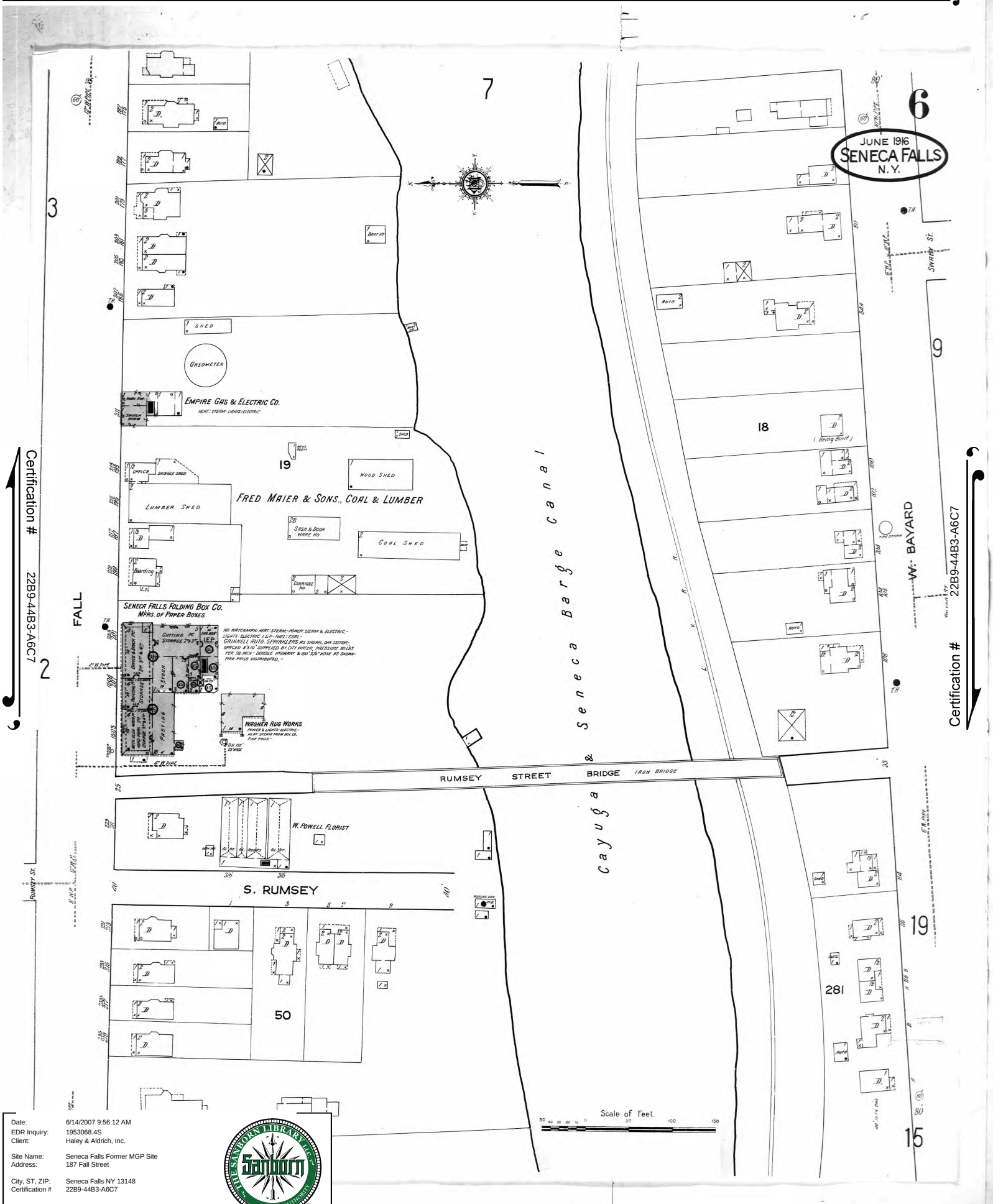
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Client: Haley & Aldrich, Inc.

Site Name: Seneca Falls Former MGP Site
Address: 187 Fall Street

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Research Associate: MJP Copyright: 1925

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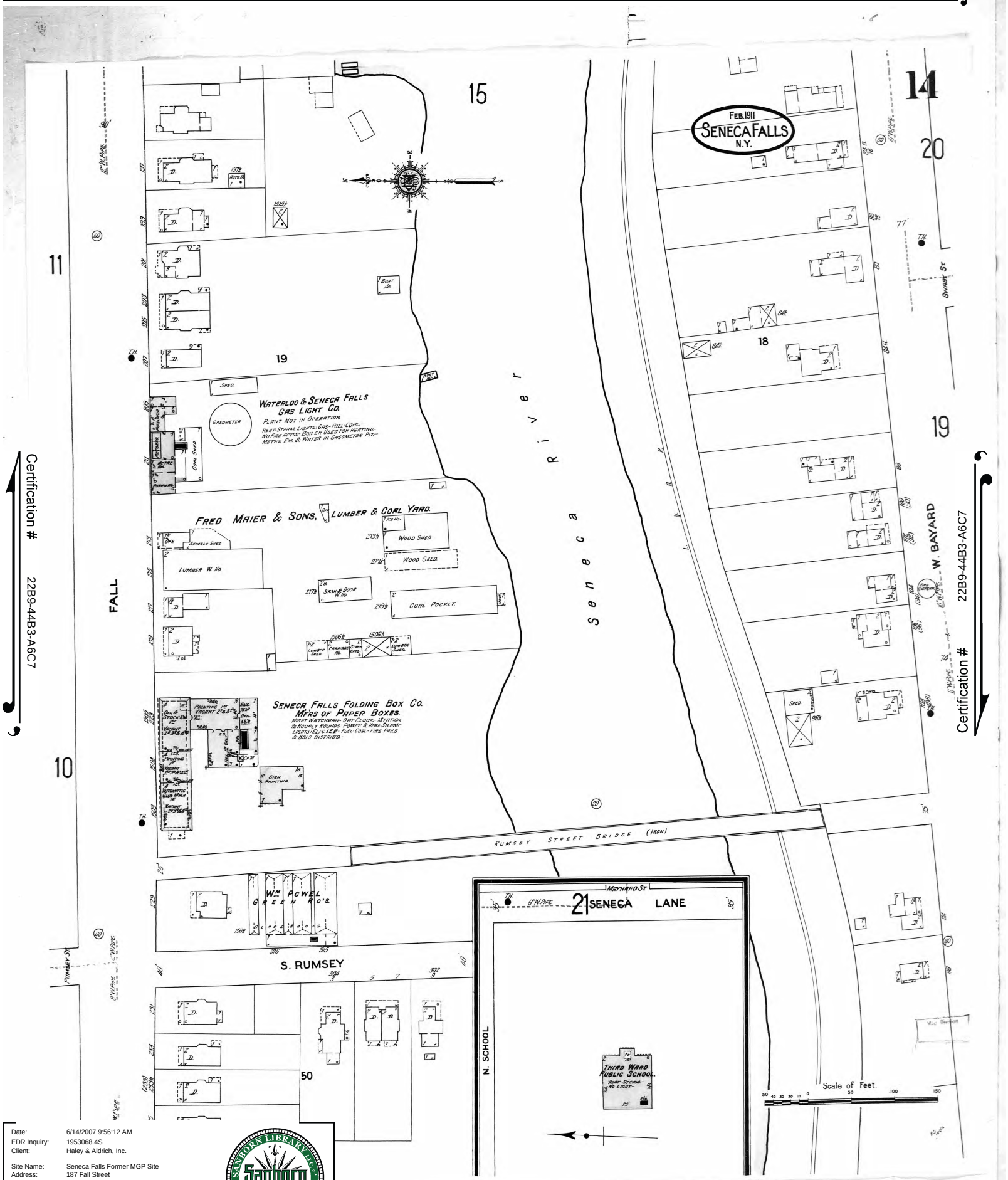
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Address: 187 Fall Street

City, ST, ZIP: Seneca Falls NY 13148
Certification # 22B9-44B3-A6C7

Research Associate: MJP

Copyright: 1916

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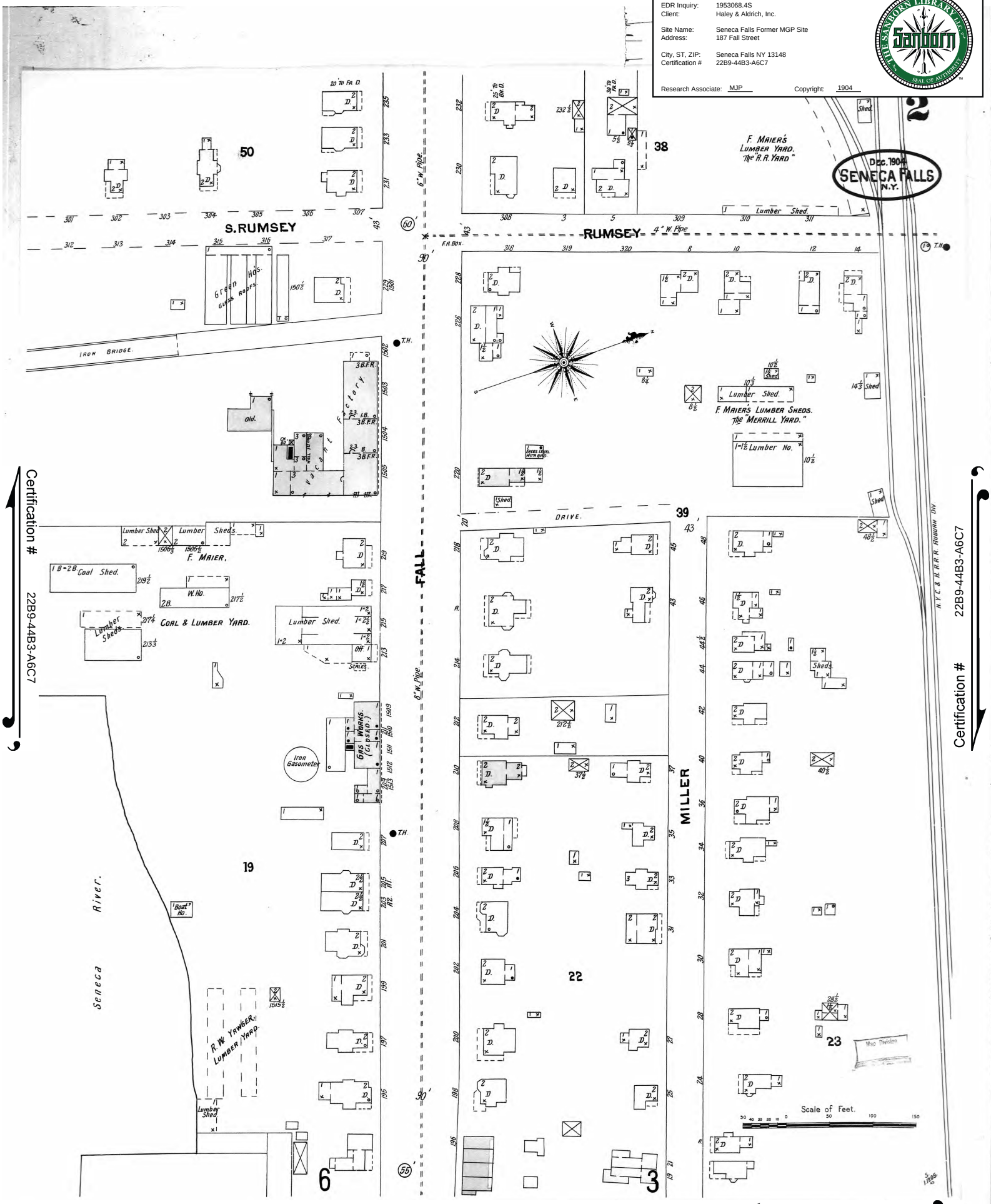
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Address: 187 Fall Street

City, ST, ZIP: Seneca Falls NY 13148
Certification # 22B9-44B3-A6C7

Research Associate: MJP

Copyright: 1911

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Site Name: Seneca Falls Former MGP Site
Address: 187 Fall Street
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Certification # 22B9-44B3-A6C7
Research Associate: MJP
Copyright: 1904



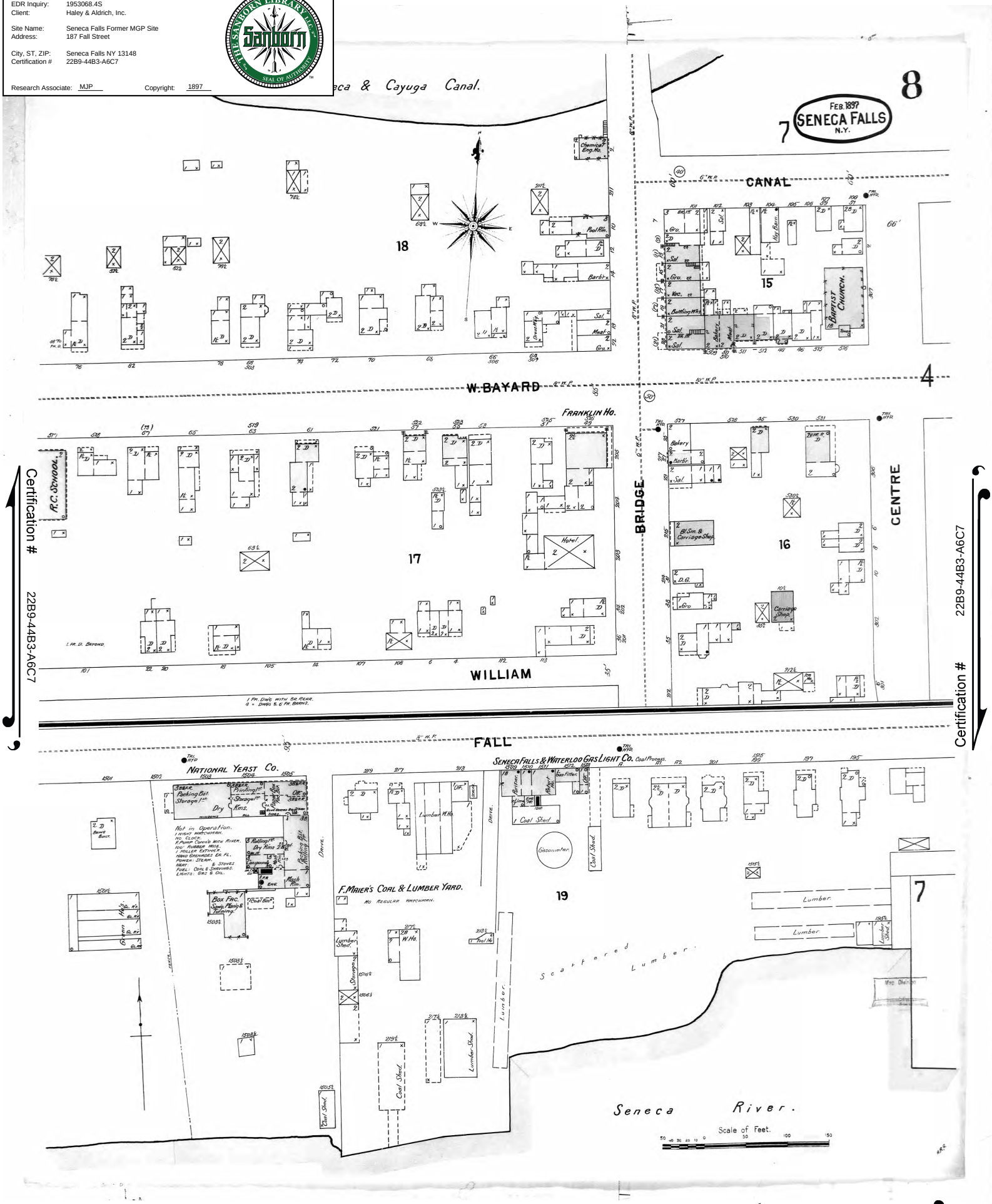
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City, ST, ZIP: Seneca Falls NY 13148
Certification # 22B9-44B3-A6C7

Research Associate: MJP Copyright: 1897



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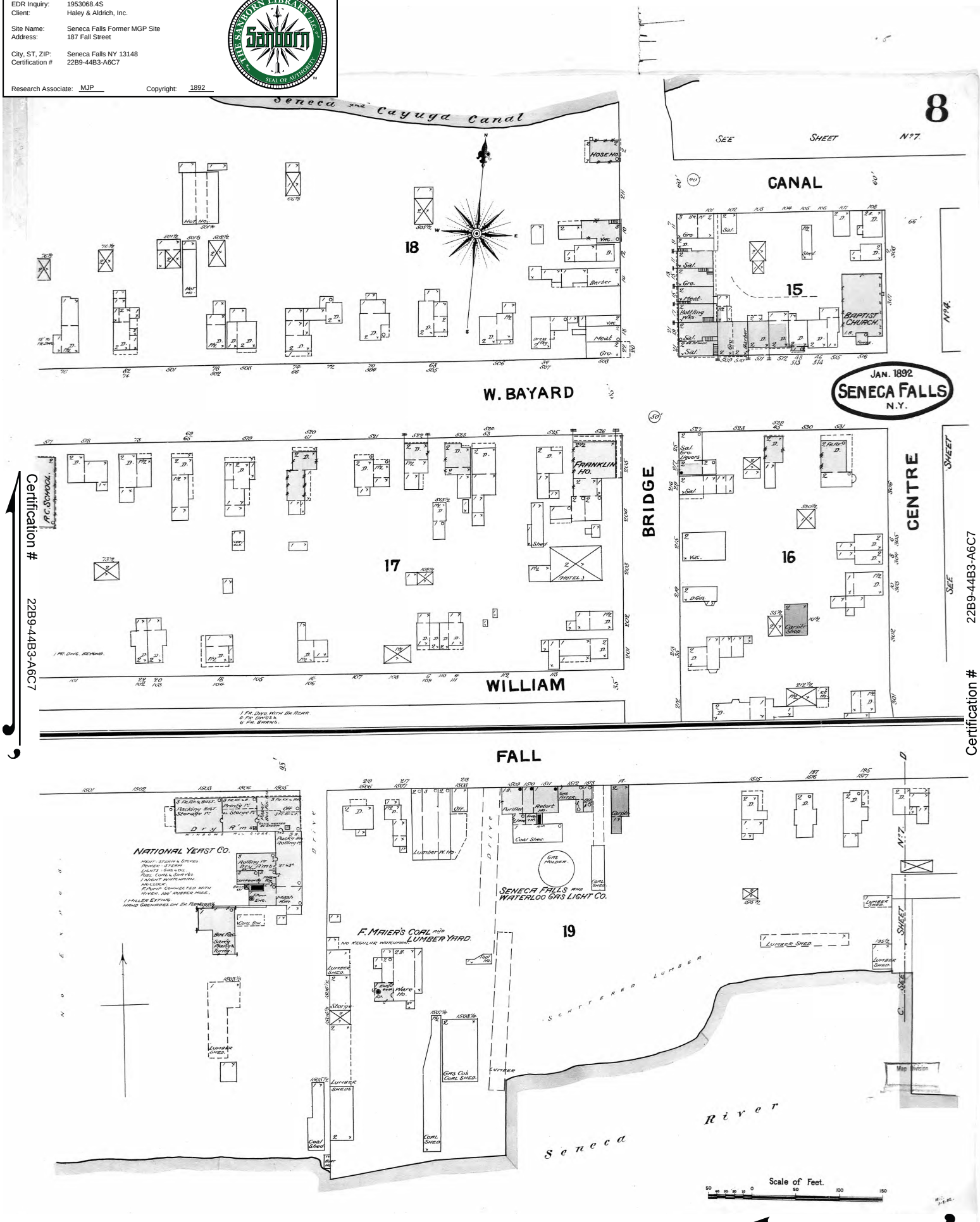
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Address: 187 Fall Street

City, ST, ZIP: Seneca Falls NY 13148
Certification # 22B9-44B3-A6C7

Research Associate: MJP Copyright: 1892



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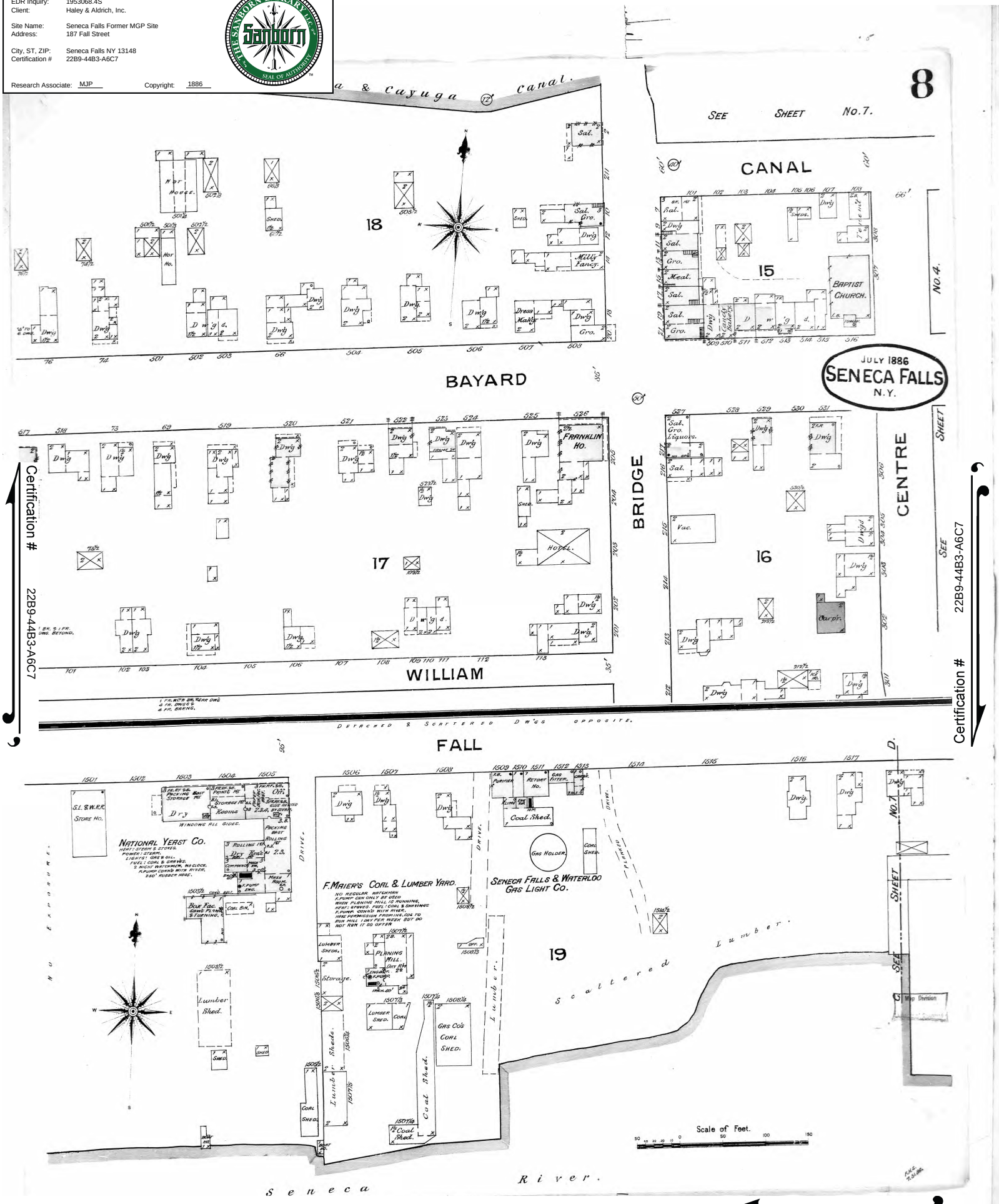
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Client: Haley & Aldrich, Inc.

Site Name: Seneca Falls Former MGP Site
Address: 187 Fall Street

City, ST, ZIP: Seneca Falls NY 13148
Certification # 22B9-44B3-A6C7

Research Associate: MJP Copyright: 1886

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APPENDIX B

Test Pit, Soil Boring, Sediment, and Monitoring Well Construction Logs

HALEY & ALDRICH

ENVIRONMENTAL TEST PIT LOG

Test Pit No. TP-07-01

Project	SENECA FALLS FORMER MGP SITE	**File No.**	34507-002
Location	SENECA FALLS, NEW YORK	**H&A Rep**	T. Gross
Client	NYSEG	**Date**	9/20/2007
Contractor	PARRATT - WOLFF	**Weather**	70°, Sunny
Equipment Used	Deere 1200		

Ground El.: 456.5 **El. Datum:** NAVD 1988 | **Location:** See Plan | **Groundwater depths/entry rates (in./min.):**

Depth (ft)	Photo No.	PID Reading (ppm)	Stratum Change Elev./ Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)
0					ASPHALT & SUBBASE (medium coarse angular gravel)
			455.8 0.7		Medium dense/stiff SILT, some cinders and coal pieces and fragments, little coarse to fine sand, coarse to fine gravel, moderate MGP-type odor, dry
					-FILL-
2		5.9			
					Band (approximately 0.3 ft thick) of maroon-colored staining from 3.2 to 3.5 ft bgs. In south end of test pit (5' ft south-most): Red bricks, dry
4		1.1			In north end of test pit: Medium dense partially decomposed wood fibers and clay, dark brownish-black, rotten egg-type odor *possible purifier-type waste*.
		146			
		5.8			Loose to medium dense orangish-brown SILT, some decomposed tan brick, trace coarse to fine sand, dry to moist
6					In south end of test pit: Wood planks (laid flat and oriented E-W), with little hardened tar (10% surface). Water trickling into south end of test pit at 6.0 ft bgs, heavy rainbow sheen visible (approximately 50-75% surface), dark bown NAPL blobs (up to approximately 1/2 in. in diameter) floating on water (approximately 10% of surface).
			449.5 7.0		In northwest end of test pit: Dense orangish-brown SILT, little coarse gravel to coarse sand, dry
		301			In south end of test pit: Medium dense grayish-brown silty coarse to fine gravel, few coal fragments, strong MGP-type odor, heavy rainbow sheen, some brown NAPL blobs/specks throughout, wet
8					
			448.0 8.5		At 8.5 ft: Density of material changes. Excavator not easily able to penetrate. Terminated south end of test pit at 8.5 ft bgs.
					-GLACIAL TILL-
10					
		25.6	445.2 11.3		NORTH END OF TEST PIT TERMINATED AT 11.3 FT BGS.
12					Note: Backfilled to grade.
14					

Bucket Decontamination Method:

Remarks:

Field Tests

Dilatancy	R - Rapid S - Slow N - None
Toughness	L - Low M - Medium H - High
Plasticity	N - Nonplastic L - Low M - Medium H - High
Dry Strength	N - None L - Low M - Medium H - High V - Very High

Standing Water in Completed Pit

at depth ft
measured after - hours elapsed

Boulders

Diameter (in.)	Number	Approx. Vol. (cu.ft)
12 to 24	-	= -
over 24	-	= -

Test Pit Dimensions (ft)

Pit Length x Width (ft) See Sketch
Pit Depth (ft) 11.3

NOTE: Soil identification based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

HA TESTPIT-07-01 33398 ENVIRONMENTAL HA-LIB07-1-34507.GLB HA-TP07-1.GDT G:\34507_SENECAFALLS\002FIELD DATA\34507-002_TP.GPJ Jul 29, 08

HALEY & ALDRICH

ENVIRONMENTAL TEST PIT LOG

Test Pit No. TP-07-02

Project	SENECA FALLS FORMER MGP SITE	**File No.**	34507-002
Location	SENECA FALLS, NEW YORK	**H&A Rep**	T. Gross
Client	NYSEG	**Date**	9/19/2007
Contractor	PARRATT - WOLFF	**Weather**	71°, Sunny
Equipment Used	Deere 1200		

Ground El.: 456.7 **El. Datum:** NAVD 1988 | **Location:** See Plan | **Groundwater depths/entry rates (in./min.):**

Depth (ft)	Photo No.	PID Reading (ppm)	Stratum Change Elev./ Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)
0					ASPHALT and SUBBASE
		2.5			Medium dense to dense orangish-brown SILT, little sand and coarse gravel, moist
					Note: Encountered 1.0-in. diameter pipe (oriented east to west) at 1.5 ft bgs.
2					
4					Red brick, little concrete blocks
					Concrete blocks (approximately 0.4 ft thick, up to 2.0 ft in diameter) with rebar in south end of test pit, steel bar (approximately 10.0 ft x 2.0 in.). Blocks oriented east to west, apparent wall. Apparent "teeth" on block oriented up and down (outside wall/siding?)
6					Little to trace slag
8		150			Black staining (possible tarry area) 7.6 to 8.0 ft bgs, discontinuous, approximately 4.0 ft wide north to south, strong MGP-type odor, coarse to fine gravel clumped together by very sticky partially hardened tar, little coarse to fine sand in orangish brown coarse to fine sandy silt, moist. Base of wall at 8.0 bgs. Wall approximately 10.0 ft from northeast corner, approximately 1.5 to 2.0 ft thick. Encountered a pipe (approximately 2.0 in. diameter) at 8.0 bgs, oriented east to west.
					-FILL-
10		25	446.7 10.0		Very dense orangish brown SILT, little medium to fine rounded gravel, moist, no odor
					-GLACIAL TILL-
12					
			443.7 13.0		TEST PIT TERMINATED AT 13.0 FT BGS
14					

Bucket Decontamination Method:

Remarks:

Field Tests

Dilatancy	R - Rapid S - Slow N - None
Toughness	L - Low M - Medium H - High
Plasticity	N - Nonplastic L - Low M - Medium H - High
Dry Strength	N - None L - Low M - Medium H - High V - Very High

Standing Water in Completed Pit

at depth ft
measured after - hours elapsed

Boulders

Diameter (in.)	Number	Approx. Vol. (cu.ft)
12 to 24	-	= -
over 24	-	= -

Test Pit Dimensions (ft)

Pit Length x Width (ft) 6.0 x 11.0
Pit Depth (ft) 13.0

NOTE: Soil identification based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

HA TESTPIT-07-01 33398 ENVIRONMENTAL HA-LIB07-1-34507.GLB HA-TP07-1.GDT G:\34507_SENECAFALLS\002FIELD DATA\34507-002_TP.GPJ Jul 29, 08

HALEY & ALDRICH

ENVIRONMENTAL TEST PIT LOG

Test Pit No. TP-07-03N

Project	SENECA FALLS FORMER MGP SITE
Location	SENECA FALLS, NEW YORK
Client	NYSEG
Contractor	PARRATT - WOLFF
Equipment Used	Deere 1200

File No.	34507-002
H&A Rep	T. Gross
Date	9/19/2007
Weather	60°, Sunny

Ground El.: 456.7 **El. Datum:** NAVD 1988 | **Location:** See Plan | **Groundwater depths/entry rates (in./min.):**

Depth (ft)	Photo No.	PID Reading (ppm)	Stratum Change Elev./ Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)
0					
2					Building debris, shale/limestone blocks (to 4.4 ft), red bricks, and decomposed red brick (to 6.0 ft) -FILL-
4					
6		0.0	450.7 6.0		Excavator encountered resistance, possible bottom/floor of structure
8		0.0			Below 6.0 ft: Very dense medium orangish brown SILT, little coarse sand, fine gravel, moist -GLACIAL TILL-
10					
12		0.0	444.7 12.0		TEST PIT TERMINATED AT 12.0 FT BGS. Note: Backfilled to grade.
14					

Bucket Decontamination Method:

Remarks:

Field Tests

Dilatancy	R - Rapid S - Slow N - None
Toughness	L - Low M - Medium H - High
Plasticity	N - Nonplastic L - Low M - Medium H - High
Dry Strength	N - None L - Low M - Medium H - High V - Very High

Standing Water in Completed Pit

at depth ft
measured after - hours elapsed

Boulders

Diameter (in.)	Number	Approx. Vol. (cu.ft)
12 to 24	-	= -
over 24	-	= -

Test Pit Dimensions (ft)

Pit Length x Width (ft) 3.4 x 12.5
Pit Depth (ft) 12.0

NOTE: Soil identification based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

HA TESTPIT-07-01 33398 ENVIRONMENTAL HA-LIB07-1-34507.GLB HA-TP07-1.GDT G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_TP.GPJ Jul 29, 08

HALEY & ALDRICH

ENVIRONMENTAL TEST PIT LOG

Test Pit No. TP-07-03S

Project	SENECA FALLS FORMER MGP SITE
Location	SENECA FALLS, NEW YORK
Client	NYSEG
Contractor	PARRATT - WOLFF
Equipment Used	Deere 1200

File No.	34507-002
H&A Rep	T. Gross
Date	9/19/2007
Weather	60°, Sunny

Ground El.: 456.7 **El. Datum:** NAVD 1988 | **Location:** See Plan | **Groundwater depths/entry rates (in./min.):**

Depth (ft)	Photo No.	PID Reading (ppm)	Stratum Change Elev./ Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)
0					ASPHALT AND SUBBASE (gray angular gravel)
1					Loose medium brown coarse to fine SAND, little silt, trace fine gravel, moist
2		0.0			-FILL-
3					Medium dense brown SILT, fine sand, moist Note: Encountered 8.0-in. diameter steel pipe, oriented east to west at 3.0 ft bgs, south of the north end of the test pit
4		1.8			At 4.1 ft bgs: 8.0-in. diameter, east to west, in north end of extended trench, broken, strong gasoline odor when first broke, odor quickly disappated, liquid dripping out of both ends of pipe, wet around pipe, slight rainbow sheen. Apparent red brick wall 3.0 ft north of pipe, running east to west
5		0.0			Medium orangish brown SILT around pipe starting at 4.0 ft bgs Note: Encountered 8.0-in. diameter steel pipe, oriented east to west, at 5.0 ft bgs at norh end of test pit. Extend test pit north.
6					Loose medium dense (crumbly) fine sandy SILT, little fine gravel, dry to moist
7					

Bucket Decontamination Method:

Remarks:

Field Tests

Dilatancy	R - Rapid S - Slow N - None
Toughness	L - Low M - Medium H - High
Plasticity	N - Nonplastic L - Low M - Medium H - High
Dry Strength	N - None L - Low M - Medium H - High V - Very High

Standing Water in Completed Pit

at depth ft
measured after - hours elapsed

Boulders

Diameter (in.)	Number	Approx. Vol. (cu.ft)
12 to 24	-	= -
over 24	-	= -

Test Pit Dimensions (ft)

Pit Length x Width (ft)
Pit Depth (ft) 5.2

NOTE: Soil identification based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

HA TESTPIT-07-01 33398 ENVIRONMENTAL HA-LIB07-1-34507.GLB HA-TP07-1.GDT G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_TP.GPJ Jul 29, 08

HALEY & ALDRICH

ENVIRONMENTAL TEST PIT LOG

Test Pit No. TP-07-03S

Page No. 2

Depth (ft)	Photo No.	PID Reading (ppm)	Stratum Change Elev./ Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)
8					-FILL-
9			447.7 9.0		At 9.0 ft: Trace slate fragments. Maximum depth that can be reached between pipe and wall. Extend test pit north beyond wall. Wall 5.2 ft north of original north out of test pit. Final test pit 17.0 ft x 3.0 ft, to corner of building
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					

NOTE: Soil identification based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

HA TESTPIT-07-01 33398 ENVIRONMENTAL HA-LIB07-1-34507.GLB HA-TP07-1.GDT G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_TP.GPJ Jul 29, 08

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ENVIRONMENTAL TEST PIT LOG

Test Pit No. TP-07-04

Project	SENECA FALLS FORMER MGP SITE
Location	SENECA FALLS, NEW YORK
Client	NYSEG
Contractor	PARRATT - WOLFF
Equipment Used	Deere 1200
File No.	34507-002
H&A Rep	T. Gross
Date	9/21/2007
Weather	70°, Sunny

Ground El.: 431.4 ft
El. Datum: NAVD 1988
Location: See Plan
Groundwater depths/entry rates (in./min.): 11.0 ft, <0.5 in./min - trickle

Depth (ft)	Photo No.	PID Reading (ppm)	Stratum Change Elev./ Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)
0					Loose dark brown SILT, little coarse to fine sand and cinders, dry
					-FILL-
		0.0	430.4 1.0		Loose dark brown SILT and ORGANICS, dry, some black staining in west end of test pit, few silt and hardened tar chuncks (up to 0.8 ft diameter)
2			429.4 2.0		Medium dense orangish brown SILT and fine SAND, moist, pockets of black staining (up to 2.0 in. diameter) throughout
4		0.0			
			426.4 5.0		Loose to medium dense grayish brown SILT and fine SAND, moist, few pockets (up to 2.0 in. diameter) of black staining throughout, weak MGP-type odor, few large shale/limestone blocks throughout
6					Unstable, sidewalls collapsing
8					
		0.0			
10					
			420.4 11.0		REFUSAL AT 11.0 FT BGS
12					Note: Refusal on likely bedrock. Water trickling into pit. Backfilled to grade.
14					

Bucket Decontamination Method:

Remarks:

Field Tests

Dilatancy	R - Rapid S - Slow N - None
Toughness	L - Low M - Medium H - High
Plasticity	N - Nonplastic L - Low M - Medium H - High
Dry Strength	N - None L - Low M - Medium H - High V - Very High

Standing Water in Completed Pit

at depth ft
measured after - hours elapsed

Boulders

Diameter (in.)	Number	Approx. Vol. (cu.ft)
12 to 24	-	= -
over 24	-	= -

Test Pit Dimensions (ft)

Pit Length x Width (ft) 17.0 x 4.0
Pit Depth (ft) 11.0

NOTE: Soil identification based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

HA TESTPIT-07-01 33398 ENVIRONMENTAL HA-LIB07-1-34507.GLB HA-TP07-1.GDT G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_TP.GPJ Jul 29, 08

HALEY & ALDRICH

ENVIRONMENTAL TEST PIT LOG

Test Pit No. TP-07-05

Project	SENECA FALLS FORMER MGP SITE	**File No.**	34507-002
Location	SENECA FALLS, NEW YORK	**H&A Rep**	T. Gross
Client	NYSEG	**Date**	9/20/2007
Contractor	PARRATT - WOLFF	**Weather**	80°, Sunny
Equipment Used	Deere 1200		

Ground El.: 432.4 **El. Datum:** NAVD 1988 | **Location:** See Plan | **Groundwater depths/entry rates (in./min.):** No Water

Depth (ft)	Photo No.	PID Reading (ppm)	Stratum Change Elev./ Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)
0					Loose dark brown SILT, little coarse sand, organics, cinders, dry -TOPSOIL-
			431.9 0.5		Loose orangish brown fine sandy SILT, little coarse to fine gravel, trace rock (shale or limestone) blocks (approximately 1.5 ft x 1.0 ft x 1.0 ft), and wood (0.5 - 1.5 ft long) containing residual TLM and dark staining, weak mothball-like odor, dry
1					
2					
3		0.0			
4					Trace tan brick pieces at 4.0 ft bgs -FILL-
5		32.6	427.4 5.0		Very dense light orangish brown silty fine SAND, little fine gravel to coarse sand, trace rootlets, some of which appear to have been replaced by hardened TLM creating tubes/straws of TLM, dry -TILL-
6			426.4 6.0		REFUSAL AT 6.0 FT BGS Note: Refusal on likely bedrock. Backfilled to grade.
7					

Bucket Decontamination Method:

Remarks:

Field Tests

Dilatancy R - Rapid S - Slow N - None
Toughness L - Low M - Medium H - High
Plasticity N - Nonplastic L - Low M - Medium H - High
Dry Strength N - None L - Low M - Medium H - High V - Very High

Standing Water in Completed Pit

at depth No Water ft
measured after - hours elapsed

Boulders

Diameter (in.)	Number	Approx. Vol. (cu.ft)
12 to 24	-	= -
over 24	-	= -

Test Pit Dimensions (ft)

Pit Length x Width (ft) 13.0 x 14.0
Pit Depth (ft) 6.0

NOTE: Soil identification based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

HA TESTPIT-07-01 33398 ENVIRONMENTAL HA-LIB07-1-34507.GLB HA-TP07-1.GDT P:\34507_SENECAFALLS\002\FIELD DATA\34507-002_TP.GPJ Mar 11, 13

HALEY & ALDRICH

ENVIRONMENTAL TEST PIT LOG

Test Pit No. TP-07-06

Project	SENECA FALLS FORMER MGP SITE
Location	SENECA FALLS, NEW YORK
Client	NYSEG
Contractor	PARRATT - WOLFF
Equipment Used	Deere 1200
File No.	34507-002
H&A Rep	T. Gross
Date	9/20/2007
Weather	80°, Sunny

Ground El.: 432.9 **El. Datum:** NAVD 1988 | **Location:** See Plan | **Groundwater depths/entry rates (in./min.):** No Water

Depth (ft)	Photo No.	PID Reading (ppm)	Stratum Change Elev./ Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)
0					Loose dark brown SILT, little cinders, organics, coarse to fine gravel, dry
					-TOPSOIL-
		0.0	431.9 1.0		Loose brown coarse to fine sandy SILT, trace fine gravel, dry
2					Note: Encountered wood planks, oriented north to south, at 2.0 ft.
4		29.1			Note: Encountered a pocket of heavy black staining at 4.5 to 5.5 ft bgs in the south end of the test pit - hardened TLM in matrix of sandy silt, moderate to strong mothball-like odor. Few fragments of hardened TLM at 5.5 bgs.
6		5.0			-FILL-
8			424.9 8.0		REFUSAL AT 8.0 FT BGS
					Note: Refusal on likely bedrock.
10					
12					
14					

Bucket Decontamination Method:

Remarks:

Field Tests

Dilatancy	R - Rapid S - Slow N - None
Toughness	L - Low M - Medium H - High
Plasticity	N - Nonplastic L - Low M - Medium H - High
Dry Strength	N - None L - Low M - Medium H - High V - Very High

Standing Water in Completed Pit

at depth No Water ft
measured after - hours elapsed

Boulders

Diameter (in.)	Number	Approx. Vol. (cu.ft)
12 to 24	-	= -
over 24	-	= -

Test Pit Dimensions (ft)

Pit Length x Width (ft) 21.0 x 3.0
Pit Depth (ft) 8.0

NOTE: Soil identification based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

HA TESTPIT-07-01 33398 ENVIRONMENTAL HA-LIB07-1-34507.GLB HA-TP07-1.GDT G:\34507_SENECAFALLS\002FIELD DATA\34507-002_TP.GPJ Jul 29, 08

HALEY & ALDRICH

ENVIRONMENTAL TEST PIT LOG

Test Pit No. TP-07-07

Project	SENECA FALLS FORMER MGP SITE	**File No.**	34507-002
Location	SENECA FALLS, NEW YORK	**H&A Rep**	T. Gross
Client	NYSEG	**Date**	9/18/2007
Contractor	PARRATT - WOLFF	**Weather**	70°, Sunny
Equipment Used	Deere 1200		

Ground El.: 433.7 **El. Datum:** NAVD 1988 | **Location:** See Plan | **Groundwater depths/entry rates (in./min.):**

Depth (ft)	Photo No.	PID Reading (ppm)	Stratum Change Elev./ Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)
0		0.0			Loose medium dense tan to light brown SILT, some fine gravel to coarse sand, pockets (approximately 0.4 ft diameter) of clay, trace cobbles, dry, dry clay/weathered limestone is friable
2					-FILL-
4					
		0.4	428.7 5.0		Dense medium brown fine SAND, little silt and coarse sand/fine gravel, moist to wet
6					
8					Similar to above, little to some medium to fine angular gravel, wet, trace rounded cobbles (approximately 0.8 ft diameter)
		0.4			-TILL-
10					
12					
					Note: Water trickling into test pit at 13.0 ft.
			420.7 13.0		REFUSAL AT 13.0 FT
14					Note: Refusal on relatively smooth and flat shale/limestone fragments (approximately 0.5 to 1.0 ft diameter, 0.4 ft thick). Backfilled to grade.

