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6 April 2012

Mrs. Jamie Verrigni  
Project Manager  
Remedial Bureau C  
Division of Environmental Remediation  
625 Broadway  
Albany, New York 12233-7014

RE: Response to Comments on Revised Remedial Investigation Report, Cornerstone Enterprises, Inc., Village of Pawling, Dutchess County, New York, BCP No. C314116

Dear Mrs. Verrigni:

Attached is the Remedial Investigation Report, Revision 2 for the Cornerstone Enterprises, Inc. site (BCP No. C314116). Attached to this letter are response to comments for the letter dated 23 March 2012 from the New York State Department of Environmental Conservation, Division of Environmental Remediation for the Draft Remedial Investigation Report (RI Report), Cornerstone Enterprises, Village of Pawling, Dutchess County, New York.

If you have any questions, please do not hesitate to contact me at (917) 655-5123.

Sincerely,

Greenstar Environmental Solutions, LLC

A handwritten signature in black ink that reads "Peter Nimmer".

Peter L. Nimmer, P.G.  
Senior Geologist

Attachment

Cc: Kelly Liffland (Cornerstone)  
N. Walz (NYS DOH)

**RESPONSE TO COMMENTS ON REVISED DRAFT  
REMEDIAL INVESTIGATION REPORT, CORNERSTONE ENTERPRISES,  
VILLAGE OF PAWLING, DUTCHESS COUNTY, NEW YORK  
COMMENTS DATED 23 MARCH 2012**

**NYS DEC COMMENTS**

**Comment 1:** The concentrations of VOCs and SVOCs remaining in the soil at the site for the results of the work completed in 2007 and 2008 are given as mg/kg in this report, however, these same results were given as ug/kg in the June 2008 Interim Remedial Measure (IRM) Report, prepared by Conrad Geoscience. For example, the concentration of ethylbenzene in sample PE-10 was stated to be 34,100 ug/kg in the June 2008 IRM Report not 34,100 mg/kg as indicated in this report. Please fix this discrepancy and ensure that all figures and tables are updated appropriately.

**Response:** The units have been corrected for the 2007 and 2008 sample results. Table 3 and Figures 4, 5 and 6 have been updated accordingly.

**Comment 2:** Monitoring well GW-10 is not located upgradient of the UST excavation area; please revise these and any other instances to state side gradient of the UST excavation area. Section 4.2.2 Monitoring Well Installation, Sampling and Gauging: Page 10. Section 8.0 Conclusions and Recommendations - Groundwater: Third Bullet.

**Response:** Section 4.2.2 and the third bullet of Section 8.0 Conclusions, have been changed to note GW-10 is located side gradient of the UST excavation.

**Comment 3:** Section 4.2.3 Sediment Sampling: In the second sentence of the last bullet please delete "is" between "and" and "may".

**Response:** The text has been changed as requested.

**Comment 4:** Section 8.0 Conclusions and Recommendations - Soil and Fill: The conclusions regarding soil should not just be based on the results of the 2011 RI but also on the results of the work completed in 2007 and 2008. It should be included in this section that concentrations of VOCs, SVOCs and metals in soil samples above restricted residential SCOs remain in select locations as indicated by the post excavation soil sample results.

**Response:** The following bullet has been added to Section 8.0 Conclusions and Recommendations under the Soil and Fill section.

- Based on post-excavation samples collected in 2007 and 2008 concentrations of VOC, SVOC and metals in soil samples above restricted residential SCOs remain in select locations. The highest concentrations of VOC and SVOC were noted in samples PE-6 and PE-10 located along the building foundation, and at PE-21 located at the property line in the southwest corner of the site. Concentrations of lead and mercury above restricted residential SCOs were noted at post-excavation samples PE-5D and SS-2D located at the ramp excavation.

**Comment 5:** Section 8.0 Conclusions and Recommendations - Groundwater: The third bullet should be revised to reflect that monitoring wells GW-9 and MW-6 are located on the southwest and southern property boundary, respectively not on the western edge of the site as indicated.

**Response:** The text has been changed as requested.

**Comment 6:** Section 8.0 Conclusions and Recommendations - Indoor Air: If a sub-slab depressurization system (SSDS) is installed in the building, collection of a sub-slab vapor sample is not needed. Furthermore, if a sub-slab vapor is collected to determine current conditions under the building, it should be collected when the SSDS is NOT running. In addition to indoor air samples being collected to determine whether the system is operating effectively, post mitigation pressure field extension testing needs to be completed which is compliant with the current ASTM (e2121-09) protocols are followed.

**Response:** The recommendations for indoor air have been changed as noted below:

- ~~The Indoor air vapor samples specified in the RI Work Plan~~ are recommended to be collected after the building renovation is completed and the sub-slab depressurization system has been operating for at least 1 week. These samples include three indoor air and one sub-slab vapor samples and post mitigation pressure field testing compliant with ASTM (e2121-09 or most recent version). (Zarecki and Associates, 2010). Results will be reported to NYS DEC in a separate letter report to document the sub-slab depressurization system is working as intended, and no indoor air impacts related to VOC impacted groundwater are present within the building.

**Comment 7:** Section 8.0 Conclusions and Recommendations: It should be stated in this section that based on the findings of the RI an Alternative Analysis/Remedial Work Plan will be prepared to determine appropriate remedial actions for the site. The Department is available for a conference call to further discuss the Alternative Analysis/Remedial Work Plan if desired.

**Response:** The requested recommendation has been added at the end of Section 8.0 Conclusions and Recommendations.

# **Remedial Investigation Report Cornerstone Enterprises Pawling, New York**

BCP Site No. C314116

*Prepared for*

Cornerstone Enterprises, Inc.  
21 West Main Street  
Pawling, NY

*Prepared by*

Greenstar Environmental Solutions, LLC  
6 Gellatly Drive  
Wappingers Falls, New York 12590  
(845) 223-9944

April 2012  
Revision: Draft Revision 2

**Remedial Investigation Report  
Cornerstone Enterprises  
Pawling, New York**

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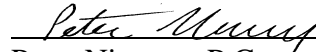
April 2012  
Revision: Draft Revision 2

## CERTIFICATION STATEMENT

This Certification Statement applies to the following document:

- Draft Remedial Investigation Report, Cornerstone Enterprises, Pawling, New York dated April 2012

"I Peter Nimmer certify that I am currently a Qualified Environmental Professional (QEP) as defined in 6 NYCRR Part 375 and that this Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modification."

  
Peter Nimmer, P.G.

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## 1.0 INTRODUCTION

This Remedial Investigation (RI) Report has been prepared by Greenstar Environmental Solutions LLC (Greenstar) on behalf of Cornerstone Enterprises, Incorporated to summarize the findings of an investigation which has been completed at the Cornerstone Enterprises site in Pawling, New York (BCP No. C314116). The field activities summarized in this RI Report were conducted in 2007, 2008 and 2011.

### 1.1 Remedial Investigation Report Organization

The Remedial Investigation (RI) Report is organized as follows. Section 1 presents an introduction and overview of the Site. Section 2 provides the Site history and summary of previous Site investigations. Section 3 summarizes the objectives of the RI. Section 4 summarizes the activities and findings of the 2007 and 2008 RI/Interim Remedial Measure (IRM) and 2011 RI. Section 5 summarizes the field methodology used during the RI. Section 6 provides a human health exposure assessment for environmental media at the Site. Section 7 provides a summary of the Fish and Wildlife Impact Analysis. Section 8 provides conclusions and recommendations for the Site.

The appendixes are organized as follows:

- **Appendix A**—Boring Logs and Well Construction Forms.
- **Appendix B**— Well Sampling Forms.
- **Appendix C**— Survey Data.
- **Appendix D**— Laboratory data packages (provided on attached CD).

### 1.2 Site Location

The Cornerstone Enterprises property (Site) is located at 33 East Main Street in the Village of Pawling, Dutchess County, New York. The area around the Site is a mixed use of residential, commercial and light industrial buildings. Figure 1 shows the location of the Site. Figure 2 shows the Site layout.

The Site, a 0.19-acre parcel of land, is situated on the south side of East Main Street. The property includes an unoccupied two-story building with an approximate size of 10,000 square feet. The parcel also includes parking areas in the northern and eastern part of the property. A tributary to the East Branch Croton River borders the eastern property boundary and flows to the south (Figure 2). The Site is bordered to the west by a former gas filling station (now St. Johns Church Rectory), and an active gas station and car repair facility is operating across Main Street northeast of the Site (Citgo and Dutchess Auto Body and Service Center). Mixed use commercial buildings are located north of the site across Main Street, along the west side of Coulter Avenue where a former gas station was present.