Bucket Decontamination Method:

Remarks:

Field Tests

Dilatancy	R - Rapid S - Slow N - None
Toughness	L - Low M - Medium H - High
Plasticity	N - Nonplastic L - Low M - Medium H - High
Dry Strength	N - None L - Low M - Medium H - High V - Very High

Standing Water in Completed Pit

at depth 0.1 +/- ft
measured after 0.5 hours elapsed

Boulders

Diameter (in.)	Number	Approx. Vol. (cu.ft)
12 to 24	10	= 2+/-
over 24	-	= -

Test Pit Dimensions (ft)

Pit Length x Width (ft) 17.5 x 3.5
Pit Depth (ft) 12.0

NOTE: Soil identification based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

HA TESTPIT-07-01 33398 ENVIRONMENTAL HA-LIB07-1-34507.GLB HA-TP07-1.GDT G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_TP.GPJ Jul 29, 08

HALEY & ALDRICH

ENVIRONMENTAL TEST PIT LOG

Test Pit No. TP-07-08

Project	SENECA FALLS FORMER MGP SITE
Location	SENECA FALLS, NEW YORK
Client	NYSEG
Contractor	PARRATT - WOLFF
Equipment Used	Deere 1200
File No.	34507-002
H&A Rep	T. Gross
Date	9/20/2007
Weather	80°, Sunny

Ground El.: 431.6 **El. Datum:** NAVD 1988 | **Location:** See Plan | **Groundwater depths/entry rates (in./min.):** No Water

Depth (ft)	Photo No.	PID Reading (ppm)	Stratum Change Elev./ Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)
0					Loose dark brown SILT, little organics, fine sand and cinders, dry -TOPSOIL-
			430.9 0.7		Gray shale fragments (approximately 0.3 in. thick, 0.5-3.0 in. diameter) oriented such that long axis is horixontal (i.e. flat), hardened tar-like materieal in matrix with little very sticky tar-like material, strong mothball-like odor
2			429.6 2.0		Highly viscous tar-like material oozing out of southwest test pit side wall in two spots at 1.3 ft below ground surface
		0.0			Medium dense orangish-brown silty medium to fine SAND, trace brick fragments, moist -FILL-
4					
		0.0			
6			425.6 6.0		Loose/soft medium brown fine sandy SILT, sloppy/mucky, wet -POSSIBLE FILL-
8			423.6 8.0		REFUSAL AT 8.0 FT BGS LIKELY BEDROCK Note: Backfilled to grade.
10					
12					
14					

Bucket Decontamination Method:

Remarks:

Field Tests

Dilatancy	R - Rapid S - Slow N - None
Toughness	L - Low M - Medium H - High
Plasticity	N - Nonplastic L - Low M - Medium H - High
Dry Strength	N - None L - Low M - Medium H - High V - Very High

Standing Water in Completed Pit

at depth No Water ft
measured after - hours elapsed

Boulders

Diameter (in.)	Number	Approx. Vol. (cu.ft)
12 to 24	-	= -
over 24	-	= -

Test Pit Dimensions (ft)

Pit Length x Width (ft) 14.0 x 4.0
Pit Depth (ft) 8.0

NOTE: Soil identification based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

HA TESTPIT-07-01 33398 ENVIRONMENTAL HA-LIB07-1-34507.GLB HA-TP07-1.GDT G:\34507_SENECAFALLS\002FIELD DATA\34507-002_TP.GPJ Jul 29, 08

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ENVIRONMENTAL TEST PIT LOG

Test Pit No. TP-07-09

Project	SENECA FALLS FORMER MGP SITE
Location	SENECA FALLS, NEW YORK
Client	NYSEG
Contractor	PARRATT - WOLFF
Equipment Used	Deere 1200
File No.	34507-002
H&A Rep	T. Gross
Date	9/21/2007
Weather	70°, Sunny

Ground El.: 430.8 **El. Datum:** NAVD 1988 | **Location:** See Plan | **Groundwater depths/entry rates (in./min.):**

Depth (ft)	Photo No.	PID Reading (ppm)	Stratum Change Elev./ Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)
0					Dark brown SILT, little coarse sand and cinders, dry
			429.8 1.0		Medium dense orangish-brown SILT, trace coarse to fine sand and tan brick fragments, some rust-colored mottling throughout, dry
2		0.0			Note: Encountered wood planks in north end of test pit at 2.0 ft. -FILL-
4		0.0	426.8 4.0		Stiff grayish brown clayey SILT, little organics as veins of black organic matter (decomposed rootlets), trace fine gravel to coarse sand, moist
6					Note: Water slowly trickling into test pit at 6.0 ft bgs. -TILL-
			423.8 7.0		Similar to above, pockets of organics with black sticky and partially hardened TLM throughout, weak mothball-type (i.e., weathered tar-type) odor, few shale/limestone blocks, wet
8		9.9			
			422.3 8.5		Angular shale fragments and SILT
			421.8 9.0		REFUSAL AT 9.0 FT BGS
10					Note: Refusal on likely bedrock. Backfilled to grade.
12					
14					

Bucket Decontamination Method:

Remarks:

Field Tests

Dilatancy	R - Rapid S - Slow N - None
Toughness	L - Low M - Medium H - High
Plasticity	N - Nonplastic L - Low M - Medium H - High
Dry Strength	N - None L - Low M - Medium H - High V - Very High

Standing Water in Completed Pit

at depth ft
measured after hours elapsed

Boulders

Diameter (in.)	Number	Approx. Vol. (cu.ft)
12 to 24	-	= -
over 24	-	= -

Test Pit Dimensions (ft)

Pit Length x Width (ft) 17.0 x 4.0
Pit Depth (ft) 9.0

NOTE: Soil identification based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

HA TESTPIT-07-01 33398 ENVIRONMENTAL HA-LIB07-1-34507.GLB HA-TP07-1.GDT G:\34507_SENECAFALLS\002FIELD DATA\34507-002_TP.GPJ Jul 29, 08

HALEY & ALDRICH

ENVIRONMENTAL TEST PIT LOG

Test Pit No. TP-07-10

Project	SENECA FALLS FORMER MGP SITE	**File No.**	34507-002
Location	SENECA FALLS, NEW YORK	**H&A Rep**	T. Gross
Client	NYSEG	**Date**	9/18/2007
Contractor	PARRATT - WOLFF	**Weather**	70°, Sunny
Equipment Used	Deere 1200		

Ground El.: 431.8 **El. Datum:** NAVD 1988 | **Location:** See Plan | **Groundwater depths/entry rates (in./min.):**

Depth (ft)	Photo No.	PID Reading (ppm)	Stratum Change Elev./ Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)
0		0.1			Loose medium brown coars to fine sandy SILT, little coarse to fine gravel,little red brick fragments, trace roots/organics, dry
1					
2					-FILL-
3					Little angular gravel to cobbles from 3.0 to 5.0 ft
4		0.0			Organics, black staining at approximately 4.0 to 4.25 ft (possible peat?)
5		0.4	426.8 5.0		Dense to medium dense medium brown silty medium to fine SAND, little coarse sand, trace fine gravel, wet
6					Similar to above, little silt -GLACIAL TILL-
7		0.8	424.8 7.0		Bedrock at 7.0 ft - gray limestone Banged/scratched bedrock surface with bucket - only broke off three 0.6 to 1.0 ft diameter angular pieces approximately 0.4 ft thick. Appears competent. Backfilled boring to grade.

Bucket Decontamination Method:

Remarks: Water trickling into test pit at 6.5 ft bgs in southwest corner.

Dup-07-01 collected at TP-07-10 (5-6).

Field Tests

Dilatancy	R - Rapid S - Slow N - None
Toughness	L - Low M - Medium H - High
Plasticity	N - Nonplastic L - Low M - Medium H - High
Dry Strength	N - None L - Low M - Medium H - High V - Very High

Standing Water in Completed Pit

at depth 0 ft
measured after 0.5 hours elapsed

Boulders

Diameter (in.)	Number	Approx. Vol. (cu.ft)
12 to 24	-	= -
over 24	-	= -

Test Pit Dimensions (ft)

Pit Length x Width (ft) 17.5 x 3.7
Pit Depth (ft) 7.0

NOTE: Soil identification based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

HA TESTPIT-07-01 33398 ENVIRONMENTAL HA-LIB07-1-34507.GLB HA-TP07-1.GDT G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_TP.GPJ Jul 29, 08

HALEY & ALDRICH

ENVIRONMENTAL TEST PIT LOG

Test Pit No. TP-07-11

Project	SENECA FALLS FORMER MGP SITE	**File No.**	34507-002
Location	SENECA FALLS, NEW YORK	**H&A Rep**	T. Gross
Client	NYSEG	**Date**	9/21/2007
Contractor	PARRATT - WOLFF	**Weather**	70°, Sunny
Equipment Used	Deere 1200		

Ground El.: 430.7 **El. Datum:** NAVD 1988 | **Location:** See Plan | **Groundwater depths/entry rates (in./min.):**

Depth (ft)	Photo No.	PID Reading (ppm)	Stratum Change Elev./ Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)
0					Loose dark brown SILT, little organics, coarse to fine sand, and cinders, dry -TOPSOIL-
1			429.7 1.0		Loose orangish brown SILT, some hardened tar fragments (0.4 to 0.6 ft diameter) throughout, dry
2			428.7 2.0		Loose to medium dense orangish brown fine sandy SILT, moist
3					
4					
5			425.7 5.0		Note: Water trickling into pit at 5.0 ft bgs. TEST PIT TERMINATED AT 5.0 FT BGS Note: Backfilled to grade.
6					
7					

Bucket Decontamination Method:

Remarks:

Field Tests

Dilatancy	R - Rapid S - Slow N - None
Toughness	L - Low M - Medium H - High
Plasticity	N - Nonplastic L - Low M - Medium H - High
Dry Strength	N - None L - Low M - Medium H - High V - Very High

Standing Water in Completed Pit

at depth ft
measured after - hours elapsed

Boulders

Diameter (in.)	Number	Approx. Vol. (cu.ft)
12 to 24	-	= -
over 24	-	= -

Test Pit Dimensions (ft)

Pit Length x Width (ft) 17.0 x 4.0
Pit Depth (ft) 5.0

NOTE: Soil identification based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

HA TESTPIT-07-01 33398 ENVIRONMENTAL HA-LIB07-1-34507.GLB HA-TP07-1.GDT G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_TP.GPJ Jul 29, 08

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TEST PIT LOG

Test Pit No. TP-09-01

Project	SENECA FALLS FORMER MGP	**File No.**	34507-014
Location	SENECA FALLS, NY	**H&A Rep**	T. Gross
Client	NYSEG	**Date**	21 Aug 2009
Contractor	PARRATT WOLFF	**Weather**	Rain, 70s
Equipment Used	Takeuchi TB135 Track Mini-Excavator		

Ground El.: **El. Datum:** | **Location:** See Plan | **Groundwater depths/entry rates (in./min.):** 6.5 ft/approximately 4.0 in./min.

Depth (ft)	Sample ID	Stratum Change Elev./ Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)
0				Dark brown sandy SILT and red bricks
				-FILL-
		1.5		Dark brown sandy SILT, some red brick, little CINDER-LIKE MATERIAL, dry
2	1.5 - 2.5	2.0		Gray ASH-, CINDER- and CLINKER-LIKE MATERIAL, dry
		2.5	ML	Orange-brown sandy SILT, little fine to coarse gravel and red brick, dry
4				-FILL-
6	6.0 - 7.0			Note: Water at 6.5 ft below ground surface.
		7.5		BOTTOM OF EXPLORATION 7.5 FT
				Note: Test pit terminated at 7.5 ft due to water pooling in pit and sidewall cave-in.

Obstructions:

Remarks: Samples obtained for laboratory testing.

Field Tests

Dilatancy	R - Rapid S - Slow N - None
Toughness	L - Low M - Medium H - High
Plasticity	N - Nonplastic L - Low M - Medium H - High
Dry Strength	N - None L - Low M - Medium H - High V - Very High

Standing Water in Completed Pit

at depth ft
measured after hours elapsed

Boulders

Diameter (in.)	Number	Approx. Vol. (cu.ft)
12 to 24		=
over 24		=

Test Pit Dimensions (ft)

Pit Length x Width (ft) 3.0 x 10.0
Pit Depth (ft) 7.5

NOTE: Soil identification based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

HA TESTPIT-07-1 HA-LIB07-1-BOS.GLB HA-TP07-1.GDT G:\34507_SENECAFALLS\014\34507-014_TP.GPJ Oct 23, 09

HALEY & ALDRICH

TEST PIT LOG

Test Pit No. TP-09-02

Project	SENECA FALLS FORMER MGP	**File No.**	34507-014
Location	SENECA FALLS, NY	**H&A Rep**	T. Gross
Client	NYSEG	**Date**	21 Aug 2009
Contractor	PARRATT WOLFF	**Weather**	Rain, 70s
Equipment Used	Takeuchi TB135 Track Mini-Excavator		

Ground El.: **El. Datum:** **Location:** See Plan **Groundwater depths/entry rates (in./min.):** 6.0 ft/1.5 in./min.

Depth (ft)	Sample ID	Stratum Change Elev./ Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)
0			SM	Dark brown fine to medium SAND and SILT, little fine to coarse gravel, trace coal, red brick at north side of test pit, several large (1 ft x 2 ft x 2 ft) rock blocks oriented as if a wall Note: Water pours into test pit at approximately 2.0 ft from north test pit wall. -FILL-
2	2.0 - 3.0	2.0		Orange-brown ASH-LIKE MATERIAL and SILT, little fine to coarse sand and fine to coarse gravel, trace CINDER-LIKE MATERIAL and red brick, few cobbles Note: Water, no sheen, no odor, pouring in approximately 2.0 to 3.0 ft below ground surface (from under rock blocks. -FILL-
4		5.0	GM	Light brown to pink-brown fine to coarse GRAVEL and SILT, some fine to coarse sand, cobbles, blocky, hard, wet at 6.0 ft Note: Water table at approximately 6.0 ft below ground surface. Water pooling in test pit base.
6	6.0 - 7.0			-GLACIAL TILL- (Possibly Reworked)
8				
10		10.0		BOTTOM OF EXPLORATION 10.0 FT Note: 10 ft is maximum reach of excavator.

Obstructions:

Remarks: Samples obtained for laboratory testing.

Field Tests

Dilatancy	R - Rapid S - Slow N - None
Toughness	L - Low M - Medium H - High
Plasticity	N - Nonplastic L - Low M - Medium H - High
Dry Strength	N - None L - Low M - Medium H - High V - Very High

Standing Water in Completed Pit

at depth ft
measured after hours elapsed

Boulders

Diameter (in.)	Number	Approx. Vol. (cu.ft)
12 to 24		=
over 24		=

Test Pit Dimensions (ft)

Pit Length x Width (ft) 4.0 x 12.0
Pit Depth (ft) 10.0

NOTE: Soil identification based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

HA TESTPIT-07-1 HA-LIB07-1-BOS.GLB HA-TP07-1.GDT G:\34507_SENECAFALLS\014\34507-014_TP.GPJ Oct 23, 09

HALEY & ALDRICH

TEST PIT LOG

Test Pit No. TP-09-03

Project	SENECA FALLS FORMER MGP	**File No.**	34507-014
Location	SENECA FALLS, NY	**H&A Rep**	T. Gross
Client	NYSEG	**Date**	20 Aug 2009
Contractor	PARRATT WOLFF	**Weather**	Humid, 80s
Equipment Used	Takeuchi TB135 Track Mini-Excavator		

Ground El.: **El. Datum:** **Location:** See Plan **Groundwater depths/entry rates (in./min.):** 3.0 ft/4.0 in./min.

Depth (ft)	Sample ID	Stratum Change Elev./ Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)
0				Dark brown fine to medium SAND and SILT, little fine to coarse gravel
1			SM	Similar to above except some coal fragments (1.25 to 1.5 in. diameter)
2				-FILL-
		2.5	MH	Pink-brown clayey SILT, some fine sand, little red brick and fine to coarse gravel, trace cobbles and wood
3	2.5 - 3.0			Note: Water flowing into pit at 3.0 ft; slight rainbow sheen. Similar to above except with ASH- and CINDER-LIKE MATERIAL, burnt odor, approximately 6-in. diameter 3-ft log
				-FILL-
4		4.0		CINDER and WOOD FRAGMENTS, little fine to coarse gravel, little cobbles
5	4.0 - 5.0			-FILL-
6				
		6.5	CL	Pink-brown silty CLAY, trace fine to medium sand, silt
7	6.5 - 7.0	7.0		-GLACIAL TILL- (Possibly Reworked) BOTTOM OF EXPLORATION 7.0 FT
				Note: Test pit terminated at 7.0 ft due to water pooling in pit.

Obstructions:

Remarks: Samples obtained for laboratory testing.

Field Tests

Dilatancy	R - Rapid S - Slow N - None
Toughness	L - Low M - Medium H - High
Plasticity	N - Nonplastic L - Low M - Medium H - High
Dry Strength	N - None L - Low M - Medium H - High V - Very High

Standing Water in Completed Pit

at depth ft
measured after hours elapsed

Boulders

Diameter (in.)	Number	Approx. Vol. (cu.ft)
12 to 24		=
over 24		=

Test Pit Dimensions (ft)

Pit Length x Width (ft) 3.0 x 8.0
Pit Depth (ft) 7.0

NOTE: Soil identification based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

HA TESTPIT-07-1 HA-LIB07-1-BOS.GLB HA-TP07-1.GDT G:\34507_SENECAFALLS\014\34507-014_TP.GPJ Oct 23, 09

HALEY & ALDRICH

TEST PIT LOG

Test Pit No. TP-09-04

Project	SENECA FALLS FORMER MGP	**File No.**	34507-014
Location	SENECA FALLS, NY	**H&A Rep**	T. Gross
Client	NYSEG	**Date**	20 Aug 2009
Contractor	PARRATT WOLFF	**Weather**	Humid, 80s
Equipment Used	Takeuchi TB135 Track Mini-Excavator		

Ground El.: **El. Datum:** | **Location:** See Plan | **Groundwater depths/entry rates (in./min.):** 4.0 ft/0.25 in./min

Depth (ft)	Sample ID	Stratum Change Elev./ Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)
0			SM	Dark brown fine to medium SAND and SILT, little coarse sand and fine to coarse gravel, trace coal fragments, red brick, and organics -FILL-
		1.0	MH	Pink-brown clayey SILT, some fine sand, little fine to coarse slightly angular to slightly rounded gravel and cobbles, moist to wet, homogenous Note: 1.0 to 3.0 ft looser, slightly oxidized, disturbed.
2				
	3.0 - 4.0			
4				Note: Water/moisture at approximately 4.0 ft. Water pooling in base.
6				-TILL- (1.0 to 3.0 ft appear reworked)
8				
		9.0		BOTTOM OF EXPLORATION 9.0 FT Note: Maximum reach of excavator.

Obstructions:

Remarks: Samples obtained for laboratory testing.

Field Tests

Dilatancy	R - Rapid S - Slow N - None
Toughness	L - Low M - Medium H - High
Plasticity	N - Nonplastic L - Low M - Medium H - High
Dry Strength	N - None L - Low M - Medium H - High V - Very High

Standing Water in Completed Pit

at depth ft
measured after hours elapsed

Boulders

Diameter (in.)	Number	Approx. Vol. (cu.ft)
12 to 24		=
over 24		=

Test Pit Dimensions (ft)

Pit Length x Width (ft) 3.0 x 10.0
Pit Depth (ft) 9.0

NOTE: Soil identification based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

HA TESTPIT-07-1 HA-LIB07-1-BOS.GLB HA-TP07-1.GDT G:\34507_SENECAFALLS\014\34507-014_TP.GPJ Oct 23, 09

HALEY & ALDRICH

TEST PIT LOG

Test Pit No. TP-09-05

Project	SENECA FALLS FORMER MGP	**File No.**	34507-014
Location	SENECA FALLS, NY	**H&A Rep**	T. Gross
Client	NYSEG	**Date**	20 Aug 2009
Contractor	PARRATT WOLFF	**Weather**	Humid, 80s
Equipment Used	Takeuchi TB135 Track Mini-Excavator		

Ground El.: **El. Datum:** **Location:** See Plan **Groundwater depths/entry rates (in./min.):** 3.0 ft/0.25 in./min.

Depth (ft)	Sample ID	Stratum Change Elev./ Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)
0				Dark brown fine to medium SAND and SILT, little coarse sand and fine to coarse gravel, trace coal fragments and organics
		1.0		ASH- and CINDER-LIKE MATERIAL, thicker at east end of pit than at west end
		1.3	ML	Pink-brown clayey SILT, some coal fragments (0.25 to 4.0 in. diameter) Note: Pipe approximately 3.0 in. diameter (iron or lead?) at 1.3 ft. Broke easily.
2	1.5 - 2.5			Similar to above except some fine sand, little red brick, fine to coarse gravel, trace cobbles, wood, wet at approximately 3.0 ft Note: Water trickling in at approximately 3.0 ft below ground surface.
4				-FILL-
6		6.0	ML	Grades to gray clayey SILT, trace organics (rootlets), soft/muckey (sediment-like), large (approximately 1.0 ft x 1.0 ft) slate fragments at approximately 6.5 ft below ground surface
				-FILL-
8		8.0	ML	Brown clayey SILT, little to some fine sand, little fine to medium gravel, trace cobbles, wet
				-POSSIBLE FILL-
	8.5 - 9.0	9.0		Note: Water pooling in test pit at 8.5 to 9.0 ft. BOTTOM OF EXPLORATION 9.0 FT

Obstructions:

Remarks: Samples obtained for laboratory testing. DUP-TP-09-01 collected from TP-09-05 (1.5-2.5).

Field Tests

Dilatancy	R - Rapid S - Slow N - None
Toughness	L - Low M - Medium H - High
Plasticity	N - Nonplastic L - Low M - Medium H - High
Dry Strength	N - None L - Low M - Medium H - High V - Very High

Standing Water in Completed Pit

at depth ft
measured after hours elapsed

Boulders

Diameter (in.)	Number	Approx. Vol. (cu.ft)
12 to 24		=
over 24		=

Test Pit Dimensions (ft)

Pit Length x Width (ft) 3.0 x 8.0 ft
Pit Depth (ft) 9.0

NOTE: Soil identification based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

HA TESTPIT-07-1 HA-LIB07-1-BOS.GLB HA-TP07-1.GDT G:\34507_SENECAFALLS\014\34507-014_TP.GPJ Oct 23, 09

HALEY & ALDRICH

TEST BORING REPORT

Boring No. SB-07-02/ MW-07-02

Project SENECA FALLS MGP SITE, SENECA FALLS, NY
Client NYSEG
Contractor PARRATT - WOLFF

File No. 34507-000
Sheet No. 1 of 2
Start September 25, 2007
Finish September 26, 2007
Driller J. Lansing
H&A Rep. B. Zinni/T. Gross
Elevation 455.9
Datum NGVD 1988
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	S		Rig Make & Model: CME 55 on Truck
Inside Diameter (in.)	4-1/4	2		Bit Type:
Hammer Weight (lb)			-	Drill Mud: None
Hammer Fall (in.)			-	Casing:
				Hoist/Hammer: Winch/ Safety Hammer
				PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Well Diagram	Stratum Change Elev/Depth (ft)	USCS* Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)	PID Readings (ppm) (sample/bkgd)
0	4 6 6	SS-1 12	0.0 2.0		455.4 0.5		ASPHALT and SUB-BASE	
							Medium dense brown silty SAND, some angular coarse to fine gravel and coarse sand, moist, medium density	2.7/0.0
	8 2 4 5	SS-2 12	2.0 4.0				Medium dense brown silty SAND, some cinders and coarse sand, trace ash and red brick, moist	2.7/0.0
5	6 6 3 2	SS-3 2.4	4.0 6.0				Loose dark gray fine GRAVEL, some coarse to fine sand and silt, moist	3.0/0.0
	1 2 1 2	SS-4 4.8	6.0 8.0				Loose silt, brick fragments and coarse to fine sand, little cinders, coal, and ash, moist	2.7/0.0
	1 1 1 1	SS-5 12	8.0 10.0				Loose black silt and ash, trace brick and coal, dry	1.0/0.0
10	WOR WOR 7 7	SS-6 18	10.0 12.0		445.4 10.5		Similar to above with some cinders, trace paint chips, red brick at base	0.0/0.0
							Medium dense light brown sandy SILT with trace coal	3.3/0.0
	12 13 14 16	SS-7 16.8	12.0 14.0				Dense orangish-brown sandy SILT with some angular fine gravel to medium sand, dry	5.0/0.0
15	14 13 23 23	SS-8 19.2	14.0 16.0				Similar to above	3.4/0.0
							-FILL-	
	18 24 25 27	SS-9 15.6	16.0 18.0		439.9 16.0		Very dense/very stiff SILT, little angular fine gravel to coarse sand, moist to dry, trace orange mottling	0.0/0.0
	22 24 19 18	SS-10 15.6	18.0 20.0					
20								

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Component Percentage Estimates

Term	Range
adjective modifier	20% - 50%
and	20% - 50%
some	20% - 33%
little	10% - 20%
trace	5% - 10%
with	present

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 33.0
Rock Cored (ft) -
Samples S17

Boring No. SB-07-02/ MW-07-02

Sampler Type: S - Split Spoon Sampler U - Undisturbed Tube Sampler T - Thin Wall Tube Sampler

***NOTE: USCS Group Symbols based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.**

NOTE: Visual-Manual Identification and Description based upon Haley & Aldrich OP2001A - Field Practice for Soil Identification and Description.

H&A-TEST BORING-08 HA-LIB08-BETA.GLB HA-TB+CORE+WELL-08-BETA.GDT G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_TB.GPJ Jul 29, 08

HALEY & ALDRICH

TEST BORING REPORT

Boring No. SB-07-02/ MW-07-02
File No. 34507-000
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Well Diagram	Stratum Change Elev/Depth (ft)	USCS* Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)	PID Readings (ppm) (sample/bkgd)
20	13 17 21 24	SS-11 18	20.0 22.0				Very stiff medium brown to orangish-brown clayey SILT, trace coarse sand and pieces of decomposed fine gravel, lenses (< 0.1 in. thick) of fine sand, dry to moist (see photo)	0.2/0.0
					433.9 22.0			
	22 32 50/0.3	SS-12 18	22.0 24.0		433.6 22.3		Medium dense medium brown SILT and FINE SAND, wet Very stiff medium brown SILT, trace coarse sand, moist	4.2/0.0
					433.4 22.5		Medium dense medium brown SILT and FINE SAND, wet Similar to 22.3 to 22.45 ft bgs	
	34 58	SS-13 10.8	24.0 25.0		433.2 22.7 433.1 22.8		Medium dense medium brown SILT and FINE SAND, wet (see photo) Stiff medium brown fine sandy SILT, trace angular fine gravel to coarse sand, moist	3.2/0.0
25					431.9 24.0			
					429.9 26.0			
	29 33 31 33	SS-14 15.6	26.0 28.0				Medium dense medium grayish-brown SILT and FINE SAND, little angular fine gravel to coarse sand, wet	0.7/0.0
	33 35 41 43	SS-15 18	28.0 30.0				Similar to above	1.1/0.0
30					425.9			
	31 54	SS-16 9.6	30.0 32.0		30.0		Medium dense grayish-brown silty fine SAND, little to trace angular fine gravel to coarse sand, wet -GLACIAL TILL-	0.7/0.0
	35 50/0.4	SS-17 8.4	32.0 33.0		422.9 33.0		Similar to above except dark gray/black limestone in spoon of shoe Spoon refusal at 32.0 ft bgs	1.3/0.0
							AUGER REFUSAL AT 33.0 FT BGS LIKELY TOP OF BEDROCK	

*NOTE: USCS Group Symbols based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

NOTE: Visual-Manual Identification and Description based upon Haley & Aldrich OP2001A - Field Practice for Soil Identification and Description.

H&A-TEST BORING-08 HA-LIB08-BETA.GLB HA-TB+CORE+WELL-08-BETA.GDT G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_TB.GPJ Jul 29, 08

HALEY & ALDRICH

TEST BORING REPORT

Boring No. SB-07-03/ MW-07-03

Project SENECA FALLS MGP SITE, SENECA FALLS, NY
Client NYSEG
Contractor PARRATT - WOLFF

File No. 34507-000
Sheet No. 1 of 1
Start September 24, 2007
Finish September 25, 2007
Driller J. Lansing
H&A Rep. B. Zinni/T. Gross
Elevation 435.8
Datum NGVD 1988
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	S		Rig Make & Model: CME 850 on Track
Inside Diameter (in.)	4-1/4	2		Bit Type:
Hammer Weight (lb)			-	Drill Mud: None
Hammer Fall (in.)			-	Casing:
				Hoist/Hammer: Winch/ Automatic Hammer
				PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Well Diagram	Stratum Change Elev/Depth (ft)	USCS* Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)	PID Readings (ppm) (sample/bkgd)
0	3 3 5 5	SS-1 12	0.0 2.0				Loose brown SILT and fine sand with little trace brick and red brick fragments, trace mortar, ash, coal rootlets and fine gravel	0.1/0.0
	5 5 9 3	SS-2 12	2.0 4.0				Dark brown/black silt with weak MGP-like odor Medium dense sandy silt with trace coal fragments, moist Sandy silt, light brown, moist -FILL-	1.4/0.0
	6 11 12 13	SS-3 15	4.0 6.0		431.8 4.0		Silty sandy till with little coarse sand and fine angular gravel, light orange-brown, stiff/dense, moist	0.1/0.0
5	16 22 32 21	SS-4 7.2	6.0 8.0				Similar to above	0.1/0.0
	15 38 50/0.4	SS-5 14.4	8.0 10.0		427.8 8.0 427.0 8.8		Medium dense to dense light orangish-brown, silty fine sand, little fine gravel to coarse sand, moist Silty sandy till with little coarse sand and fine angular gravel, light orange brown, stiff/dense, moist	0.3/0.0
10	38 46 50/0.4	SS-6 14.4	10.0 12.0				Similar to above -GLACIAL TILL-	0.2/0.0
	50/0.1	SS-7 1.2	12.0 12.1		423.7 12.1		Spoon refusal at 12.1 ft with 2 pieces angular gravel in shoe of spoon AUGER REFUSAL AT 12.1 FT BGS LIKELY TOP OF BEDROCK	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Component Percentage Estimates

Term	Range
adjective modifier	20% - 50%
and	20% - 50%
some	20% - 33%
little	10% - 20%
trace	5% - 10%
with	present

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 12.1
Rock Cored (ft) -
Samples S7

Boring No. SB-07-03/ MW-07-03

Sampler Type: S - Split Spoon Sampler U - Undisturbed Tube Sampler T - Thin Wall Tube Sampler

***NOTE: USCS Group Symbols based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.**

NOTE: Visual-Manual Identification and Description based upon Haley & Aldrich OP2001A - Field Practice for Soil Identification and Description.

H&A-TEST BORING-08 HA-LIB08-BETA.GLB HA-TB+CORE+WELL-08-BETA.GDT G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_TB.GPJ Jul 29, 08

HALEY & ALDRICH

TEST BORING REPORT

Boring No. SB-07-04/ MW-07-04

Project SENECA FALLS MGP SITE, SENECA FALLS, NY
Client NYSEG
Contractor PARRATT - WOLFF

File No. 34507-000
Sheet No. 1 of 2
Start November 16, 2007
Finish November 16, 2007
Driller I. Grassie
H&A Rep. T. Gross
Elevation 453.3
Datum NGVD 1988
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	S		Rig Make & Model: CME 55 on Truck
Inside Diameter (in.)	4-1/4	2		Bit Type:
Hammer Weight (lb)			-	Drill Mud: None
Hammer Fall (in.)			-	Casing:
				Hoist/Hammer: Winch/ Safety Hammer
				PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Well Diagram	Stratum Change Elev/Depth (ft)	USCS* Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)	PID Readings (ppm) (sample/bkgd)
0	2 4 4 3	S-1 18	0.0 2.0		453.1 0.2		-TOPSOIL-	0.0/0.0
							Hard tan brown SILT, little tan and red brick fragments, coal and cinder fragments, coarse to fine sand, dry	
	4 2 2 4	S-2 12	2.0 4.0				Similar to above	0.0/0.0
							-FILL-	
	4 2 1 1	S-3 18	4.0 6.0				Similar to above	0.0/0.0
5					447.3 6.0			
	10 14 19 19	S-4 20.4	6.0 8.0				Hard dark tan-brown SILT, little coarse sand to fine gravel, wet	
	4 12 20 24	S-5 24	8.0 10.0				Similar to above except very hard, moist	0.0/0.0
							-GLACIAL TILL-	
10	8 15 21 22	S-6 24	10.0 12.0				Similar to above	0.0/0.0
	21 26 34 40	S-7 24	12.0 14.0				Similar to above	0.0/0.0
					439.3 14.0			
	8 12 21 19	S-8 18	14.0 16.0				Similar to above, little clay, medium plasticity	0.0/0.0
15	14 14 16 20	S-9 24	16.0 18.0				Hard dark tan-brown CLAY and SILT, little coarse sand to fine gravel, moist, medium plasticity	0.0/0.0
					435.3 18.0			
	8 11 21 50/0.1	S-10 3.6	18.0 20.0				Similar to above except gray, medium gravel fragment in shoe	0.0/0.0
20								

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Component Percentage Estimates

Term	Range
adjective modifier	20% - 50%
and	20% - 50%
some	20% - 33%
little	10% - 20%
trace	5% - 10%
with	present

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 30.0
Rock Cored (ft) -
Samples S15

Boring No. SB-07-04/ MW-07-04

Sampler Type: S - Split Spoon Sampler U - Undisturbed Tube Sampler T - Thin Wall Tube Sampler

***NOTE: USCS Group Symbols based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.**

NOTE: Visual-Manual Identification and Description based upon Haley & Aldrich OP2001A - Field Practice for Soil Identification and Description.

H&A-TEST BORING-08 HA-LIB08-BETA.GLB HA-TB+CORE+WELL-08-BETA.GDT G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_TB.GPJ Jul 29, 08

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TEST BORING REPORT

Boring No. SB-07-04/ MW-07-04
File No. 34507-000
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Well Diagram	Stratum Change Elev/Depth (ft)	USCS* Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)	PID Readings (ppm) (sample/bkgd)
20	50/0.1	S-11 1.2	20.0 22.0				Similar to above except moist to wet	0.0/0.0
	24 50/0.3	S-12 7.2	22.0 24.0		431.1 22.2		Gray medium gravel fragments Loose dark tan-brown fine sandy SILT/ very fine SAND, friable	0.0/0.0
	34 50/0.2	S-13 9.6	24.0 26.0		429.2 24.1		Very hard dark tan-brown SILT, little coarse sand to fine gravel, moist	0.0/0.0
25	22 50/0.2	S-14 9.6	26.0 28.0		427.3 26.0		Dense dark tan-brown silty fine SAND, little coarse sand to fine gravel, wet, gray medium gravel fragment in shoe	0.0/0.0
	50/0.1	S-15 0	28.0 30.0				No recovery -GLACIAL TILL-	
30					423.3 30.0		AUGER REFUSAL AT 30.0 FT BGS LIKELY TOP OF BEDROCK	

*NOTE: USCS Group Symbols based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

Boring No. SB-07-04/ MW-07-04

NOTE: Visual-Manual Identification and Description based upon Haley & Aldrich OP2001A - Field Practice for Soil Identification and Description.

H&A-TEST BORING-08 HA-LIB08-BETA.GLB HA-TB+CORE+WELL-08-BETA.GDT G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_TB.GPJ Jul 29, 08

HALEY & ALDRICH

TEST BORING REPORT

Boring No. SB-07-05/ MW-07-05

Project SENECA FALLS MGP SITE, SENECA FALLS, NY
Client NYSEG
Contractor PARRATT - WOLFF

File No. 34507-000
Sheet No. 1 of 1
Start September 21, 2007
Finish September 21, 2007
Driller J. Lansing
H&A Rep. T. Gross
Elevation 430.4
Datum NGVD 1988
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	S		Rig Make & Model: CME 850 on Track
Inside Diameter (in.)	4-1/4	2		Bit Type:
Hammer Weight (lb)			-	Drill Mud: None
Hammer Fall (in.)			-	Casing:
				Hoist/Hammer: Winch/ Automatic Hammer
				PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Well Diagram	Stratum Change Elev/Depth (ft)	USCS* Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)	PID Readings (ppm) (sample/bkgd)
0	2 2 3 3	SS-1 8.4	0.0 2.0		430.2 0.2		Loose dark brown SILT, little organics, dry -TOPSOIL-	
							Stiff medium brown SILT, little fine sand, trace cinders dry	0.0/0.0
	4 2 3 2	SS-2 9.6	2.0 4.0				Stiff medium brown fine sandy SILT, trace organics, small pockets (0.1 to 0.3 in.) of black staining throughout, possible very weak MGP-like odor, dry -FILL-	0.0/0.0
	2 2 3 15	SS-3 18	4.0 6.0		426.4 4.0 426.2 4.2		Soft/loose brown fine sandy SILT, little organics, wet, moderate rainbow sheen Stiff medium brown SILT, little coarse sand to fine gravel, moist, no rainbow sheen	4.8/0.0
5					425.1 5.3		Loose angular fine GRAVEL and coarse to fine sand, little silt, wet, moderate rainbow sheen, weak MGP-like odor	
	11 22 26 34	SS-4 18	6.0 8.0		424.4 6.0		Dense to very dense light orangish-brown fine sandy SILT, little angular fine gravel to coarse sand, moist, no staining/ odor/ sheen -GLACIAL TILL-	0.0/0.0
	34 49 50/0.4	SS-5 14.4	8.0 10.0				Similar to above, little angular medium gravel (shattered by spoon) Spoon refusal at 9.4 ft bgs	0.0/0.0
10	36 50/0.4	SS-6 10.8	10.0 12.0				Spoon refusal at 10.9 ft bgs	2.0/0.0
					418.4 12.0		AUGER REFUSAL AT 12.0 FT BGS LIKELY TOP OF BEDROCK	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Component Percentage Estimates

Term	Range
adjective modifier	20% - 50%
and	20% - 50%
some	20% - 33%
little	10% - 20%
trace	5% - 10%
with	present

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 12.0
Rock Cored (ft) -
Samples S6

Boring No. SB-07-05/ MW-07-05

Sampler Type: S - Split Spoon Sampler U - Undisturbed Tube Sampler T - Thin Wall Tube Sampler

***NOTE: USCS Group Symbols based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.**

NOTE: Visual-Manual Identification and Description based upon Haley & Aldrich OP2001A - Field Practice for Soil Identification and Description.