## 2.0 SITE HISTORY

The Site is a former gas filling station that operated as an automotive maintenance facility and retail gasoline station until 1985. An auto ramp had at one time existed along the east side of the building to move cars onto the second floor of the building. A stone retaining wall is present along the stream (a tributary to the East Branch of the Croton River). Two clay terracotta pipes were observed on the Site immediately adjacent to the stream. One discharge pipe runs through the stone retaining wall and the second is located in the stream bank adjacent to the southernmost end of the retaining wall. The origin of the drainpipes have not been confirmed but are assumed to be from the Site building. A third discharge pipe has been identified adjacent to the building's foundation at the southern end of the building that originates from a floor drain within the building. Four underground storage tanks (USTs) were previously in place at the Site including three 1,000 gallon gasoline and one 550-gallon waste oil UST. The USTs were removed as part of an IRM completed in 2008.

The stream along the eastern side of the Site emerges from a culvert that crosses underneath East Main Street. The stream has a surface water classification and use designation of Class C. The stream flows within the continuation of this culvert which runs underneath the active gas station on the northeast side of East Main Street. Street drains from East Main Street and Coulter Avenue flow directly into the culvert (and stream) and the stream also receives direct drainage from several other roads and industrial and commercial properties upgradient of the Site. The stream flows in a southerly direction along the Site for approximately 80 ft. Site features are shown on Figure 2.

The current property owner, Cornerstone Enterprises, Incorporated (Cornerstone) purchased the property and entered into a Brownfield Cleanup Program with the New York State Department of Environmental Conservation (NYS DEC) in January 2007 to investigate and remediate the property (BCP # C314116, NYS DEC Spill Number 90-12530). The Site is planned for redevelopment for use as commercial/retail space (first floor) and residential apartments (second floor). This redevelopment will be performed to comply with requirements for Restricted Residential Use.

The following investigation and remedial activities have been completed at the Site:

- In July 2007 a Remedial Investigation Work Plan was approved by NYS DEC (Conrad Geoscience, 2007). The RI work included soil and groundwater sampling, floor drain tracing and sampling, as summarized on Table 1.
- In August 2007 RI field work was completed which included collecting 24 subsurface soil samples from soil borings (GB-1 through GB-24) located throughout the Site in areas of potential petroleum discharge or spillage. Ten temporary monitoring wells were installed (GW-1 through GW-10). A floor drain on the first floor of the building was traced and its discharge point was found adjacent to the south side of the building. One soil sample was collected in the vicinity of the floor drain inside the building (GBSH-1)

- In January 2008 six surface soil samples were collected from a depth of 0 to 2 inches below ground surface at locations underneath and adjacent to the former auto ramp depicted in historical Sanborn Fire Insurance Maps.
- In April and May 2008 Interim Remedial Measures were implemented to remove 4 USTs at the Site. Petroleum impacted soil from the UST excavation was removed to a depth of approximately 10 to 13 ft below ground surface (ft bgs) and disposed of off-site. Post excavation samples were collected and the excavation was backfilled with fill material although no analytical samples of the fill were collected prior to placement. Impacted soil at the floor drain discharge at the rear of the building was removed to a depth of approximately three ft bgs. On the southeast side of the Site, in the area of the former auto ramp, approximately 1 foot of soil was removed and confirmatory samples were collected. Ten groundwater samples were collected from the temporary wells that were installed in August 2007 (GW-1 through GW-10) as summarized on Table 1.
- In June 2008, a survey of private wells servicing homes and businesses within a 0.5-mile radius of the subject property was performed (Conrad Geoscience, 2008). Businesses and homes in the Village receive potable water from a public water supply. The survey found that the private well nearest to the Site is approximately 1,450 feet to the east. This well is not downgradient of the site and is not expected to be impacted by the site.
- The NYS DEC requested that additional investigation be performed to successfully complete the RI and fully delineate the nature and extent of contamination on-site..
- In October 2010 a second Remedial Investigation Work Plan was approved by NYS DEC to perform soil, fill, groundwater and stream sediment testing (Zarecki and Associates, 2010).
- In April 2011 a meeting was held with NYS DEC to discuss the Remedial Investigation Work Plan. The scope of the RI Work Plan was reduced to eliminate sampling for pesticide/PCB/cyanide from three soil borings (SB-2, SB- 4 and SB-5) and from two groundwater samples (MW-2 and MW-4). Vapor samples specified in the RI Work Plan were postponed until building renovations were complete and a sub-slab depressurization system has been installed.
- In May 2011 the RI sampling was completed by Greenstar as per the 2010 RI Work Plan and April 2011 meeting with NYS DEC. A summary of sampling completed during 2011 is provided on Table 2. This RI Report summarizes, in a single comprehensive document, the results of the above investigation activities.

### 3.0 REMEDIAL INVESTIGATION OBJECTIVES

#### 3.1 Objectives

The objectives of the 2011 RI, as noted in the RI Work Plan (Zarecki, 2010), include the following:

- Conduct soil sampling at specified locations on the Site to assess the overall condition of the soil and to identify areas that may require additional remediation.
- Conduct groundwater sampling at various locations on the Site to a) determine the depth to groundwater from a set benchmark, b) determine the direction of groundwater flow, c) identify and plot the contaminant plume within the groundwater, if any, and d) determine whether groundwater discharges into the stream which runs along the eastern Site boundary and, if so, assess the resulting contaminant loading to the stream, with any results to be considered when performing an assessment of impacts to offsite areas.
- Collect and test sediment samples at locations within the adjacent stream (downstream, adjacent to and upstream of the Site), to determine if stream sediment has been contaminated.
- Collect samples from the fill material that was placed in 2008 post UST removal to confirm that the material meets the Restricted Residential Soil Cleanup Objectives (SCO's).
- Review stream sediment sample results to determine whether on-site contamination has impacted the adjacent stream.
- Conduct soil vapor and air testing in several locations. Areas to be evaluated include soil vapor samples, sub-slab vapor samples; crawl space, indoor and outdoor air samples.

#### 3.2 NYS DEC Standards Used for Comparison

The RI work was completed in accordance with New York State Department of Environmental Conservation (NYS DEC) DER Technical Guidance for Site Investigation and Remediation (NYS DEC 2010a) and the Remedial Investigation Work Plan (Zarecki 2010).

The analytical data collected during the RI was screened against NYS Standards, Criteria, and Guidelines (SCGs) or other guidance required by NYS DEC as noted below:

- **Soil** - Restricted Residential Soil Cleanup Objectives (SCOs) Table 375-6.8(b) and CP-51 Table 1. NYSDEC Remedial Program Soil Cleanup Objectives (6 New York Codes, Rules and Regulations [NYCRR] 375-6).
- **Fill** - Restricted Residential SCOs and Groundwater Protection SCOs according to 375-

6.7(d).

- **Groundwater** - Technical and Operational Guidance Series (TOGS) Ambient Water Quality Standards (AWQS).
- **Sediment** - Benthic Aquatic Life Chronic Toxicity values in NYS DEC Technical Guidance for Screening Contaminated Sediments dated January 1999.

## 4.0 REMEDIAL INVESTIGATION ACTIVITIES

### 4.1 2007 and 2008 Remedial Investigation and Interim Remedial Measures

In July 2007 a Remedial Investigation Work Plan was approved by NYS DEC (Conrad Geoscience 2007). In August 2007 RI field work was completed which included collecting 24 subsurface soil samples from soil borings (GB-1 through GB-24) located throughout the Site in areas of potential petroleum discharge or spillage. Sample depths ranged between 6 and 9 ft bgs and were collected where the highest PID readings were observed. Ten temporary monitoring wells were installed (GW-1 through GW-10) with a total depth of approximately 15 ft bgs and groundwater samples were collected. A floor drain on the first floor of the building was traced and its discharge point was found adjacent to the south side of the building.

Three soil borings beneath the basement floor in the vicinity of a floor drain (GBSH-1) and at two other locations (GBSH-2 and GBSH-3) were completed using a slide hammer with a maximum depth of 9 ft bgs. One sample was collected for analysis from each boring where the highest PID readings were observed.

In April and May 2008 Interim Remedial Measures were implemented to remove 4 USTs at the Site and soil below the former auto ramp on the east side of the building (Conrad Geoscience, 2008). Petroleum impacted soil from the UST excavation was removed to a depth of approximately 10 to 13 ft below ground surface (ft bgs) and disposed of off-site. Excavation was continued to the fullest practical extent without undermining the building foundation, sidewalk, or road grade. The UST excavation was then filled. Soil from below the auto ramp was removed to a depth of approximately 1 ft bgs. This excavation was not filled. Impacted soil at the floor drain discharge at the rear of the building was removed to a depth of approximately three ft bgs. This excavation was not filled.