H&A-TEST BORING-08 HA-LIB08-BETA.GLB HA-TB+CORE+WELL-08-BETA.GDT G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_TB.GPJ Jul 29, 08

HALEY & ALDRICH

TEST BORING REPORT

Boring No. SB-07-06/ MW-07-06

Project SENECA FALLS MGP SITE, SENECA FALLS, NY
Client NYSEG
Contractor PARRATT - WOLFF

File No. 34507-000
Sheet No. 1 of 1
Start September 24, 2007
Finish September 25, 2007
Driller J. Lansing
H&A Rep. B. Zinni/T. Gross
Elevation 431.5
Datum NGVD 1988
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	S		Rig Make & Model: CME 850 on Track
Inside Diameter (in.)	4-1/4	2		Bit Type:
Hammer Weight (lb)			-	Drill Mud: None
Hammer Fall (in.)			-	Casing:
				Hoist/Hammer: Winch/ Automatic Hammer
				PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Well Diagram	Stratum Change Elev/Depth (ft)	USCS* Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)	PID Readings (ppm) (sample/bkgd)
0	3 4 4 6	SS-1 9.6	0.0 2.0				Medium dense medium brown SILT, little fine sand and coal fragments, dry	11/0.4
					429.5 2.0			
	5 5 6 7	SS-2 7.2	2.0 4.0				Dense light orangish brown SILT, little angular fine gravel to coarse sand, dry -ALLUVIAL DEPOSITS-	0.6/0.0
	6 6 7 4	SS-3 0	4.0 6.0				No recovery	
5					425.5 6.0			
	3 5 7 5	SS-4 2.4	6.0 8.0				Soft medium orangish brown silty fine SAND, little fine gravel to coarse sand, wet -FILL-	0.6/0.0
	WOH WOH 50/0.4	SS-5 4.8	8.0 10.0				Similar to above	1.0/0.0
							Spoon refusal at 9.4 ft	
					422.1 9.4		AUGER REFUSAL AT 9.4 FT BGS LIKELY TOP OF BEDROCK	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Component Percentage Estimates

Term	Range
adjective modifier	20% - 50%
and	20% - 50%
some	20% - 33%
little	10% - 20%
trace	5% - 10%
with	present

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 9.4
Rock Cored (ft) -
Samples S5

Boring No. SB-07-06/ MW-07-06

Sampler Type: S - Split Spoon Sampler U - Undisturbed Tube Sampler T - Thin Wall Tube Sampler

***NOTE: USCS Group Symbols based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.**

NOTE: Visual-Manual Identification and Description based upon Haley & Aldrich OP2001A - Field Practice for Soil Identification and Description.

H&A-TEST BORING-08 HA-LIB08-BETA.GLB HA-TB+CORE+WELL-08-BETA.GDT G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_TB.GPJ Jul 29, 08

HALEY& ALDRICH

TEST BORING REPORT

Boring No. SB-07-07

Project SENECA FALLS MGP SITE, SENECA FALLS, NY
Client NYSEG
Contractor PARRATT - WOLFF

File No. 34507-000
Sheet No. 1 of 2
Start September 27, 2007
Finish September 28, 2007
Driller J. Lansing
H&A Rep. T. Gross
Elevation 456.7
Datum NGVD 1988
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	S		Rig Make & Model: CME 850 on Track
Inside Diameter (in.)	4-1/4	2		Bit Type:
Hammer Weight (lb)			-	Drill Mud: None
Hammer Fall (in.)			-	Casing:
				Hoist/Hammer: Winch/ Automatic Hammer
				PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS* Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)
0				456.2		ASPHALT and SUB-BASE
	19 19 25	SS-1 9.6	0.5 2.0	0.5 454.7	GP	Medium dense gray angular fine GRAVEL, little silt, dry (SUB-BASE)
	10 12 12 10	SS-2 12	2.0 4.0	2.0		Medium dense RED BRICK and COAL, some brown silt, trace fine sand, tan brick fragments to specks, dry
5	13 13 12 19	SS-3 6	4.0 6.0	450.7		Loose gray angular fine GRAVEL and stiff orangish brown SILT, little coal fragments, dry -FILL-
	14 26 31 27	SS-4 3.6	6.0 8.0	6.0 448.7	ML	Stiff orangish-brown SILT, little fine gravel to coarse sand, trace coal and red brick fragments, dry -REWORKED GLACIAL TILL-
	13 20 31 29	SS-5 24	8.0 10.0	8.0	ML	Very stiff orangish-brown SILT, little fine gravel to coarse sand, dry -GLACIAL TILL-
10	26 17 25 35	SS-6 18	10.0 12.0	444.7	ML	Similar to above
	47 57	SS-7 9.6	12.0 13.0	12.0	MH	Stiff orangish-brown clayey SILT, trace fine gravel to coarse sand, dry
15	12 20 30 30	SS-8 18	14.0 16.0		MH	Similar to above, little fine gravel to coarse sand
	8 10 12 10	SS-9 12	16.0 18.0			
	11 23 28 27	SS-10 24	18.0 20.0		MH	Stiff orangish-brown SILT, little fine gravel to coarse sand, dry
20						

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Component Percentage Estimates

Term	Range
adjective modifier	20% - 50%
and	20% - 50%
some	20% - 33%
little	10% - 20%
trace	5% - 10%
with	present

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 30.0
Rock Cored (ft) -
Samples S14

Boring No. SB-07-07

Sampler Type: S - Split Spoon Sampler U - Undisturbed Tube Sampler T - Thin Wall Tube Sampler

***NOTE: USCS Group Symbols based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.**

NOTE: Visual-Manual Identification and Description based upon Haley & Aldrich OP2001A - Field Practice for Soil Identification and Description.

H&A-TEST BORING-08 HA-LIB08-BETA.GLB HA-TB+CORE+WELL-08-BETA.GDT P:\34507_SENECAFALLS\002\FIELD DATA\34507-002_TB.GPJ Apr 1, 13

HALEY & ALDRICH

TEST BORING REPORT

Boring No. SB-07-07
File No. 34507-000
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS* Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)
20	5 9 11 12	SS-11 19.2	20.0 22.0	435.4 21.3	MH- CL	Medium stiff medium purplish grayish-brown clayey SILT
	6 5 5 7	SS-12 22.8	22.0 24.0			
	12 27 22 27	SS-13 16.8	24.0 26.0	432.2 24.5 431.7	SP	Medium dense medium orangish-brown coarse to fine SAND, some silt, little medium to fine gravel, wet
25				25.0	ML	Stiff dark grayish-brown (purplish) fine sandy SILT, little fine gravel to coarse sand, moist
	32 26 27 31	SS-14 18	26.0 28.0		ML	Similar to above -GLACIAL TILL-
30				426.7 30.0		BOTTOM OF EXPLORATION 30.0 FT BGS

Note: PID readings not recorded due to heavy rain.

*NOTE: USCS Group Symbols based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

Boring No. SB-07-07

NOTE: Visual-Manual Identification and Description based upon Haley & Aldrich OP2001A - Field Practice for Soil Identification and Description.

H&A-TEST BORING-08 HA-LIB08-BETA.GLB HA-TB+CORE+WELL-08-BETA.GDT P:\34507_SENECAFALLS\002\FIELD DATA\34507-002_TB.GPJ Apr 1, 13

HALEY & ALDRICH

TEST BORING REPORT

Boring No. SB-07-08

Project SENECA FALLS MGP SITE, SENECA FALLS, NY
Client NYSEG
Contractor PARRATT - WOLFF

File No. 34507-000
Sheet No. 1 of 2
Start September 26, 2007
Finish September 27, 2007
Driller J. Lansing
H&A Rep. T. Gross
Elevation 456.4
Datum NGVD 1988
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	S		Rig Make & Model: CME 55 on Truck
Inside Diameter (in.)	4-1/4	2		Bit Type:
Hammer Weight (lb)			-	Drill Mud: None
Hammer Fall (in.)			-	Casing:
				Hoist/Hammer: Cat-Head/ Safety Hammer
				PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS* Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)	PID Readings (ppm) (sample/bkgd)
0				455.4		ASPHALT and SUB-BASE	
	10 11	SS-1 9.6	1.0 2.0	1.0	GP	Medium dense gray angular medium to fine GRAVEL	0.0/0.0
	10 11 10 16	SS-2 14.4	2.0 4.0		GP	Similar to above	0.0/0.0
				452.4			
	4 1 1 2	SS-3 15	4.0 6.0	4.0		Loose black CINDERS, little red and tan brick fragments, mortar and coal fragments, dry	5.6/0.0
5							
	2 1 1 2	SS-4 15.6	6.0 8.0	449.6			1.0/0.0
				6.8		Tan mortar, decomposed/weathered	
				449.4			
	6 10 12 9	SS-5 15.6	8.0 10.0	7.0		Stiff medium orangish-brown clayey SILT, little red and tan brick pieces, concrete pieces, and fine gravel Fine sand lamination at 9.0 ft bgs	
10				446.4			
	11 18 22 23	SS-6 19.2	10.0 12.0	10.0	ML	Very stiff medium orangish-brown SILT, trace fine gravel to coarse sand, trace orange/rust colored mottling, dry to moist	0.0/0.0
	16 20 37 47	SS-7 9.6	12.0 14.0		ML	Similar to above	0.0/0.0
				442.4			
	12 14 19 21	SS-8 20.4	14.0 16.0	14.0	ML-MH	Stiff medium orangish-brown clayey SILT, trace fine gravel to coarse sand, moist (see photo)	0.0/0.0
15							
	11 8 11 20	SS-9 9.6	16.0 18.0		ML-MH	Similar to above -GLACIAL TILL-	0.0/0.0
	8 12 14 12	SS-10 21.6	18.0 20.0		ML-MH	Similar to above	0.0/0.0
20							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Component Percentage Estimates	
Term	Range
adjective modifier	20% - 50%
and	20% - 50%
some	20% - 33%
little	10% - 20%
trace	5% - 10%
with	present

Well Diagram: Riser Pipe, Screen, Filter Sand, Cuttings, Grout, Concrete, Bentonite Seal

Summary

Overburden (ft) 30.0
Rock Cored (ft) -
Samples S15

Boring No. SB-07-08

Sampler Type: S - Split Spoon Sampler U - Undisturbed Tube Sampler T - Thin Wall Tube Sampler

***NOTE: USCS Group Symbols based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.**

NOTE: Visual-Manual Identification and Description based upon Haley & Aldrich OP2001A - Field Practice for Soil Identification and Description.

H&A-TEST BORING-08 HA-LIB08-BETA.GLB HA-TB+CORE+WELL-08-BETA.GDT G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_TB.GPJ Jul 29, 08

HALEY & ALDRICH

TEST BORING REPORT

Boring No. SB-07-08
File No. 34507-000
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS* Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)	PID Readings (ppm) (sample/bkgd)
20	8 5 10 8	SS-11 21.6	20.0 22.0	435.4 21.0	MH- CL	Stiff to medium stiff medium orangish-brown clayey SILT, weak to medium plasticity, moist	0.0/0.0 0.0/0.0
	4 4 7 8	SS-12 14.4	22.0 24.0	433.6 22.8	SM	Medium dense medium brown silty fine SAND, wet	0.0/0.0
	24 28 32 36	SS-13 18	24.0 26.0	432.4 24.0	ML	Medium dense dark grayish-brown (purplish) fine sandy SILT, little to some fine gravel to coarse sand, moist	3.9/0.0
25	32 36 50/0.4	SS-14 12	26.0 28.0			-GLACIAL TILL-	0.0/0.0
	35 50/0.4	SS-15 7.2	28.0 30.0			Spoon refusal at 28.9 ft bgs	0.0/0.0
30				426.4 30.0		BOTTOM OF EXPLORATION 30.0 FT BGS	

*NOTE: USCS Group Symbols based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

Boring No. SB-07-08

NOTE: Visual-Manual Identification and Description based upon Haley & Aldrich OP2001A - Field Practice for Soil Identification and Description.

H&A-TEST BORING-08 HA-LIB08-BETA.GLB HA-TB+CORE+WELL-08-BETA.GDT G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_TB.GPJ Jul 29, 08

HALEY & ALDRICH — TEST BORING REPORT

Boring No. SB-07-09

Project SENECA FALLS MGP SITE, SENECA FALLS, NY
Client NYSEG
Contractor PARRATT - WOLFF

File No. 34507-000
Sheet No. 1 of 1
Start September 24, 2007
Finish September 24, 2007
Driller J. Lansing
H&A Rep. B. Zinni/T. Gross
Elevation 431.4
Datum NGVD 1988
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	S		Rig Make & Model: CME 850 on Track
Inside Diameter (in.)	4-1/4	2		Bit Type:
Hammer Weight (lb)			-	Drill Mud: None
Hammer Fall (in.)			-	Casing:
				Hoist/Hammer: Winch/ Automatic Hammer
				PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS* Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)
0	3 7 7 4	SS-1 12	0.0 2.0			Dense medium brown SILT, little organics, tan brick specks, dry
	9 13 7 7	SS-2 14.4	2.0 4.0			Similar to above with trace cinders, red brick and white hard plastic pieces -FILL-
				427.4		
	4 5 4 7	SS-3 14.4	4.0 6.0	4.0 426.4		Soft medium brown SILT, with little fine sand and organics, moist
5				5.0		
	2 2 2 4	SS-4 2.4	6.0 8.0			Medium dense light orangish brown fine sandy SILT, trace fine gravel, moist -FILL-
	50/0.4	SS-5 2.4	8.0 8.5	422.9 8.5		Similar to above, water in borehole at approximately 8.0 ft bgs
						REFUSAL AT 8.5 FT BGS LIKELY TOP OF BEDROCK
						Note: PID readings not recoreded due to instrument malfunction.

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Component Percentage Estimates

Term	Range
adjective modifier	20% - 50%
and	20% - 50%
some	20% - 33%
little	10% - 20%
trace	5% - 10%
with	present

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 8.5
Rock Cored (ft) -
Samples S5

Boring No. SB-07-09

Sampler Type: S - Split Spoon Sampler U - Undisturbed Tube Sampler T - Thin Wall Tube Sampler

***NOTE: USCS Group Symbols based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.**

NOTE: Visual-Manual Identification and Description based upon Haley & Aldrich OP2001A - Field Practice for Soil Identification and Description.

H&A-TEST BORING-08 HA-LIB08-BETA.GLB HA-TB+CORE+WELL-08-BETA.GDT P:\34507_SENECAFALLS\002\FIELD DATA\34507-002_TB.GPJ Apr 1, 13

HALEY & ALDRICH

TEST BORING REPORT

Boring No. SB-07-10

Project SENECA FALLS MGP SITE, SENECA FALLS, NY
Client NYSEG
Contractor PARRATT - WOLFF

File No. 34507-000
Sheet No. 1 of 1
Start September 24, 2007
Finish September 24, 2007
Driller J. Lansing
H&A Rep. T. Gross
Elevation 433.0
Datum NGVD 1988
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	S		Rig Make & Model: CME 850 on Track
Inside Diameter (in.)	4-1/4	2		Bit Type:
Hammer Weight (lb)			-	Drill Mud: None
Hammer Fall (in.)			-	Casing:
				Hoist/Hammer: Winch/ Automatic Hammer
				PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS* Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)	PID Readings (ppm) (sample/bkgd)
0	4 4 8 13	SS-1 16.8	0.0 2.0		ML	Medium dense medium brown sandy SILT, with some angular fine gravel and coarse sand, moist -FILL-	0.1/0.0
	8 11 10 9	SS-2 16.8	2.0 4.0	430.0 3.0	ML SM	Similar to above Medium dense light brown silty SAND, with some angular coarse to fine gravel, moist	0.3/0.0
5	7 9 10 21	SS-3 12	4.0 6.0	429.0 4.0	ML	Medium dense light brown fine sandy SILT, with angular coarse to fine gravel, moist to wet at 5.0 ft bgs -GLACIAL TILL-	0.1/0.0
	11 17 27 25	SS-4 12	6.0 8.0		ML	Similar to above Black mottling and possible very weak mothball-like odor at 6.8 ft	0.7/0.0
	75/0.1	SS-5 2.4	8.0 8.2	424.8 8.2		Crushed rock, moist, possible very weak mothball-like odor Note: Spoon refusal at 8.1 ft bgs. Auger refusal 8.2 ft bgs. REFUSAL AT 8.2 FT BGS LIKELY TOP OF BEDROCK	0.8/0.0

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Component Percentage Estimates

Term	Range
adjective modifier	20% - 50%
and	20% - 50%
some	20% - 33%
little	10% - 20%
trace	5% - 10%
with	present

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 8.2
Rock Cored (ft) -
Samples S5

Boring No. SB-07-10

Sampler Type: S - Split Spoon Sampler U - Undisturbed Tube Sampler T - Thin Wall Tube Sampler

***NOTE: USCS Group Symbols based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.**

NOTE: Visual-Manual Identification and Description based upon Haley & Aldrich OP2001A - Field Practice for Soil Identification and Description.

H&A-TEST BORING-08 HA-LIB08-BETA.GLB HA-TB+CORE+WELL-08-BETA.GDT G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_TB.GPJ Jul 29, 08

HALEY & ALDRICH

DIRECT PUSH PROBE REPORT

Probe No. SB-07-11

Project SENECA FALLS FORMER MGP, SENECA FALLS, NY
Client NYSEG
Contractor PARRATT WOLFF

File No. 34507-002
Sheet No. 1 of 1
Start November 15, 2007
Finish November 15, 2007
Driller M. Clark
H&A Rep. T. Gross

Sampler Diameter (in.): 1-1/2
Rig Make & Model: Tractor-mounted power probe
PID Make & Model: MiniRAE 2000 11.6 eV

Elevation 446.1
Datum NAVD 1988
Location See Plan

Depth (ft)	Push No. & Depth (ft)	Sample No. & Depth Range	Stratum Change Elev/Depth (ft)	USCS* Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Recovery, color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)	PID Readings (ppm) (sample/bkgd)
0	P-1 0.0 - 2.0	S-1 0.0 - 2.0			-TOPSOIL-	0.0/0.0
					Loose dark brown SILT, trace coarse to fine sand, roots and coal, moist (due to rain)	
			445.0 1.1		Loose gray ASH, trace coal specks to fragments, dry	0.0/0.0
	P-2 2.0 - 4.0	S-2 2.0 - 3.6			Similar to above	0.0/0.0
					-FILL-	
			443.1 3.0		Red brick from 3.0 to 3.2 ft	0.0/0.0
					3.2 to 3.6 ft: Medium dense tan fine SAND, dry	
	P-3 4.0 - 6.0	S-3 4.0 - 5.3			4.0 to 4.5 ft: Similar to above	0.0/0.0
			441.6 4.5		4.5 to 5.3 ft: Loose tan coarse to fine SAND, little red and tan brick fragments, dry	0.0/0.0
5					-FILL-	
	P-4 6.0 - 8.0	S-4 6.0 - 7.5			6.0 to 6.5 ft: Similar to above	0.0/0.0
			439.6 6.5	ML	6.5 to 7.5 ft: Hard tan SILT, trace coarse to fine sand and fine gravel, dry	0.0/0.0
					-GLACIAL TILL-	
			438.1 8.0		BOTTOM OF EXPLORATION 8.0 FT	
					Note: Backfilled to 0.5 ft with hydrated bentonite chips, soil cuttings 0 - 0.5 ft.	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Component Percentage Estimates

Term	Range
adjective modifier	20% - 50%
and	20% - 50%
some	20% - 33%
little	10% - 20%
trace	5% - 10%
with	present

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 8.6
Samples 4

Probe No. SB-07-11

*NOTE: USCS Group Symbols based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

NOTE: Visual-Manual Identification and Description based upon Haley & Aldrich OP2001A - Field Practice for Soil Identification and Description.

H&A-DIRECT PUSH-08 HA-LIB08-BETA.GLB HA-DIRECT PUSH-08.GDT G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_DP.GPJ Jul 29, 08

HALEY & ALDRICH — DIRECT PUSH PROBE REPORT

Probe No. SB-07-12

Project SENECA FALLS FORMER MGP, SENECA FALLS, NY
Client NYSEG
Contractor PARRATT WOLFF

File No. 34507-002
Sheet No. 1 of 1
Start November 15, 2007
Finish November 15, 2007
Driller M. Clark
H&A Rep. T. Gross

Sampler Diameter (in.): 1-1/2
Rig Make & Model: Tractor-mounted power probe
PID Make & Model: MiniRAE 2000 11.6 eV

Elevation 438.6
Datum NAVD 1988
Location See Plan

Depth (ft)	Push No. & Depth (ft)	Sample No. & Depth Range	Stratum Change Elev/Depth (ft)	USCS* Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Recovery, color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)	PID Readings (ppm) (sample/bkgd)
0	P-1 0.0 - 2.0	S-1 0.0 - 1.5	438.3		Loose dark brown SILT, trace roots and white ceramics, moist (due to rain)	0.0/0.0
			0.3		-TOPSOIL-	0.0/0.0
					Medium dense medium brown SILT, little coal, red and tan brick and ceramic fragments, moist	
					-FILL-	
			436.6			
	P-2 2.0 - 4.0	S-2 2.0 - 3.5	2.0	ML	Hard tan-brown SILT, little fine gravel and coarse to fine sand, wet	0.0/0.0
					-TILL-	
			434.2			
			4.4		BOTTOM OF EXPLORATION 4.4 FT	
					Note: Backfilled to 0.5 ft with hydrated bentonite chips, soil cuttings 0 - 0.5 ft.	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Component Percentage Estimates

Term	Range
adjective modifier	20% - 50%
and	20% - 50%
some	20% - 33%
little	10% - 20%
trace	5% - 10%
with	present

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 4.4
Samples 2

Probe No. SB-07-12

*NOTE: USCS Group Symbols based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

NOTE: Visual-Manual Identification and Description based upon Haley & Aldrich OP2001A - Field Practice for Soil Identification and Description.

H&A-DIRECT PUSH-08 HA-LIB08-BETA.GLB HA-DIRECT PUSH-08.GDT G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_DP.GPJ Jul 29, 08

HALEY & ALDRICH

DIRECT PUSH PROBE REPORT

Probe No. SB-07-13

Project SENECA FALLS FORMER MGP, SENECA FALLS, NY
Client NYSEG
Contractor PARRATT WOLFF

File No. 34507-002
Sheet No. 1 of 1
Start November 15, 2007
Finish November 15, 2007
Driller M. Clark
H&A Rep. T. Gross

Sampler Diameter (in.): 1-1/2
Rig Make & Model: Tractor-mounted power probe
PID Make & Model: MiniRAE 2000 11.6 eV

Elevation 440.4
Datum NAVD 1988
Location See Plan

Depth (ft)	Push No. & Depth (ft)	Sample No. & Depth Range	Stratum Change Elev/Depth (ft)	USCS* Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Recovery, color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)	PID Readings (ppm) (sample/bkgd)
0	P-1 0.0 - 2.0	S-1 0.0 - 1.5	440.2		Loose dark brown SILT, little tan brick and white ceramic fragments, moist	0.0/0.0
			0.2		Loose white ceramic and tan brick fragments, little coal and cinder fragments and ash, trace red brick, moist	0.0/0.0
	P-2 2.0 - 4.0	S-2 2.0 - 2.1			Slag in shoe - no recovery	
					-FILL-	
			436.4			
	P-3 4.0 - 6.0	S-3 4.0 - 6.0	4.0	ML	Hard tan-brown SILT, trace fine gravel, few fine sand laminations (high angle, approximately 45° to 90°) at 4.8 to 5.2 ft and 5.6 ft, moist	0.0/0.0
5					-GLACIAL TILL-	
			434.4			
			6.0		BOTTOM OF EXPLORATION 6.0 FT	
					Note: Backfilled to 0.5 ft with hydrated bentonite chips, soil cuttings 0 - 0.5 ft.	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Component Percentage Estimates

Term	Range
adjective modifier	20% - 50%
and	20% - 50%
some	20% - 33%
little	10% - 20%
trace	5% - 10%
with	present

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 6.0
Samples 3

Probe No. SB-07-13

*NOTE: USCS Group Symbols based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

NOTE: Visual-Manual Identification and Description based upon Haley & Aldrich OP2001A - Field Practice for Soil Identification and Description.

H&A-DIRECT PUSH-08 HA-LIB08-BETA.GLB HA-DIRECT PUSH-08.GDT G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_DP.GPJ Jul 29, 08

HALEY & ALDRICH

DIRECT PUSH PROBE REPORT

Probe No. SB-07-14

Project SENECA FALLS FORMER MGP, SENECA FALLS, NY
Client NYSEG
Contractor PARRATT WOLFF

File No. 34507-002
Sheet No. 1 of 1
Start November 15, 2007
Finish November 15, 2007
Driller M. Clark
H&A Rep. T. Gross

Sampler Diameter (in.): 1-1/2
Rig Make & Model: Tractor-mounted power probe
PID Make & Model: MiniRAE 2000 11.6 eV

Elevation 442.3
Datum NAVD 1988
Location See Plan

Depth (ft)	Push No. & Depth (ft)	Sample No. & Depth Range	Stratum Change Elev/Depth (ft)	USCS* Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Recovery, color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)	PID Readings (ppm) (sample/bkgd)
0	P-1 0.0 - 2.0	S-1 0.0 - 1.0	442.2 0.1		-TOPSOIL-	0.0/0.0
					Loose white ceramic pieces, little coal and cinder fragments, tan brick and ash, moist	
	P-2 2.0 - 4.0	S-2 2.0 - 3.0			Similar to above	0.0/0.0
					-FILL-	
	P-3 4.0 - 6.0	S-3 4.0 - 5.0			Similar to above	0.0/0.0
5			436.3 6.0	ML	Hard tan-brown SILT, little fine gravel, dry	0.0/0.0
	P-4 6.0 - 8.0	S-4 6.0 - 8.0			-GLACIAL TILL-	
			434.3 8.0		BOTTOM OF EXPLORATION 8.0 FT	
					Note: Backfilled to 0.5 ft with hydrated bentonite chips, soil cuttings 0 - 0.5 ft.	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Component Percentage Estimates

Term	Range
adjective modifier	20% - 50%
and	20% - 50%
some	20% - 33%
little	10% - 20%
trace	5% - 10%
with	present

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 8.0
Samples 4

Probe No. SB-07-14

*NOTE: USCS Group Symbols based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

NOTE: Visual-Manual Identification and Description based upon Haley & Aldrich OP2001A - Field Practice for Soil Identification and Description.

H&A-DIRECT PUSH-08 HA-LIB08-BETA.GLB HA-DIRECT PUSH-08.GDT G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_DP.GPJ Jul 29, 08

DIRECT PUSH PROBE REPORT

HALEY & ALDRICH

Probe No. SB-07-15

Project SENECA FALLS FORMER MGP, SENECA FALLS, NY
Client NYSEG
Contractor PARRATT WOLFF

File No. 34507-002
Sheet No. 1 of 1
Start November 15, 2007
Finish November 15, 2007
Driller M. Clark
H&A Rep. T. Gross

Sampler Diameter (in.): 1-1/2
Rig Make & Model: Tractor-mounted power probe
PID Make & Model: MiniRAE 2000 11.6 eV

Elevation 447.8
Datum NAVD 1988
Location See Plan

Depth (ft)	Push No. & Depth (ft)	Sample No.& Depth Range	Stratum Change Elev/Depth (ft)	USCS* Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Recovery, color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)	PID Readings (ppm) (sample/bkgd)
0	P-1 0.0 - 2.0	S-1 0.0 - 2.0			Loose dark brown SILT, trace roots, ash, coal fragments and fine gravel, moist (due to rain)	0.0/0.0
			446.8 1.0		-TOPSOIL-	
					Loose medium brown medium to fine SAND, little fine gravel, trace red brick and coal fragments, dry	0.0/0.0
	P-2 2.0 - 4.0	S-2 2.0 - 4.0			Similar to above	
					-FILL-	
			444.8 3.0	ML	Hard tan-brown SILT, trace fine gravel, dry	0.0/0.0
					-GLACIAL TILL-	
			443.8 4.0		BOTTOM OF EXPLORATION	
					Note: Backfilled to 0.5 ft with hydrated bentonite chips, soil cuttings 0 - 0.5 ft.	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Component Percentage Estimates

Term	Range
adjective modifier	20% - 50%
and	20% - 50%
some	20% - 33%
little	10% - 20%
trace	5% - 10%
with	present

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 4.0
Samples 2

Probe No. SB-07-15

*NOTE: USCS Group Symbols based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

NOTE: Visual-Manual Identification and Description based upon Haley & Aldrich OP2001A - Field Practice for Soil Identification and Description.

H&A-DIRECT PUSH-08 HA-LIB08-BETA.GLB HA-DIRECT PUSH-08.GDT G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_DP.GPJ Jul 29, 08

HALEY & ALDRICH

DIRECT PUSH PROBE REPORT

Probe No. SB-07-16

Project SENECA FALLS FORMER MGP, SENECA FALLS, NY
Client NYSEG
Contractor PARRATT WOLFF

File No. 34507-002
Sheet No. 1 of 1
Start November 15, 2007
Finish November 15, 2007
Driller M. Clark
H&A Rep. T. Gross

Sampler Diameter (in.): 1-1/2
Rig Make & Model: Tractor-mounted power probe
PID Make & Model: MiniRAE 2000 11.6 eV

Elevation 443.6
Datum NAVD 1988
Location See Plan

Depth (ft)	Push No. & Depth (ft)	Sample No.& Depth Range	Stratum Change Elev/Depth (ft)	USCS* Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Recovery, color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)	PID Readings (ppm) (sample/bkgd)
0	P-1 0.0 - 2.0	S-1 0.0 - 1.6	443.3 0.3		Loose dark brown SILT, trace fine gravel and roots, moist (due to rain) -TOPSOIL-	0.0/0.0
					Loose white ceramics, little ash, coal fragments, moist (due to rain)	
			442.3 1.3		Loose/friable tan-brown SILT, some coal fragments, dry	0.0/0.0
	P-2 2.0 - 4.0	S-2 2.0 - 3.5			Loose/friable tan-brown SILT, little coal, tan and red brick fragments, dry	0.0/0.0
					-FILL-	
	P-3 4.0 - 6.0	S-3 4.0 - 5.5	439.2 4.4		Similar to above	0.0/0.0
5				ML	Dense tan-brown SILT, little coarse to fine sand and fine gravel, moist	0.0/0.0
					-GLACIAL TILL-	
			437.6 6.0		BOTTOM OF EXPLORATION 6.0 FT	
					Note: Backfilled to 0.5 ft with hydrated bentonite chips, soil cuttings 0 - 0.5 ft.	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Component Percentage Estimates

Term	Range
adjective modifier	20% - 50%
and	20% - 50%
some	20% - 33%
little	10% - 20%
trace	5% - 10%
with	present

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 6.0
Samples 3

Probe No. SB-07-16

*NOTE: USCS Group Symbols based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

NOTE: Visual-Manual Identification and Description based upon Haley & Aldrich OP2001A - Field Practice for Soil Identification and Description.

H&A-DIRECT PUSH-08 HA-LIB08-BETA.GLB HA-DIRECT PUSH-08.GDT G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_DP.GPJ Jul 29, 08

HALEY & ALDRICH

DIRECT PUSH PROBE REPORT

Probe No. SB-07-17

Project SENECA FALLS FORMER MGP, SENECA FALLS, NY
Client NYSEG
Contractor PARRATT WOLFF

File No. 34507-002
Sheet No. 1 of 1
Start November 15, 2007
Finish November 15, 2007
Driller M. Clark
H&A Rep. T. Gross

Sampler Diameter (in.): 1-1/2
Rig Make & Model: Tractor-mounted power probe
PID Make & Model: MiniRAE 2000 11.6 eV

Elevation 441.9
Datum NAVD 1988
Location See Plan

Depth (ft)	Push No. & Depth (ft)	Sample No.& Depth Range	Stratum Change Elev/Depth (ft)	USCS* Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Recovery, color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)	PID Readings (ppm) (sample/bkgd)
0	P-1 0.0 - 2.0	S-1 0.0 - 1.5			Loose dark brown SILT, little red and tan brick fragments, cinders and ceramics, moist (due to rain)	0.0/0.0
					-FILL-	
	P-2 2.0 - 4.0	S-2 2.0 - 4.0			Similar to above	0.0/0.0
			438.9 3.0	ML	Hard tan-brown SILT, little fine gravel and coarse sand, dry to moist	0.0/0.0
					-GLACIAL TILL-	
			437.9 4.0		BOTTOM OF EXPLORATION 4.0 FT	
					Note: Backfilled to 0.5 ft with hydrated bentonite chips, soil cuttings 0 - 0.5 ft.	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Component Percentage Estimates

Term	Range
adjective modifier	20% - 50%
and	20% - 50%
some	20% - 33%
little	10% - 20%
trace	5% - 10%
with	present

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 4.0
Samples 2

Probe No. SB-07-17

*NOTE: USCS Group Symbols based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

NOTE: Visual-Manual Identification and Description based upon Haley & Aldrich OP2001A - Field Practice for Soil Identification and Description.

H&A-DIRECT PUSH-08 HA-LIB08-BETA.GLB HA-DIRECT PUSH-08.GDT G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_DP.GPJ Jul 29, 08

HALEY & ALDRICH

DIRECT PUSH PROBE REPORT

Probe No. SB-07-18

Project SENECA FALLS FORMER MGP, SENECA FALLS, NY
Client NYSEG
Contractor PARRATT WOLFF

File No. 34507-002
Sheet No. 1 of 1
Start November 15, 2007
Finish November 15, 2007
Driller M. Clark
H&A Rep. T. Gross

Sampler Diameter (in.): 1-1/2
Rig Make & Model: Tractor-mounted power probe
PID Make & Model: MiniRAE 2000 11.6 eV

Elevation 446.1
Datum NAVD 1988
Location See Plan

Depth (ft)	Push No. & Depth (ft)	Sample No. & Depth Range	Stratum Change Elev/Depth (ft)	USCS* Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Recovery, color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)	PID Readings (ppm) (sample/bkgd)
0	P-1 0.0 - 2.0	S-1 0.0 - 1.5	445.9 0.2		Loose dark brown SILT, little fine gravel and organics, moist (due to rain) -TOPSOIL-	0.0/0.0
					Medium dense medium brown fine sandy SILT, little coal and cinder fragments, moist	
	P-2 2.0 - 4.0	S-2 2.0 - 3.7			Loose medium brown coarse to fine sandy SILT, some coal and cinders, red and tan brick, ash, white ceramics, moist -FILL-	0.0/0.0
	P-3 4.0 - 6.0	S-3 4.0 - 6.0	441.7 4.4		Similar to above	0.0/0.0
5				ML	Hard tan-brown SILT, little fine gravel and coarse sand, dry -GLACIAL TILL-	0.0/0.0
			440.1 6.0		BOTTOM OF EXPLORATION 6.0 FT	
					Note: Backfilled to 0.5 ft with hydrated bentonite chips, soil cuttings 0 - 0.5 ft.	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Component Percentage Estimates

Term	Range
adjective modifier	20% - 50%
and	20% - 50%
some	20% - 33%
little	10% - 20%
trace	5% - 10%
with	present

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 6.0
Samples 3

Probe No. SB-07-18

*NOTE: USCS Group Symbols based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

NOTE: Visual-Manual Identification and Description based upon Haley & Aldrich OP2001A - Field Practice for Soil Identification and Description.

H&A-DIRECT PUSH-08 HA-LIB08-BETA.GLB HA-DIRECT PUSH-08.GDT G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_DP.GPJ Jul 29, 08

HALEY & ALDRICH

DIRECT PUSH PROBE REPORT

Probe No. SB-07-19

Project SENECA FALLS FORMER MGP, SENECA FALLS, NY
Client NYSEG
Contractor PARRATT WOLFF

File No. 34507-002
Sheet No. 1 of 1
Start November 15, 2007
Finish November 15, 2007
Driller M. Clark
H&A Rep. T. Gross

Sampler Diameter (in.): 1-1/2
Rig Make & Model: Tractor-mounted power probe
PID Make & Model: MiniRAE 2000 11.6 eV

Elevation 442.5
Datum NAVD 1988
Location See Plan

Depth (ft)	Push No. & Depth (ft)	Sample No. & Depth Range	Stratum Change Elev/Depth (ft)	USCS* Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Recovery, color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)	PID Readings (ppm) (sample/bkgd)
0	P-1 0.0 - 2.0	S-1 0.0 - 1.0	442.1 0.4		Loose dark brown SILT, little fine gravel, coal and cinder fragments, moist (due to rain)	
					Loose ash, some coal and cinder fragments and white ceramic pieces, trace red and tan brick, moist	0.0/0.0
	P-2 2.0 - 4.0	S-2 2.0 - 4.0			Similar to above	0.0/0.0
					-FILL-	
			438.7 3.8		Very hard tan-brown SILT, little fine gravel, moist	0.0/0.0
5	P-3 4.0 - 6.0	S-3 4.0 - 6.0			-GLACIAL TILL-	
			436.5 6.0		BOTTOM OF EXPLORATION 6.0 FT	
					Note: Backfilled to 0.5 ft with hydrated bentonite chips, soil cuttings 0 - 0.5 ft.	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Component Percentage Estimates

Term	Range
adjective modifier	20% - 50%
and	20% - 50%
some	20% - 33%
little	10% - 20%
trace	5% - 10%
with	present

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 6.0
Samples 3

Probe No. SB-07-19

*NOTE: USCS Group Symbols based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

NOTE: Visual-Manual Identification and Description based upon Haley & Aldrich OP2001A - Field Practice for Soil Identification and Description.

H&A-DIRECT PUSH-08 HA-LIB08-BETA.GLB HA-DIRECT PUSH-08.GDT G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_DP.GPJ Jul 29, 08

HALEY & ALDRICH

DIRECT PUSH PROBE REPORT

Probe No. SB-07-20

Project SENECA FALLS FORMER MGP, SENECA FALLS, NY
Client NYSEG
Contractor PARRATT WOLFF

File No. 34507-002
Sheet No. 1 of 1
Start November 15, 2007
Finish November 15, 2007
Driller M. Clark
H&A Rep. T. Gross

Sampler Diameter (in.): 1-1/2
Rig Make & Model: Tractor-mounted power probe
PID Make & Model: MiniRAE 2000 11.6 eV

Elevation 449.1
Datum NAVD 1988
Location See Plan

Depth (ft)	Push No. & Depth (ft)	Sample No.& Depth Range	Stratum Change Elev/Depth (ft)	USCS* Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Recovery, color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)	PID Readings (ppm) (sample/bkgd)
0	P-1 0.0 - 2.0	S-1 0.0 - 2.0			Loose dark brown SILT, little coarse to fine sand, organics, moist (due to rain)	0.0/0.0
			448.1		-TOPSOIL-	
			1.0		Medium dense tan SILT, some red brick, tan decomposed brick, coal, trace fine gravel, dry	0.0/0.0
			447.1		-FILL-	
	P-2 2.0 - 4.0	S-2 2.0 - 4.0	2.0	ML	Hard tan SILT, trace fine gravel, dry	0.0/0.0
					-GLACIAL TILL-	
			445.1			
			4.0		BOTTOM OF EXPLORATION 4.0 FT	
					Note: Backfilled to 0.5 ft with hydrated bentonite chips, soil cuttings 0 - 0.5 ft.	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Component Percentage Estimates

Term	Range
adjective modifier	20% - 50%
and	20% - 50%
some	20% - 33%
little	10% - 20%
trace	5% - 10%
with	present

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 4.0
Samples 2

Probe No. SB-07-20

*NOTE: USCS Group Symbols based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

NOTE: Visual-Manual Identification and Description based upon Haley & Aldrich OP2001A - Field Practice for Soil Identification and Description.

H&A-DIRECT PUSH-08 HA-LIB08-BETA.GLB HA-DIRECT PUSH-08.GDT G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_DP.GPJ Jul 29, 08

HALEY & ALDRICH

DIRECT PUSH PROBE REPORT

Probe No. SB-07-21

Project SENECA FALLS FORMER MGP, SENECA FALLS, NY
Client NYSEG
Contractor PARRATT WOLFF

File No. 34507-002
Sheet No. 1 of 1
Start November 15, 2007
Finish November 15, 2007
Driller M. Clark
H&A Rep. T. Gross

Sampler Diameter (in.): 1-1/2
Rig Make & Model: Tractor-mounted power probe
PID Make & Model: MiniRAE 2000 11.6 eV

Elevation 446.4
Datum NAVD 1988
Location See Plan

Depth (ft)	Push No. & Depth (ft)	Sample No.& Depth Range	Stratum Change Elev/Depth (ft)	USCS* Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Recovery, color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)	PID Readings (ppm) (sample/bkgd)
0	P-1 0.0 - 2.0	S-1 0.0 - 2.0	445.9 0.5		Loose dark brown SILT, trace roots, tan brick and ceramic fragments, moist (due to rain)	
					Loose white ceramic fragments, little coal and tan brick fragments, moist	0.0/0.0
			444.9 1.5		Medium dense brown SILT, trace fine sand and white ceramic pieces	
	P-2 2.0 - 4.0	S-2 2.0 - 4.0	444.4 2.0		Loose tan-brown SILT, little fine gravel and coarse to fine sand, trace red brick and coal fragments, moist to dry	0.0/0.0
			443.9 2.5	ML	-FILL-	0.0/0.0
					Hard tan-brown SILT, little fine gravel, dry	
					-GLACIAL TILL-	
			442.4 4.0		BOTTOM OF EXPLORATION 4.0 FT	
					Note: Backfilled to 0.5 ft with hydrated bentonite chips, soil cuttings 0 - 0.5 ft.	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Component Percentage Estimates

Term	Range
adjective modifier	20% - 50%
and	20% - 50%
some	20% - 33%
little	10% - 20%
trace	5% - 10%
with	present

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 4.0
Samples 2

Probe No. SB-07-21

*NOTE: USCS Group Symbols based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

NOTE: Visual-Manual Identification and Description based upon Haley & Aldrich OP2001A - Field Practice for Soil Identification and Description.

H&A-DIRECT PUSH-08 HA-LIB08-BETA.GLB HA-DIRECT PUSH-08.GDT G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_DP.GPJ Jul 29, 08

HALEY & ALDRICH

DIRECT PUSH PROBE REPORT

Probe No. SB-07-22

Project SENECA FALLS FORMER MGP, SENECA FALLS, NY
Client NYSEG
Contractor PARRATT WOLFF

File No. 34507-002
Sheet No. 1 of 1
Start November 15, 2007
Finish November 15, 2007
Driller M. Clark
H&A Rep. T. Gross

Sampler Diameter (in.): 1-1/2
Rig Make & Model: Tractor-mounted power probe
PID Make & Model: MiniRAE 2000 11.6 eV

Elevation 443.7
Datum NAVD 1988
Location See Plan

Depth (ft)	Push No. & Depth (ft)	Sample No.& Depth Range	Stratum Change Elev/Depth (ft)	USCS* Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Recovery, color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)	PID Readings (ppm) (sample/bkgd)
0					Loose dark brown SILT, trace fine sand and organics, moist (due to rain)	
	P-1 0.0 - 2.0	S-1 0.0 - 1.8	443.3 0.4		Loose to medium dense dark brown silty fine SAND, little coal, cinders, red and tan fragments and white ceramics, trace fine gravel, dry to moist	0.0/0.0
					-FILL-	
	P-2 2.0 - 4.0	S-2 2.0 - 4.0	441.4 2.3		Similar to above	
				ML	Hard tan-brown SILT, trace fine gravel and coarse sand, trace to few fine sand laminations throughout, dry	0.0/0.0
					-GLACIAL TILL-	
			439.7 4.0		BOTTOM OF EXPLORATION 4.0 FT	
					Note: Backfilled to 0.5 ft with hydrated bentonite chips, soil cuttings 0 - 0.5 ft.	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Component Percentage Estimates

Term	Range
adjective modifier	20% - 50%
and	20% - 50%
some	20% - 33%
little	10% - 20%
trace	5% - 10%
with	present

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 4.0
Samples 2

Probe No. SB-07-22

*NOTE: USCS Group Symbols based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

NOTE: Visual-Manual Identification and Description based upon Haley & Aldrich OP2001A - Field Practice for Soil Identification and Description.

H&A-DIRECT PUSH-08 HA-LIB08-BETA.GLB HA-DIRECT PUSH-08.GDT G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_DP.GPJ Jul 29, 08

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TEST BORING REPORT

Boring No. SB-08-01

Project SENECA FALLS MGP SITE, SENECA FALLS, NY
Client NYSEG
Contractor PARRATT - WOLFF

File No. 34507-000
Sheet No. 1 of 2
Start March 3, 2008
Finish March 4, 2008
Driller J. Perey
H&A Rep. T. Gross
Elevation
Datum NGVD 1988
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		S		Rig Make & Model: Little Beaver Tripod
Inside Diameter (in.)	4	2		Bit Type: Cutting Head
Hammer Weight (lb)		140	-	Drill Mud: Bentonite
Hammer Fall (in.)			-	Casing: Spun
				Hoist/Hammer: Cat-Head/ Doughnut Hammer
				PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS* Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)	PID Readings (ppm) (sample/bkgd)
0				0.5		Cored through 6.0 in. thick concrete to 1.0 ft below ground surface	
	1 3 5 8	SS-1 12	1.0 3.0			Medium dense medium orangish-brown fine SAND, moist	0.0/0.0
	4 3 5 5	SS-2 12	3.0 5.0			Similar to above -FILL-	0.0/0.0
5	3 3 2 2	SS-3 8	5.0 7.0	5.0		Hard medium orangish-brown clayey SILT, little coarse to fine sand and gravel, moist, low plasticity -FILL-	0.0/0.0
	6 1 1 1	SS-4 4	7.0 9.0	8.0		Similar to above Coarse material/change in drilling, some water loss at approximately 8.0 ft	0.0/0.0
10	3 1 1 10	SS-5 4	9.0 11.0			Brown coal, glass, and tan brick fragments, silt, coarse to fine sand and gravel, possibly wet -FILL-	0.0/0.0
	6 3 4 5	SS-6 4	11.0 13.0			Similar to above except weak MGP-type odor encountered Water loss at approximately 12.0 ft	0.7/0.0
	5 1 1 1	SS-7 3	13.0 15.0			Similar to above except some white ceramic fragments encountered, moderate fish-like odor	0.0/0.0
15	2 1 1 1	SS-8 3	15.0 17.0			Similar to above, moderate fish-like odor	0.0/0.0
	5 6 6 41	SS-9 3	17.0 19.0			Very loose, brown coarse to fine SAND, cinders, ceramic fragments, little red brick and coal fragments, red leather-type material	1.1/0.0
20	22 16	SS-10 4	19.0 20.2			Similar to above	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Component Percentage Estimates

Term	Range
adjective modifier	20% - 50%
and	20% - 50%
some	20% - 33%
little	10% - 20%
trace	5% - 10%
with	present

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 20.4
Rock Cored (ft) -
Samples S10

Boring No. SB-08-01

Sampler Type: S - Split Spoon Sampler U - Undisturbed Tube Sampler T - Thin Wall Tube Sampler

***NOTE: USCS Group Symbols based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.**

NOTE: Visual-Manual Identification and Description based upon Haley & Aldrich OP2001A - Field Practice for Soil Identification and Description.

H&A-TEST BORING-08 HA-LIB08-BETA.GLB HA-TB+CORE+WELL-08-BETA.GDT G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_TB.GPJ Jul 29, 08

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TEST BORING REPORT

Boring No. SB-08-01
File No. 34507-000
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS* Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)	PID Readings (ppm) (sample/bkgd)
20	50/0.2			20.4		CASING REFUSAL AT 20.4 FT REFUSAL ON FLAT/HARD OBJECT Note: Backfilled with bentonite chips from 20.4 to1.0 ft and concrete patch from 1.0 ft to 0.0 ft. Note: Moved 3.0 ft northwest of SB-08-03/MW-08-03 and drilled to 15.0 ft to set monitoring well MW-08-01.	

*NOTE: USCS Group Symbols based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

Boring No. SB-08-01

NOTE: Visual-Manual Identification and Description based upon Haley & Aldrich OP2001A - Field Practice for Soil Identification and Description.

H&A-TEST BORING-08 HA-LIB08-BETA.GLB HA-TB+CORE+WELL-08-BETA.GDT G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_TB.GPJ Jul 29, 08

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TEST BORING REPORT

Boring No. SB-08-02/ MW-08-02

Project SENECA FALLS MGP SITE, SENECA FALLS, NY
Client NYSEG
Contractor PARRATT - WOLFF

File No. 34507-000
Sheet No. 1 of 2
Start March 4, 2008
Finish March 4, 2008
Driller J. Perey
H&A Rep. T. Gross
Elevation
Datum NGVD 1988
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		S		Rig Make & Model: Little Beaver Tripod
Inside Diameter (in.)	4	3		Bit Type: Cutting Head
Hammer Weight (lb)		140	-	Drill Mud: None
Hammer Fall (in.)			-	Casing: Diven
				Hoist/Hammer: Cat-Head/ Doughnut Hammer
				PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Well Diagram	Stratum Change Elev/Depth (ft)	USCS* Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)	PID Readings (ppm) (sample/bkgd)
0					0.5		Cored through 6.0 in. concrete	
	4 5 4 11	SS-1 6	1.0 3.0				Medium dense medium orangish-brown fine SAND, moist to dry	0.0/0.0
	6 6 4 5	SS-2 4	3.0 5.0				Similar to above -FILL-	0.0/0.0
5	2 2 10 13	SS-3 16	5.0 7.0		6.0		Medium dense medium orangish-brown silty fine SAND, moist Medium dense medium brown SILT, some coarse to fine gravel, little coarse to fine sand, wet	0.0/0.0
	6 10 15 14	SS-4 14	7.0 9.0				Similar to above except very dense to dense, red brick fragments at approximately 8.5 ft below ground surface -FILL-	0.0/0.0
10	12 26 9 9	SS-5 3	9.0 11.0				Similar to above	0.0/0.0
	6 3 3 3	SS-6 3	11.0 13.0				Loose medium brown coarse to fine GRAVEL, little red brick, cinders, and silt, wet	0.0/0.0
	7 4 2 2	SS-7 3	13.0 15.0				Similar to above	0.0/0.0
15	5 1 3 2	SS-8 1	15.0 17.0				Similar to above	0.0/0.0
	8 4 4 4	SS-9 4	17.0 19.0				Similar to above, little ceramics, very weak MGP-type odor	0.2/0.0
	100/0.4	SS-10 4	19.0 19.5		19.5		Loose ceramic fragments, little glass, cinders, coal, wet, weak MGP-type odor SPOON REFUSAL AT 19.4 FT	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Component Percentage Estimates

Term	Range
adjective modifier	20% - 50%
and	20% - 50%
some	20% - 33%
little	10% - 20%
trace	5% - 10%
with	present

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 19.5
Rock Cored (ft) -
Samples S10

Boring No. SB-08-02/ MW-08-02

Sampler Type: S - Split Spoon Sampler U - Undisturbed Tube Sampler T - Thin Wall Tube Sampler

***NOTE: USCS Group Symbols based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.**

NOTE: Visual-Manual Identification and Description based upon Haley & Aldrich OP2001A - Field Practice for Soil Identification and Description.

H&A-TEST BORING-08 HA-LIB08-BETA.GLB HA-TB+CORE+WELL-08-BETA.GDT G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_TB.GPJ Jul 29, 08

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TEST BORING REPORT

Boring No. SB-08-02/ MW-08-02
File No. 34507-000
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Well Diagram	Stratum Change Elev/Depth (ft)	USCS* Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)	PID Readings (ppm) (sample/bkgd)
							CASING/CUTTING HEAD REFUSAL AT 19.5 FT Note: Installed Monitoring Well MW-08-02 upon completion.	

*NOTE: USCS Group Symbols based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

NOTE: Visual-Manual Identification and Description based upon Haley & Aldrich OP2001A - Field Practice for Soil Identification and Description.

H&A-TEST BORING-08 HA-LIB08-BETA.GLB HA-TB+CORE+WELL-08-BETA.GDT G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_TB.GPJ Jul 29, 08

HALEY & ALDRICH

TEST BORING REPORT

Boring No. SB-08-03/ MW-08-03

Project SENECA FALLS MGP SITE, SENECA FALLS, NY
Client NYSEG
Contractor PARRATT - WOLFF

File No. 34507-000
Sheet No. 1 of 2
Start March 5, 2008
Finish March 6, 2008
Driller J. Perey
H&A Rep. T. Gross
Elevation
Datum NGVD 1988
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		S		Rig Make & Model: Little Beaver Tripod
Inside Diameter (in.)	4	3		Bit Type: Roller Bit
Hammer Weight (lb)		140	-	Drill Mud: None
Hammer Fall (in.)			-	Casing: Diven
				Hoist/Hammer: Cat-Head/ Doughnut Hammer
				PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Well Diagram	Stratum Change Elev/Depth (ft)	USCS* Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)	PID Readings (ppm) (sample/bkgd)
0					0.5		Cored through concrete from 0.0 to 0.5 ft	
	17 17 14 15	SS-1 3	1.0 3.0				Medium dense medium orangish-brown fine SAND, dry	0.0/0.0
	11 20 18 6	SS-2 14	3.0 5.0		3.5		Similar to above Medium dense medium brown SILT, some cinders, red and tan brick fragments, fine gravel, coarse to fine sand, dry	0.1/0.0
5	19 12 16 16	SS-3 14	5.0 7.0		5.0		Black cinders, little silt	0.0/0.0
					6.0		Red and tan brick	
	14 19 10 8	SS-4 15	7.0 9.0		7.5		Black cinders, little silt, medium dense, dry	0.5/0.0
	16 30 31 43	SS-5 15	9.0 11.0		9.5		Similar to above, wet at 9.5 ft, weak MGP- and gas-type odor Hard medium grayish-brown clayey SILT, little fine gravel and coarse to fine sand, wet	2.4/0.0
10	18 36 34 48	SS-6 20	11.0 13.0				Similar to above except very hard, moist	0.2/0.0
	31 50/0.4	SS-7 0	13.0 13.9				No recovery	
15	50/0.4	SS-8 3	15.0 15.4				Similar to above, very hard, moist, weak MGP-type odor	0.6/0.0
					16.0		Medium dense medium brown gravelly SILT, wet Note: Water loss from approximately 16.0 to 18.5 ft.	
	33 50/0.0	SS-9 8	17.0 17.8		17.5		Very hard medium grayish-brown SILT, little fine gravel, moist, weak naphthalene-type odor	2.1/0.0
20	47 50	SS-10 12	19.0 20.4				Similar to above, moderate naphthalene-type odor, trace sticky black tar-like material stringers from approximately 19.5 to 21.2 ft	52.4/0.0

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Component Percentage Estimates

Term	Range
adjective modifier	20% - 50%
and	20% - 50%
some	20% - 33%
little	10% - 20%
trace	5% - 10%
with	present

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 31.1
Rock Cored (ft) -
Samples S16

Boring No. SB-08-03/ MW-08-03

Sampler Type: S - Split Spoon Sampler U - Undisturbed Tube Sampler T - Thin Wall Tube Sampler

***NOTE: USCS Group Symbols based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.**

NOTE: Visual-Manual Identification and Description based upon Haley & Aldrich OP2001A - Field Practice for Soil Identification and Description.

H&A-TEST BORING-08 HA-LIB08-BETA.GLB HA-TB+CORE+WELL-08-BETA.GDT G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_TB.GPJ Jul 29, 08

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TEST BORING REPORT

Boring No. SB-08-03/ MW-08-03
File No. 34507-000
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Well Diagram	Stratum Change Elev/Depth (ft)	USCS* Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, natural grain size and artificial component percentage estimates, manual test properties, structure, odors, moisture, other descriptions and observations GEOLOGIC INTERPRETATION)	PID Readings (ppm) (sample/bkgd)
20	50/0.4							
	31 28 48 60	SS-11 12	21.0 23.0		21.2		Medium grayish-brown silty CLAY, moist, low plasticity, moderate naphthalene-type odor, trace sticky black tar-like material stringers from 21.5 to 22.0 ft	135.0/0.0
	35 50/0.4	SS-12 4	23.0 23.9		23.0		Medium grayish-brown SILT with clay laminations, moist, sticky black tar-like material stringer at 23.4 ft, moderate naphthalene-like odor	87.5/0.0
25	50/0.2	SS-13 2	25.0 25.7				Similar to above	14.5/0.0
	50/0.3	SS-14 0.2	27.0 27.3		27.0		Very hard/dense medium grayish-brown SILT, little fine gravel, trace coarse to fine sand, moist, no odor	25.2/0.0
	50/0.3	SS-15 0.3	29.0 29.3				Similar to above	26.8/0.0
30	100/0.1	SS-16 0.0	31.0 31.1		31.1		No recovery ROLLER BIT REFUSAL AT 31.1 FT POSSIBLE TOP OF BEDROCK	

Note: Installed Monitoring Well MW-08-03 upon completion.

*NOTE: USCS Group Symbols based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

NOTE: Visual-Manual Identification and Description based upon Haley & Aldrich OP2001A - Field Practice for Soil Identification and Description.

H&A-TEST BORING-08 HA-LIB08-BETA.GLB HA-TB+CORE+WELL-08-BETA.GDT G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_TB.GPJ Jul 29, 08

HALEY & ALDRICH

SAMPLING RECORD

HA-09-01

PROJECT	Seneca Falls Former MGP	**H&A FILE NO.**	34507-015
LOCATION	Seneca Falls, New York	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**FIELD REP**	B. Zinni
CONTRACTOR	N/A	**DATE**	9/1/2009

Weather Partly cloudy **Temperature** 65 degrees F

Ground surface Conditions ☑ Dry ☐ Wet ☐ Damp ☐ Standing Water ☐ Snow (_____in) ☐ Other_____

Comments Soil samples collected with hand auger.

SOIL SAMPLING AND SURFACE WATER SAMPLING INFORMATION

Depth (in)	Sample Depth (in)	Stratum Change (in)	Sample Description
0			Dark brown elastic silt (MH), MPS = 1.5 inches, roots and organic material, no structure, no odor, moist
		3.0 in	-TOPSOIL-
	3.0 - 5.0 in		Brown silty sand with gravel (SM), MPS = 3 inches, brick fragments, no structure, no odor, moist
			-FILL-
			End of hand auger hole at 5.0 in
12			
24			
36			

General Comments: (ie: field filtrations, persons communicated with at site, etc.)

1. Soil sample collected 3.0 to 5.0 inches at 10:00.
2. Large brick fragment (greater than 4 inches) observed on side of auger hole.

HALEY & ALDRICH

SAMPLING RECORD

HA-09-02

PROJECT	Seneca Falls Former MGP	**H&A FILE NO.**	34507-015
LOCATION	Seneca Falls, New York	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**FIELD REP**	B. Zinni
CONTRACTOR	N/A	**DATE**	9/1/2009

Weather Partly cloudy **Temperature** 65 degrees F

Ground surface Conditions ☑ Dry ☐ Wet ☐ Damp ☐ Standing Water ☐ Snow (_____in) ☐ Other_____

Comments Soil samples collected with hand auger.

SOIL SAMPLING AND SURFACE WATER SAMPLING INFORMATION

Depth (in)	Sample Depth (in)	Stratum Change (in)	Sample Description
0			Brown silty sand (SM), MPS = 1.25 inches, roots and organic material, no structure, no odor, dry
		2.5 in	-TOPSOIL-
	2.5 - 4.5 in		Light brown silty sand with gravel (SM), MPS = 1.25 inches with approximately 5% coal-like material, no structure, no odor, dry
			-FILL-
			End of hand auger hole at 4.5 in
12			
24			
36			

General Comments: (ie: field filtrations, persons communicated with at site, etc.)

1. Soil sample collected 2.5 to 4.5 inches at 10:40.

HALEY & ALDRICH

SAMPLING RECORD

HA-09-03

PROJECT	Seneca Falls Former MGP	**H&A FILE NO.**	34507-015
LOCATION	Seneca Falls, New York	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**FIELD REP**	B. Zinni
CONTRACTOR	N/A	**DATE**	9/1/2009

Weather Partly cloudy **Temperature** 65 degrees F

Ground surface Conditions ☑ Dry ☐ Wet ☐ Damp ☐ Standing Water ☐ Snow (_____in) ☐ Other_____

Comments Soil samples collected with hand auger.

SOIL SAMPLING AND SURFACE WATER SAMPLING INFORMATION

Depth (in)	Sample Depth (in)	Stratum Change (in)	Sample Description
0			Brown silty sand (SM), MPS = 1.0 inch, grass roots, no structure, no odor, dry
		2.0 in	-TOPSOIL-
	2.0 - 4.0 in		Brown silty sand (SM), MPS = 1.0 inch with approximately 5% glass shards, coal-like material, and brick fragments, no structure, no odor, dry
			-FILL-
			End of hand auger hole at 4.0 in
12			
24			
36			

General Comments: (ie: field filtrations, persons communicated with at site, etc.)

1. Soil sample collected 2.0 to 4.0 inches at 11:05.
2. Piece of concrete ~2-inches in diameter observed at 2 inches below ground surface.

HALEY & ALDRICH

SAMPLING RECORD

HA-09-04

PROJECT	Seneca Falls Former MGP	**H&A FILE NO.**	34507-015
LOCATION	Seneca Falls, New York	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**FIELD REP**	B. Zinni
CONTRACTOR	N/A	**DATE**	9/1/2009

Weather Partly cloudy **Temperature** 65 degrees F

Ground surface Conditions ☑ Dry ☐ Wet ☐ Damp ☐ Standing Water ☐ Snow (_____in) ☐ Other_____

Comments Soil samples collected with hand auger.

SOIL SAMPLING AND SURFACE WATER SAMPLING INFORMATION

Depth (in)	Sample Depth (in)	Stratum Change (in)	Sample Description
0			Brown silty sand (SM), MPS = 0.5 inch, grass roots, no structure, no odor, moist
		2.0 in	-TOPSOIL-
			Gray-brown silt (ML), MPS = 0.25 inch, no structure, no odor, dry
		6.0 in	-TOPSOIL-
	6.0 - 8.0 in		Brown silty sand (SM), MPS = 1.25 inches with coal-like material, black mottling, no structure, no odor, dry
			-FILL-
			End of hand auger hole at 8.0 in
12			
24			
36			

General Comments: (ie: field filtrations, persons communicated with at site, etc.)

1. Soil sample collected 6.0 to 8.0 inches at 11:35.

HALEY & ALDRICH

SAMPLING RECORD

HA-09-05

PROJECT	Seneca Falls Former MGP	**H&A FILE NO.**	34507-015
LOCATION	Seneca Falls, New York	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**FIELD REP**	B. Zinni
CONTRACTOR	N/A	**DATE**	9/1/2009

Weather Partly cloudy **Temperature** 65 degrees F

Ground surface Conditions ☑ Dry ☐ Wet ☐ Damp ☐ Standing Water ☐ Snow (_____in) ☐ Other_____

Comments Soil samples collected with hand auger.

SOIL SAMPLING AND SURFACE WATER SAMPLING INFORMATION

Depth (in)	Sample Depth (in)	Stratum Change (in)	Sample Description
0			Dark brown silty sand (SM), no structure, no odor, moist
		0.5 in	-TOPSOIL-
	0.5 to 2.5 in		Brown silty sand (SM), MPS = 1.25 inches with approximately 5% coal-like material and metal fragments, no structure, no odor, dry -FILL-
			End of hand auger hole at 2.5 in
12			
24			
36			

General Comments: (ie: field filtrations, persons communicated with at site, etc.)

1. Soil sample collected 0.5 to 2.5 inches at 13:00.
2. No contact was made with property owner despite two attempts.

HALEY & ALDRICH

SAMPLING RECORD

HA-09-08

PROJECT	Seneca Falls Former MGP	**H&A FILE NO.**	34507-015
LOCATION	Seneca Falls, New York	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**FIELD REP**	B. Zinni
CONTRACTOR	N/A	**DATE**	9/1/2009

Weather Partly cloudy **Temperature** 65 degrees F

Ground surface Conditions ☑ Dry ☐ Wet ☐ Damp ☐ Standing Water ☐ Snow (_____in) ☐ Other_____

Comments Soil samples collected with hand auger.

SOIL SAMPLING AND SURFACE WATER SAMPLING INFORMATION

Depth (in)	Sample Depth (in)	Stratum Change (in)	Sample Description
0	0 to 2.0 in		Brown silty sand with gravel (SM), MPS = 1.5 inches, approximately 5% coal-like material and brick fragments, no structure, no odor, dry -REWORKED FILL-
			End of hand auger hole at 2.0 in
12			
24			
36			

General Comments: (ie: field filtrations, persons communicated with at site, etc.)

1. Soil sample collected 0 to 2.0 inches at 13:25.
2. Property owner indicated that he had reworked the fill material in the sampling area in the past.

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-02

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/11/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Very soft (mucky) dark brown SILT, little fine sand and organics
0.4		Soft brown clayey SILT, some to little fine sand, some to little organics
1		
2		
3		
4		
4.5		REFUSAL AT 4.5 FT
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

Soft Sed. Thickness: 1.0 ft
Penetration: 4.5 ft
Recovery: 1.75 ft
Water Depth: 3.0 ft
Samples:
SE-09-02 (0.0 to 0.5) for analysis
SE-09-02 (0.5 to 1.75) for archive

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-03

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/11/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Very soft (mucky) dark brown SILT, little fine sand and organics
0.4		
0.7		Soft brown clayey SILT, some to little fine sand
1		Organics
2		
3		REFUSAL AT 3.0 FT
4		
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top: 0.0 ft

Bottom: 3.0 ft

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

Soft Sed. Thickness: 3.0 ft
Penetration: 3.0 ft
Recovery: 1.0 ft
Water Depth: 6.0 ft
Samples:
SE-09-03 (0.0 to 0.5) for analysis
SE-09-03 (0.5 to 1.0) for archive

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-04

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/11/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Very soft (mucky) dark brown SILT and coarse to fine sand
0.5		Soft to medium stiff pink-brown clayey SILT, little fine sand, trace fine gravel, slight plasticity, wood layer at 0.6 ft - TILL -
1		
2		
3		
4		REFUSAL AT 4.0 FT
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

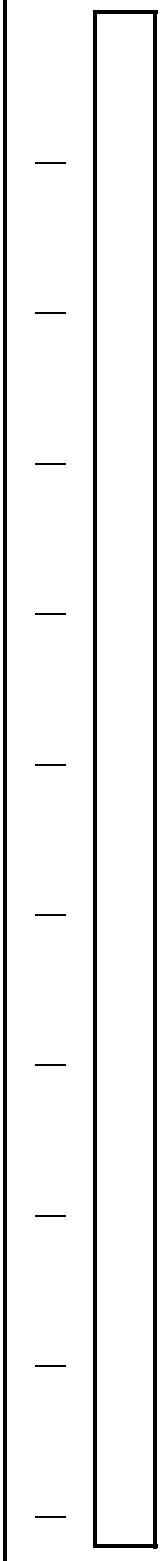
Soft Sed. Thickness: 0.5 ft
Penetration: 4.0 ft
Recovery: 1.4 ft
Water Depth: 2.6 ft
Samples:
SE-09-04 (0.0 to 0.5) for analysis
SE-09-04 (0.5 to 1.4) for archive

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-05

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/11/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Very soft brown to pink-brown SILT, some fine sand, non-plastic
0.5		Approximately 0.5-in. coal-like fragment at 0.5 ft
1		Weak burnt-like odor from 0.8 to 1.3 ft
2		
3		
		REFUSAL AT 3.0 FT
4		
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

Soft Sed. Thickness: 1.1 ft
Penetration: 3.0 ft
Recovery: 1.3 ft
Water Depth: 8.7 ft
Samples at 1213:
SE-09-05 (0.0 to 0.5) for analysis
SE-09-05 (0.5 to 1.3) for archive

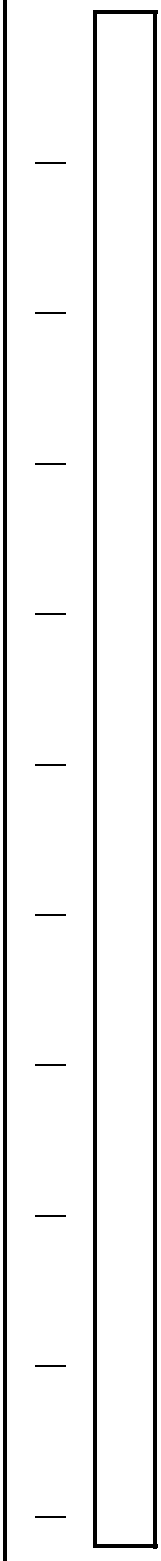
HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-08

Page 1 of 1

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/15/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Very soft dark brown SILT, little organics, trace fine sand, moderate organics/sewage-like odor
0.3		
0.7		Stiff brown SILT, little medium to coarse sand, little black mottling and trace TLM in/around coarse sand particles
1		Soft brown to pink-brown clayey SILT, little black mottling
1.5		
2		Soft dark brown SILT, some organics, (leaves, rootlets), trace fine sand, some black TLM (approximately 15%) in/along organics as stringers/partings, some black mottling, moderate naphthalene-like odor
3		
3.5		REFUSAL AT 3.5 FT
4		
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

"TLM" = Tar-like material

Remarks:

Soft Sed. Thickness: 3.0 ft
Penetration: 3.5 ft
Recovery: 2.0 ft
Water Depth: 6.0 ft
Samples:
SE-Dup-09-02 (0.0 to 0.5) MS/MSD,
SE-09-08 (0.5 to 1.5),
SE-09-08 (1.5 to 2.0) for analysis

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-08B

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	Drill 8/14/09
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Very soft dark brown SILT, little organics and fine sand, some black mottling
0.5		
		Soft brown to pink-brown silty CLAY, little black mottling, slight plasticity, moderate naphthalene-like odor
1		
1.1		
		Soft brown SILT, little organics (leaves, rootlets), trace fine sand, soft, strong naphthalene-like odor, black TLM (approximately 15%) in sample matrix with organics
2		Note: TLM - saturated partings.
2.3		
		Brown ORGANICS (leaves, grass, wood), little silt, approximately 30-40% TLM in sample matrix
3		
		REFUSAL AT 3.0 FT
4		
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

"TLM" = Tar-like material

Remarks:

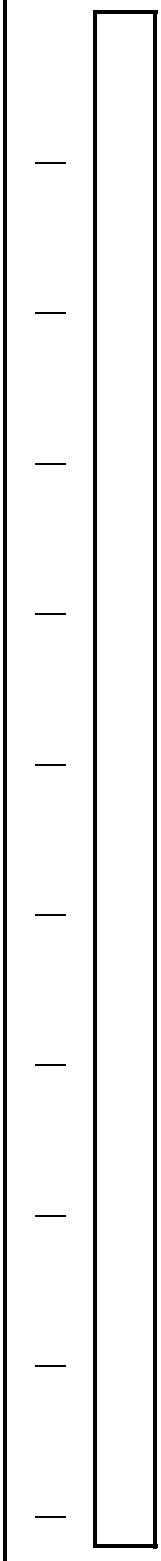
Soft Sed. Thickness: 2.7 ft
Penetration: 2.7 ft
Recovery: 3.0 ft
Water Depth: 6.3 ft
Samples:
SE-09-08B (0.0 to 0.5),
SE-09-08B (0.5 to 2.0),
SE-09-08B (2.0 to 3.0) for archive

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-08C

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/14/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Soft brown SILT, some to little fine sand, little to trace organics, little black mottling throughout
0.85		Brown ORGANICS (leaves, wood), little to trace silt, moderate naphthalene-like odor, approximately 5% black TLM in pore space
1		
2		
2.7		REFUSAL AT 2.7 FT
3		
4		
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

"TLM" = Tar-like material

Remarks:

Soft Sed. Thickness: 3.95 ft
Penetration: 3.95 ft
Recovery: 1.3 ft
Water Depth: 6.55 ft
Samples:
Core collected 8/14/09 at 1700
SE-09-8C (0.0 to 0.85),
SE-09-08C (0.85 to 1.3) for archive

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-08D

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/15/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Very soft (mucky) dark brown SILT, little fine sand and organics
0.5		Soft brown to pink-brown clayey SILT, some fine sand, little black mottling
1		
2		
3		REFUSAL AT 3.0 FT
4		
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

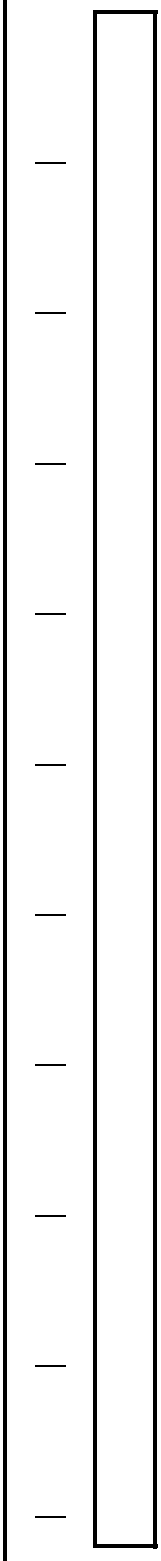
Soft Sed. Thickness: 1.6 ft
Penetration: 3.0 ft
Recovery: 1.0 ft
Water Depth: 6.1 ft
Samples:
SE-09-08D (0.0 to 0.5),
SE-09-08 (0.5 to 1.0) for archive

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-09

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/13/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Very soft (mucky) dark brown SILT, little organics and fine sand, trace fine to medium gravel, weak naphthalene-like odor
1		
1.9		
2		REFUSAL AT 1.9 FT
3		
4		
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

Soft Sed. Thickness: 0.65 ft
Penetration: 1.9 ft
Recovery: 0.8 ft
Water Depth: 7.7 ft
Sample:
SE-09-09 (0.0 to 0.8) for analysis

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-10

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/13/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Very soft dark brown SILT, little organics and fine sand
0.3		Brown to dark brown SILT, little organics and fine sand, little black mottling
1		
1.3		Brown to pink-brown clayey SILT, trace organics, slight plasticity, trace black TLM within sample matrix and along roots/organics, weak naphthalene-like odor
2		
3		
3.8		
4		REFUSAL AT 3.8 FT
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

"TLM" = Tar-like material

Remarks:

Soft Sed. Thickness: 3.2 ft
Penetration: 3.8 ft
Recovery: 2.0 ft
Water Depth: 5.2 ft
Samples:
SE-09-10 (0.0 to 0.8) for analysis
SE-09-10 (0.5 to 1.3),
SE-09-10 (1.3 to 2.0) for archive

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-12

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/13/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Very soft brown clayey SILT, little organics, trace fine sand
0.6		
1		Medium stiff to stiff brown to pink-brown CLAY, medium plasticity, organics (wood fragments) parting at 1.2 ft below sediment surface
1.7		
2		Brown to pink-brown clayey SILT, little organics (wood, roots, shells), trace fine sand, black TLM stringers in/along roots, heavy to moderate black staining, strong naphthalene-like odor
3		
4		
4.95		
5		REFUSAL AT 4.95 FT
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe.
"Penetration" reports hammer-driven sampling device penetration.

"TLM" = Tar-like material

Remarks:

Soft Sed. Thickness: 2.2 ft
Penetration: 4.95 ft
Recovery: 2.0 ft
Water Depth: 3.05 ft
Samples:
SE-09-12 (0.0 to 0.5) for analysis
SE-09-12 (0.5 to 1.7),
SE-09-12 (1.7 to 2.0) for archive

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-13

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/13/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Soft to very soft dark brown SILT to clayey SILT, trace shells and fine sand
0.6		
1		Soft brown to pink-brown silty CLAY, some black mottling, low plasticity
1.7		
2		Soft brown to pink-brown SILT to clayey SILT, trace organics (wood and shells), some black mottling
3		
4		
4.3		REFUSAL AT 4.3 FT
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe.
"Penetration" reports hammer-driven sampling device penetration.