Post-excavation samples PE-1 through PE-5 were collected from the sidewalls and floor of the waste oil UST excavation. Post-excavation samples PE-6 through PE-8, PE-10 and PE-17 were collected from the side wall and bottom of the combined gasoline UST and pump island excavation. Post-excavation samples PE-18 through PE-22 were collected from the floor drain outfall excavation. Post-excavation samples SS-1D through SS-5D were collected from the side walls and bottom of the ramp excavation on the east side of the building.

Table 1 provides a summary of 2007/2008 sample analysis and sample intervals. A summary of analytical results for soil samples collected in 2007/2008 that remain on site after the IRM are provided on Table 3. Note that borings several boring locations were removed during the IRM and therefore results are not provided in this report (i.e., soil borings GB-7, GB-8, B-9, GB-10, GB-12, GB-13, GB-14, GB-19 and GB-21). A summary of 2007/2008 groundwater analytical results are provided on Table 4. Figure 3 shows the locations of samples collected during 2007 and 2008. Figure 4 summarizes results for 2007/2008 pre-excavation soil sample results as compared to restricted residential criteria (i.e. those samples that remained on-site after the IRM). Figure 5 summarizes results for 2008 post-excavation soil from the UST and floor drain excavations as compared to restricted residential criteria. Figure 6 summarizes results for the

2008 post-excavation soil samples collected from the ramp excavation as compared to restricted residential criteria. Figure 7 summarizes 2007 groundwater results compared to NYS DEC Ambient Water Quality Standards (AWQS). Appendix A provides boring logs and well construction details for wells sampled in 2007.

The following is a summary of findings from the 2007/2008 RI and IRM sampling activities:

- Concentrations of VOC, SVOC, and metals in soil samples above Restricted Residential and/or CP-51 SCO criteria remain in some locations.
- Groundwater results show limited concentrations of VOC and SVOC above groundwater AWQS criteria. The majority of detections were noted at GW-9 and GW-10 sample locations, located on the western property boundary. These results are likely to be related to petroleum impacts originating from the property immediately west of the Cornerstone site.

## **4.2 2011 Remedial Investigation**

The sections below detail the activities completed during the 2011 Remedial Investigation.

### **4.2.1 Soil and Fill Samples**

A total of 11 soil borings (SB-1 through SB-9, SFSS-1 and SFSS-2) were completed in May 2011 to assess whether impacted soil is present. Soil borings were installed throughout the Site area including areas where the USTs were removed. One soil sample was collected from borings SB-1 through SB-9 from above the water table. Table 2 provides a summary of 2011 RI samples, sample depths, and the analytical testing methods. The locations of soil borings completed during the 2011 RI are shown on Figure 8.

A total of 6 soil borings (RPF-1 through RPF-6) were completed in the area where the UST's were removed and fill material was placed to a depth of approximately 10 ft. One sample from each soil boring was collected to assess the quality of the fill material. In addition, two composite samples of the fill (RPF-COMP-1 and RPF-COMP-2) were collected. Sample RPF-COMP-1 is a composite of soil taken from borings in the northern half of the fill material (RPF-1, RPF-5 and RPF-6). Sample RPF-COMP-2 is a composite of soil taken from borings in the southern half of the fill material (RPF-2, RPF-3 and RPF-4). Sample depth and analyses are listed in Table 2.

Two soil samples (SFSS-1 and SFSS-2) were collected from native soil six inches below the fill material to confirm the depth of the excavation was sufficient to remove impacted soil. Soil sample depths are summarized on Table 2.

Soil borings were completed on 2 and 3 May 2011 using a direct push drilling rig to a maximum depth of 20 ft bgs. The direct push rig drove a 2 inch diameter casing in 5 ft long increments. Soil samples were collected from disposable acetate liners contained within the 5 ft long casings.

Drilling was completed by ADT Drilling, Inc. of Albany, New York.

The fill material placed within the limits of the UST excavation was classified as a brown/grey mixture of clayey silt, sand and gravel, or brown gravel. Native soil outside or below the UST excavation consisted of brown coarse to fine sand. Results from the borings completed within the UST excavation (RPF-1 through RPF-6 and SB-3) indicated that the depth of the excavation ranged between 8 and 12 ft bgs.

Occasional petroleum odors were noted in some borings between 5 and 10 ft bgs, although no free product or petroleum sheens were observed in any of the soil borings. Refusal was encountered in some locations, attributed to the compacted sand material found at 15 to 20 ft bgs. The presence of bedrock was not confirmed by soil borings. Headspace vapor monitoring was completed using a calibrated PID as a screening tool to assess the relative concentrations of VOC in soils. PID readings were generally less than 5 parts per million (PPM), with a maximum recorded value of 20 PPM at soil boring RPF-5 from 5 to 10 ft bgs. Soil descriptions and PID readings are provided on boring logs included in Appendix A.

Tables 5 and 6 provide a summary of the analytical results for soil and fill samples, respectively. The 2011 RI soil sample results compared to restricted residential criteria are summarized on Figure 9. The 2011 fill sample results compared to restricted residential criteria and groundwater protection criteria are summarized on Figure 10. The laboratory data packages for soil and fill samples are provided in Appendix D. A cross section showing site geology is shown on Figure 11.

The following is a summary of findings:

- Concentrations of VOC, SVOC, pesticides, PCBs, cyanide and hexavalent chromium in soil samples were below Restricted Residential and CP-51 SCO criteria.
- Concentrations of VOC, SVOC, pesticides, PCBs, cyanide and hexavalent chromium in fill samples were below Restricted Residential and Groundwater Protection SCO criteria.
- No free product or petroleum sheens were observed in any of the soil borings.

Based on these results Site soil and fill is not impacted by VOC, SVOC, pesticides, PCB, cyanide or hexavalent chromium.

#### **4.2.2 Monitoring Well Installation, Sampling and Gauging**

Six groundwater monitoring wells (MW-1 through MW-6) were installed to a total depth of 13 to 15 feet bgs. Monitoring wells were located where UST excavations have been completed and along the perimeter of the property to assess whether contamination in groundwater is present and determine groundwater flow directions. The 2011 RI monitoring well locations are shown on Figure 8. Well construction details and boring logs are provided in Appendix A.

Monitoring wells were installed using a direct push drilling rig. Wells were constructed of 2 in diameter PVC schedule 40 PVC with 10 ft length of 0.020-inch slot well screens. Monitoring wells were screened across the water table, found to be (in general) at a depth of approximately 8 ft bgs. At each well location, No. 1 sand was placed to at least 2 ft above the top of the screen. The remaining annular space above the sand to ground surface was filled with bentonite grout. Steel protective casings were installed to finish each well. Wells were developed to remove fine materials from within the well sand pack by surging and pumping. Wells were installed on 2 and 3 May 2011.

Three one inch diameter PVC monitoring wells that were installed in August 2007 are present at the Site (GW-1, GW-9, GW-10).

Groundwater samples from the six new wells (MW-1 through MW-6) and two of the existing monitoring wells (GW-9 and GW-10) were collected on 17 and 18 May 2011 using the low-flow groundwater sampling method and dedicated sampling tubing. GW-1 was not sampled due to its close proximity to MW-1. Sampling analyses that were performed in 2011 are listed on Table 2. Figure 12 shows 2011 groundwater results compared to AWQS. Alpha Analytic Laboratories of Westborough Massachusetts (a NYSDOH ELAP approved laboratory) performed the analyses. Table 7 provides a summary of 2011 groundwater sampling results. Groundwater sampling records are provided in Appendix B. The laboratory data packages are provided in Appendix D.

Well gauging was completed following well installation. Monitoring wells were surveyed by TEC Land Surveying of Beacon, New York a New York State licensed surveyor. A summary of well gauging data is shown on Table 8. Figure 13 shows the interpreted groundwater flow direction at the Site. Survey data are provided in Appendix C.

The following is a summary of results:

- Concentrations of some VOC were above AWQS in samples collected from three monitoring wells (MW-6, GW-9, GW-10).
  - Concentrations of VOC above AWQS include ethylbenzene (GW-9, GW-10), xylene (GW-9, GW-10), isopropylbenzene (GW-9, GW-10, MW-6), naphthalene (GW-9, GW-10, MW-6), n-propylbenzene (GW-9, GW-10, MW-6), 1,3,5-trimethylbenzene (GW-9, GW-10) and 1,2,4-trimethylbenzene (GW-9, GW-10).
  - These compounds are likely components of weathered gasoline or fuel oil release.
- The highest concentrations of VOC were noted at well GW-10 located on the western property boundary of the Site which is cross gradient of the Site and UST excavation. Similarly, the two other wells which contained elevated concentrations of VOC (GW-9 and MW-6) are located near the southwest and southern property boundaries. Data from monitoring wells located within the UST excavation and in other Site areas do not show impacts by VOC. Based on the interpreted groundwater flow patterns (see Figure 13) and the spatial distribution of VOC concentrations, the groundwater collected from wells

GW-9, GW-10 and MW-6 receive flow from off-site areas from the west where gasoline station once stood, now occupied by St. Johns Church rectory.

- Concentrations of five metals were noted above AWQS in samples collected from the eight wells that were sampled (MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, GW-9, GW-10).
  - Metals that exceeded AWQS include iron, sodium, magnesium, manganese and lead.
  - Four of these metals are commonly found in groundwater due to naturally occurring conditions and are not indicative of a petroleum release (iron, sodium, magnesium, and manganese).
  - Lead concentrations exceeded AWQS at one well (GW-10), and is likely the result of a petroleum release or past industrial activities. As noted previously, GW-10 is located along the western property boundary, side-gradient of the UST excavation. Based on recorded groundwater flow patterns, lead is most likely coming onto the Site from areas to the west where a gasoline station was present.
- Concentrations of pesticides, PCBs, or cyanide were below AWQS.
- No free product or petroleum sheens were observed in Site monitoring wells.
- Based on the groundwater sample results and flow patterns, groundwater that exceeded VOC and lead AWQS is coming onto the Site from properties to the North and to the west. Elevated levels of iron, sodium, manganese and magnesium are most likely due to naturally occurring conditions. Sample results indicate groundwater in other areas of the Site is not impacted by VOC, SVOC, pesticides, PCBs or cyanide.

#### 4.2.3 Sediment Sampling

Four sediment samples were collected from the stream that runs in a southerly direction along the Site's eastern boundary line. Samples were collected to assess what, if any, impacts the Site has had on sediment quality. One sample was collected downstream of the Site (STS-1). Two samples were collected immediately adjacent to outfall pipes within retaining wall that runs along the Site's eastern property boundary (STS-2 and STS-3). A fourth sample was collected at the stream's origin, the outfall of the culvert that crosses underneath East Main Street (STS-4). Sediment samples were collected from the top 6 inches of stream sediment material and directly placed into sample containers.

Sediment sample results are shown on Figure 14. Sediment sample results were compared to sample specific Benthic Aquatic Life Chronic Toxicity (ALCT) values calculated based on the total organic carbon concentration in each sample (as per methodology specified in NYS DEC,

1999). The 2011 sediment sample analyses are listed on Table 2. Table 9 provides a summary of sediment sample results. The laboratory data packages are provided in Appendix D.

The following is a summary of results:

- No concentrations of VOC, PCB or cyanide were detected above ALCT values.
- Concentrations of one SVOC (benzo(a)anthracene) exceeded ALCT values in the four sediment samples (STS-1 through STS-4). This compound is commonly found in materials used to construct paved surfaces such as roads and parking lots. Therefore this compound is considered to be unrelated to the Site.
- Concentrations of two pesticides (chlordane and heptachlor) were detected above ALCT values in two locations (chlordane and heptachlor at upgradient sample STS-4 and chlordane at STS-3). The presence of these compounds in the upgradient sample indicates they are unrelated to the Site.
- Concentrations of two metals (iron and nickel) were detected between low effect and severe effect ALCT values (iron in upgradient sample STS-4 and nickel at STS-3).
  - The presence of iron in the upgradient sample STS-4 (culvert outfall) indicates this metal is unrelated to the Site.
  - Nickel concentrations at STS-3 may be Site related (as the site did auto repair in the past) or could be originating from industrial areas upgradient of the Site. Nickel is not commonly found from a petroleum release and may originate from auto body/auto repair work occurring immediately upgradient of the Site (at the Citgo / Dutchess Auto body and Service Center). Nickel was not found in upgradient sample STS-4. The concentration of nickel is at the lower end of the range between the low effect and severe effect ALCT values and the sediment is not considered as significantly impacted at STS-3. Nickel concentrations were below low effect ALCT values in the two samples collected further downstream (STS-1 and STS-2).

#### **4.2.4 Vapor Intrusion Assessment**

Vapor samples including three indoor air, one sub-slab and one outdoor sample specified in the RI Work Plan (Zarecki, 2010) were not collected as part of the RI field work. The building is in poor condition and is not habitable. At this time, collecting vapor samples would not provide a representative evaluation of indoor air conditions for building occupation. Building renovations will include the installation of a sub-slab depressurization system to collect any vapors which might accumulate under the building. Vapor sampling will be performed after the building has been renovated and the sub-slab depressurization system is activated. This change was discussed with and approved by NYS DEC during a meeting held on 5 April 2011.

---

## **5.0 FIELD METHODOLOGY**

### **5.1 Quality Assurance/Quality Control Samples**

QA/QC samples included duplicate samples of soil, groundwater and sediment and trip blank samples. Duplicate samples were collected at a frequency of 5% (i.e., one duplicate per 20 samples) per analysis. Duplicates were submitted to the lab as blind samples. Trip blanks were shipped with soil or groundwater samples to be analyzed for VOC.

### **5.2 Equipment Calibration**

The field instrument (i.e., PID) was calibrated before sampling each day and on an as-needed basis in accordance with the manufacturer's instructions. The instrument calibration was also checked if anomalous readings were noted to ensure that the readings were within an acceptable range. After each use, the instrument was checked and stored in an area shielded from weather conditions.

### **5.3 Sample Handling**

After collection, samples were immediately transferred to an ice filled cooler and maintained at 4 degrees C. Samples were delivered to Alpha Analytical Laboratories of Westborough, Massachusetts at the end of each day of sampling for analysis.

### **5.4 Investigation Derived Waste**

Investigation derived waste, comprised of approximately 40 gallons of well purge water generated during well purging and one drum of soil cuttings from the direct push borings, was containerized in DOT approved 55 gallon drums for off-site disposal.

## 6.0 HUMAN HEALTH EXPOSURE ASSESSMENT

A qualitative human health exposure assessment was completed for the Site as per the procedures listed in DER-10, Appendix 3B. The purpose of the qualitative human health exposure assessment is to evaluate and document how people might be exposed to Site related contaminants and to identify and characterize the potentially exposed populations now and under reasonably anticipated future use of the Site. The current and planned use of the Site was considered in this assessment, in conjunction with the analytical data collected during the RI.

Cornerstone Enterprises Incorporated is planning on renovating the existing structure to permit commercial use on the first floor, and apartments on the second floor. Initial presentations have been made to the Village of Pawling Planning Board.

The human health exposure assessment is summarized on Table 10 for direct contact with surface or subsurface soils, ingestion of groundwater, direct contact with groundwater, or inhalation of air. Based on this assessment, no exposure pathways exist for the Site. Because the Site will be redeveloped to achieve restricted residential conditions, access to Site soil, groundwater and stream sediment will be minimal. Neighboring properties are connected to public water and a well survey completed in 2008 indicates no potable water supply wells are present within 1,450 ft of the Site. A sub-slab depressurization system will be installed at the Site during renovation and confirmatory indoor air samples will be collected to ensure the system is operating properly prior to occupation. Based on these factors no human health exposure concerns are present at this Site.

## 7.0 FISH AND WILDLIFE IMPACT ANALYSIS

As per DER-10, Section 3.10.1 a Fish and Wildlife Resources Impact Analysis (FWRIA) is not required for this Site for the following reasons:

- The Site had underground storage tanks which have been removed. The Site does not have a significant impact on surrounding groundwater or surface water as demonstrated by groundwater samples collected during the RI.
- The Site was a point source of contamination that has since been remediated, per the results of the RI, and therefore does not contribute contaminants to surface water, nor is there widespread soil, groundwater or sediment contamination present.
- Contaminants identified in stream sediment above ALCT values (i.e., benzo(a)anthracene, chlordane, lindane, iron and nickel) are likely to have originated upstream from the Site and appear to be unrelated to former Site activities. No significant impacts were noted in the sediment samples collected at the Site.