Remarks:

Soft Sed. Thickness: 3.25 ft
Penetration: 4.3 ft
Recovery: 2.0 ft
Water Depth: 5.2 ft
Samples:
SE-09-13 (0.0 to 0.5) for analysis
SE-09-13 (0.5 to 2.0) for archive

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-14

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/12/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Soft to very soft dark brown clayey SILT to trace organics and fine sand
0.6		
1		Medium stiff to stiff pink-brown silty CLAY, medium to high plasticity
1.5		
2		Soft dark brown-black SILT, little organics, moderate to strong naphthalene-like odor
3		
4		
5		
5.7		
6		REFUSAL AT 5.7 FT
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

Soft Sed. Thickness: 2.35 ft
Penetration: 5.7 ft
Recovery: 2.0 ft
Water Depth: 3.0 ft
Samples at 1555:
SE-09-14 (0.0 to 0.5) for analysis
SE-09-14 (0.5 to 1.5),
SE-09-14 (1.5 to 2.0) for archive

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-15

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/12/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Soft dark brown SILT, little organics, trace fine sand
0.6		
1		Soft dark brown clayey SILT, little organics, slight plasticity, some black mottling throughout
1.3		Brown to pink-brown silty CLAY, low plasticity, trace black mottling throughout
2		
3		
3.5		REFUSAL AT 3.5 FT
4		
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

Soft Sed. Thickness: 3.5 ft
Penetration: 3.5 ft
Recovery: 3.5 ft
Water Depth: 4.0 ft
Samples:
SE-09-15 (0.0 to 0.5) for analysis
SE-09-15 (0.5 to 2.0) for archive

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-16

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/12/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Soft to very soft dark brown SILT, trace fine sand and organics
0.3		Similar to above except soft
1		
1.2		Soft to medium stiff brown to pink-brown clayey SILT, slight plasticity
2		
3		
4		
4.3		REFUSAL AT 4.3 FT
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

Soft Sed. Thickness: 3.95 ft
Penetration: 4.3 ft
Recovery: 2.0 ft
Water Depth: 4.2 ft
Samples:
SE-09-16 (0.0 to 0.5) for analysis
SE-09-16 (0.5 to 2.0) for archive

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-16B

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/15/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Soft brown SILT, little sand and organics
0.4		
		Brown to pink-brown clayey SILT, trace fine sand and organics, little black mottling throughout
1		
1.3		
		Soft brown clayey SILT grading to silt, little fine sand, trace organics, some black mottling from 1.3 to 1.8 ft
2		
2.4		Similar to above except some organics (leaves, wood)
2.5		Weak naphthalene-like odor from 2.5 to 4.0 ft
3		Trace black TLM in organics parting
4		
5		
6		
7		
7.45		REFUSAL AT 7.45 FT
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

"TLM" = Tar-like material

Remarks:

Soft Sed. Thickness: 2.9 ft
Penetration: 7.45 ft
Recovery: 4.0 ft
Water Depth: 3.25 ft
Samples:
SE-09-16B (0.0 to 0.5) - MS/MSD,
SE-09-16B (0.5 to 2.5),
SE-09-16B (2.5 to 4.0) for archive

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-17

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/12/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Soft dark brown SILT and ORGANICS (wood), trace fine sand
0.5		Soft dark brown clayey SILT, some organics (wood), trace coal-like and cinder-like fragments
1		Soft brown to pink-brown SILT and CLAY
1.5		Organics (leaves) layer at 1.5 ft
2		
3		
3.4		REFUSAL AT 3.4 FT
4		
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

Soft Sed. Thickness: 2.15 ft
Penetration: 3.4 ft
Recovery: 1.75 ft
Water Depth: 6.6 ft
Samples:
SE-09-17 (0.0 to 0.5) for analysis
SE-09-17 (0.5 to 1.75) for archive

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-18

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/12/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Very soft brown to dark brown SILT, trace fine sand and organics, little black mottling
0.3		
0.7		Similar to above except soft
0.8		Brown fine SAND and SILT
1		Soft to medium stiff brown to pink-brown SILT, trace fine sand, slight plasticity, little black mottling throughout
		- TILL -
2		
3		
3.5		
		REFUSAL AT 3.5 FT
4		
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

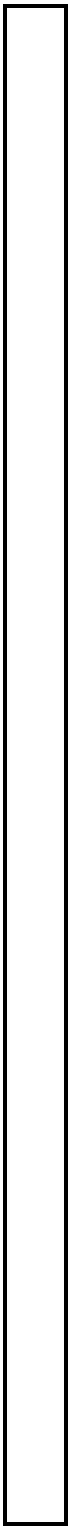
Soft Sed. Thickness: 3.4 ft
Penetration: 3.5 ft
Recovery: 1.55 ft
Water Depth: 5.2 ft
Samples:
SE-09-18 (0.0 to 0.5) for analysis
SE-09-18 (0.5 to 1.55) for archive

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-19B

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/12/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Loose brown coarse to fine GRAVEL and coarse to fine sand
1		
2		
3 2.9		REFUSAL AT 2.9 FT
4		
5		
6		
7		
8		Note: No sediment was encountered at sediment sample location SE-09-19A - refusal on apparent top of bedrock.
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

Soft Sed. Thickness: 0.5 ft
Penetration: 2.9 ft
Recovery: 0.2 ft
Water Depth: 5.7 ft
Sample:
SE-09-19B (0.0 to 0.5) for archive

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-20

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/13/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Very soft brown SILT, trace organics and shells, fine sand
0.5		
0.9		Similar to above except soft
1		Stiff brown to pink-brown silty CLAY (trace organics), little black mottling
1.4		
1.6		Organics parting at 1.4 ft below sediment surface
2		Soft brown SILT, trace organics, little black mottling
3		
3.65		
4		REFUSAL AT 3.65 FT
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

Soft Sed. Thickness: 3.4 ft
Penetration: 3.65 ft
Recovery: 2.0 ft
Water Depth: 4.55 ft
Samples:
SE-09-20 (0.0 to 0.5) for analysis
SE-09-20 (0.5 to 2.0) for archive

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-21

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/13/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Very soft brown SILT, little organics, trace fine sand
0.3		
0.5		Stiff brown to pink-brown CLAY, low plasticity
0.55		Organics layer/parting at 0.5 ft
1		Similar to above except soft (0.55 ft)
		Dark brown clayey SILT, little to trace organics
1.8		Similar to above except organics content increases to some
2		
3		
3.25		REFUSAL AT 3.25 FT
4		
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

Soft Sed. Thickness: 3.25 ft
Penetration: 3.25 ft
Recovery: 2.0 ft
Water Depth: 6.45 ft
Samples:
SE-09-21 (0.0 to 0.5) for archive
SE-09-21 (0.5 to 2.0) for analysis

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-22

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/13/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Soft brown to dark brown fine sandy SILT, little organics, trace medium gravel
0.6		Soft to medium stiff brown to pink-brown CLAY, low plasticity
1		
1.4		Soft dark brown clayey SILT, little organics, some black mottling throughout
2		
3		
4		
4.2		REFUSAL AT 4.2 FT
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

Soft Sed. Thickness: 3.4 ft
Penetration: 4.2 ft
Recovery: 2.0 ft
Water Depth: 4.8 ft
Samples:
SE-09-22 (0.0 to 0.5) for analysis
SE-09-22 (0.5 to 2.0) for archive

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-23

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/13/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Very soft dark brown SILT, little organics, trace fine sand
0.4		
0.9		Stiff brown to pink-brown CLAY, low plasticity Fine sand parting at 0.9 ft
1		Medium stiff brown to pink-brown SILT and CLAY, slight plasticity
1.3		
2		Dark brown clayey SILT, little organics (wood, leaves), trace fine sand, little black mottling
3		
4		
4.35		REFUSAL AT 4.35 FT
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

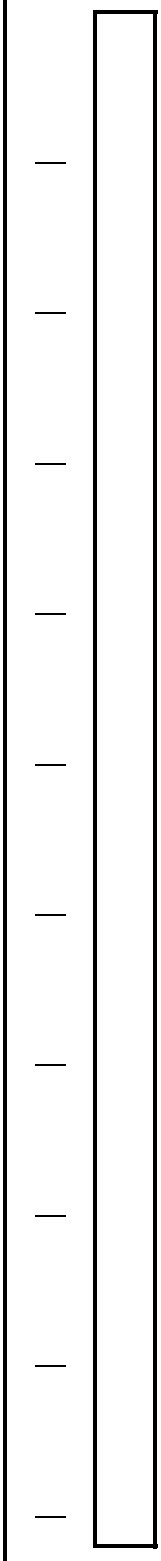
Soft Sed. Thickness: 0.65 ft
Penetration: 4.35 ft
Recovery: 2.0 ft
Water Depth: 6.45 ft
Samples:
SE-09-23 (0.0 to 0.5) for analysis
SE-09-23 (0.5 to 2.0) for archive

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-24

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/12/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Very soft (mucky) brown SILT, little fine sand and organics, trace shells and medium sand
0.5		Similar to above except soft
1		Soft brown SILT and ORGANICS, little fine sand
2		
3		
4		REFUSAL AT 4.0 FT
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

Soft Sed. Thickness: 3.5 ft
Penetration: 4.0 ft
Recovery: 1.8 ft
Water Depth: 4.8 ft
Samples:
SE-09-24 (0.0 to 0.5) for analysis
SE-09-24 (0.5 to 1.5) for archive

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-26

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/12/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Very soft (mucky) brown SILT, little fine sand, trace shells and organics
0.5		Similar to above except black mottling, possible very weak musty odor
1		
1.7		Soft brown to pink-brown clayey SILT, little fine sand, low plasticity - TILL-
2		Approximately 1.5 in. x 0.25 in. fragments of shale at 1.7 ft
3		
4		
4.5		REFUSAL AT 4.5 FT
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe.
"Penetration" reports hammer-driven sampling device penetration.

Remarks:

Soft Sed. Thickness: 3.8 ft
Penetration: 4.5 ft
Recovery: 2.0 ft
Water Depth: 5.7 ft
Samples:
SE-09-26 (0.0 to 0.5) for analysis
SE-09-26 (0.5 to 2.0) for archive

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-27

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/12/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Very soft (mucky) dark brown SILT, little fine sand, trace shells and organics
0.5		Soft brown to pink-brown SILT, little to some fine sand, little organics, trace orange mottling
1		
1.2		Grades to medium stiff pink-brown SILT and CLAY, little fine sand, low plasticity
2		-TILL-
3		REFUSAL AT 3.0 FT
4		
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

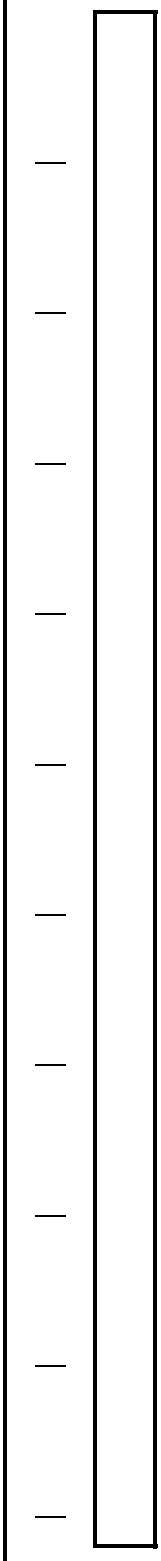
Soft Sed. Thickness: 2.75 ft
Penetration: 3.0 ft
Recovery: 2.0 ft
Water Depth: 8.4 ft
Samples:
SE-09-27 (0.0 to 0.5) for analysis
SE-09-27 (0.5 to 2.0) for archive

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-28

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/11/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Very soft (grading to soft at 0.5 ft) dark brown (grading to brown at 0.5 ft) clayey SILT, trace fine sand
1		
2		
3		REFUSAL AT 3.0 FT
4		
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

Soft Sed. Thickness: 1.7 ft
Penetration: 3.0 ft
Recovery: 1.6 ft
Water Depth: 5.4 ft
Samples:
SE-09-28 (0.0 to 0.5) for analysis
SE-09-28 (0.5 to 2.0) for archive

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-29

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/11/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Very soft dark brown SILT, some to little white shell fragments increasing in percentage with depth, little fine to medium sand
0.4		Brown to pink-brown SILT and CLAY, little to trace fine sand, low to medium plasticity , trace black mottling
1		-TILL-
2		
3		
3.2		REFUSAL AT 3.2 FT
4		
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

Soft Sed. Thickness: 2.1 ft
Penetration: 3.2 ft
Recovery: 1.9 ft
Water Depth: 7.0 ft
Samples:
SE-09-29 (0.0 to 0.5) for analysis
SE-09-29 (0.5 to 1.9) for archive

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-30

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/11/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Very soft (mucky) dark brown SILT, some to little organics, little fine sand
0.5		Soft brown SILT, trace fine sand, little black mottling
1		
2		
3		
3.8		REFUSAL AT 3.8 FT
4		
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

Soft Sed. Thickness: 2.65 ft
Penetration: 3.8 ft
Recovery: 2.0 ft
Water Depth: 6.5 ft
Samples:
SE-09-30 (0.0 to 0.5) for analysis
SE-DUP-09-01 from 0.0 to 0.5 ft
SE-09-30 (0.5 to 2.0) for archive

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-31

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/11/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Very soft (mucky) dark brown SILT, some to little organics, some to little fine sand
0.5		
1		Soft brown to pink-brown clayey SILT, trace fine sand, trace black mottling
1.3		
2		
3 3.0		REFUSAL AT 3.0 FT
4		
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

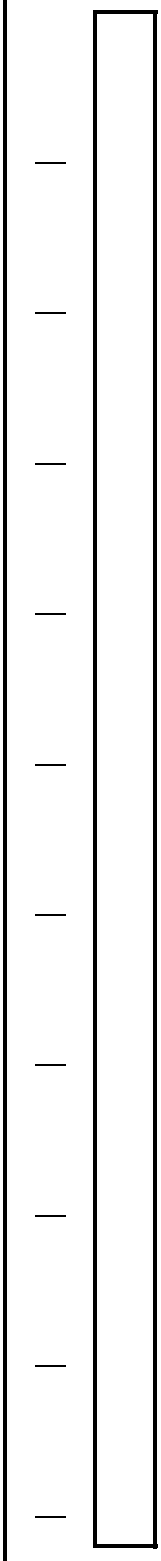
Soft Sed. Thickness: 1.3 ft
Penetration: 3.0 ft
Recovery: 1.4 ft
Water Depth: 7.5 ft
Samples:
SE-09-31 (0.0 to 0.5) for analysis
SE-09-31 (0.5 to 1.4) for archive

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-32

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/11/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Very soft (mucky) dark brown SILT and organics, some to little fine sand
0.5		Soft brown to pink-brown clayey SILT, little fine sand, little black mottling
1		
1.2		Wood from 1.2 to 1.4 ft
2		
3		
3.2		REFUSAL AT 3.2 FT
4		
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

Soft Sed. Thickness: 1.9 ft
Penetration: 3.2 ft
Recovery: 1.7 ft
Water Depth: 9.0 ft
Samples:
SE-09-32 (0.0 to 0.5) for analysis
SE-09-32 (0.5 to 1.7) for archive

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-33

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/17/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Very soft to soft brown SILT, little fine sand, trace organics, red brick fragments (coarse sand to fine gravel sized), one 0.5-in. diameter cinder-like fragment
0.8		
1		Soft brown to pink-brown clayey SILT, one medium gravel-sized red brick
1.2		
		Very soft to soft brown SILT, little fine sand, trace organics, little black staining, weak to moderate naphthalene-like odor
1.7		
2		Black-stained ORGANICS (leaves, wood, rootlets), little silt and fine sand, three white brick fragments (fine to coarse gravel sized) at 1.9 ft, strong naphthalene-like odor, approximately 15-20% black-brown OLM
3		
4		
5		
5.5		REFUSAL AT 5.5 FT
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

Soft Sed. Thickness: Not measured
Penetration: 5.5 ft
Recovery: 2.4 ft
Water Depth: 6.5 ft
Samples:
SE-09-33 (0.0 to 0.5),
SE-09-33 (0.5 to 1.7),
SE-09-33 (1.7 to 2.4) for archive

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-34

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/17/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Soft brown SILT, little fine sand and organics, trace coarse sand
1		
1.2		Medium stiff pink-brown clayey SILT, slight plasticity
1.7		Black-stained SILT, trace to little organics (rootlets), strong naphthalene-like odor, approximately 10% black TLM
2		
2.4		Black-stained SILT and ORGANICS (leaves, wood, rootlets), approximately 20% black TLM (observed TLM moving out of sample matrix), very strong naphthalene-like odor
2.6		Grades to ORGANICS, little silt, approximately 60% low viscosity black TLM from 2.6 to 2.8 ft
3		
4		
5		
6		
7		REFUSAL AT 7.0 FT
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

"TLM" = Tar-like material

Remarks:

Soft Sed. Thickness: 3.5 ft
Penetration: 7.0 ft
Recovery: 3.2 ft
Water Depth: 4.5 ft
Samples:
SE-09-34 (0.0 to 0.5),
SE-09-34 (0.5 to 1.7),
SE-09-34 (1.7 to 3.2) for archive

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-35

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/17/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Very soft (mucky) dark brown SILT, little fine sand, trace organics
0.5		
		Soft brown to pink-brown clayey SILT
1		Organics (leaves, rootlets) partings at 1.0, 1.2 and 1.4 ft
1.8		
2		Soft dark brown-black stained SILT and ORGANICS (leaves, rootlets), trace fine sand, one 1-in. diameter angular gravel piece, grading to ORGANICS (leaves, rootlets) with trace silt and fine sand at 2.0 ft, moderate naphthalene-like odor
2.2		
		Approximately 15-25% brown-black OLM, strong naphthalene-like odor from 2.2 to 2.8 ft
3		
4		
4.5		REFUSAL AT 4.5 FT
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe.
"Penetration" reports hammer-driven sampling device penetration.

"OLM" = Oil-like material

Remarks:

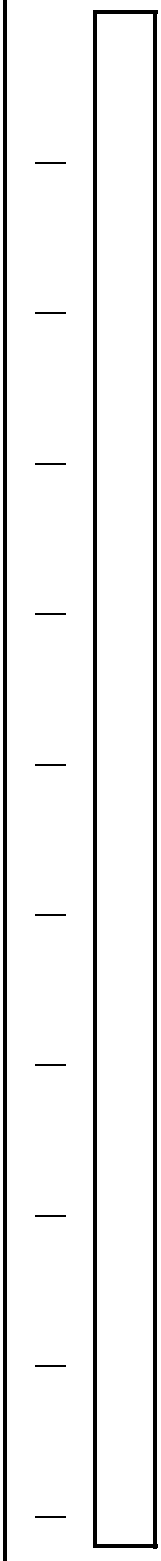
Soft Sed. Thickness: Not penetrable
Penetration: 4.5 ft
Recovery: 2.8 ft
Water Depth: 6.8 ft
Samples:
SE-09-35 (0.0 to 0.5),
SE-09-35 (0.5 to 1.8),
SE-09-34 (1.8 to 2.8) for archive

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-36

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/19/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Very soft (mucky) dark brown SILT, little fine sand, trace organics, coarse angular gravel (rock) in base of sample, slight naphthalene-like odor
1		
2		
2.5		REFUSAL AT 2.5 FT
3		
4		
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

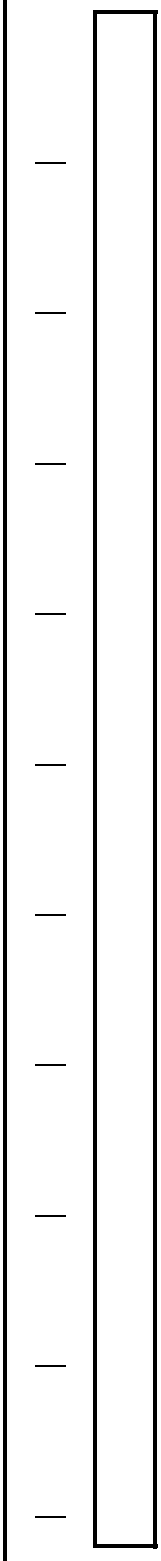
Soft Sed. Thickness: Not penetrable
Penetration: 2.5 ft
Recovery: 0.4 ft
Water Depth: 8.0 ft
Sample:
SE-09-36 (0.0 to 0.4) for archive

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-37

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/19/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Brown fine to coarse angular GRAVEL (rock fragments), little to some silt, trace shells, strong organic-decay (fishy) odor
1		
2 1.9		REFUSAL AT 1.9 FT
3		
4		
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

Soft Sed. Thickness: Not penetrable
Penetration: 1.9 ft
Recovery: 0.5 ft
Water Depth: 8.5 ft
Sample:
SE-09-37 (0.0 to 0.5) for archive

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-38

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/19/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Brown SILT and coarse to fine SAND, some coarse gravel (rock fragments)
1		-TILL-
2		
2.5		REFUSAL AT 2.5 FT
3		
4		
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

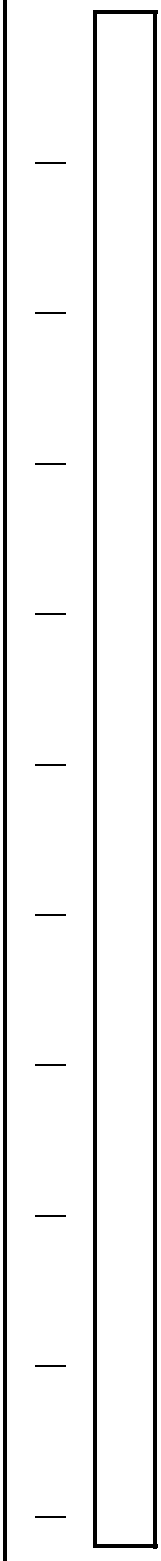
Soft Sed. Thickness: Not penetrable
Penetration: 2.5 ft
Recovery: 0.4 ft
Water Depth: 8.0 ft
Sample:
SE-09-38 (0.0 to 0.4) for analysis

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-39

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/17/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Loose brown fine to coarse angular GRAVEL (rock fragments), little fine to coarse sand and silt, trace shells, moderate organic decay (fishy) odor
1		
1.8		
2		REFUSAL AT 1.8 FT
3		
4		
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

Soft Sed. Thickness: Not penetrable
Penetration: 1.8 ft
Recovery: 0.3 ft
Water Depth: 9.0 ft
Sample:
SE-09-39 (0.0 to 0.3) for analysis

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-40

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/18/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Very soft (mucky) dark brown SILT, little fine sand and organics
0.5		
		Brown to pink-brown clayey SILT, slight plasticity, trace coarse angular gravel
1		
1.3		Black-stained fine SAND parting, trace organics, heavy rainbow sheen, strong naphthalene-like odor
1.8		
2		Brown clayey SILT and ORGANICS (leaves, wood), heavy black staining, strong naphthalene-like odor, little (less than 5%) TLM
2.2		
		Grades to soft black-stained ORGANICS (leaves, wood), little silt, strong naphthalene-like odor, approximately 15% black TLM from 2.2 to 2.4 ft, trace black TLM (approximately 5%) from 2.4 to 2.6 ft
3		
4		
5		
		REFUSAL AT 5.0 FT
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe.
"Penetration" reports hammer-driven sampling device penetration.

"TLM" = Tar-like material

Remarks:

Soft Sed. Thickness: 1.0 ft
Penetration: 5.0 ft
Recovery: 2.6 ft
Water Depth: 6.0 ft
Samples:
SE-09-40 (0.0 to 0.5),
SE-09-40 (0.5 to 1.8),
SE-09-40 (1.8 to 2.6) for analysis

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-41B

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/19/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Medium coarse GRAVEL, some rainbow sheen, trace brown OLM
0.5		REFUSAL AT 0.5 FT
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

"OLM" = Oil-like material

Remarks:

Soft Sed. Thickness: Not penetrable
Penetration: 0.5 ft
Recovery: 0.5 ft
Water Depth: 10.5 ft
Sample:
SE-09-41B (0.0 to 0.4) for analysis

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-42B

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/18/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Loose brown coarse angular GRAVEL (rock fragments), little fine to medium gravel, trace silt
0.5		REFUSAL AT 0.5 FT
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

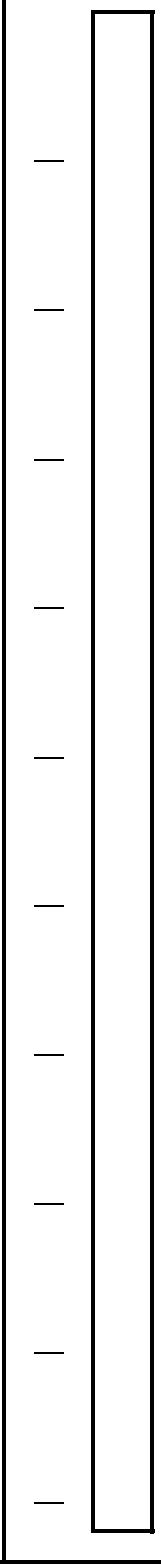
Soft Sed. Thickness: Not penetrable
Penetration: 0.5 ft
Recovery: 0.5 ft
Water Depth: 11.0 ft
Sample:
SE-09-42B (0.0 to 0.3) for analysis

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-43B

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/18/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Loose brown fine to coarse angular GRAVEL, little fine to coarse sand and silt
1		
2		
3		
3.3		REFUSAL AT 3.3 FT
4		
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

Soft Sed. Thickness: Not penetrable
Penetration: 3.3 ft
Recovery: 0.3 ft
Water Depth: 11.0 ft
Sample:
SE-09-43B (0.0 to 0.3) for analysis

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-44B

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/18/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Loose dark brown SILT, some fine to coarse sand and organics, little coarse angular gravel (rock fragments in shoe of sampler), little black mottling
1		-TILL-
2		
3 2.9		
		REFUSAL AT 2.9 FT
4		
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

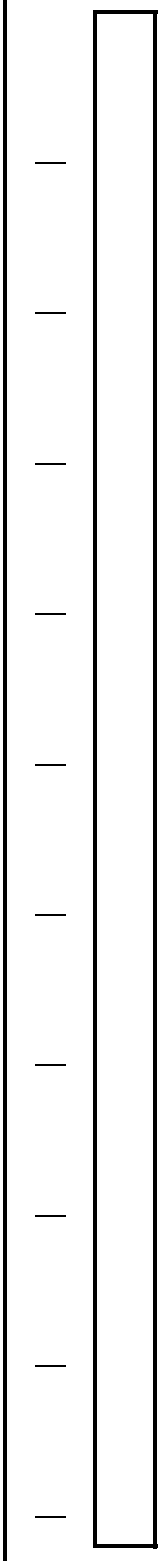
Soft Sed. Thickness: Not penetrable
Penetration: 2.9 ft
Recovery: 0.3 ft
Water Depth: 7.8 ft
Sample:
SE-09-44B (0.0 to 0.3) for archive

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-46

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/18/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Loose dark brown medium to coarse angular GRAVEL (rock fragments), little silt, trace shells
1		REFUSAL AT 1.0 FT
2		
3		
4		
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

Soft Sed. Thickness: Not penetrable
Penetration: 1.0 ft
Recovery: 0.3 ft
Water Depth: 13.5 ft
Sample:
SE-09-46 (0.0 to 0.3) for analysis

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-47

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/18/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Loose brown fine to coarse angular GRAVEL, little fine to coarse sand and silt
1		
2		
2.1		REFUSAL AT 2.1 FT
3		
4		
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

Soft Sed. Thickness: Not penetrable
Penetration: 2.1 ft
Recovery: 0.3 ft
Water Depth: 12.0 ft
Sample:
SE-09-47 (0.0 to 0.3) for analysis

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-48

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/18/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Loose to medium dense brown fine to medium SAND and SILT, two pieces medium angular gravel, weak naphthalene-like odor
1		-TILL-
2		REFUSAL AT 2.0 FT
3		
4		
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

Soft Sed. Thickness: Not measured
Penetration: 2.0 ft
Recovery: 0.2 ft
Water Depth: 11.5 ft
Sample:
SE-09-48 (0.0 to 0.2) for analysis

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-52

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/19/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Medium dense brown SILT and fine SAND, little angular fine gravel, trace medium angular gravel
		-TILL-
1		
1.2		REFUSAL AT 1.2 FT
2		
3		
4		
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

Soft Sed. Thickness: Not measured
Penetration: 1.2 ft
Recovery: 0.5 ft
Water Depth: 9.6 ft
Sample:
SE-09-52 (0.0 to 0.5) for analysis

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-END2

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/15/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Very soft (mucky) dark brown SILT, little fine sand, trace organics
0.4		Soft brown clayey SILT, trace fine sand, little black mottling
1		Soft brown ORGANICS (leaves, wood), some to little brown silt
1.6		Similar to above except some fine sand, little black TLM (approximately 15%), moderate naphthalene-like odor
2		
3		
4		
4.3		REFUSAL AT 4.3 FT
5		
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

"TLM" = Tar-like material

Remarks:

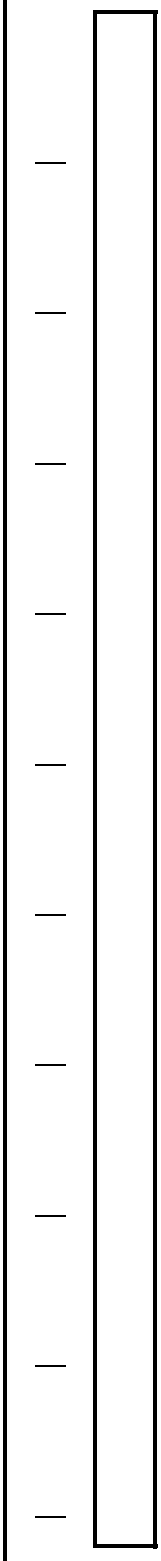
Soft Sed. Thickness: 2.9 ft
Penetration: 4.3 ft
Recovery: 2.0 ft
Water Depth: 6.2 ft
Samples:
SE-09-END2 (0.0 to 0.5) for analysis
SE-09-END2 (0.5 to 1.6),
SE-09-END2 (1.6 to 2.0) for archive

HALEY & ALDRICH

SEDIMENT SAMPLE LOG

Probe No. SE-09-END3

PROJECT	SENECA FALLS FORMER MGP	**H&A FILE NO.**	34507-016
LOCATION	SENECA FALLS, NY	**PROJECT MGR.**	D. Allen
CLIENT	NYSEG	**GEOLOGIST**	T. Gross
CONTRACTOR	PARRATT WOLFF	**DATE**	8/15/2009
EQUIPMENT	Tripod with 140-lb hammer on Barge	**CHECKED BY**	J. Bode / D. Allen

Depth (ft)	Sketch	Visual Description
0		Very soft (mucky) dark brown SILT, little fine sand, trace organics
0.5		Soft brown ORGANICS (leaves, wood), some silt, naphthalene-like odor from 1.5 to 2.3 ft
1		
2		
3		
4		
5		REFUSAL AT 5.0 FT
6		
7		
8		
9		
10		

Recovery

Section	Tube Length	Sample Length	Total Weight

Top:

Bottom:

Notes:

"Soft Sed. Thickness" reports sediment thickness measured by hand probe. "Penetration" reports hammer-driven sampling device penetration.

Remarks:

Soft Sed. Thickness: 1.9 ft
Penetration: 5.0 ft
Recovery: 2.3 ft
Water Depth: 7.0 ft
Samples:
SE-09-END3 (0.0 to 0.5)
SE-09-END3 (0.5 to 1.6) for archive

HALEY & ALDRICH

GROUNDWATER OBSERVATION WELL INSTALLATION REPORT

Well No. MW-07-02
Boring No. SB-07-02/ MW-07-02

Project SENECA FALLS MGP SITE
Location SENECA FALLS, NY
Client NYSEG
Contractor PARRATT - WOLFF
Driller J. Lansing

Initial Water Level (depth bgs) ft

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

File No. 34507-000
Date Installed 26 Sep 2007
H&A Rep. B. Zinni/T. Gross
Location See Plan

Ground El. 455.9
Datum NGVD 1988

SOIL/ROCK CONDITIONS	DEPTH (ft)	GRAPHIC	WELL DETAILS	DEPTH (ft)	ELEVATION (ft)
				0.0	455.9
ASPHALT and SUB-BASE	0.5			0.5	455.4
				2.0	453.9
FILL					
	10.5				
FILL					
	16.0			16.0	439.9
				18.0	437.9
				20.0	435.9
GLACIAL TILL					
				30.0	425.9
	33.0			33.0	422.9

WELL CONSTRUCTION DETAILS

Type of protective cover: Bolted
Depth of below ground surface: ft
Depth of top of riser below ground surface: ft
Type of protective casing:
Length:
Inside diameter:
Depth of bottom of: ft
Type of riser pipe: Schedule 40 PVC
Inside diameter of riser pipe: 2.0 in.
Depth of bottom of riser pipe: 20.0 ft
Diameter of borehole:
Type of screen: Machine-slotted Sch 40 PVC
Screen gauge or size of openings: 0.020 in.
Diameter of screen: 2.0
Depth to top of well screen: 20.0 ft
Depth to bottom of well screen: 20.0 ft
Bottom of silt trap:
Depth of bottom of borehole: 33.0 ft

COMMENTS:

HA-LIB08-BETA.GLB GW INSTALLATION REPORT-08 G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_TB.GPJ Jul 29, 08

Indoor Air Quality Questionnaire and Building Inventory

Name Christina Ondak Date/Time Prepared 18 February 2008

Affiliation Haley & Aldrich of New York Phone No. 585-359-9000

Purpose of Investigation Evaluate indoor air and sub-slab vapor conditions

1. OCCUPANT:

Interviewed: (Y)/N

Last Name: Donahue First Name Tom

Address: Pick-a-Flick Video, 187 Fall Street, Seneca Falls, New York (Business)

County: Seneca

Home Phone: 607-343-1005 Office Phone: 315-568-4148

Number of Occupants/persons at this location Varies Age of Occupants _____

2. OWNER OR LANDLORD (Check if same as occupant)

Interviewed: (Y)/N

Last Name: Blazicek (NYSEG) First Name: Tracy

Address: NYSEG, 18 Link Drive, Binghamton, New York 13904

County: Broome

Home Phone: 607-237-5324 (cell) Office Phone: 607-762-8839

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) N/A

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment Homes	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Home video rental, cosmetic tanning, dry cleaning pick-up service (no laundering facilities)

Does it include residences (i.e., multi-use)? Y/(N) If yes, how many? _____

Other characteristics:

Number of floors: One (slab on grade) Building age: Approx. 60 years

Is the building insulated? Y/(N)

4. BASEMENT AND CONSTRUCTION CHARACTERISTICS (circle all that apply)

a. Above grade construction:	wood frames	(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:	unsealed	sealed	sealed with _____	
g. Foundation walls:	poured	(block)	stone	other _____
h. The basement is:	finished	unfinished	partially finished	
i. The basement is:	wet	damp	dry	
j. Sump present?	Y/(N)	(Note – one sealed floor drain observed)		
k. Water in sump	Y/N/(not applicable)			

5. 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 it:

(Natural Gas)	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: No hot water on premises.

Boiler/furnace located in: Basement Outdoors Main Floor Other _____

Air conditioning: Central Air Window units Other Ceiling mounted

6. OCCUPANCY

Is basement/ lowest level occupied? Full-time Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop)**
Basement	Not applicable.
1st Floor	Video rental business, cosmetic tanning area, office space, empty storage rooms
2nd Floor	Not applicable.
3rd Floor	Not applicable.
4th Floor	Not applicable.

7. 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? Unknown

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? Daily, tanning area

i. Have cosmetic products been used recently? (Y)/N When & Type? Daily, tanning area

j. Has painting/staining been done in the last 6 months? (Y)/N When & Where?
Wood staining; observed on 18 February 2008.

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) 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: Cosmetic tanning lotions.

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)
Yes, use dry-cleaning infrequently (monthly or less)
Yes, work at a dry-cleaning service
(No)

Note – business includes dry cleaning pick-up serivce

Is there a radon mitigation system built 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.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.

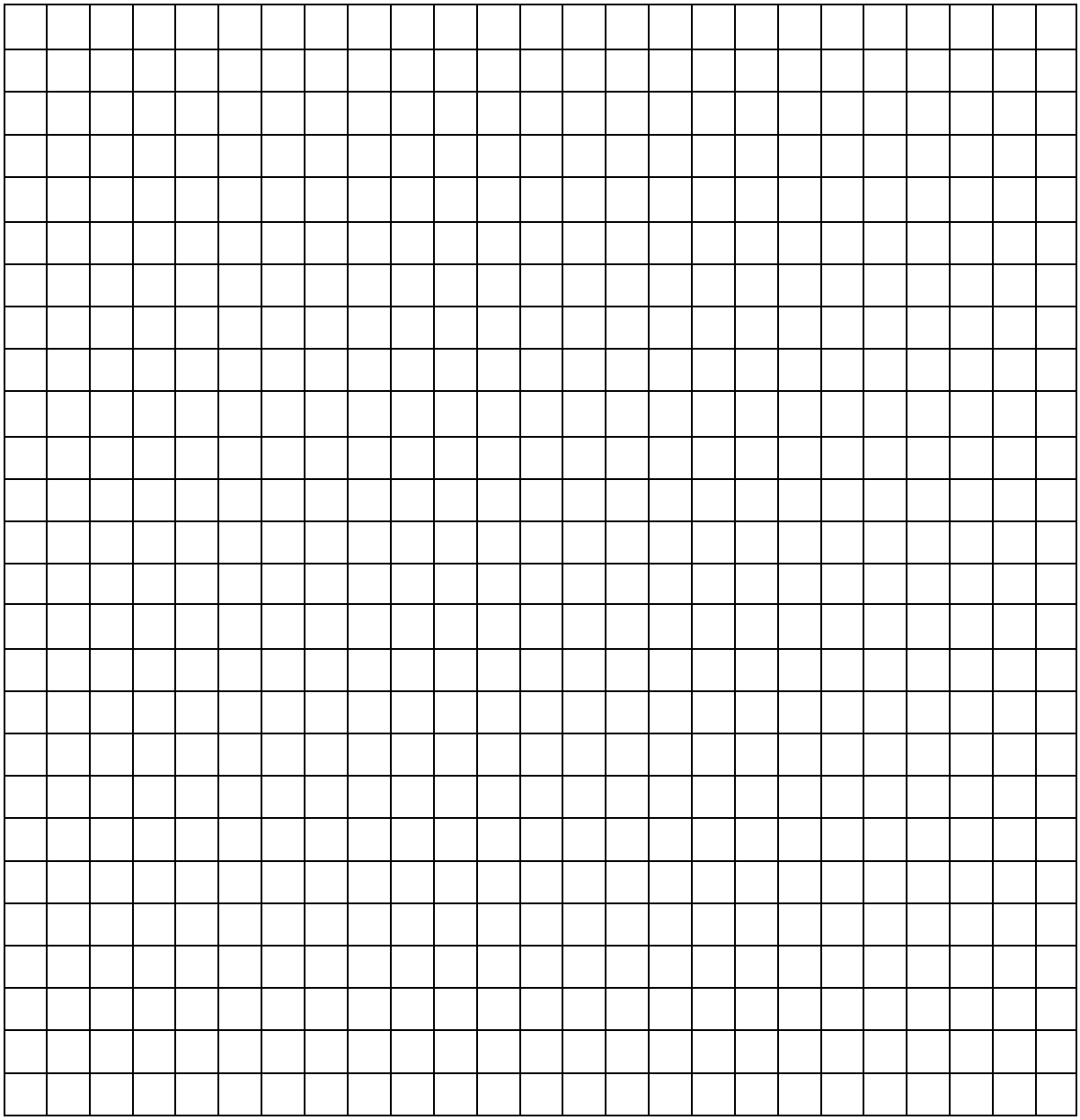
BASEMENT: No basement.

FIRST FLOOR: See Building Plan (attached).

OUTDOOR PLOT: See Site Plan (attached).

Draw a sketch of the area surrounding 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 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.



11. PRODUCT INVENTORY

List specific products found in the residence that have the potential to affect indoor air quality.

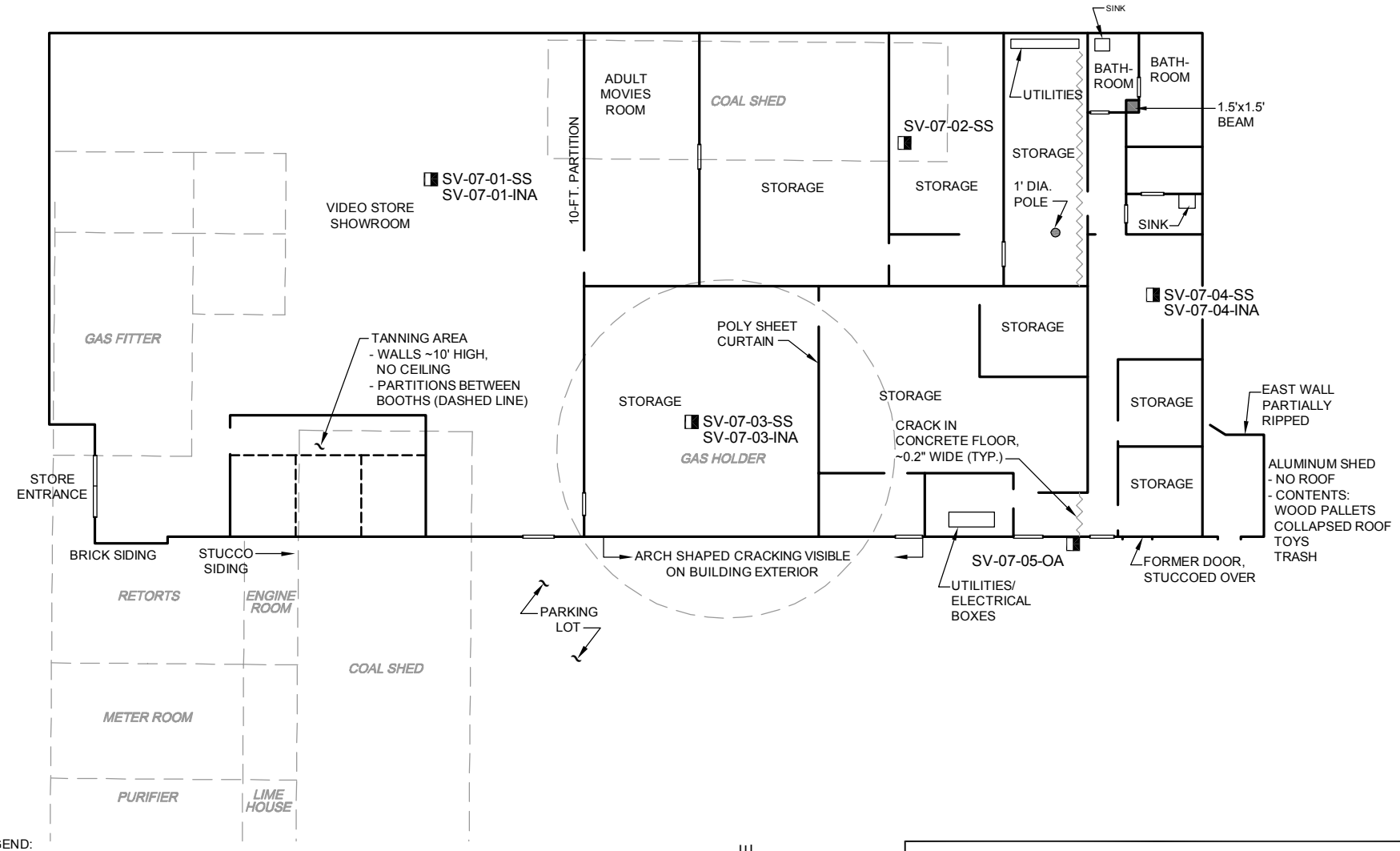
Location	Product Description	Size(units)	Condition	Chemical Ingredients
Video Showroom	Wood Stain	Removed	U	Meter detection – 1600 ppb
Bathroom	Toilet Cleaner	14 ounce	U	No detection
Bathroom	Murphy's Soap	8 ounce	U	No detection
East Exterior Wall Area	Paint Cans – 7	5 gallon	U	No detection
East Exterior Wall Area	Paint Thinner	2 gallon	U	No detection
South Exterior Wall Area	Paint Cans – 2	5 gallon	U	No detection
South Exterior Wall Area	Floor Sealant	10 ounce	D	No detection

Describe the condition of the product containers as Unopened (UO), used (U), or Deteriorated (D).