## 8.0 CONCLUSIONS AND RECOMMENDATIONS

The following conclusions and recommendations are based on the data collected during the 2011 RI and previous investigations at the Site:

### Soil and Fill

- Based on post-excavation samples collected in 2007 and 2008 concentrations of VOC, SVOC and metals in soil samples above restricted residential SCOs remain in select locations. The highest concentrations of VOC and SVOC were noted in samples PE-6 and PE-10 located along the building foundation, and at PE-21 located at the property line in the southwest corner of the site. Concentrations of lead and mercury above restricted residential SCOs were noted at post-excavation samples PE-5D and SS-2D located at the ramp excavation.
- Based on the results of the 2011 RI, Site soil and fill is not impacted by VOC, SVOC, pesticides, PCBs, cyanide or hexavalent chromium. Concentrations of these contaminants in the soil and fill samples were below NYS DEC criteria (i.e., restricted residential and CP-51 SCOs for soil, restricted residential and groundwater protection SCOs for fill).
- No free product or petroleum sheens were observed in the soil borings.

### Groundwater

- No concentrations of pesticides, PCBs, or cyanide were detected in groundwater.
- No free product or petroleum sheens were observed in Site monitoring wells.
- Concentrations of VOC above AWQS criteria were noted at three wells (GW-9, GW-10, MW-6), and lead at one well (GW-10). These wells are side gradient from the UST excavation (GW-10), and located on the southwest and southern property boundary (GW-9, MW-6). Groundwater sample results from monitoring wells located within the UST excavation and in other Site areas do not show impacts by VOC or lead. Based on groundwater flow patterns and spatial distribution of VOC, the impacted groundwater in wells GW-9, GW-10 and MW-6 is moving onto the Site from the west where a gasoline station was located.

### Sediment

- No concentrations of VOC, PCBs or cyanide were detected above ALCT values.
- Concentrations of one SVOC (benzo(a)anthracene) was above ALCT values in the four sediment samples (STS-1 through STS-4). This compound is found in materials used in constructing paved surfaces such as roads and parking lots and this compound is

considered to be unrelated to the Site.

- Concentrations of two pesticides (chlordane and heptachlor) were detected above ALCT values at two sample locations, including the upgradient sample. The presence of these pesticides is considered to be unrelated to the Site.
- Concentrations of two metals (iron and nickel) were detected between low effect and severe effect ALCT values (iron in upgradient sample STS-4 and nickel at STS-3). The presence of iron in the upgradient sample indicates this metal is unrelated to the Site. Nickel concentrations at STS-3 may be Site related or could be originating from industrial areas upgradient of the Site. Nickel is not commonly found from a petroleum release and is more likely to originate from auto body/auto repair work occurring immediately upgradient of the Site (at the Citgo / Dutchess Auto Body and Service Center). The concentration of nickel is at the lower end of the range between the low effect and severe effect ALCT values and the sediment is not considered as significantly impacted at STS-3. Nickel concentrations were below low effect ALCT values in the two samples collected further downstream (STS-1 and STS-2).

### **Indoor Air**

- Indoor air vapor samples are recommended to be collected after the building renovation is completed and the sub-slab depressurization system has been operating for at least 1 week. These samples include three indoor air vapor samples and post mitigation pressure field testing compliant with ASTM (e2121-09 or most recent version). Results will be reported to NYS DEC in a separate letter report to document the sub-slab depressurization system is working as intended, and no indoor air impacts related to VOC impacted groundwater are present within the building.

### **Alternative Analysis/Remedial Work Plan**

- Based on the findings of the RI an Alternative Analysis/Remedial Work Plan will be prepared to determine appropriate remedial actions for the site.

---

## REFERENCES

Conrad Geosciences Corp., 2007. Remedial Investigation Work Plan, 33 East Main Street, Village of Pawling, New York.

Conrad Geosciences Corp., 2008. Remedial Investigation and Interim Remedial Measure Report, 33 East Main Street, Village of Pawling, New York. June.

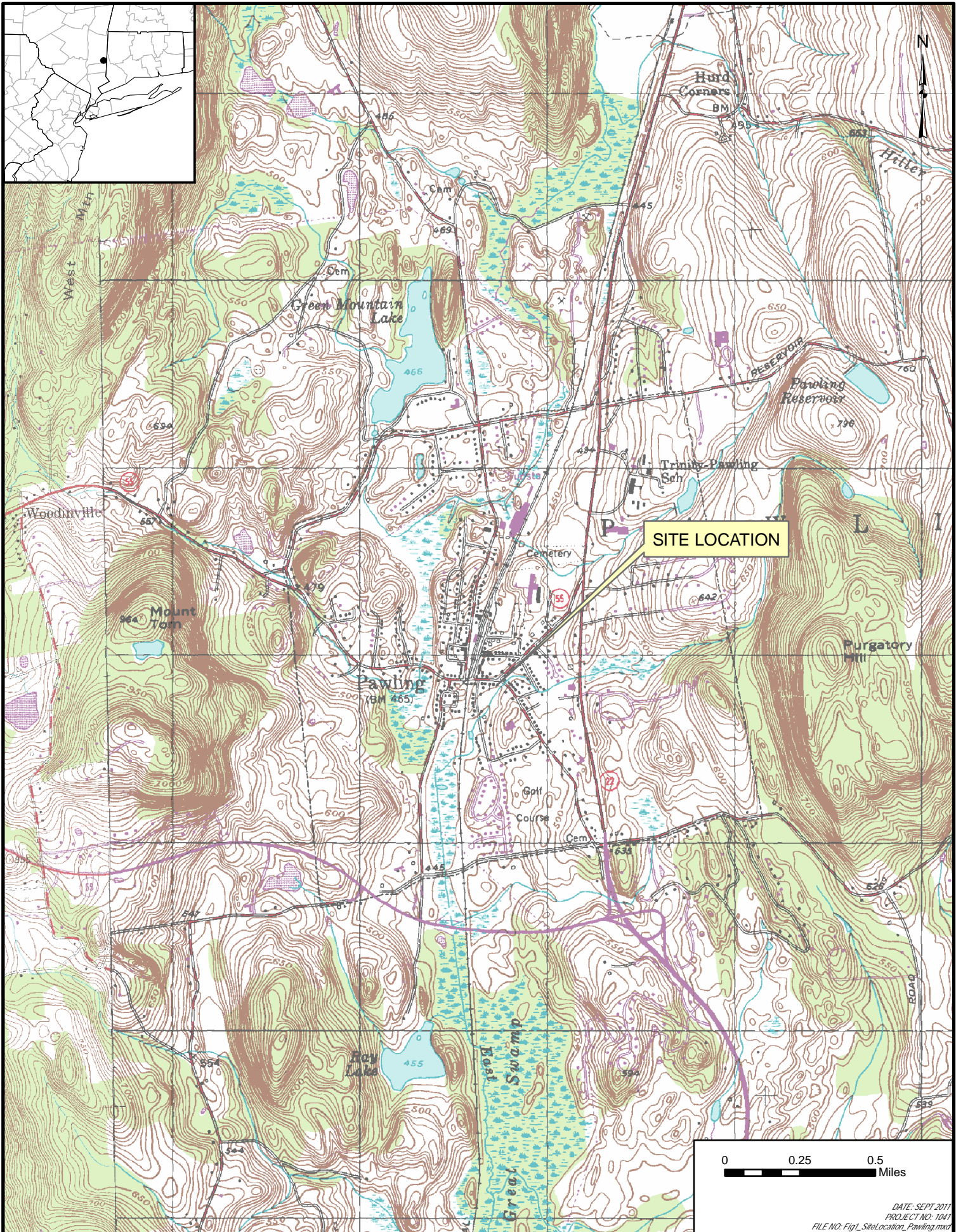
NYS DEC 1998. Division Of Water Technical And Operational Guidance Series (1.1.1), Ambient Water Quality Standards And Guidance Values And Groundwater Effluent Limitations. June.

NYS DEC 1999. Technical Guidance for Screening Contaminated Sediments. January.
















NYS DEC 2010a. New York State Division of Environmental Remediation (DER-10) Technical Guidance for Site Investigation and Remediation. May.

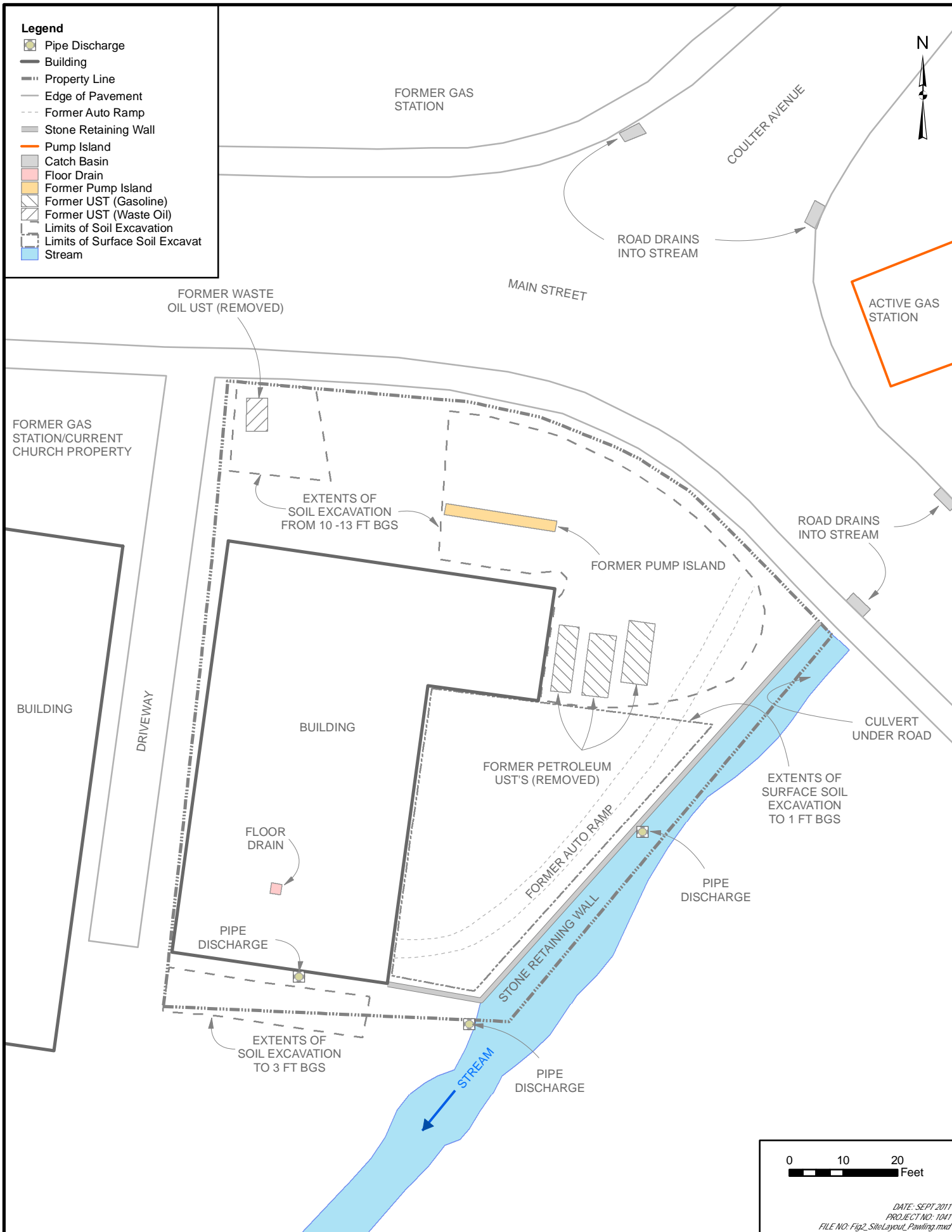
NYS DEC 2010b. Soil Cleanup Guidance CP-51. October.

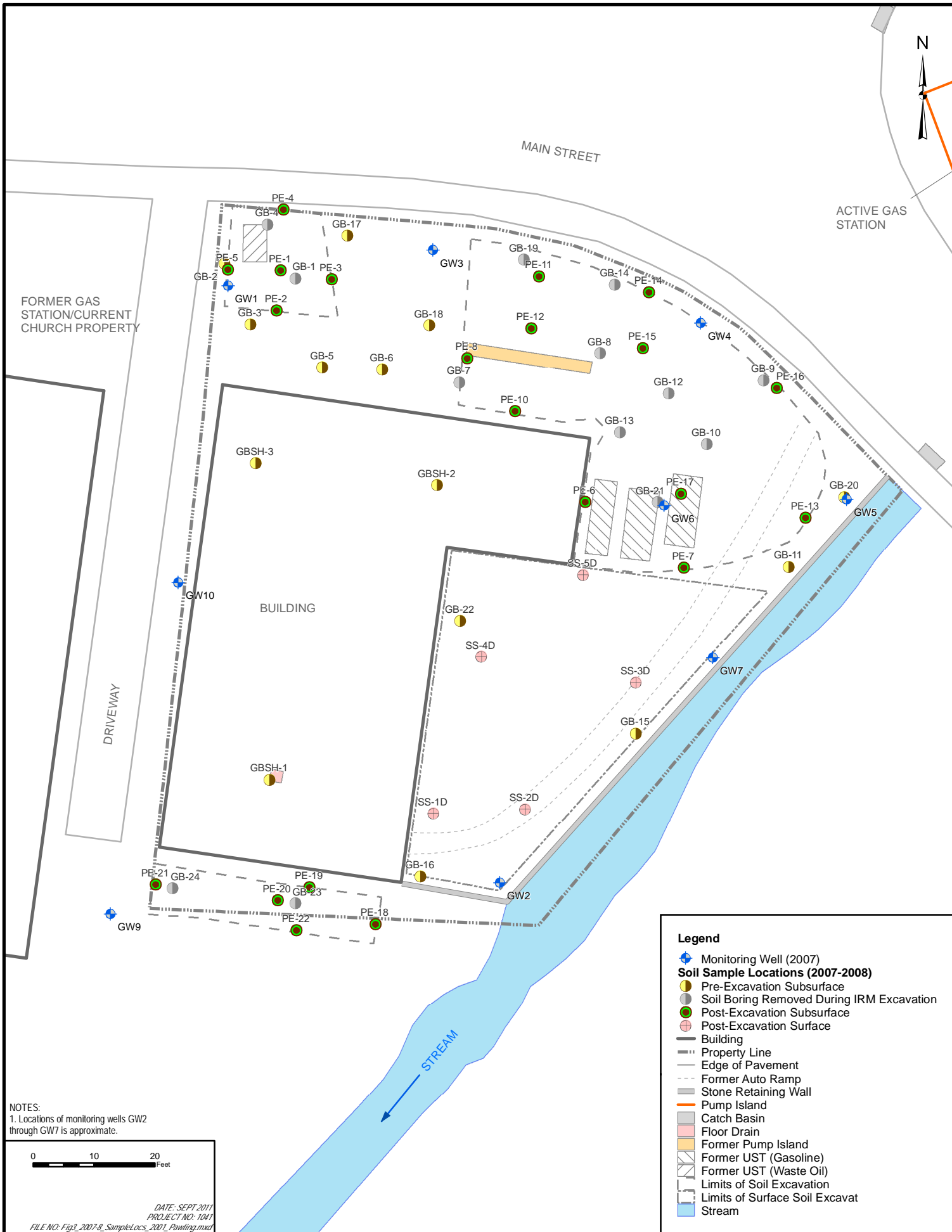
Zarecki and Associates, 2010. Cornerstone Enterprises, Incorporated, Dutchess County, New York, Final Remedial Investigation Work Plan. October.



**Legend**

-  Pipe Discharge
-  Building
-  Property Line
-  Edge of Pavement
-  Former Auto Ramp
-  Stone Retaining Wall
-  Pump Island
-  Catch Basin
-  Floor Drain
-  Former Pump Island
-  Former UST (Gasoline)
-  Former UST (Waste Oil)
-  Limits of Soil Excavation
-  Limits of Surface Soil Excavation
-  Stream





NOTES:  
 1. Locations of monitoring wells GW2 through GW7 is approximate.