11. OTHER OBSERVATIONS

- There was a 1/3" gap between the slab and wall on the entire west side of the building
- ¼" crack in the storage room slab
- Gaps between the electrical conduits and slab in the utility room
- Cut in slab in utility room which is 3" deep

G:\34507_SENECA_FALLS\GLOBAL\CAD\DRAWINGS\34507-004-002B_SITE PLANS.DWG



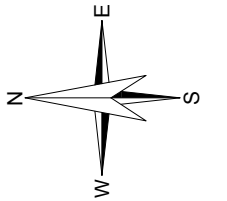
LEGEND:

INDICATES HISTORIC MGP STRUCTURES DEMOLISHED

SV-07-04-SS
SV-07-04-INA MONITORING POINT

NOTE:

1. LOCATIONS OF FORMER MGP SITE TAKEN FROM ELECTRONIC FILE SENFMGP.DWG TITLED "SENECA FALLS FORMER MGP SITE VILLAGE OF SENECA FALLS SENECA COUNTY, NEW YORK" RECEIVED ON 18 MAY 2007.
2. SS = SUBSLAB SAMPLE
3. INA = INDOOR AIR SAMPLE
4. OA = OUTDOOR AMBIENT AIR SAMPLE



HALEY & ALDRICH

SENECA FALLS FORMER MGP
187 FALL STREET
SENECA FALLS, NEW YORI

BUILDING LAYOUT AND SOIL VAPOR INTRUSION INVESTIGATION LOCATIONS

SCALE: AS SHOWN
JULY 2008

FIGURE 4

HALEY & ALDRICH

GROUNDWATER OBSERVATION WELL INSTALLATION REPORT

Well No. MW-07-03
Boring No. SB-07-03/ MW-07-03

Project SENECA FALLS MGP SITE
Location SENECA FALLS, NY
Client NYSEG
Contractor PARRATT - WOLFF
Driller J. Lansing

Initial Water Level (depth bgs) ft

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

File No. 34507-000
Date Installed 25 Sep 2007
H&A Rep. B. Zinni/T. Gross
Location See Plan

Ground El. 435.8
Datum NGVD 1988

SOIL/ROCK CONDITIONS	DEPTH (ft)	GRAPHIC	WELL DETAILS	DEPTH (ft)	ELEVATION (ft)
				0.0	435.8
FILL	0			1.0	434.8
				2.0	433.8
	4.0			4.0	431.8
GLACIAL TILL	5				
	10				
	12.1			12.0	423.8

WELL CONSTRUCTION DETAILS

Type of protective cover _____

Depth of below ground surface ft

Depth of top of riser below ground surface ft

Type of protective casing _____

Length _____

Inside diameter _____

Depth of bottom of ft

Type of riser pipe Schedule 40 PVC

Inside diameter of riser pipe 2.0 in.

Depth of bottom of riser pipe 4.0 ft

Diameter of borehole _____

Type of screen Machine-slotted Sch 40 PVC

Screen gauge or size of openings 0.020 in.

Diameter of screen 2.0

Depth to top of well screen 4.0 ft

Depth to bottom of well screen 12.0 ft

Bottom of silt trap _____

Depth of bottom of borehole 12.1 ft

COMMENTS:

HA-LIB08-BETA.GLB GW INSTALLATION REPORT-08 G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_TB.GPJ Jul 29, 08

HALEY & ALDRICH

GROUNDWATER OBSERVATION WELL INSTALLATION REPORT

Well No. MW-07-04
Boring No. SB-07-04/ MW-07-04

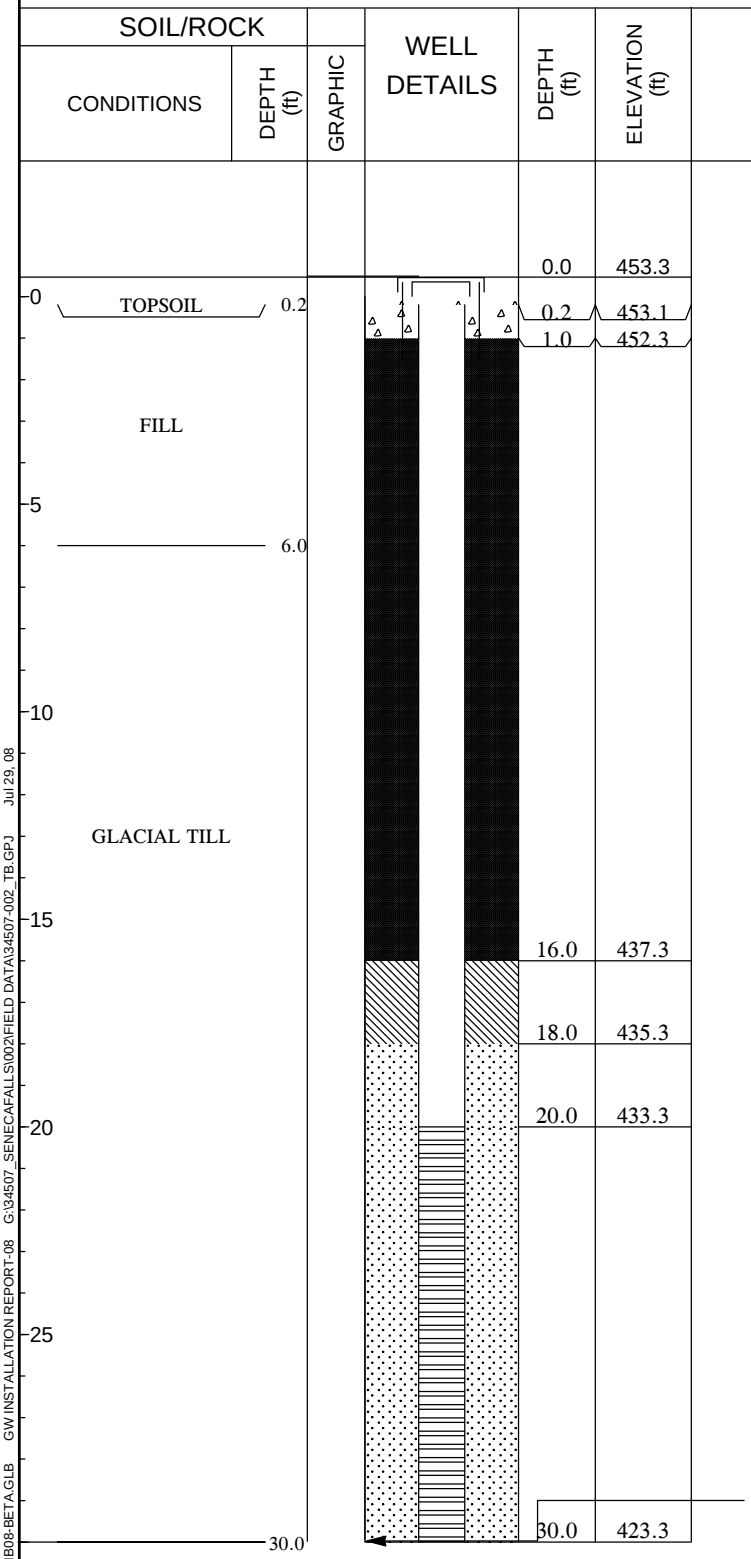
Project SENECA FALLS MGP SITE
Location SENECA FALLS, NY
Client NYSEG
Contractor PARRATT - WOLFF
Driller I. Grassie

Initial Water Level (depth bgs) ft

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

File No. 34507-000
Date Installed 16 Nov 2007
H&A Rep. T. Gross
Location See Plan

Ground El. 453.3
Datum NGVD 1988



WELL CONSTRUCTION DETAILS

Type of protective cover: Bolted

Depth of Roadway Box below ground surface: ft

Depth of top of riser below ground surface: ft

Type of protective casing: Roadway Box

Length:

Inside diameter:

Depth of bottom of Roadway Box: ft

Type of riser pipe: Schedule 40 PVC

Inside diameter of riser pipe: 2.0 in.

Depth of bottom of riser pipe: 20.0 ft

Diameter of borehole:

Type of screen: Machine-slotted Sch 40 PVC

Screen gauge or size of openings: 0.020 in.

Diameter of screen: 2.0

Depth to top of well screen: 20.0 ft

Depth to bottom of well screen: 30.0 ft

Bottom of silt trap:

Depth of bottom of borehole: 30.0 ft

COMMENTS:

HA-LIB08-BETA.GLB GW INSTALLATION REPORT-08 G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_TB.GPJ Jul 29, 08

HALEY & ALDRICH

GROUNDWATER OBSERVATION WELL INSTALLATION REPORT

Well No. MW-07-05
Boring No. SB-07-05/ MW-07-05

Project SENECA FALLS MGP SITE
Location SENECA FALLS, NY
Client NYSEG
Contractor PARRATT - WOLFF
Driller J. Lansing

Initial Water Level (depth bgs) ft

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

File No. 34507-000
Date Installed 21 Sep 2007
H&A Rep. T. Gross
Location See Plan

Ground El. 430.4
Datum NGVD 1988

SOIL/ROCK CONDITIONS	DEPTH (ft)	GRAPHIC	WELL DETAILS	DEPTH (ft)	ELEVATION (ft)
				0.0	430.4
TOPSOIL	0.2			0.3	430.1
FILL				1.8	428.6
				2.0	428.4
	5.3				
	6.0				
GLACIAL TILL				9.4	421.0
	12.0				

WELL CONSTRUCTION DETAILS

Type of protective cover: Locked
Depth of below ground surface: ft
Depth of top of riser below ground surface: ft
Type of protective casing:
Length:
Inside diameter:
Depth of bottom of: ft
Type of riser pipe: Schedule 40 PVC
Inside diameter of riser pipe: 2.0 in.
Depth of bottom of riser pipe: 2.0 ft
Diameter of borehole:
Type of screen: Machine-slotted Sch 40 PVC
Screen gauge or size of openings: 0.020 in.
Diameter of screen: 2.0
Depth to top of well screen: 2.0 ft
Depth to bottom of well screen: 9.4 ft
Bottom of silt trap:
Depth of bottom of borehole: 12.0 ft

COMMENTS:

HA-LIB08-BETA.GLB GW INSTALLATION REPORT-08 G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_TB.GPJ Jul 29, 08

HALEY & ALDRICH

GROUNDWATER OBSERVATION WELL INSTALLATION REPORT

Well No. MW-07-06
Boring No. SB-07-06/ MW-07-06

Project SENECA FALLS MGP SITE
Location SENECA FALLS, NY
Client NYSEG
Contractor PARRATT - WOLFF
Driller J. Lansing

Initial Water Level (depth bgs) ft

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

File No. 34507-000
Date Installed 25 Sep 2007
H&A Rep. B. Zinni/T. Gross
Location See Plan

Ground El. 431.5
Datum NGVD 1988

SOIL/ROCK CONDITIONS	DEPTH (ft)	GRAPHIC	WELL DETAILS	DEPTH (ft)	ELEVATION (ft)
				0.0	431.5
0					
				0.5	431.0
				1.0	430.5
ALLUVIAL DEPOSITS					
	2.0			2.0	429.5
5					
FILL					
	9.4			9.4	422.1

WELL CONSTRUCTION DETAILS

Type of protective cover _____

Depth of below ground surface ft

Depth of top of riser below ground surface ft

Type of protective casing _____

Length _____

Inside diameter _____

Depth of bottom of ft

Type of riser pipe Schedule 40 PVC

Inside diameter of riser pipe 2.0 in.

Depth of bottom of riser pipe 2.0 ft

Diameter of borehole _____

Type of screen Machine-slotted Sch 40 PVC

Screen gauge or size of openings 0.020 in.

Diameter of screen 2.0

Depth to top of well screen 2.0 ft

Depth to bottom of well screen 9.4 ft

Bottom of silt trap _____

Depth of bottom of borehole 9.4 ft

COMMENTS:

HA-LIB08-BETA.GLB GW INSTALLATION REPORT-08 G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_TB.GPJ Jul 29, 08

HALEY & ALDRICH

GROUNDWATER OBSERVATION WELL INSTALLATION REPORT

Well No. MW-08-01
Boring No. N/A

Project SENECA FALLS MGP SITE
Location SENECA FALLS, NY
Client NYSEG
Contractor PARRATT - WOLFF
Driller J. Perey

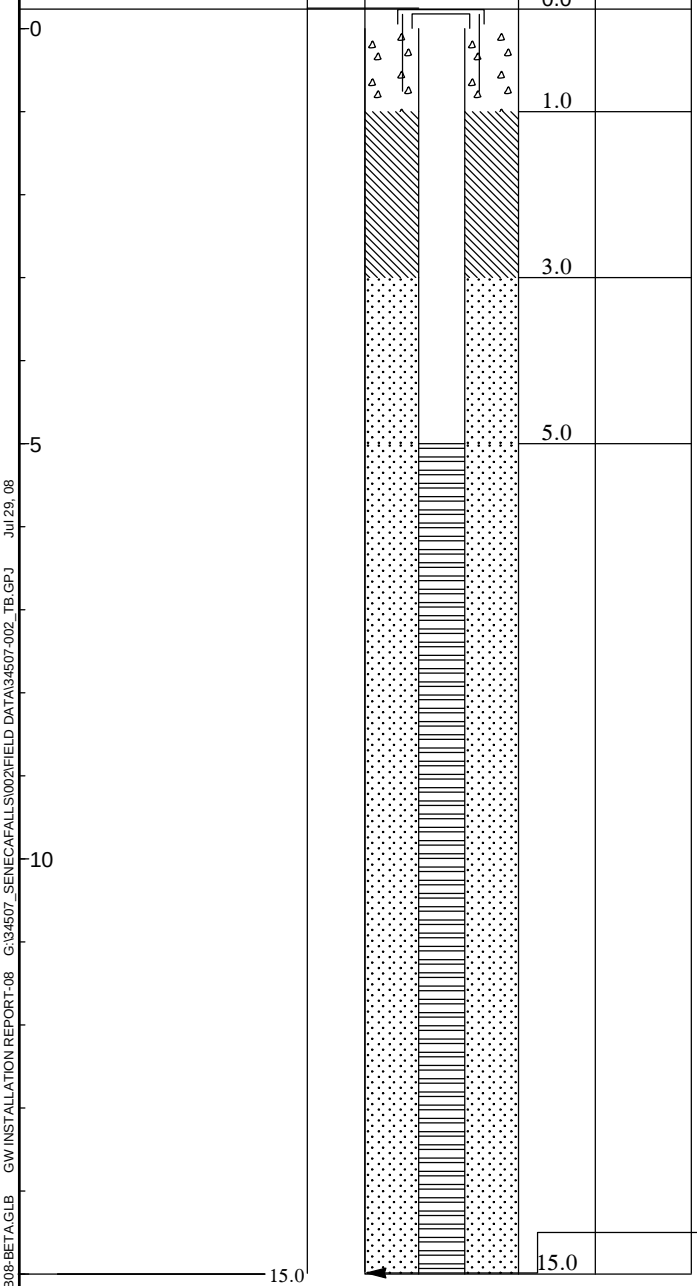
Initial Water Level (depth bgs) ft

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

File No. 34507-000
Date Installed 04 Mar 2008
H&A Rep. T. Gross
Location See Plan

Ground El.
Datum NGVD 1988

SOIL/ROCK CONDITIONS	DEPTH (ft)	GRAPHIC	WELL DETAILS	DEPTH (ft)	ELEVATION (ft)
				0.0	
				1.0	
				3.0	
				5.0	
				15.0	



WELL CONSTRUCTION DETAILS

Type of protective cover _____

Depth of Roadway Box below ground surface 0.0 ft
Height of top of riser above ground surface 0.1 ft

Type of protective casing Roadway Box
- Length _____
- Inside diameter _____
- Depth of bottom of Roadway Box ft

Type of riser pipe Schedule 40 PVC
- Inside diameter of riser pipe _____
- Depth of bottom of riser pipe 5.0 ft

Diameter of borehole _____

Type of screen Machine-slotted Sch 40 PVC
- Screen gauge or size of openings 0.020 in.
- Diameter of screen _____
- Depth to top of well screen 5.0 ft
- Depth to bottom of well screen 15.0 ft

Bottom of silt trap _____

Depth of bottom of borehole 15.0 ft

COMMENTS:

HA-LIB08-BETA.GLB GW INSTALLATION REPORT-08 G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_TB.GPJ Jul 29, 08

HALEY & ALDRICH

GROUNDWATER OBSERVATION WELL INSTALLATION REPORT

Well No. MW-08-02
Boring No. SB-08-02/ MW-08-02

Project SENECA FALLS MGP SITE
Location SENECA FALLS, NY
Client NYSEG
Contractor PARRATT - WOLFF
Driller J. Perey

Initial Water Level (depth bgs) ft

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

File No. 34507-000
Date Installed 04 Mar 2008
H&A Rep. T. Gross
Location See Plan

Ground El.
Datum NGVD 1988

SOIL/ROCK CONDITIONS	DEPTH (ft)	GRAPHIC	WELL DETAILS	DEPTH (ft)	ELEVATION (ft)
				0.0	
CONCRETE	0.5			1.0	
FILL				5.5	
				7.5	
				9.5	
	19.5			19.5	

WELL CONSTRUCTION DETAILS

Type of protective cover ____

Depth of Roadway Box below ground surface 0.0 ft
Height of top of riser above ground surface 0.1 ft

Type of protective casing Roadway Box
- Length ____
- Inside diameter ____
- Depth of bottom of Roadway Box ft

Type of riser pipe Schedule 40 PVC
- Inside diameter of riser pipe ____
- Depth of bottom of riser pipe 9.5 ft

Diameter of borehole 4.0 in.

Type of screen Machine-slotted Sch 40 PVC
- Screen gauge or size of openings 0.020 in.
- Diameter of screen ____
- Depth to top of well screen 9.5 ft
- Depth to bottom of well screen 19.5 ft

Bottom of silt trap ____

Depth of bottom of borehole 19.5 ft

COMMENTS:

HA-LIB08-BETA.GLB GW INSTALLATION REPORT-08 G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_TB.GPJ Jul 29, 08

HALEY & ALDRICH

GROUNDWATER OBSERVATION WELL INSTALLATION REPORT

Well No. MW-08-03
Boring No. SB-08-03/ MW-08-03

Project SENECA FALLS MGP SITE
Location SENECA FALLS, NY
Client NYSEG
Contractor PARRATT - WOLFF
Driller J. Perey

Initial Water Level (depth bgs) ft

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

File No. 34507-000
Date Installed 06 Mar 2008
H&A Rep. T. Gross
Location See Plan

Ground El.
Datum NGVD 1988

SOIL/ROCK CONDITIONS	DEPTH (ft)	GRAPHIC	WELL DETAILS	DEPTH (ft)	ELEVATION (ft)
				0.0	
CONCRETE	0.5			1.0	
	9.5			14.0	
				16.0	
				18.0	
				28.0	
	31.1			30.0	
				31.1	

WELL CONSTRUCTION DETAILS

Type of protective cover _____

Depth of Roadway Box below ground surface 0.0 ft
Height of top of riser above ground surface 0.1 ft

Type of protective casing Roadway Box
Length _____
Inside diameter _____
Depth of bottom of Roadway Box ft

Type of riser pipe Schedule 40 PVC
Inside diameter of riser pipe _____
Depth of bottom of riser pipe 18.0 ft

Diameter of borehole _____

Type of screen Machine-slotted Sch 40 PVC
Screen gauge or size of openings 0.020 in.
Diameter of screen _____
Depth to top of well screen 18.0 ft
Depth to bottom of well screen 28.0 ft

Bottom of silt trap _____

Depth of bottom of borehole 31.1 ft

COMMENTS:

HA-LIB08-BETA.GLB GW INSTALLATION REPORT-08 G:\34507_SENECAFALLS\002\FIELD DATA\34507-002_TB.GPJ Jul 29, 08

APPENDIX C

Building Questionnaire and Product Inventory

APPENDIX D

Air Monitoring Documentation

HALEY & ALDRICH

RECORD OF FIELD MONITORING

PROJECT	Seneca Falls Former MGP Site	**H&A FILE NO.**	34507-009
LOCATION	187 Fall Street, Seneca Falls, NY	**PROJECT MGR.**	Doug Allen
CLIENT	NYSEG	**FIELD REP**	Tina Gross
CONTRACTOR	Parratt Wolff	**DATE**	3/5/08

Project Description: Indoor drilling - in Pick-A-Flick Store Rooms

Task Description: Indoor drilling

Instrument Type: 1) MultiRAE (4 gas Meter) Serial Number: Ashtead 150-908867

(OVA, LEL, PID, etc) 2) Dust Monitor Meter Serial Number: 6756

Calibration and/or operational check completed as per manufacturers instructions: ☒ Yes ☐ No

Time completed: by Ashtead 2/29/08

Weather conditions:

Reading Type:(1)	Level: (ppm or indicate units)	PID	Time:	PPE Level:(2)
MultiRAE / BZ	O 20.9	0.0	1245	Coring Concrete @ SB-08-01
Dust / BZ	0.008	"	" "	
MultiRAE / BZ	" "	"	1250	
Dust / BZ	" "	"	"	
MultiRAE / BZ	"	"	1300	
Dust / BZ	"	"	"	
MultiRAE / BZ	"	"	1310	
Dust / BZ	"	"	"	
MultiRAE / BZ	"	"	1320	Done coring @ SB-08-01 at 1325
Dust / BZ	"	"	"	
MultiRAE / BZ	0.0 O 20.9	"	1420	Start drilling SB-08-01
Dust / BZ	0.000	"	"	
MultiRAE / STORE SHOWROOM	O 20.9	"	1425	
Dust / STORE SHOWROOM	0.000			
" / STORE BACKROOMS	O 20.9			
" / STORE BACKROOMS	0.006			
" / BZ	O 20.9			1440 - Start setting up for Fluid Rotary
" / BZ	0.000			
" / BZ	O 20.9	"	1515	1510 - Resume drilling
" / BZ	0.000	"	"	
" / BZ	O 20.9	"	1525	
" / BZ	0.000			
" / STORE SHOWROOM	O 20.9			
" / STORE SHOWROOM	0.000			

1. Key to Reading Types:
   Breathing Zone-BZ
   Perimeter-P
   Surface-S

2. EPA Levels B, C or D

Comments:

HALEY & ALDRICH

RECORD OF FIELD MONITORING

3/3/08

PROJECT Seneca Falls Former MGP H&A FILE NO. 34507-007

Reading Type:[1]	Level: (ppm or indicate units) PID	Time:	PPE Level:[2]
MULTIRAE / STORE BACKROOMS	O2 20.9 0.0 0.000	1515 "	
DUST / BZ	O2 20.9 0.000	1540 "	
" / STORE SHOWROOM	O2 20.9 0.000	1610	
" / STORE BACKROOMS	O2 20.9 0.000		
" / BZ	O2 20.9 0.000		
" / BZ	O2 20.9 " 0.000 "	1630 "	FISH-TYPE ODOR COMING FROM BORING
" / STORE SHOWROOM	O2 20.9 " 0.000	1645	
" / STORE BACKROOM	O2 20.9 0.000		
" / BZ	O2 20.9 0.000		
		1700	DONE FOR DAY

1. Key to Reading Types:
   Breathing Zone-BZ
   Perimeter-P
   Surface-S

2. EPA Levels B, C or D

Comments:

HALEY & ALDRICH

RECORD OF FIELD MONITORING

PROJECT	Seneca Falls Former MGP Site	**H&A FILE NO.**	34507-009
LOCATION	187 Fall Street, Seneca Falls, NY	**PROJECT MGR.**	Doug Allen
CLIENT	NYSEG	**FIELD REP**	Tina Gross
CONTRACTOR	Parratt Wolff	**DATE**	3/4/2008

Project Description: Gas Holder Investigation Program

Task Description: DRILLING IN BACKROOMS of PICK-A-FLICK bldg. (ASL Head)

Instrument Type: 1) MULTIRAE (CO_2 LEL HS) Serial Number: 15D-908867

(OVA, LEL, PID, etc) 2) DUST METER (PDR 1000) Serial Number: 6756

PID (MINIRAE 2000) R35666

Calibration and/or operational check completed as per manufacturers instructions: ☒ Yes ☐ No

Time completed: 0730

Weather conditions: 30° / in bldg.

Reading Type:[1]	Level: (ppm or indicate units)	Time:	PPE Level:[2]
MULTIRAE	0% 20.9%	0745	D
DUST	0.002		
PID	0.1		
" / SR	0% 20.9%		
"	0.000		
"	0.1		
" / BR	0% 20.9%		
"	0.000		
"	0.1		
"	"	0800	
" / BZ	"	"	
"	"	"	
"	"	0815	
" / BZ	"	"	
"	0.3	"	
"	"	0840	
" / BZ	"	0840	
"	"	~~0840~~ 0845	
"	"	0855	
" / BZ	"	0855	
"	0.2	"	
"	"	0915	
" / BZ	"	0915	
"	0.3	"	
	BR3		

1. Key to Reading Types:
   Breathing Zone-BZ
   Perimeter-P
   Surface-S

SR - Store showroom
BR - Store backrooms

0930 Refusal @ SB-08-01, pull rods, clip

2. EPA Levels B, C or D

Comments:

HALEY & ALDRICH

RECORD OF FIELD MONITORING

3/4/08

PROJECT Seneca Falls Former MGP H&A FILE NO. 34507-007

Reading Type:[1]	Level: (ppm or indicate units)	Time:	PPE Level:[2]
MW/HIRAE / DUST / BZ	0 0 20.9	1130	Start coring concrete
PID	0.000	"	@ SB-08-02
" / " / BZ	0.0	"	
" / "	0 0 20.9	1215	Start drilling
" / "	0.079	"	@ SB-03-02
" / "	0.1	"	
" / STORE	0 0 20.9	"	Level D
" / "	0.000	"	
" / "	0.0	"	
" / BACKROOMS	0 0 20.9	"	
" / "	0.000	"	
" / "	0.0	"	
" / BZ	"	1230	
" / "	0.044	"	
" / "	0.1	"	
" / STORE	"	"	
" / "	0.080	"	
" / "	0.0	"	
" / BACKROOMS	"	"	
" / "	0.008	"	
" / "	0.1	"	
" / BZ	"	1245	
" / "	0.080	"	
" / "	0.1	"	
" / STORE	"	"	
" / "	0.000	"	
" / "	0.0	"	
" / BACKROOMS	"	"	
" / "	0.075	"	
" / "	0.1	"	
" / BZ	"	1300	
" / "	0.055	"	
" / "	0.2	"	
" / STORE	"	"	
" / "	0.000	"	
" / "	0.0	"	
" / BACKROOMS	"	"	
" / "	0.074	"	
" / "	0.1	"	

1. Key to Reading Types:
   Breathing Zone-BZ
   Perimeter-P
   Surface-S

2. EPA Levels B, C or D

Comments:

HALEY & ALDRICH

RECORD OF FIELD MONITORING

3/4/08

Page 3 of 4

PROJECT Seneca Falls Former MGP H&A FILE NO. 34507-009

Reading Type:[1]	Level: (ppm or indicate units)	Time:	PPE Level:[2]
MULTIRAE / BZ	O2 0 %20.9	1315	LEVEL D
DUST / BZ	0.031	"	
PID / BZ	0.1	"	
" / SHOWROOM	O2 0 %20.9	"	
" / SHOWROOM	0.015	"	
" / SHOWROOM	0.0	"	
" / BACKROOMS	O2 0 %20.9	"	
" / BACKROOMS	0.046	"	
" / BACKROOMS	0.0	"	
MULTIRAE / BZ	O2 0 %20.9	1330	
DUST / BZ	0.015	"	
PID / BZ	0.2	"	
" / SHOWROOM	O2 0 %20.9	"	
" / SHOWROOM	0.010 / 0.1	"	
" / SHOWROOM	O2 0 %20.9	"	
" / BACKROOMS		"	
" / BACKROOMS	0.015	"	
" / BACKROOMS	0.1	"	
MULTIRAE / BZ	O2 0 %20.9	1345	
DUST / BZ	0.075	"	
PID / BZ	0.0	"	
" / SHOWROOM	O2 0 %20.9	"	
" / SHOWROOM	0.005	"	
" / SHOWROOM	0.0	"	
" / BACKROOMS	O2 0 %20.9	"	
" / BACKROOMS	0.001	"	
" / BACKROOMS	0.0	"	
MULTIRAE / BZ	O2 0 %20.9	1415	
DUST / BZ	0.046		
PID / BZ	0.0 0.5		
" / SHOWROOM	O2 0 %20.9		
" / SHOWROOM	0.010		
" / SHOWROOM	0.0		
" / BACKROOMS	O2 0 %20.9		
" / BACKROOMS	0.010		
" / BACKROOMS	0.0		
MULTIRAE / BZ	O2 0 %20.9	1435	Setup for Fluid Rotary @ 1495
DUST/PID / BZ	0.037 / 0.2		
" / SHOWROOM	O2 0 %20.9		
" / SHOWROOM	0.012 / 0.1		
" / BACKROOM	O2 0 %20.9		
" / BACKROOM	0.010 / 0.0		

1. Key to Reading Types:
   Breathing Zone-BZ
   Perimeter-P
   Surface-S

2. EPA Levels B, C or D

Comments:

HALEY & ALDRICH

RECORD OF FIELD MONITORING

3/4/08

Page 4 of 4

PROJECT Seneca Falls Former MGP H&A FILE NO. 34507-009

Reading Type:(1)	Level: (ppm or indicate units)	Time:	PPE Level:(2)
MULTIRAE / BZ	0.0 / 0.2	1455	DRILLING SB-08-02
DUSTIPID / "	0.041 / 0.2	"	↓
" / SHOWROOM	0.0 / 0.2	"	
" / "	0.008 / 0.1	"	
" / BACKROOM	0.0 / 0.2	"	
" / "	0.023 / 0.1	"	
MULTIRAE / BZ	0.0 / 0.2	1515	
DUST IPID / "	0.034 / 0.4	"	
" / SHOWROOM	0.0 / 0.2	"	
" / "	0.005 / 0.6	"	
" / BACKROOM	0.0 / 0.2	"	
" / "	0.018 / 0.2	"	
" / BZ	"	1530	
" / "	0.039 / 0.1	"	
" / STORE	"	"	
" / "	0.000 / 0.0	"	
" / BACKROOMS	"	"	
" / "	0.025 / 0.0	"	
" / BZ	"	1550	
" / "	0.048 / 0.2	"	
" / STORE	"	"	↓
" / "	0.000 / 0.0	"	SB-08-02 complete
" / BACKROOMS	"	"	1600 - set MW-08-02
" / "	0.000 / 0.1	"	in Boring
" / BZ	"	1620	↓
" / "	0.011 / 0.1	"	
" / STORE	"	"	
" / "	0.000 / 0.0	"	
" / BACKROOMS	"	"	
" / "	0.000 / 0.1	"	
" / BZ	"	1640	
" / "	0.020 / 0.2	"	
" / STORE	"	"	
" / "	0.020 / 0.0	"	
" / BACKROOMS	"	"	↓
" / "	0.020 / 0.1	"	
		1710	Offsite for day

1. Key to Reading Types:
   Breathing Zone-BZ
   Perimeter-P
   Surface-S

2. EPA Levels B, C or D

Comments:

HALEY & ALDRICH

RECORD OF FIELD MONITORING

PROJECT	Seneca Falls Former MGP Site	**H&A FILE NO.**	34507-009
LOCATION	187 Fall Street, Seneca Falls, NY	**PROJECT MGR.**	Doug Allen
CLIENT	NYSEG	**FIELD REP**	Tina Gross
CONTRACTOR	Parratt Wolff	**DATE**	3/5/2009

Project Description: Gas Holder Investigation

Task Description: Borings / Monitoring wells inside Pick-a-Flick ~~bldg~~ bldg.

Instrument Type: 1) MultiRAE (CO, %LEL, H_2S, O_2) Serial Number: (As read) 150-903867

(OVA, LEL, PID, etc) 2) Dust (3) MiniRAE 2000 Serial Number: 67561/R3566

Calibration and/or operational check completed as per manufacturers instructions: ☒ Yes ☐ No

Time completed: 0820

Weather conditions: ~25° 75°, light SNOW/RAIN/ice

Reading Type:[1]	Level: (ppm or indicate units)	Time:	PPE Level:[2]
1	0 0 0 N.D.	~~0820~~ 0825	core concrete @
2,3 / BZ	0.0/A / 0.1	"	SB-08-03
1	0 0 0 N.D.	0940	start drilling SB-08-03
2,3 / BZ	0.000 / 0.2	"	
1	0 0 0 N.D.	1000	
2,3 / BZ	0.000 / 0.7	"	
1	0 0 0 N.D.	"	
2,3 / STORE	0.000 / 0.6	"	
1	0 0 0 N.D.	"	
2,3 / BACKROOMS	0.000 / 0.6	"	
1	0 0 0 N.D.	1020	0.5 - 0.7 ppm (PID
2,3 / BZ	0.002 / 0.6	"	appear to be background
1	0 0 0 N.D.	"	(outside ambient air)
2,3 / STORE	0.000 / 0.6	"	
1	0 0 0 N.D.	"	
2,3 / BACKROOMS	0.000 / 0.6	"	
1	0 0 0 N.D.	1040	
2,3 / BZ	0.000 / 0.6	"	
1	0 0 0 N.D.	"	
2,3 / STORE	0.000 / 0.5	"	
1	0 0 0 N.D.	"	
2,3 / BACKROOM	0.000 / 0.9	"	

1. Key to Reading Types:
   Breathing Zone-BZ
   Perimeter-P
   Surface-S

2. EPA Levels B, C or D

Comments:

HALEY & ALDRICH

RECORD OF FIELD MONITORING

3/5/08

PROJECT Seneca Falls Former MGP Site H&A FILE NO. 34507-009

Reading Type:[1]	Level: (ppm or indicate units)	Time:	PPE Level:[2]
1	10 0 0 0.9	1100	
2, 3 / BZ	0.000 / 1.0	"	
1	00 0 0 0.9	"	
2, 3 / STORE	0.000 / 1.0	"	
1	00 0 0 0.9	"	
2, 3 / BACKROOMS	0.005 / 0.0	"	
1	10 0 0 0.9	1130	* Re-cal PID
2, 3 / BZ	0.000 / 0.1	"	
1	00 0 0 0.9	"	
2, 3 / STORE	0.00 / 0.1	"	
1	00 0 0 0.9	"	
2, 3 / BACKROOMS	0.000 / 0.1	"	
1	10 0 0 0.9	1200	
2, 3 / BZ	0.000 / 0.1	"	
1	00 0 0 0.9	"	
2, 3 / STORE	0.000 / 0.2	"	
1	00 0 0 0.9	"	
2, 3 / BACKROOM	0.000 / 0.1	"	1215 - Break for lunch
1	00 0 0 0.9	1320	1340 - Resume drilling
2, 3 / BZ	0.000 / 0.0	"	
1	000 0 0.9	"	
2, 3 / STORE	0.000 / 0.0	"	
1	10 0 0 0.9	"	
2, 3 / BACKROOMS	0.000 / 0.0	"	
1	00 0 0 0.9	1340	
2, 3 / BZ	0.000 / 0.0	"	
1	40 0 0 0.9	1400	
2, 3 / BZ	0.000 / 0.0	"	
1	00 0 0 0.9	1412	
2, 3 / STORE	0.000 / 0.0	"	
1	20 0 0 0.9	"	
2, 3 / BACKROOMS	0.000 / 0.0	"	
1	20 0 0 0.9	1430	
2, 3 / BZ	0.000 / 0.0	"	
1	40 0 0 0.9	1450	
2, 3 / BZ	0.000 / 0.0	"	
1	30 0 0 0.9	1510	
2, 3 / BZ	0.000 / 0.2	"	
1	20 0 0 0.9	"	
2, 3 / STORE	0.000 / 0.1	"	
1	10 0 0 0.9	"	
2, 3 / BACKROOMS	0.000 / 0.2	"	

1. Key to Reading Types:
   - Breathing Zone-BZ
   - Perimeter-P
   - Surface-S

2. EPA Levels B, C or D

Comments:

HALEY & ALDRICH

RECORD OF FIELD MONITORING

3/5/08
3
Page 3 of 3

PROJECT Seneca Falls Former MGP Site H&A FILE NO. 34507-009

Reading Type:[1]	Level: (ppm or indicate units)	Time:	PPE Level:[2]
1	60 0 20.9	1520	drill SB-03-03
2,3/BZ	0.000/0.2	"	
1	70 0 20.9	1545	
2,3/BZ	0.000/0.2	"	
1	40 0 20.9	"	
2,3/STORE	0.000/0.1	"	
1	70 0 20.0	"	
2,3/BACKROOM	0.000/0.1	"	
1	60 0 20.9	1610	
2,3/BZ	0.000/0.1	"	
1	80 0 20.9	1630	
2,3/BZ	0.000/0.2	"	
1	20 0 20.9	"	
2,3/STORE	0.000/0.1	"	
1	40 0 20.9	"	
2,3/BACKROOMS	0.000/0.1	"	
1	70 0 20.9	1650	
2,3/BZ	0.000/0.2	"	
1	20 0 20.9	"	
2,3/STORE	0.000/0.1	"	
1	40 0 20.9	"	
2,3/BACKROOMS	0.000/0.1	"	Stop drilling @ 1700

1. Key to Reading Types:
   Breathing Zone-BZ
   Perimeter-P
   Surface-S

2. EPA Levels B, C or D

Comments:

HALEY & ALDRICH

RECORD OF FIELD MONITORING

3/6/08

PROJECT	Seneca Falls Former MGP Site	**H&A FILE NO.**	34507-009
LOCATION	187 Fall Street, Seneca Falls, NY	**PROJECT MGR.**	Doug Allen
CLIENT	NYSEG	**FIELD REP**	Tina Gross
CONTRACTOR	Parratt Wolff	**DATE**	3/6/08

Project Description: PSA - Gas Holder Investigation

Task Description: Drilling inside Pick-A-Flick Building

Instrument Type: 1) MultiRAE (CO, LEL, H_2S, O_2) — Serial Number: 150-908867 (Ashtead rentals)

(OVA, LEL, PID, etc) 2) Dust (PDR1000) / 3) MiniRAE 2000 — Serial Number: 6756 / R35606

Calibration and/or operational check completed as per manufacturers instructions: ☒ Yes ☐ No

Time completed: 0730

Weather conditions: 20°, sunny

Reading Type:[1]	Level: (ppm or indicate units)	Time:	PPE Level:[2]
/	0 0 20.9	0745	Resume drilling
2,3 / BZ	0.000 / 0.0	"	SB-08-03
/	20 0 20.9	0815	
2,3 / BZ	" / "	"	
/	40 0 20.9	0825	
2,3 / BZ	0.070 / 0.1	"	
"	20 0 20.9	0845	
" / BZ	0.007 / 0.1	"	
"	"	0905	
" / BZ	0.000 / 0.4	"	
"	40 0 20.9	0920	
" / BZ	0.058 / 0.2	"	
"	0 0 20.9	0930	
" / STORE	0.000 / 0.0	"	
"	"	"	
" / BACKROOMS	"	"	
"	30 0 20.9	0950	
" / BZ	0.021 / 0.1	"	
"	0 0 20.9	"	
" / STORE	0.000 / 0.0	"	
"	"	"	
" / BACKROOMS	"	"	

1. Key to Reading Types:
   Breathing Zone-BZ
   Perimeter-P
   Surface-S

2. EPA Levels B, C or D

Comments:

HALEY & ALDRICH

RECORD OF FIELD MONITORING

3/6/13

PROJECT BREATHING ZONE - Seneca Falls MGP H&A FILE NO. 34507-009

Reading Type:[1]	Level: (ppm or indicate units)	Time:	PPE Level:[2]
BREATHING ZONE 1)	0 O2 20.9	1020	D
2) / 3)	0.062 / 0.7	"	
"	0 O2 20.9	1050	
"	0.037 / 0.2	"	
"	"	1115	
"	0.011 / 0.2	"	
"	"	1145	
"	0.021 / 0.1	"	lunch break @ MW 1150
1)	"	1245	1230 - RESUME WORK
2) / 3)	0.011 / 0.1	"	
"	"	1300	
"	0.000 / 0.2	"	
	"	1315	
	0.019 / 0.1	"	
	"	1330	
	"	"	
	0.000 / 0.1	1345	
	"	"	
	"	1400	
	"	"	
	"	1415	
	"	"	
	"	1430	
	"	"	
	"	1445	
	"	"	
	"	1500	
	"	"	
	"	1515	
	"	"	
	"	1530	
	"	"	MW-08-01 installed, installing curb boxes, packing up, end all monitoring

BREATHING ZONE

1. Key to Reading Types:
   Breathing Zone-BZ
   Perimeter-P
   Surface-S

2. EPA Levels B, C or D

Comments:

STORE SHOWROOM

HALEY & ALDRICH

RECORD OF FIELD MONITORING

3/6/08

Page 3 ~~2~~ of 4

PROJECT STORE - Seneca Falls NGP H&A FILE NO. 34507-009

Reading Type:(1)	Level: (ppm or indicate units)	Time:	PPE Level:(2)
I	0 0 20.7	1020	D ↓
2/3	0.000/0.0	"	
"	0 0 20.9	1050	
"	"	"	
"	"	1115	
"	"	"	
"	"	1145	Lunch break @ 1150
"	"	"	
"	"	1245	Resume work @ 1230
"	"	"	
"	0 0 20.9	1310	
"	0.000/0.0	"	
"	0 0 20.9	1345	
"	0.000/0.1	"	
"	"	1410	
"	"	"	
"	"	1450	
"	"	"	
"	0 0 20.9	1510	
"	0.000/0.0	"	
"	0 0 20.9	1520	
"	0.000/0.0	"	

1. Key to Reading Types:
   - Breathing Zone-BZ
   - Perimeter-P
   - Surface-S

2. EPA Levels B, C or D

Comments:

BACKROOMS

HALEY & ALDRICH

RECORD OF FIELD MONITORING

3/6/08

PROJECT BACKROOMS - Seneca Falls MGP H&A FILE NO. 34507-009

Reading Type:(1)	Level: (ppm or indicate units)	Time:	PPE Level:(2)
I	% 20.9	1020	D
2/3	0.008 10.0	"	
"	% 20.9	1050	
"	0.041 10.0	"	
"	"	1120	
"	0.000 10.1	"	
"	"	1140	Lunch break @ 1150
"	0.011 10.0	"	Resume work @ 1230
"	"	1245	
"	0.003 10.1	"	
"	"	1315	
"	0.011 10.1	"	
"	"	1340	
"	0.000 10.1	"	
"	"	1405	
"	"	"	
"	"	1440	
"	"	"	
"	"	1505	
"	"	"	
"	"	1515	
"	"	"	

1. Key to Reading Types:
   Breathing Zone-BZ
   Perimeter-P
   Surface-S

2. EPA Levels B, C or D

Comments:

APPENDIX E

Hydraulic Conductivity Analysis

RISING HEAD TEST SUMMARY

WELL NAME: MW-07-02 - TEST 1
DATE OF TEST: 01-JUL-08

Rising Head Permeability Calculation
Bouwer-Rice Method
Kh=[(rc*rc*ln(Re/rw))(ln(Yo/Yt)]/2Lt

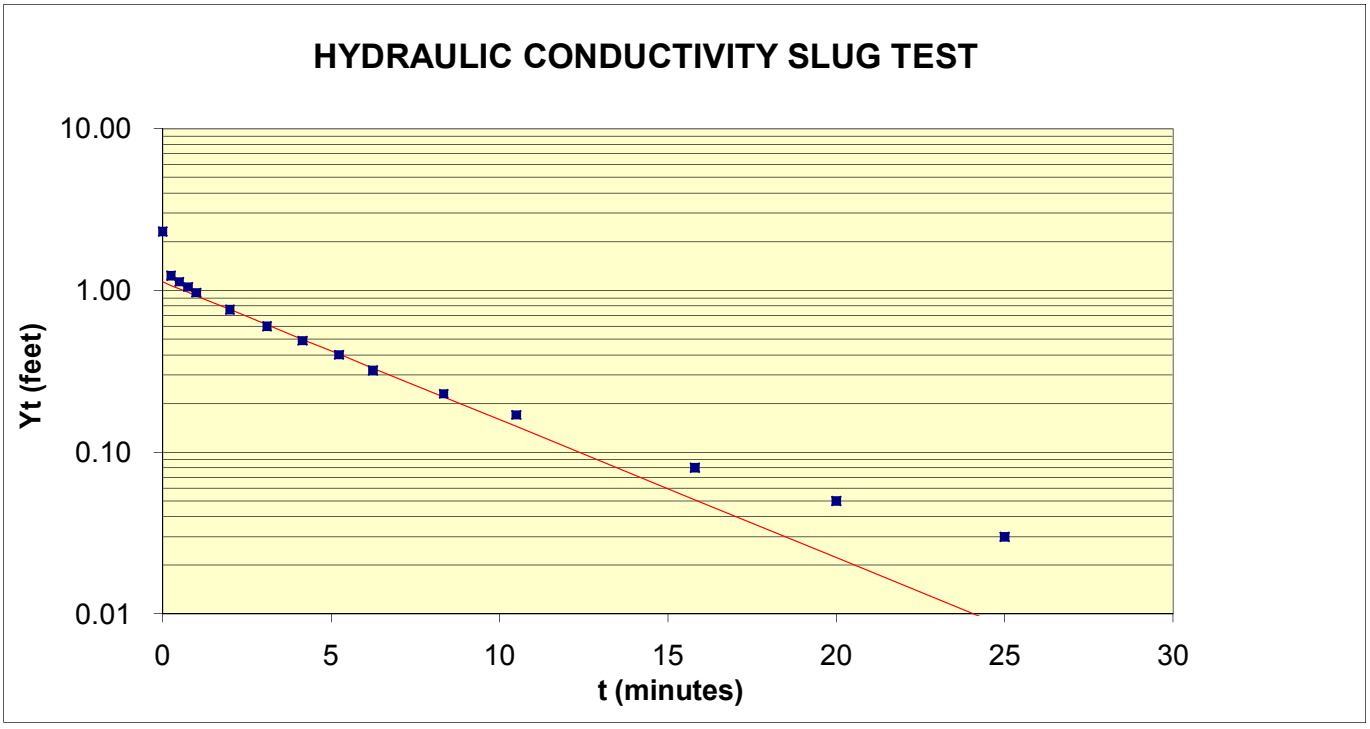
Test Sectn. Radius (rw), in ft.:	0.33
Casing Radius (rc), in ft.:	0.08
Test Section length (L),in ft.:	12.0
C:	2.26
L/rw:	36.00
Saturated Thickness(H),in ft.:	14.9
ln (Re/rw):	2.84
Yo, in ft.:	1.13
Yt, in ft.:	1.075
t, in min.:	0.25
Kh (cm/sec) =	8.2E-05
Kh (ft/min) =	1.6E-04
Kh (ft/day) =	2.3E-01

Static Water
15.11

Rising Head Test Field Data

Depth Water (ft)	Elapsed Time (min)	Residual Head Y (ft)
17.42	0	2.31
16.34	0.25	1.23
16.24	0.5	1.13
16.16	0.75	1.05
16.08	1	0.97
15.87	2	0.76
15.71	3.1	0.60
15.60	4.15	0.49
15.51	5.24	0.40
15.43	6.24	0.32
15.34	8.34	0.23
15.28	10.5	0.17
15.19	15.8	0.08
15.16	20	0.05
15.14	25	0.03

NOTES
1. C=-2.343E-05(L/rw)^2 + .033(L/rw) + 1.103
2. ln(Re/rw) calculated from 1/[{1.1/ln(H/rw)}+{C/(L/rw)}].
3. Test Section radius (rw) is equal to the borehole radius.
4. Method taken from Bouwer and Rice, 1976.
5. Best fit line defined by shaded time values and corresponding residual heads.



ENTERED BY MGB ON 07/13/08

RISING HEAD TEST SUMMARY

WELL NAME: MW-07-02 - TEST 2
DATE OF TEST: 01-JUL-08

Rising Head Permeability Calculation
Bouwer-Rice Method
Kh=[(rc*rc*ln(Re/rw))(ln(Yo/Yt)]/2Lt

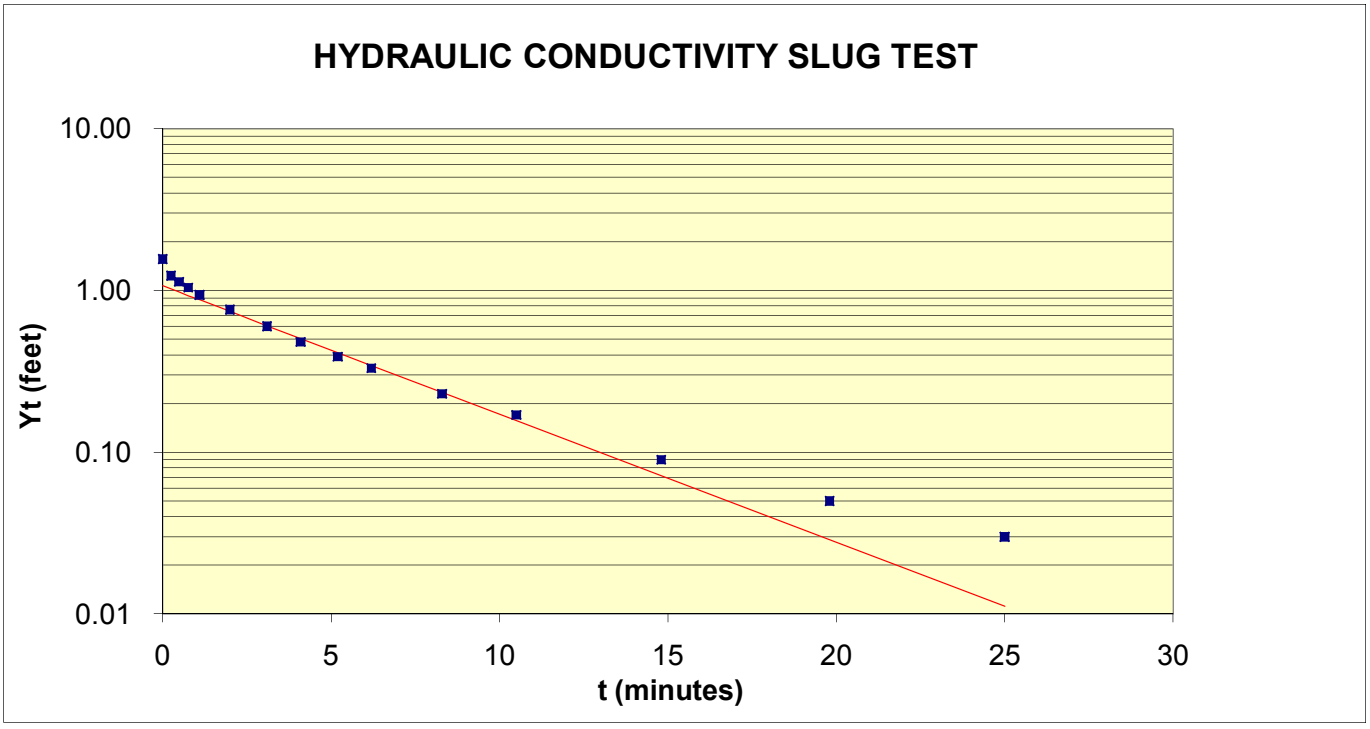
Test Sectn. Radius (rw), in ft.:	0.33
Casing Radius (rc), in ft.:	0.08
Test Section length (L),in ft.:	12.0
C:	2.26
L/rw:	36.00
Saturated Thickness(H),in ft.:	14.9
ln (Re/rw):	2.84
Yo, in ft.:	1.07
Yt, in ft.:	1.019
t, in min.:	0.25
Kh (cm/sec) =	7.6E-05
Kh (ft/min) =	1.5E-04
Kh (ft/day) =	2.2E-01

Static Water
15.11

Rising Head Test Field Data

Depth Water (ft)	Elapsed Time (min)	Residual Head Y (ft)
16.67	0	1.56
16.34	0.25	1.23
16.24	0.49	1.13
16.15	0.76	1.04
16.05	1.1	0.94
15.87	2	0.76
15.71	3.1	0.60
15.59	4.1	0.48
15.50	5.2	0.39
15.44	6.2	0.33
15.34	8.3	0.23
15.28	10.5	0.17
15.20	14.8	0.09
15.16	19.8	0.05
15.14	25	0.03

NOTES
1. C=-2.343E-05(L/rw)^2 + .033(L/rw) + 1.103
2. ln(Re/rw) calculated from 1/[{1.1/ln(H/rw)}+{C/(L/rw)}].
3. Test Section radius (rw) is equal to the borehole radius.
4. Method taken from Bouwer and Rice, 1976.
5. Best fit line defined by shaded time values and corresponding residual heads.



ENTERED BY MGB ON 07/13/08

RISING HEAD TEST SUMMARY

WELL NAME: MW-07-02 - TEST 1 (MANUAL)
DATE OF TEST: 01-JUL-08

Rising Head Permeability Calculation
Bouwer-Rice Method
Kh=[(rc*rc*ln(Re/rw))(ln(Yo/Yt)]/2Lt

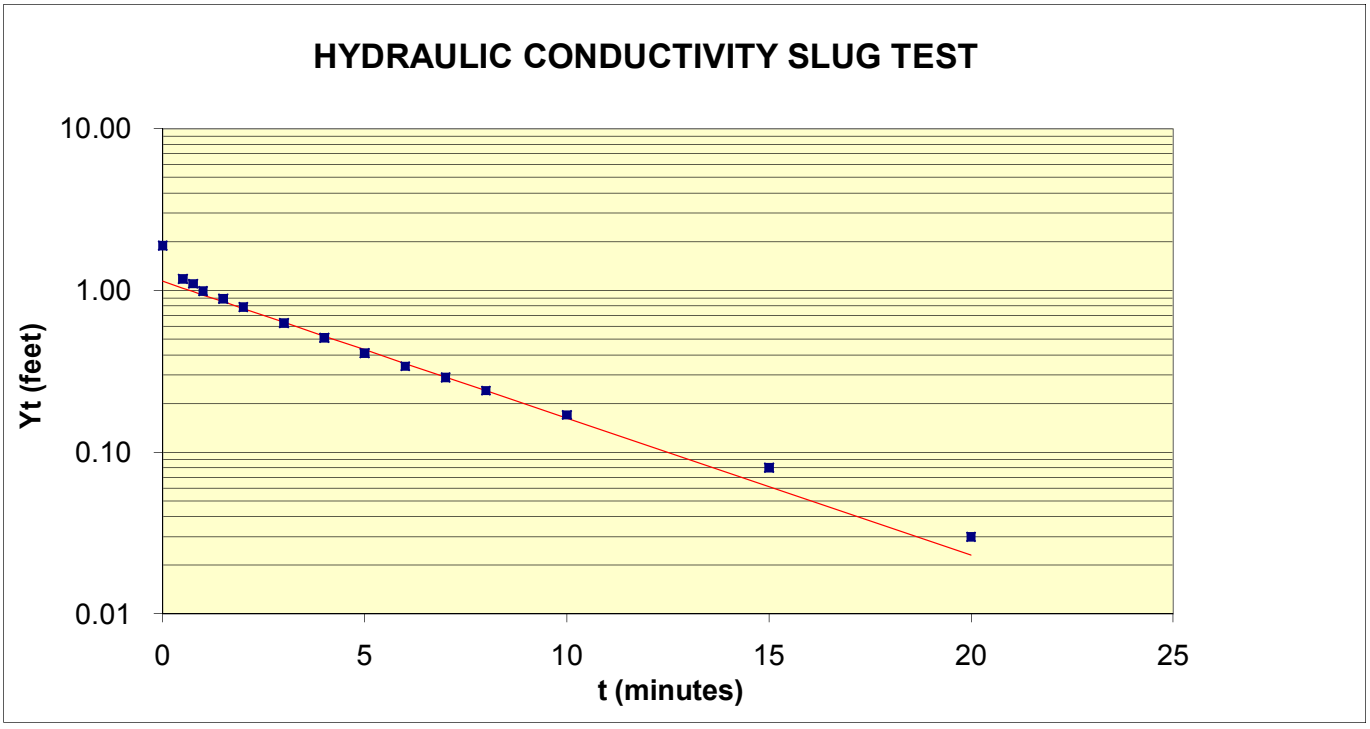
Test Sectn. Radius (rw), in ft.:	0.33
Casing Radius (rc), in ft.:	0.08
Test Section length (L),in ft.:	12.0
C:	2.26
L/rw:	36.00
Saturated Thickness(H),in ft.:	14.9
ln (Re/rw):	2.84
Yo, in ft.:	1.14
Yt, in ft.:	1.033
t, in min.:	0.50
Kh (cm/sec) =	8.1E-05
Kh (ft/min) =	1.6E-04
Kh (ft/day) =	2.3E-01

Static Water
15.11

Rising Head Test Field Data

Depth Water (ft)	Elapsed Time (min)	Residual Head Y (ft)
17	0	1.89
16.29	0.5	1.18
16.21	0.75	1.10
16.10	1	0.99
16.00	1.5	0.89
15.90	2	0.79
15.74	3	0.63
15.62	4	0.51
15.52	5	0.41
15.45	6	0.34
15.40	7	0.29
15.35	8	0.24
15.28	10	0.17
15.19	15	0.08
15.14	20	0.03

NOTES
1. C=-2.343E-05(L/rw)^2 + .033(L/rw) + 1.103
2. ln(Re/rw) calculated from 1/[{1.1/ln(H/rw)}+{C/(L/rw)}].
3. Test Section radius (rw) is equal to the borehole radius.
4. Method taken from Bouwer and Rice, 1976.
5. Best fit line defined by shaded time values and corresponding residual heads.



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RISING HEAD TEST SUMMARY

WELL NAME: MW-07-03
DATE OF TEST: 01-JUL-08

Rising Head Permeability Calculation
Bouwer-Rice Method
Kh=[(rc*rc*ln(Re/rw))(ln(Yo/Yt)]/2Lt

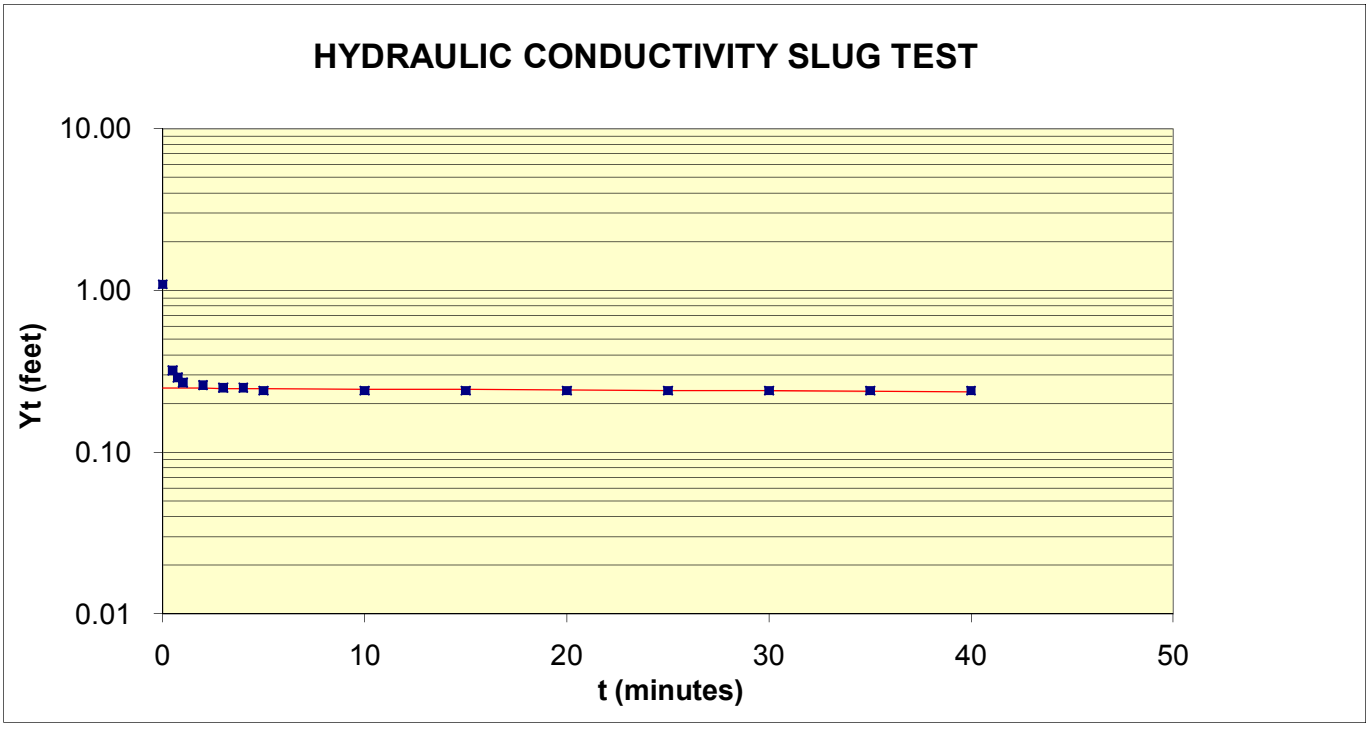
Test Sectn. Radius (rw), in ft.:	0.33
Casing Radius (rc), in ft.:	0.19
Test Section length (L),in ft.:	7.6
C:	1.84
L/rw:	22.77
Saturated Thickness(H),in ft.:	7.6
ln (Re/rw):	2.31
Yo, in ft.:	0.25
Yt, in ft.:	0.249
t, in min.:	0.50
Kh (cm/sec) =	3.6E-06
Kh (ft/min) =	7.1E-06
Kh (ft/day) =	1.0E-02

Static Water
6.91

Rising Head Test Field Data

Depth Water (ft)	Elapsed Time (min)	Residual Head Y (ft)
8.00	0	1.09
7.23	0.5	0.32
7.20	0.75	0.29
7.18	1	0.27
7.17	2	0.26
7.16	3	0.25
7.16	4	0.25
7.15	5	0.24
7.15	10	0.24
7.15	15	0.24
7.15	20	0.24
7.15	25	0.24
7.15	30	0.24
7.15	35	0.24
7.15	40	0.24

NOTES
1. C=-2.343E-05(L/rw)^2 + .033(L/rw) + 1.103
2. ln(Re/rw) calculated from 1/[{1.1/ln(H/rw)}+{C/(L/rw)}].
3. Test Section radius (rw) is equal to the borehole radius.
4. Method taken from Bouwer and Rice, 1976.
5. Best fit line defined by shaded time values and corresponding residual heads.



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RISING HEAD TEST SUMMARY

WELL NAME: MW-07-04
DATE OF TEST: 01-JUL-08

Rising Head Permeability Calculation
Bouwer-Rice Method
Kh=[(rc*rc*ln(Re/rw))(ln(Yo/Yt)]/2Lt

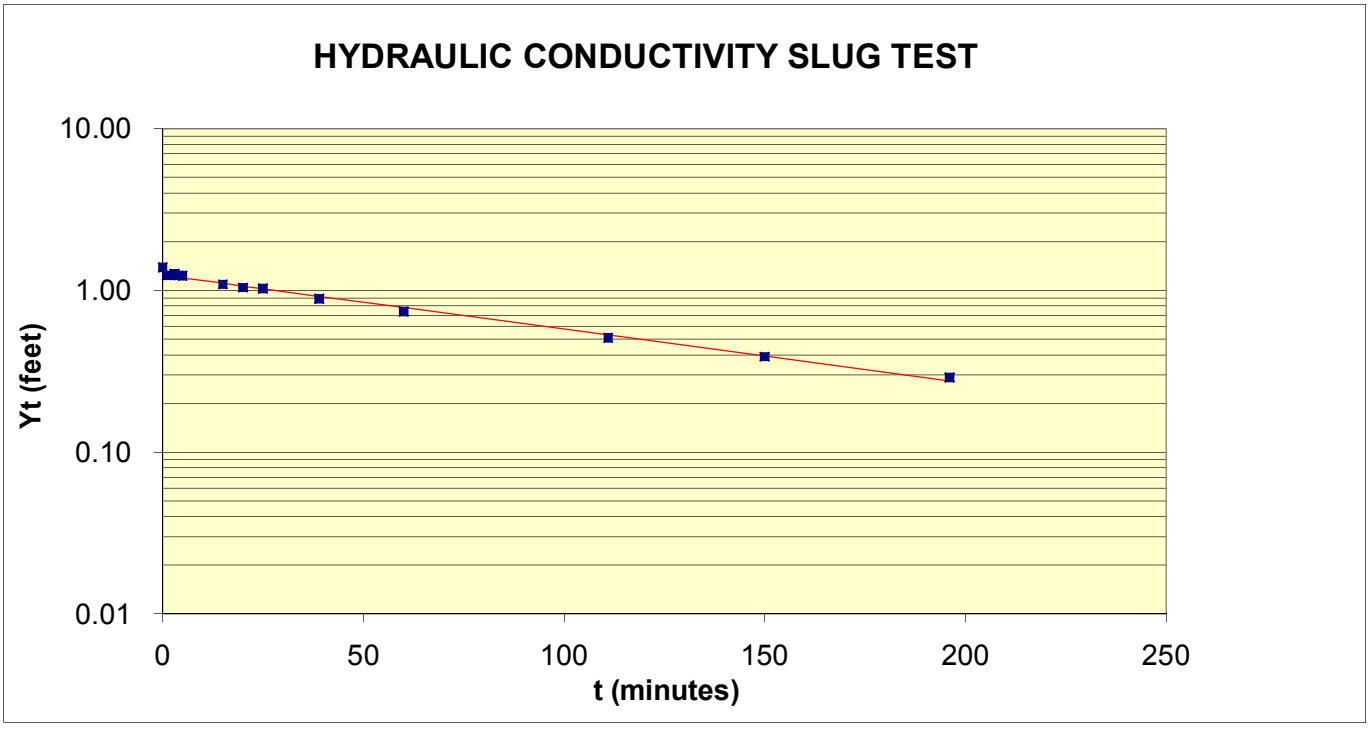
Test Sectn. Radius (rw), in ft.:	0.33
Casing Radius (rc), in ft.:	0.08
Test Section length (L),in ft.:	12.0
C:	2.26
L/rw:	36.00
Saturated Thickness(H),in ft.:	14.9
ln (Re/rw):	2.84
Yo, in ft.:	1.24
Yt, in ft.:	1.232
t, in min.:	1.00
Kh (cm/sec) =	3.2E-06
Kh (ft/min) =	6.3E-06
Kh (ft/day) =	9.1E-03

Static Water
14.61

Rising Head Test Field Data

Depth Water (ft)	Elapsed Time (min)	Residual Head Y (ft)
16.00	0	1.39
15.85	1	1.24
15.85	1.5	1.24
15.85	2	1.24
15.88	3	1.27
15.85	4	1.24
15.84	5	1.23
15.70	15	1.09
15.65	20	1.04
15.64	25	1.03
15.50	39	0.89
15.35	60	0.74
15.12	111	0.51
15.00	150	0.39
14.90	196	0.29

NOTES
1. C=-2.343E-05(L/rw)^2 + .033(L/rw) + 1.103
2. ln(Re/rw) calculated from 1/[{1.1/ln(H/rw)}+{C/(L/rw)}].
3. Test Section radius (rw) is equal to the borehole radius.
4. Method taken from Bouwer and Rice, 1976.
5. Best fit line defined by shaded time values and corresponding residual heads.



ENTERED BY MGB ON 07/13/08

RISING HEAD TEST SUMMARY

WELL NAME: MW-07-05 - TEST 1
DATE OF TEST: 01-JUL-08

Rising Head Permeability Calculation
Bouwer-Rice Method
Kh=[(rc*rc*ln(Re/rw))(ln(Yo/Yt)]/2Lt

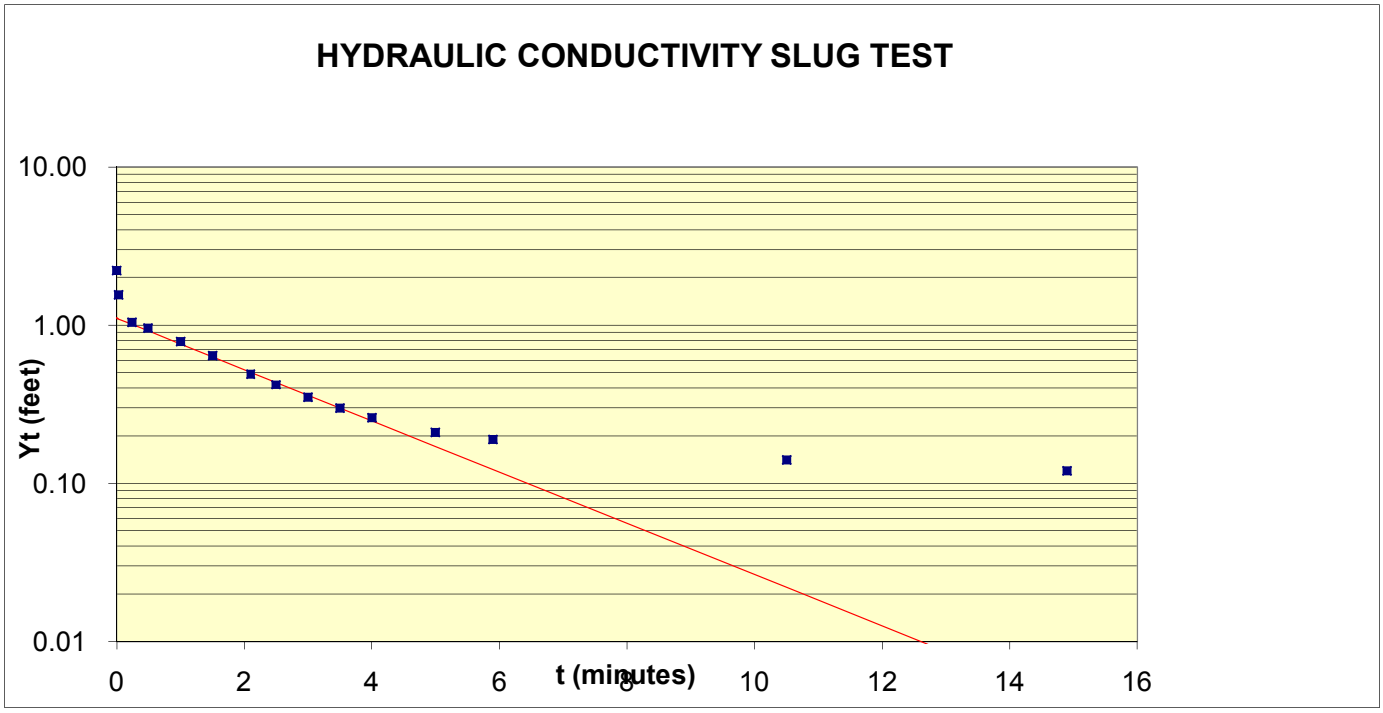
Test Sectn. Radius (rw), in ft.:	0.33
Casing Radius (rc), in ft.:	0.08
Test Section length (L),in ft.:	10.3
C:	2.10
L/rw:	30.75
Saturated Thickness(H),in ft.:	11.6
ln (Re/rw):	2.64
Yo, in ft.:	1.11
Yt, in ft.:	1.097
t, in min.:	0.03
Kh (cm/sec) =	1.7E-04
Kh (ft/min) =	3.3E-04
Kh (ft/day) =	4.8E-01

Static Water
2.94

Rising Head Test Field Data

Depth Water (ft)	Elapsed Time (min)	Residual Head Y (ft)
5.15	0	2.21
4.50	0.025	1.56
3.98	0.24	1.04
3.90	0.49	0.96
3.73	1	0.79
3.58	1.5	0.64
3.43	2.1	0.49
3.36	2.5	0.42
3.29	3	0.35
3.24	3.5	0.30
3.20	4	0.26
3.15	5	0.21
3.13	5.9	0.19
3.08	10.5	0.14
3.06	14.9	0.12

NOTES
1. C=-2.343E-05(L/rw)^2 + .033(L/rw) + 1.103
2. ln(Re/rw) calculated from 1/[{1.1/ln(H/rw)}+{C/(L/rw)}].
3. Test Section radius (rw) is equal to the borehole radius.
4. Method taken from Bouwer and Rice, 1976.
5. Best fit line defined by shaded time values and corresponding residual heads.



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RISING HEAD TEST SUMMARY

WELL NAME: MW-07-05 - TEST 2
DATE OF TEST: 01-JUL-08

Rising Head Permeability Calculation
Bouwer-Rice Method
Kh=[(rc*rc*ln(Re/rw))(ln(Yo/Yt)]/2Lt

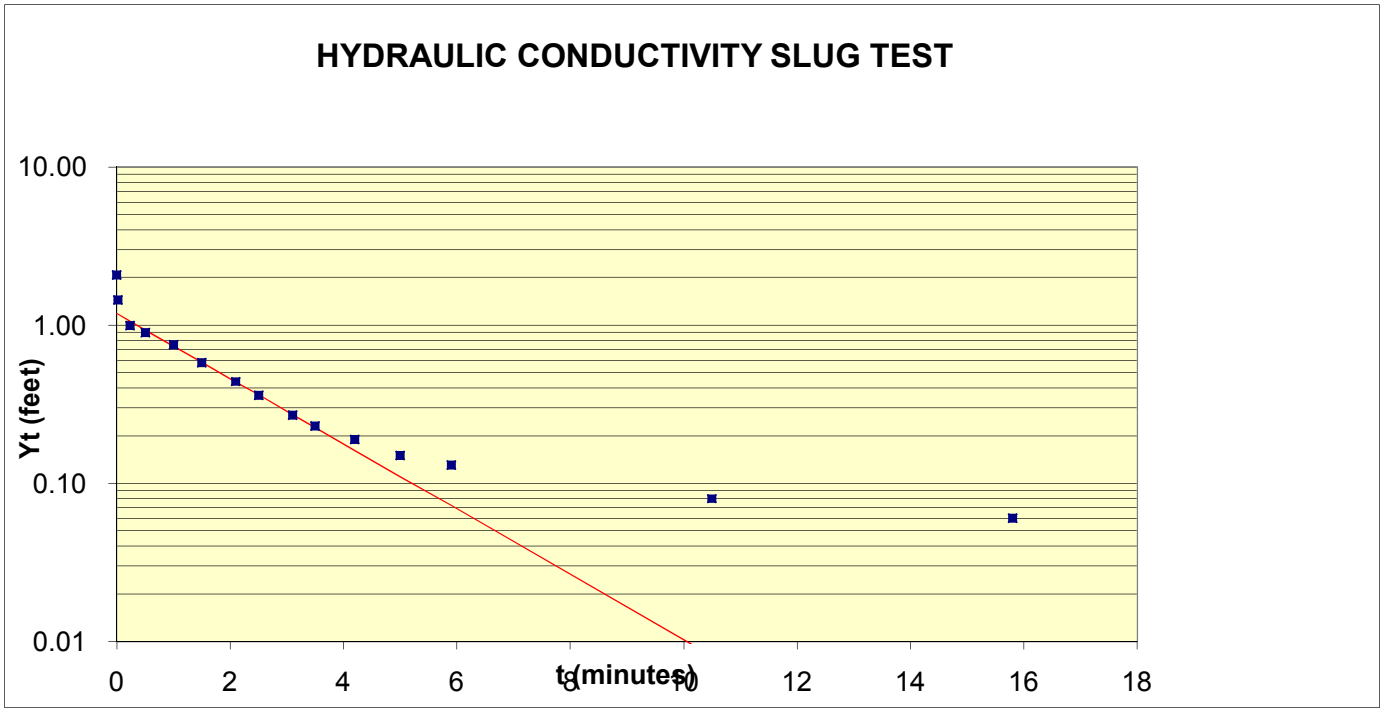
Test Sectn. Radius (rw), in ft.:	0.33
Casing Radius (rc), in ft.:	0.08
Test Section length (L),in ft.:	10.3
C:	2.10
L/rw:	30.75
Saturated Thickness(H),in ft.:	11.6
ln (Re/rw):	2.64
Yo, in ft.:	1.19
Yt, in ft.:	1.178
t, in min.:	0.03
Kh (cm/sec) =	2.2E-04
Kh (ft/min) =	4.3E-04
Kh (ft/day) =	6.1E-01

NOTES
1. C=-2.343E-05(L/rw)^2 + .033(L/rw) + 1.103
2. ln(Re/rw) calculated from 1/[{1.1/ln(H/rw)}+{C/(L/rw)}].
3. Test Section radius (rw) is equal to the borehole radius.
4. Method taken from Bouwer and Rice, 1976.
5. Best fit line defined by shaded time values and corresponding residual heads.

Static Water
2.94

Rising Head Test Field Data

Depth Water (ft)	Elapsed Time (min)	Residual Head Y (ft)
5.02	0	2.08
4.38	0.025	1.44
3.93	0.24	0.99
3.84	0.51	0.90
3.69	1	0.75
3.52	1.5	0.58
3.38	2.1	0.44
3.30	2.5	0.36
3.21	3.1	0.27
3.17	3.5	0.23
3.13	4.2	0.19
3.09	5	0.15
3.07	5.9	0.13
3.02	10.5	0.08
3.00	15.8	0.06



ENTERED BY MGB ON 07/13/08

RISING HEAD TEST SUMMARY

WELL NAME: MW-07-05 - TEST 2 - MANUAL
DATE OF TEST: 01-JUL-08

Rising Head Permeability Calculation
Bouwer-Rice Method
Kh=[(rc*rc*ln(Re/rw))(ln(Yo/Yt)]/2Lt

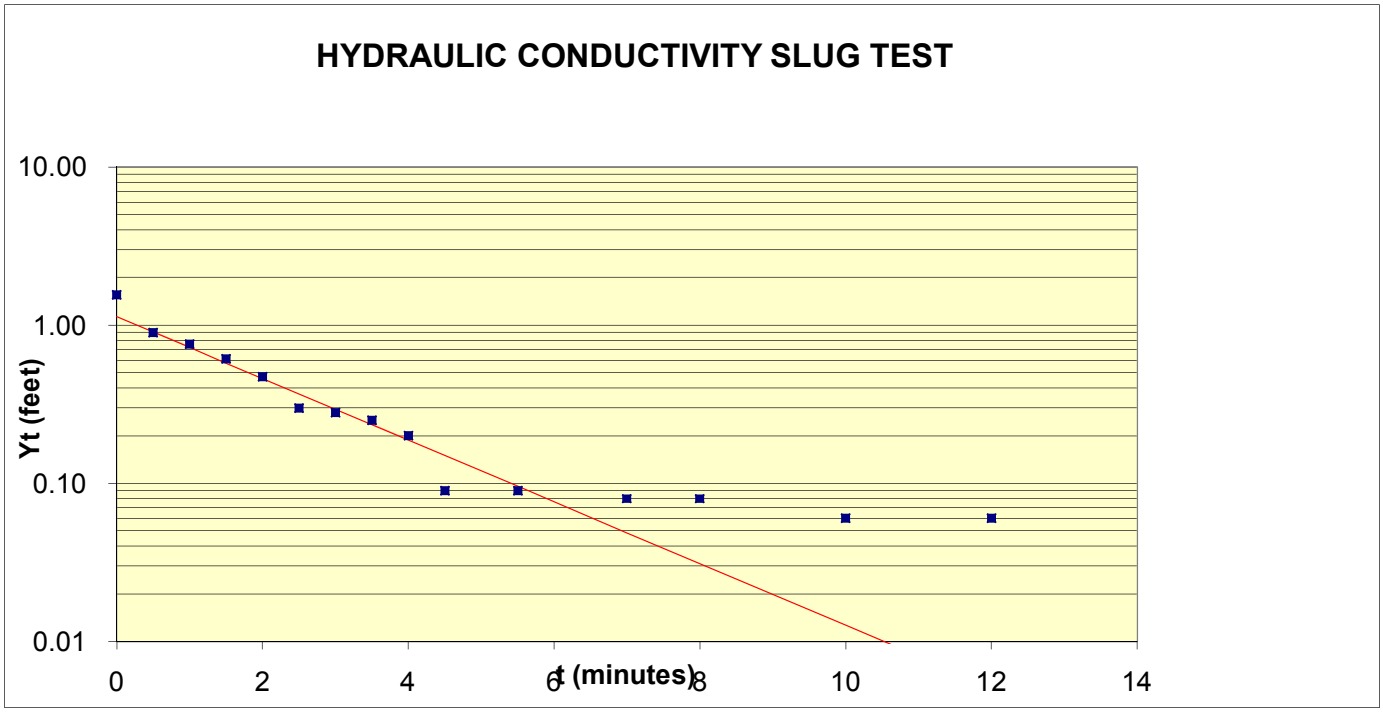
Test Sectn. Radius (rw), in ft.:	0.33
Casing Radius (rc), in ft.:	0.08
Test Section length (L),in ft.:	10.3
C:	2.10
L/rw:	30.75
Saturated Thickness(H),in ft.:	11.6
ln (Re/rw):	2.64
Yo, in ft.:	1.13
Yt, in ft.:	0.904
t, in min.:	0.50
Kh (cm/sec) =	2.0E-04
Kh (ft/min) =	4.0E-04
Kh (ft/day) =	5.8E-01

NOTES
1. C=-2.343E-05(L/rw)^2 + .033(L/rw) + 1.103
2. ln(Re/rw) calculated from 1/[{1.1/ln(H/rw)}+{C/(L/rw)}].
3. Test Section radius (rw) is equal to the borehole radius.
4. Method taken from Bouwer and Rice, 1976.
5. Best fit line defined by shaded time values and corresponding residual heads.