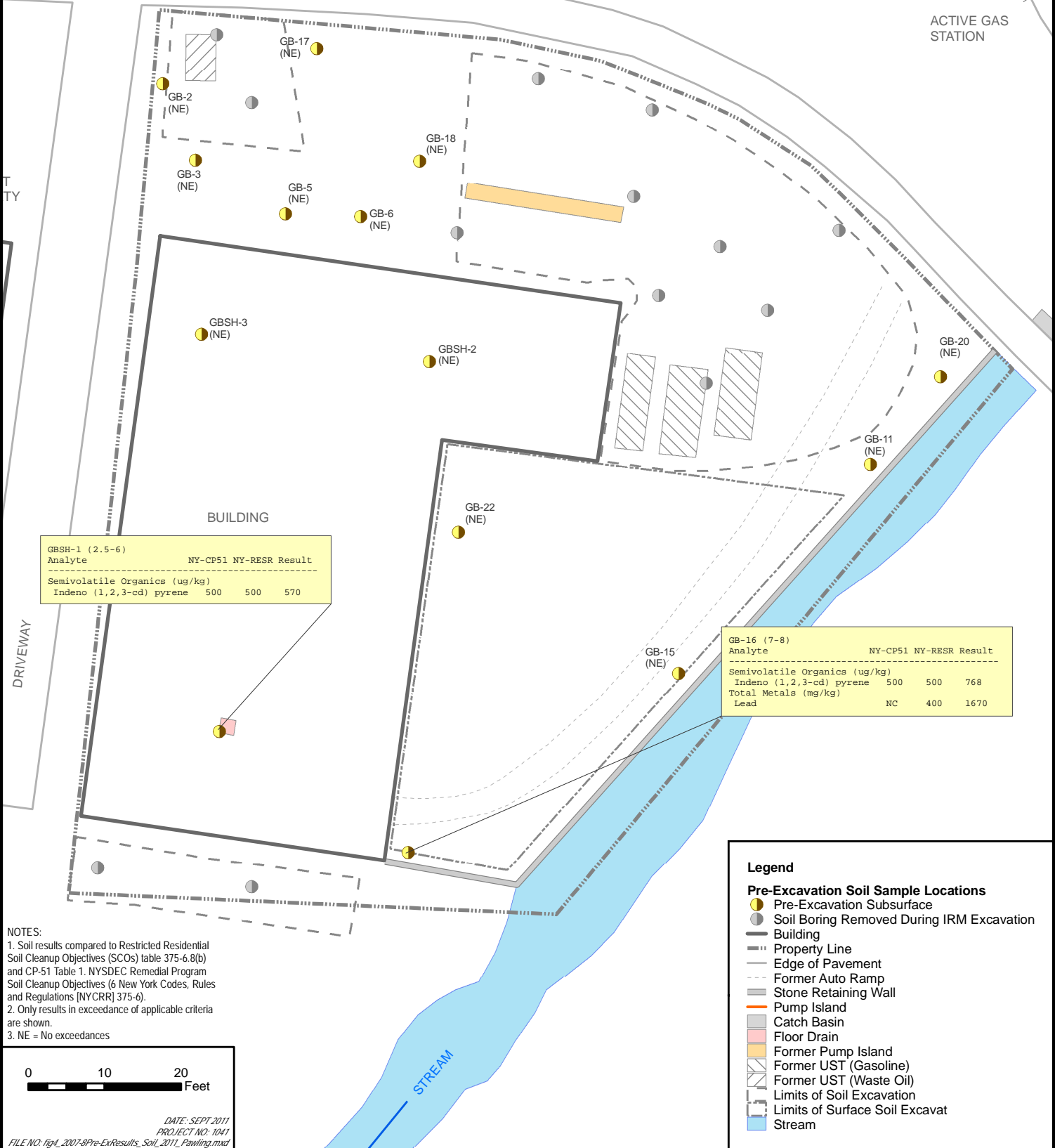


DATE: SEPT 2011  
 PROJECT NO: 1041  
 FILE NO: Fig2\_2007-8\_SampleLocs\_2001\_Pawling.mxd



MAIN STREET

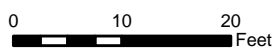
ACTIVE GAS STATION



GBSH-1 (2.5-6)			
Analyte	NY-CP51 NY-RESR Result		
Semivolatile Organics (ug/kg)			
Indeno (1,2,3-cd) pyrene	500	500	570

GB-16 (7-8)			
Analyte	NY-CP51 NY-RESR Result		
Semivolatile Organics (ug/kg)			
Indeno (1,2,3-cd) pyrene	500	500	768
Total Metals (mg/kg)			
Lead	NC	400	1670

NOTES:  
 1. Soil results compared to Restricted Residential Soil Cleanup Objectives (SCOs) table 375-6.8(b) and CP-51 Table 1. NYSDEC Remedial Program Soil Cleanup Objectives (6 New York Codes, Rules and Regulations [NYCRR] 375-6).  
 2. Only results in exceedance of applicable criteria are shown.  
 3. NE = No exceedances



DATE: SEPT 2011  
 PROJECT NO: 1041  
 FILE NO: fig4\_2007-8Pre-ExcResults\_Soil\_2011\_Pawling.mxd

- Legend**
- Pre-Excavation Soil Sample Locations
  - Pre-Excavation Subsurface
  - Soil Boring Removed During IRM Excavation
  - ▭ Building
  - ▭ Property Line
  - ▭ Edge of Pavement
  - ▭ Former Auto Ramp
  - ▭ Stone Retaining Wall
  - ▭ Pump Island
  - ▭ Catch Basin
  - ▭ Floor Drain
  - ▭ Former Pump Island
  - ▭ Former UST (Gasoline)
  - ▭ Former UST (Waste Oil)
  - ▭ Limits of Soil Excavation
  - ▭ Limits of Surface Soil Excavation
  - ▭ Stream



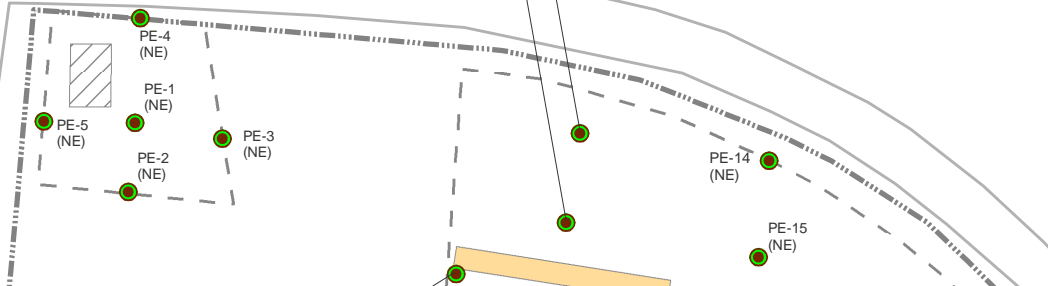
CORNERSTONE ENTERPRISES  
 PAWLING, NEW YORK

FIGURE 4 - 2007/2008 PRE-EXCAVATION SOIL RESULTS COMPARED TO RESTRICTED RESIDENTIAL CRITERIA



PE-12 Analyte	NY-CP51 NY-RESR Result		
Volatile Organics (ug/kg)			
m,p-Xylene	260	NC	762
o-Xylene	260	NC	503

PE-11 Analyte	NY-CP51 NY-RESR Result		
Volatile Organics (ug/kg)			
1,2,4-Trimethylbenzene	3600	3600	4370
m,p-Xylene	260	NC	365



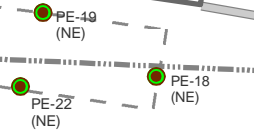
PE-8 Analyte	NY-CP51 NY-RESR Result		
Volatile Organics (ug/kg)			
m,p-Xylene	260	NC	279

PE-10 Analyte	NY-CP51 NY-RESR Result		
Volatile Organics (ug/kg)			
Ethylbenzene	1000	1000	34100
n-Propylbenzene	3900	3900	16400
1,2,4-Trimethylbenzene	3600	3600	98400
1,3,5-Trimethylbenzene	8400	8400	26700
m,p-Xylene	260	NC	37500

PE-6 Analyte	NY-CP51 NY-RESR Result		
Volatile Organics (ug/kg)			
Ethylbenzene	1000	1000	6220
n-Propylbenzene	3900	3900	21100
Naphthalene	12000	12000	17900
1,2,4-Trimethylbenzene	3600	3600	169000
1,3,5-Trimethylbenzene	8400	8400	69400
m,p-Xylene	260	NC	37000

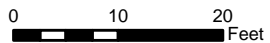
PE-21 Analyte	NY-CP51 NY-RESR Result		
Volatile Organics (ug/kg)			
Ethylbenzene	1000	1000	20200
1,2,4-Trimethylbenzene	3600	3600	93200
1,3,5-Trimethylbenzene	8400	8400	29500
m,p-Xylene	260	NC	559000
Semivolatile Organics (ug/kg)			
Benzo (a) anthracene	1000	1000	2320
Benzo (a) pyrene	1000	1000	2520
Benzo (b) fluoranthene	1000	1000	2360
Benzo (k) fluoranthene	800	800	2200
Chrysene	1000	1000	3320
Indeno (1,2,3-cd) pyrene	500	500	1820

PE-7 Analyte	NY-CP51 NY-RESR Result		
Volatile Organics (ug/kg)			
Ethylbenzene	1000	1000	2090
m,p-Xylene	260	NC	1140



PE-20 Analyte	NY-CP51 NY-RESR Result		
Volatile Organics (ug/kg)			
m,p-Xylene	260	NC	360