Static Water
2.94

Rising Head Test Field Data

Depth Water (ft)	Elapsed Time (min)	Residual Head Y (ft)
4.5	0	1.56
3.84	0.5	0.90
3.70	1	0.76
3.55	1.5	0.61
3.41	2	0.47
3.24	2.5	0.30
3.22	3	0.28
3.19	3.5	0.25
3.14	4	0.20
3.03	4.5	0.09
3.03	5.5	0.09
3.02	7	0.08
3.02	8	0.08
3.00	10	0.06
3.00	12	0.06



ENTERED BY MGB ON 07/13/08

RISING HEAD TEST SUMMARY

WELL NAME: MW-07-06 - TEST 1
DATE OF TEST: 01-JUL-08

Rising Head Permeability Calculation
Bouwer-Rice Method
Kh=[(rc*rc*ln(Re/rw))(ln(Yo/Yt)]/2Lt

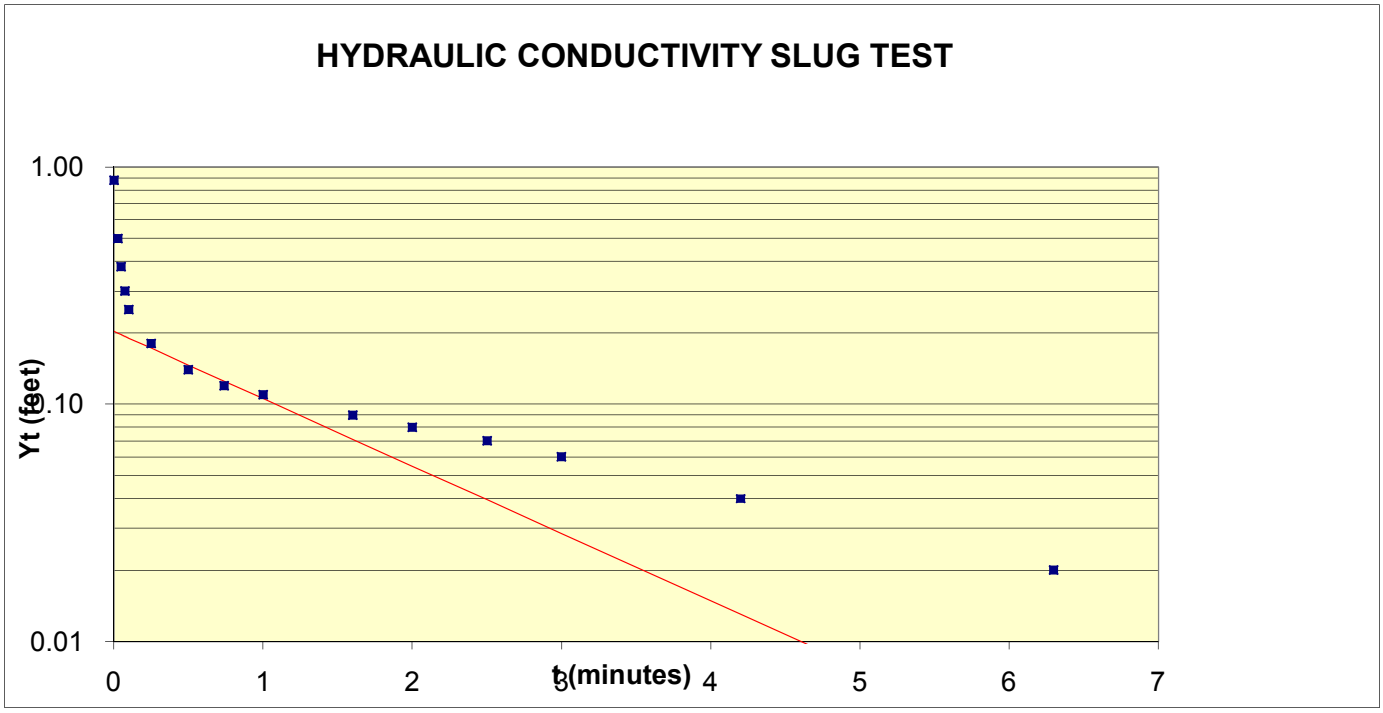
Test Sectn. Radius (rw), in ft.:	0.33
Casing Radius (rc), in ft.:	0.19
Test Section length (L),in ft.:	6.2
C:	1.71
L/rw:	18.60
Saturated Thickness(H),in ft.:	6.2
ln (Re/rw):	2.14
Yo, in ft.:	0.20
Yt, in ft.:	0.200
t, in min.:	0.03
Kh (cm/sec) =	2.1E-03
Kh (ft/min) =	4.2E-03
Kh (ft/day) =	6.1E+00

NOTES
1. C=-2.343E-05(L/rw)^2 + .033(L/rw) + 1.103
2. ln(Re/rw) calculated from 1/[{1.1/ln(H/rw)}+{C/(L/rw)}].
3. Test Section radius (rw) is equal to the borehole radius.
4. Method taken from Bouwer and Rice, 1976.
5. Best fit line defined by shaded time values and corresponding residual heads.

Static Water
5.70

Rising Head Test Field Data

Depth Water (ft)	Elapsed Time (min)	Residual Head Y (ft)
6.6	0	0.88
6.20	0.025	0.50
6.08	0.05	0.38
6.00	0.075	0.30
5.95	0.1	0.25
5.88	0.25	0.18
5.84	0.5	0.14
5.82	0.74	0.12
5.81	1	0.11
5.79	1.6	0.09
5.78	2	0.08
5.77	2.5	0.07
5.76	3	0.06
5.74	4.2	0.04
5.72	6.3	0.02



ENTERED BY MGB ON 07/13/08

RISING HEAD TEST SUMMARY

WELL NAME: MW-07-06 - TEST 2
DATE OF TEST: 01-JUL-08

Rising Head Permeability Calculation
Bouwer-Rice Method
Kh=[(rc*rc*ln(Re/rw))(ln(Yo/Yt)]/2Lt

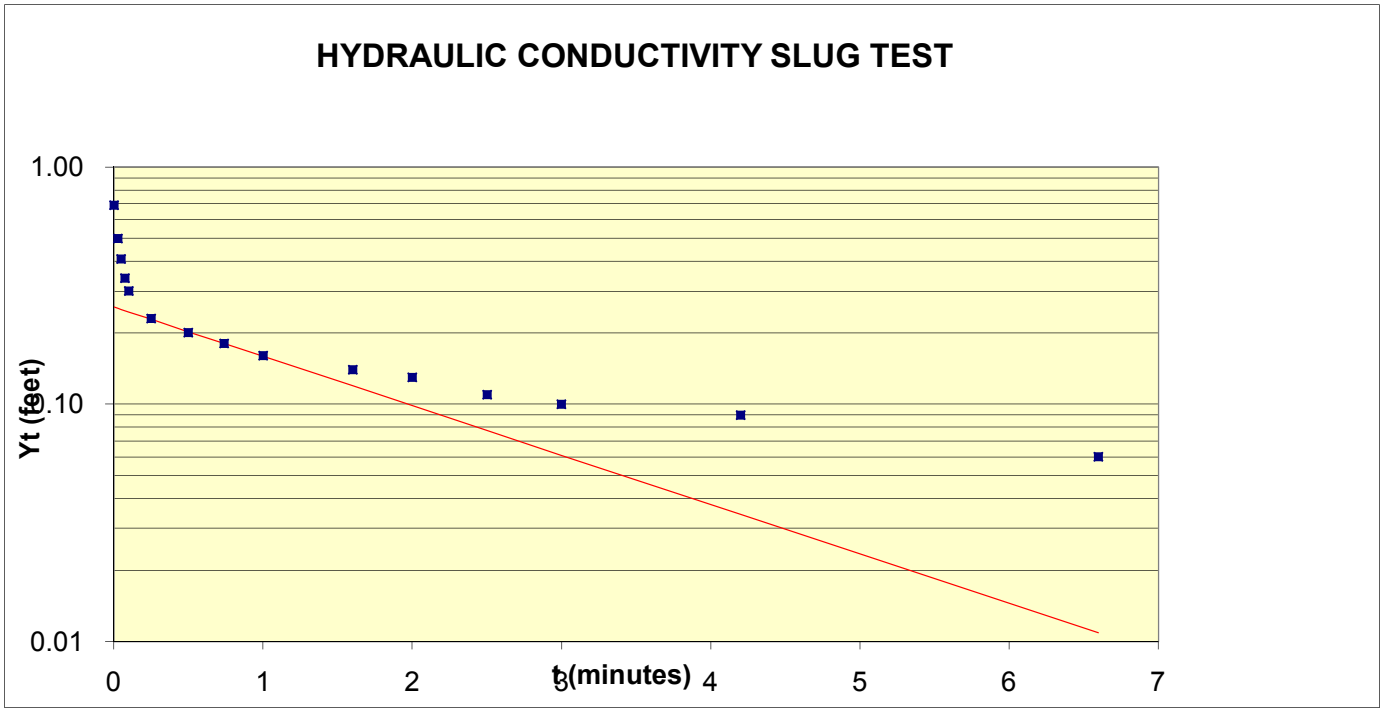
Test Sectn. Radius (rw), in ft.:	0.33
Casing Radius (rc), in ft.:	0.19
Test Section length (L),in ft.:	6.2
C:	1.71
L/rw:	18.60
Saturated Thickness(H),in ft.:	6.2
ln (Re/rw):	2.14
Yo, in ft.:	0.26
Yt, in ft.:	0.254
t, in min.:	0.03
Kh (cm/sec) =	1.6E-03
Kh (ft/min) =	3.1E-03
Kh (ft/day) =	4.5E+00

NOTES
1. C=-2.343E-05(L/rw)^2 + .033(L/rw) + 1.103
2. ln(Re/rw) calculated from 1/[{1.1/ln(H/rw)}+{C/(L/rw)}].
3. Test Section radius (rw) is equal to the borehole radius.
4. Method taken from Bouwer and Rice, 1976.
5. Best fit line defined by shaded time values and corresponding residual heads.

Static Water
5.70

Rising Head Test Field Data

Depth Water (ft)	Elapsed Time (min)	Residual Head Y (ft)
6.39	0	0.69
6.20	0.027	0.50
6.11	0.048	0.41
6.04	0.073	0.34
6.00	0.1	0.30
5.93	0.25	0.23
5.90	0.5	0.20
5.88	0.74	0.18
5.86	1	0.16
5.84	1.6	0.14
5.83	2	0.13
5.81	2.5	0.11
5.80	3	0.10
5.79	4.2	0.09
5.76	6.6	0.06



ENTERED BY MGB ON 07/13/08

RISING HEAD TEST SUMMARY

WELL NAME: MW-07-06 - TEST 1 - MANUAL
DATE OF TEST: 01-JUL-08

Rising Head Permeability Calculation
Bouwer-Rice Method
Kh=[(rc*rc*ln(Re/rw))(ln(Yo/Yt)]/2Lt

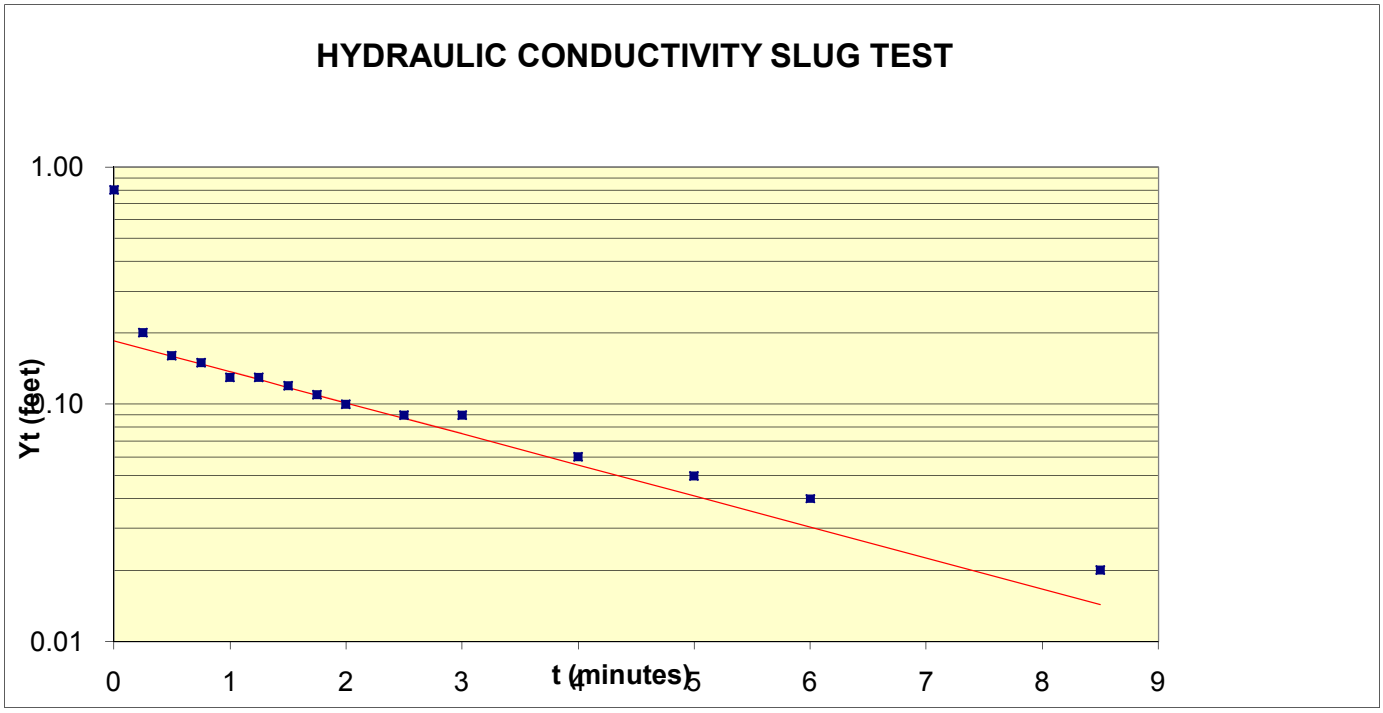
Test Sectn. Radius (rw), in ft.:	0.33
Casing Radius (rc), in ft.:	0.19
Test Section length (L),in ft.:	6.2
C:	1.71
L/rw:	18.60
Saturated Thickness(H),in ft.:	6.2
ln (Re/rw):	2.14
Yo, in ft.:	0.19
Yt, in ft.:	0.172
t, in min.:	0.25
Kh (cm/sec) =	9.9E-04
Kh (ft/min) =	1.9E-03
Kh (ft/day) =	2.8E+00

Static Water 5.70

Rising Head Test Field Data

Depth Water (ft)	Elapsed Time (min)	Residual Head Y (ft)
6.5	0	0.80
5.90	0.25	0.20
5.86	0.5	0.16
5.85	0.75	0.15
5.83	1	0.13
5.83	1.25	0.13
5.82	1.5	0.12
5.81	1.75	0.11
5.80	2	0.10
5.79	2.5	0.09
5.79	3	0.09
5.76	4	0.06
5.75	5	0.05
5.74	6	0.04
5.72	8.5	0.02

NOTES
1. C=-2.343E-05(L/rw)^2 + .033(L/rw) + 1.103
2. ln(Re/rw) calculated from 1/[{1.1/ln(H/rw)}+{C/(L/rw)}].
3. Test Section radius (rw) is equal to the borehole radius.
4. Method taken from Bouwer and Rice, 1976.
5. Best fit line defined by shaded time values and corresponding residual heads.



ENTERED BY MGB ON 07/13/08

RISING HEAD TEST SUMMARY

WELL NAME: MW-08-02 - TEST 1
DATE OF TEST: 01-JUL-08

Rising Head Permeability Calculation
Bouwer-Rice Method
Kh=[(rc*rc*ln(Re/rw))(ln(Yo/Yt)]/2Lt

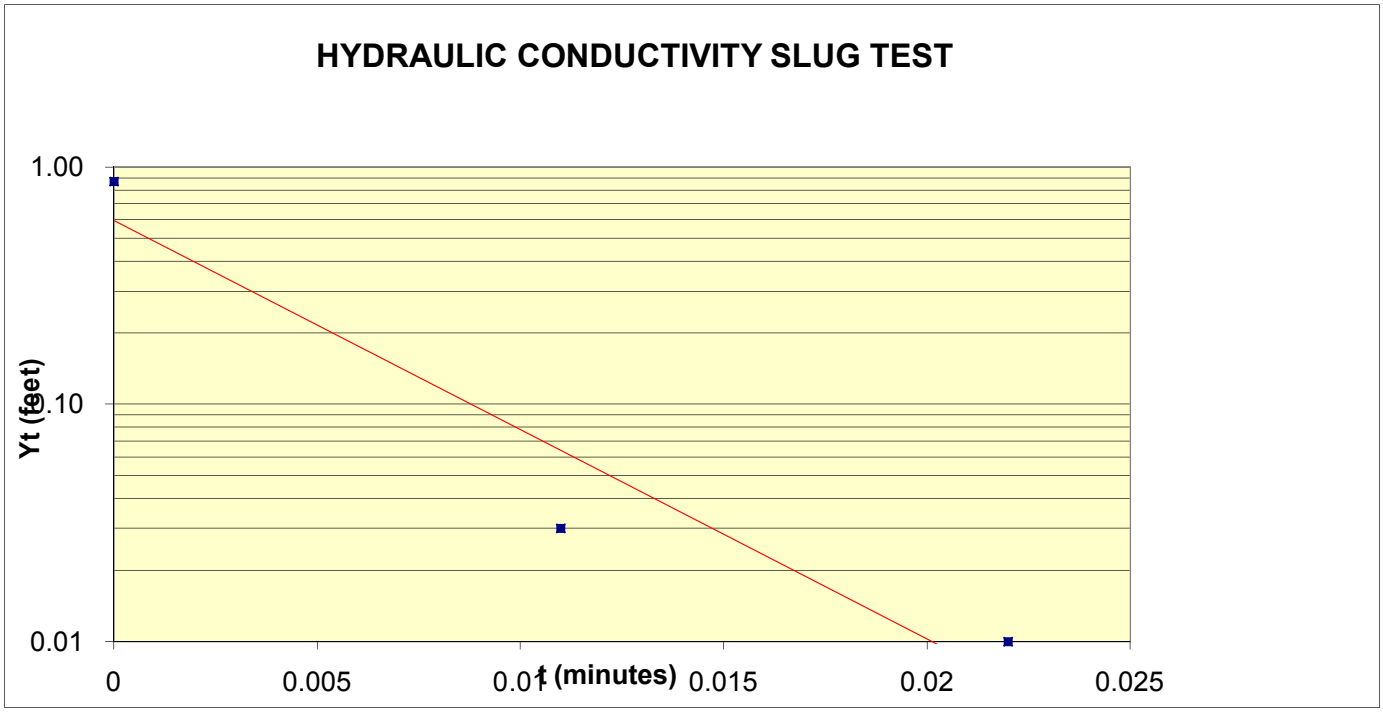
Test Sectn. Radius (rw), in ft.:	0.33
Casing Radius (rc), in ft.:	0.08
Test Section length (L),in ft.:	10.3
C:	2.10
L/rw:	30.75
Saturated Thickness(H),in ft.:	11.6
ln (Re/rw):	2.64
Yo, in ft.:	0.60
Yt, in ft.:	0.064
t, in min.:	0.01
Kh (cm/sec) =	9.2E-02
Kh (ft/min) =	1.8E-01
Kh (ft/day) =	2.6E+02

Static Water
6.33

Rising Head Test Field Data

Depth Water (ft)	Elapsed Time (min)	Residual Head Y (ft)
7.20	0	0.87
6.36	0.011	0.03
6.34	0.022	0.01

NOTES
1. C=-2.343E-05(L/rw)^2 + .033(L/rw) + 1.103
2. ln(Re/rw) calculated from 1/[{1.1/ln(H/rw)}+{C/(L/rw)}].
3. Test Section radius (rw) is equal to the borehole radius.
4. Method taken from Bouwer and Rice, 1976.
5. Best fit line defined by shaded time values and corresponding residual heads.



ENTERED BY MGB ON 07/13/08

RISING HEAD TEST SUMMARY

WELL NAME: MW-08-02 - TEST 2
DATE OF TEST: 01-JUL-08

Rising Head Permeability Calculation
Bouwer-Rice Method
Kh=[(rc*rc*ln(Re/rw))(ln(Yo/Yt)]/2Lt

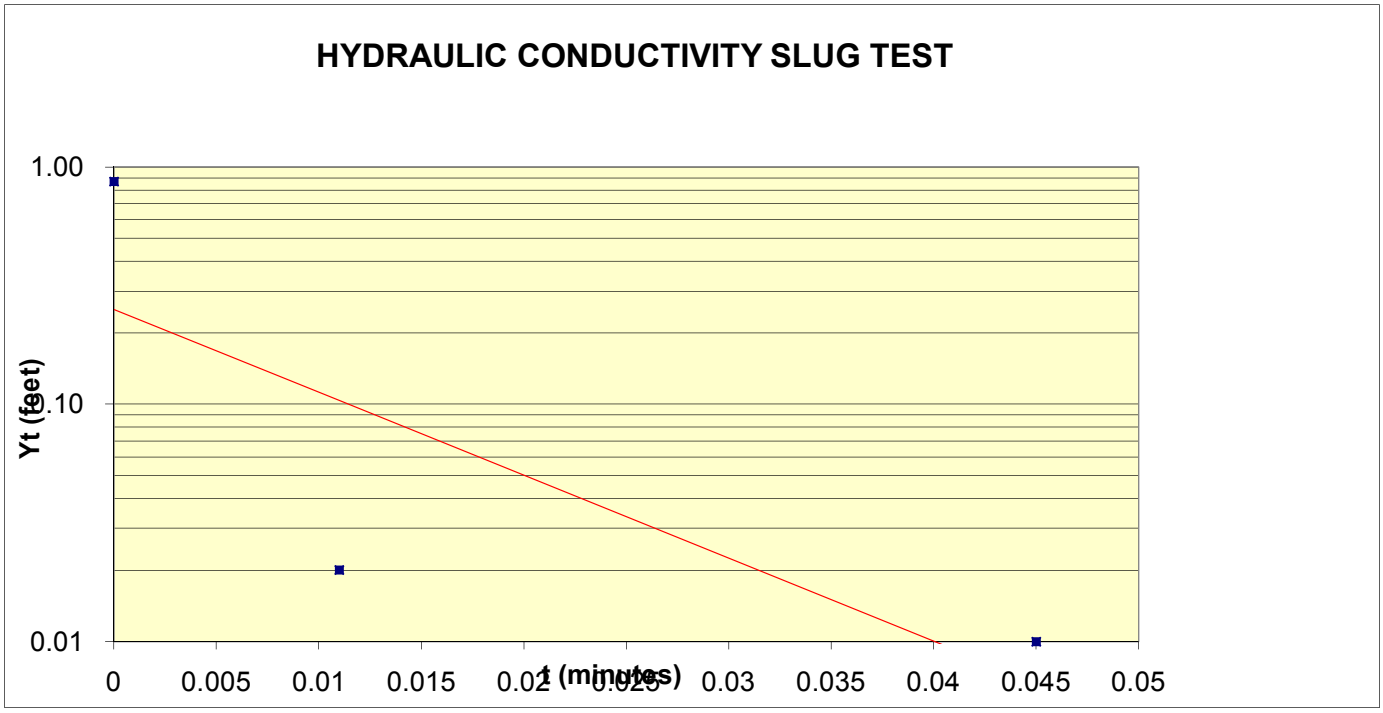
Test Sectn. Radius (rw), in ft.:	0.33
Casing Radius (rc), in ft.:	0.08
Test Section length (L),in ft.:	10.3
C:	2.10
L/rw:	30.75
Saturated Thickness(H),in ft.:	11.6
ln (Re/rw):	2.64
Yo, in ft.:	0.25
Yt, in ft.:	0.104
t, in min.:	0.01
Kh (cm/sec) =	3.7E-02
Kh (ft/min) =	7.2E-02
Kh (ft/day) =	1.0E+02

Static Water
6.33

Rising Head Test Field Data

Depth Water (ft)	Elapsed Time (min)	Residual Head Y (ft)
7.20	0	0.87
6.35	0.011	0.02
6.34	0.045	0.01

NOTES
1. C=-2.343E-05(L/rw)^2 + .033(L/rw) + 1.103
2. ln(Re/rw) calculated from 1/[{1.1/ln(H/rw)}+{C/(L/rw)}].
3. Test Section radius (rw) is equal to the borehole radius.
4. Method taken from Bouwer and Rice, 1976.
5. Best fit line defined by shaded time values and corresponding residual heads.



ENTERED BY MGB ON 07/13/08

RISING HEAD TEST SUMMARY

WELL NAME: MW-08-03 - TEST 1
DATE OF TEST: 01-JUL-08

Rising Head Permeability Calculation
Bouwer-Rice Method
Kh=[(rc*rc*ln(Re/rw))(ln(Yo/Yt)]/2Lt

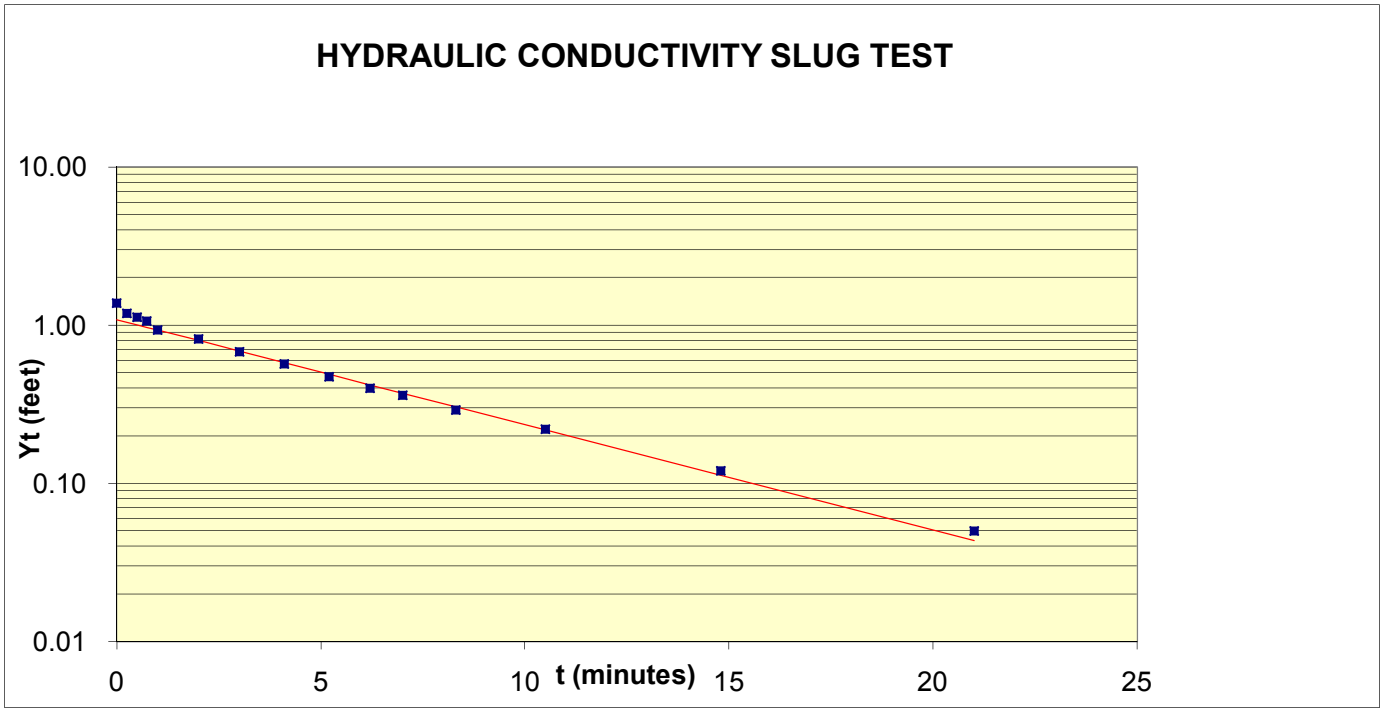
Test Sectn. Radius (rw), in ft.:	0.33
Casing Radius (rc), in ft.:	0.19
Test Section length (L),in ft.:	11.4
C:	2.20
L/rw:	34.17
Saturated Thickness(H),in ft.:	11.4
ln (Re/rw):	2.66
Yo, in ft.:	1.09
Yt, in ft.:	1.046
t, in min.:	0.24
Kh (cm/sec) =	3.4E-04
Kh (ft/min) =	6.7E-04
Kh (ft/day) =	9.7E-01

Static Water 16.61

Rising Head Test Field Data

Depth Water (ft)	Elapsed Time (min)	Residual Head Y (ft)
17.99	0	1.38
17.80	0.24	1.19
17.73	0.5	1.12
17.67	0.74	1.06
17.54	1	0.93
17.43	2	0.82
17.29	3	0.68
17.18	4.1	0.57
17.08	5.2	0.47
17.01	6.2	0.40
16.97	7	0.36
16.90	8.3	0.29
16.83	10.5	0.22
16.73	14.8	0.12
16.66	21	0.05

NOTES
1. C=-2.343E-05(L/rw)^2 + .033(L/rw) + 1.103
2. ln(Re/rw) calculated from 1/[{1.1/ln(H/rw)}+{C/(L/rw)}].
3. Test Section radius (rw) is equal to the borehole radius.
4. Method taken from Bouwer and Rice, 1976.
5. Best fit line defined by shaded time values and corresponding residual heads.



ENTERED BY MGB ON 07/13/08

RISING HEAD TEST SUMMARY

WELL NAME: MW-08-03 - TEST 2
DATE OF TEST: 01-JUL-08

Rising Head Permeability Calculation
Bouwer-Rice Method
Kh=[(rc*rc*ln(Re/rw))(ln(Yo/Yt)]/2Lt

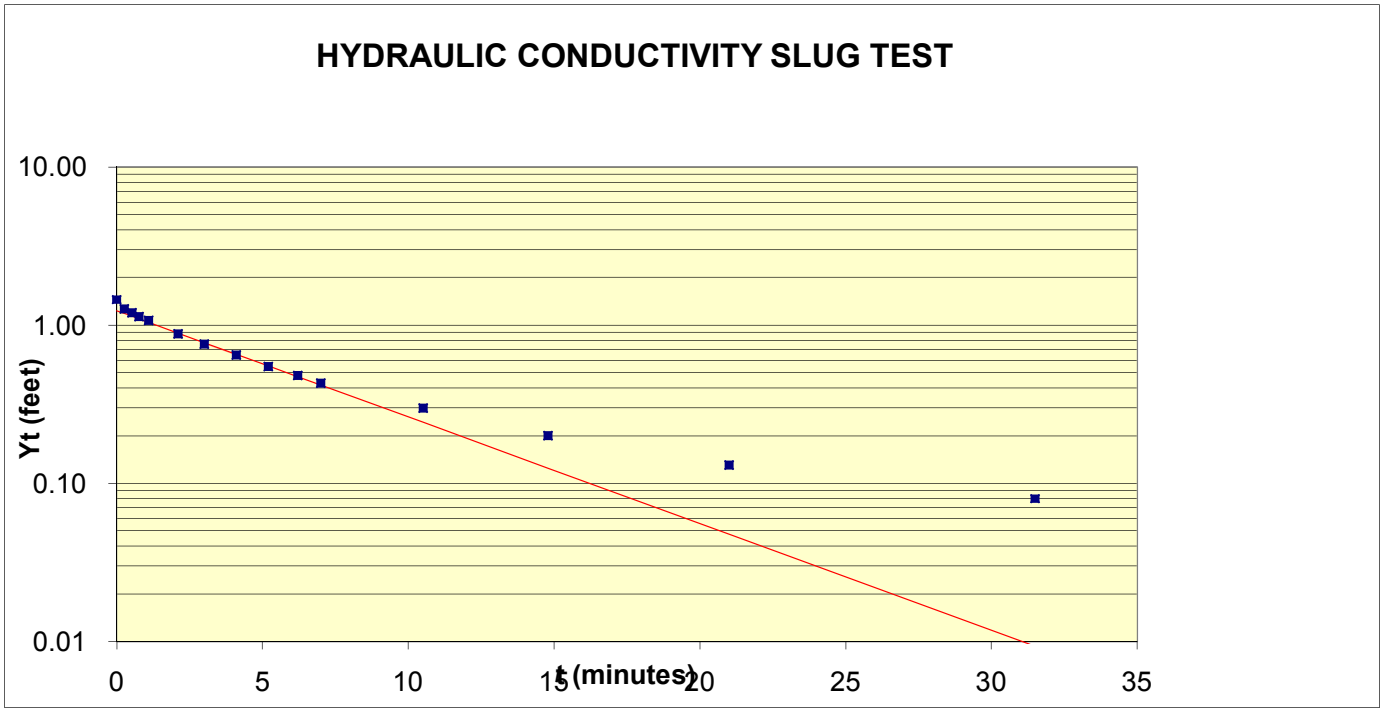
Test Sectn. Radius (rw), in ft.:	0.33
Casing Radius (rc), in ft.:	0.19
Test Section length (L),in ft.:	11.4
C:	2.20
L/rw:	34.17
Saturated Thickness(H),in ft.:	11.4
ln (Re/rw):	2.66
Yo, in ft.:	1.24
Yt, in ft.:	1.188
t, in min.:	0.25
Kh (cm/sec) =	3.4E-04
Kh (ft/min) =	6.8E-04
Kh (ft/day) =	9.8E-01

NOTES
1. C=-2.343E-05(L/rw)^2 + .033(L/rw) + 1.103
2. ln(Re/rw) calculated from 1/[{1.1/ln(H/rw)}+{C/(L/rw)}].
3. Test Section radius (rw) is equal to the borehole radius.
4. Method taken from Bouwer and Rice, 1976.
5. Best fit line defined by shaded time values and corresponding residual heads.

Static Water
16.61

Rising Head Test Field Data

Depth Water (ft)	Elapsed Time (min)	Residual Head Y (ft)
18.06	0	1.45
17.88	0.25	1.27
17.81	0.52	1.20
17.74	0.77	1.13
17.68	1.1	1.07
17.49	2.1	0.88
17.37	3	0.76
17.26	4.1	0.65
17.16	5.2	0.55
17.09	6.2	0.48
17.04	7	0.43
16.91	10.5	0.30
16.81	14.8	0.20
16.74	21	0.13
16.69	31.5	0.08



ENTERED BY MGB ON 07/13/08

RISING HEAD TEST SUMMARY

WELL NAME: MW-08-03 - TEST 1 - MANUAL
DATE OF TEST: 01-JUL-08

Rising Head Permeability Calculation
Bouwer-Rice Method
Kh=[(rc*rc*ln(Re/rw))(ln(Yo/Yt)]/2Lt

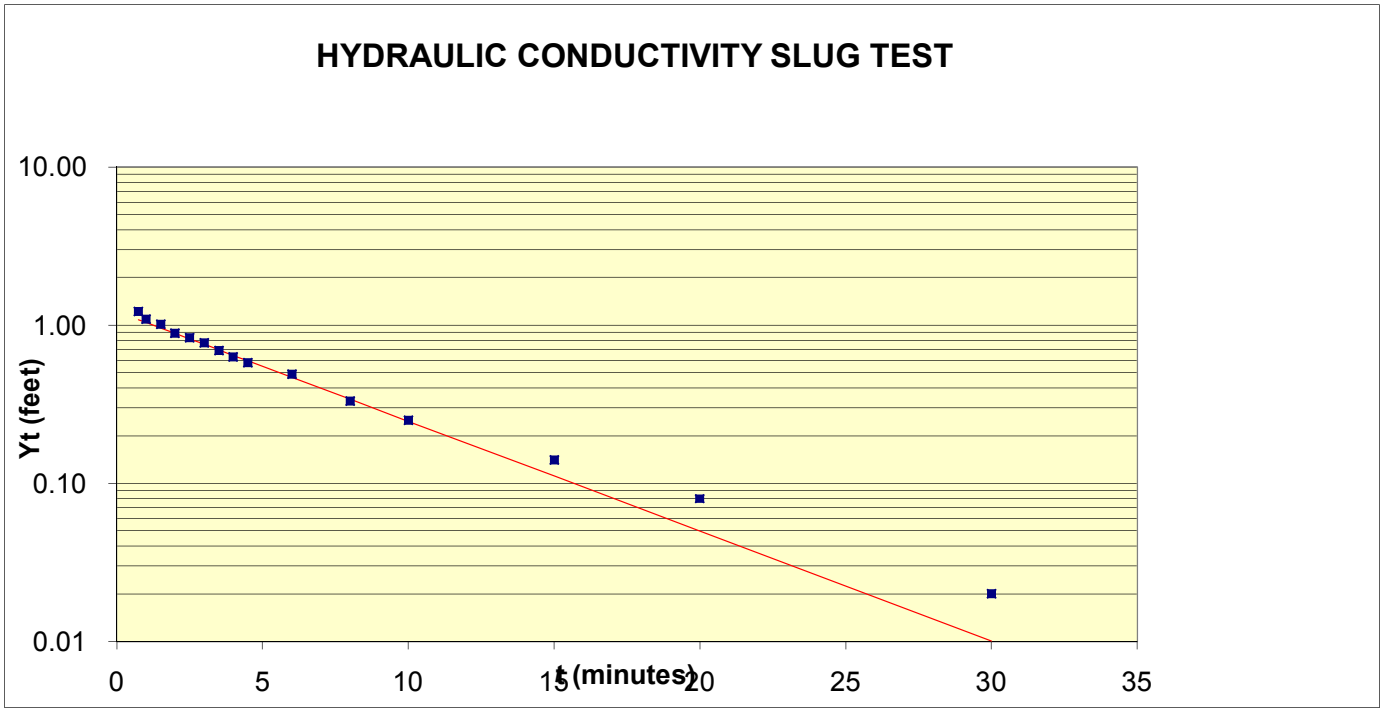
Test Sectn. Radius (rw), in ft.:	0.33
Casing Radius (rc), in ft.:	0.19
Test Section length (L),in ft.:	11.4
C:	2.20
L/rw:	34.17
Saturated Thickness(H),in ft.:	11.4
ln (Re/rw):	2.66
Yo, in ft.:	1.22
Yt, in ft.:	1.042
t, in min.:	1.00
Kh (cm/sec) =	3.6E-04
Kh (ft/min) =	7.0E-04
Kh (ft/day) =	1.0E+00

NOTES
1. C=-2.343E-05(L/rw)^2 + .033(L/rw) + 1.103
2. ln(Re/rw) calculated from 1/[{1.1/ln(H/rw)}+{C/(L/rw)}].
3. Test Section radius (rw) is equal to the borehole radius.
4. Method taken from Bouwer and Rice, 1976.
5. Best fit line defined by shaded time values and corresponding residual heads.

Static Water
16.61

Rising Head Test Field Data

Depth Water (ft)	Elapsed Time (min)	Residual Head Y (ft)
17.8	0.75	1.22
17.70	1	1.09
17.62	1.5	1.01
17.50	2	0.89
17.44	2.5	0.83
17.38	3	0.77
17.30	3.5	0.69
17.24	4	0.63
17.19	4.5	0.58
17.10	6	0.49
16.94	8	0.33
16.86	10	0.25
16.75	15	0.14
16.69	20	0.08
16.63	30	0.02



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APPENDIX F

Laboratory Analytical Reports and DUSRs

(See Additional PDF File)

REMEDIAL INVESTIGATION REPORT
SENECA FALLS FORMER MGP SITE, SITE NO. 8-50-010
SENECA FALLS, NEW YORK

by

Haley & Aldrich of New York
Rochester, New York

for

New York State Electric and Gas
Binghamton, New York

File No. 34507-019
9 April 2013

HALEY & ALDRICH