- NOTES:
1. Soil results compared to Restricted Residential Soil Cleanup Objectives (SCOs) table 375-6.8(b) and CP-51 Table 1. NYSDEC Remedial Program Soil Cleanup Objectives (6 New York Codes, Rules and Regulations [NYCRR] 375-6).
  2. Only results in exceedance of applicable criteria are shown.
  3. All units in ppm.
  4. NE = No exceedances
  5. Results for post excavation samples for soil ramp excavation SS-1D to SS-6D are shown on Figure 7



**Legend**

- Post-Excavation Soil Sample Location
- ▭ Building
- ▭ Property Line
- Edge of Pavement
- - - Former Auto Ramp
- ▭ Stone Retaining Wall
- ▭ Pump Island
- ▭ Catch Basin
- ▭ Floor Drain
- ▭ Former Pump Island
- ▭ Former UST (Gasoline)
- ▭ Former UST (Waste Oil)
- ▭ Limits of Soil Excavation
- ▭ Limits of Surface Soil Excavat
- ▭ Stream

DATE: SEPT 2011  
 PROJECT NO: 1041  
 FILE NO: Fig5\_2008\_Post-ExResults\_Soil\_2011\_Pawling.mxd



CORNERSTONE ENTERPRISES  
 PAWLING, NEW YORK

FIGURE 5 - 2008 POST-EXCAVATION SOIL RESULTS FROM UST AND FLOOR DRAIN EXCAVATION



MAIN STREET

FORMER GAS STATION/CURRENT CHURCH PROPERTY

SS-5D		NY-CP51 NY-RESR Result	
Analyte			
Total Metals (mg/kg)			
Lead	NC	400	512

BUILDING

SS-4D (NE)

SS-3D (NE)

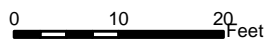
SS-1D (NE)

DRIVEWAY

SS-2D		NY-CP51 NY-RESR Result	
Analyte			
Total Metals (mg/kg)			
Lead	NC	400	410
Mercury	NC	0.81	1.23

STREAM

- NOTES:
1. Soil results compared to Restricted Residential Soil Cleanup Objectives (SCOs) table 375-6.8(b) and CP-51 Table 1. NYSDEC Remedial Program Soil Cleanup Objectives (6 New York Codes, Rules and Regulations [NYCRR] 375-6).
  2. Only results in exceedance of applicable criteria are shown.
  3. All units in ppm.
  4. NE = No exceedances



**Legend**

- Post-Excavation Surface Soil
- Building
- Property Line
- Edge of Pavement
- Former Auto Ramp
- Stone Retaining Wall
- Pump Island
- Catch Basin
- Floor Drain
- Former Pump Island
- Former UST (Gasoline)
- Former UST (Waste Oil)
- Limits of Soil Excavation
- Limits of Surface Soil Excavation
- Stream

DATE: SEPT 2011  
 PROJECT NO: 1041  
 FILE NO: Fig6\_08\_PERes\_Soil\_RampExc\_2011\_Pawling.mxd



CORNERSTONE ENTERPRISES PAWLING, NEW YORK **FIGURE 6 - 2008 POST-EXCAVATION SOIL RESULTS FROM RAMP EXCAVATION**



MAIN STREET

ACTIVE GAS STATION

GW-10		NY-AWQS Result	
Analyte			
Volatile Organics (ug/l)			
Ethylbenzene	5	662	
m,p-Xylene	5	1830	
o-Xylene	5	179	

GW-6		NY-AWQS Result	
Analyte			
Volatile Organics (ug/l)			
Ethylbenzene	5	113	

GW-7		NY-AWQS Result	
Analyte			
Volatile Organics (ug/l)			
Benzene	1	1.56	

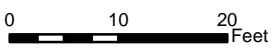
GW-9		NY-AWQS Result	
Analyte			
Volatile Organics (ug/l)			
Benzene	1	7.65	
Ethylbenzene	5	809	
m,p-Xylene	5	2900	
o-Xylene	5	38.4	
Semivolatile Organics (ug/l)			
Napthalene	10	130	

DRIVEWAY

BUILDING

STREAM

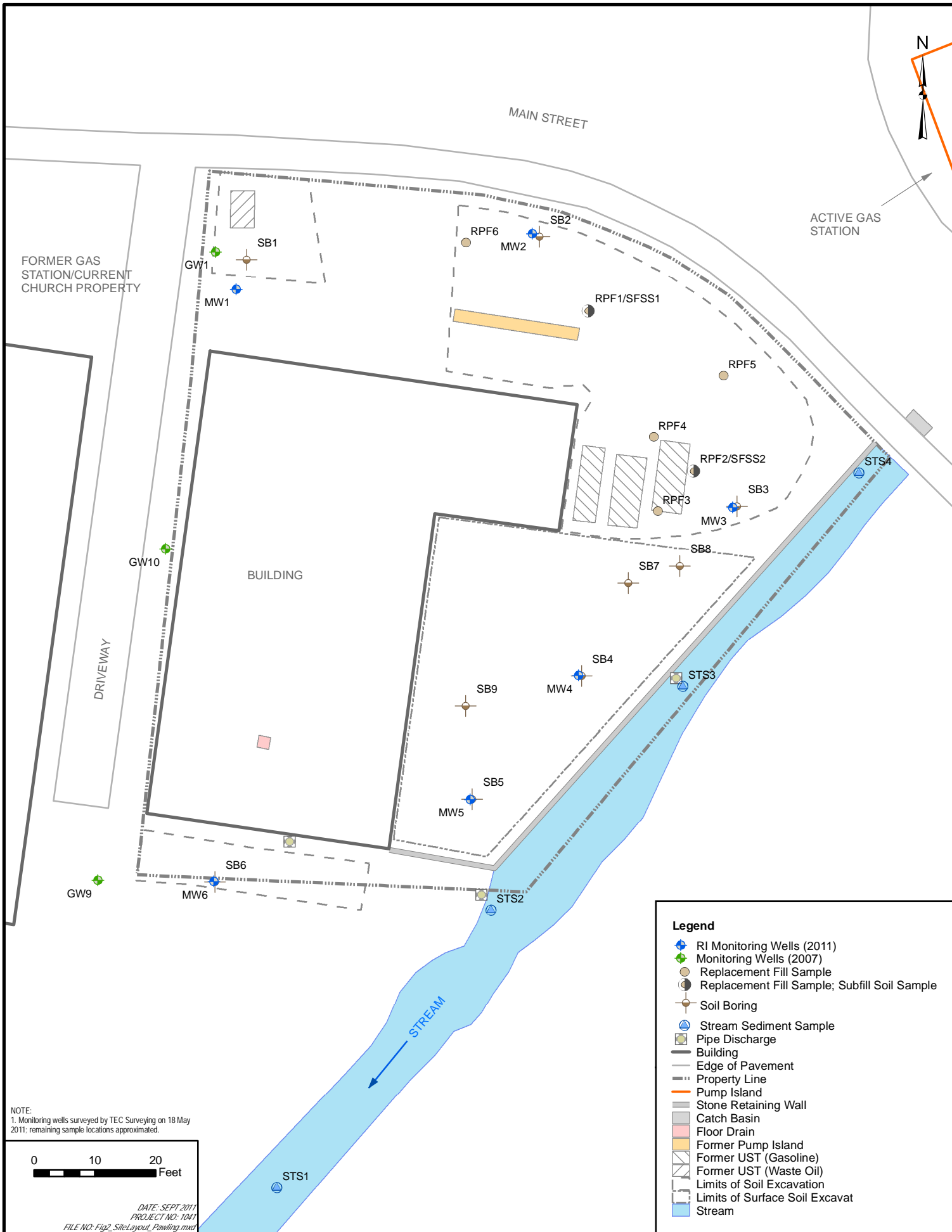
- NOTES:
1. Groundwater results compared to New York TOGS 111 Ambient Water Quality Standards criteria.
  2. Only results in exceedance of applicable criteria are shown.
  3. All units in ppb.
  4. NE = no exceedance



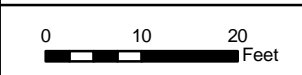
DATE: SEPT 2011  
 PROJECT NO: 1041  
 FILE NO: Fig7\_2007\_Results\_GW\_2007\_Pawling.mxd

**Legend**

- Monitoring Well (2007)
- Building
- Property Line
- Edge of Pavement
- Former Auto Ramp
- Stone Retaining Wall
- Pump Island
- Catch Basin
- Floor Drain
- Former Pump Island
- Former UST (Gasoline)
- Former UST (Waste Oil)
- Limits of Soil Excavation
- Limits of Surface Soil Excavation
- Stream



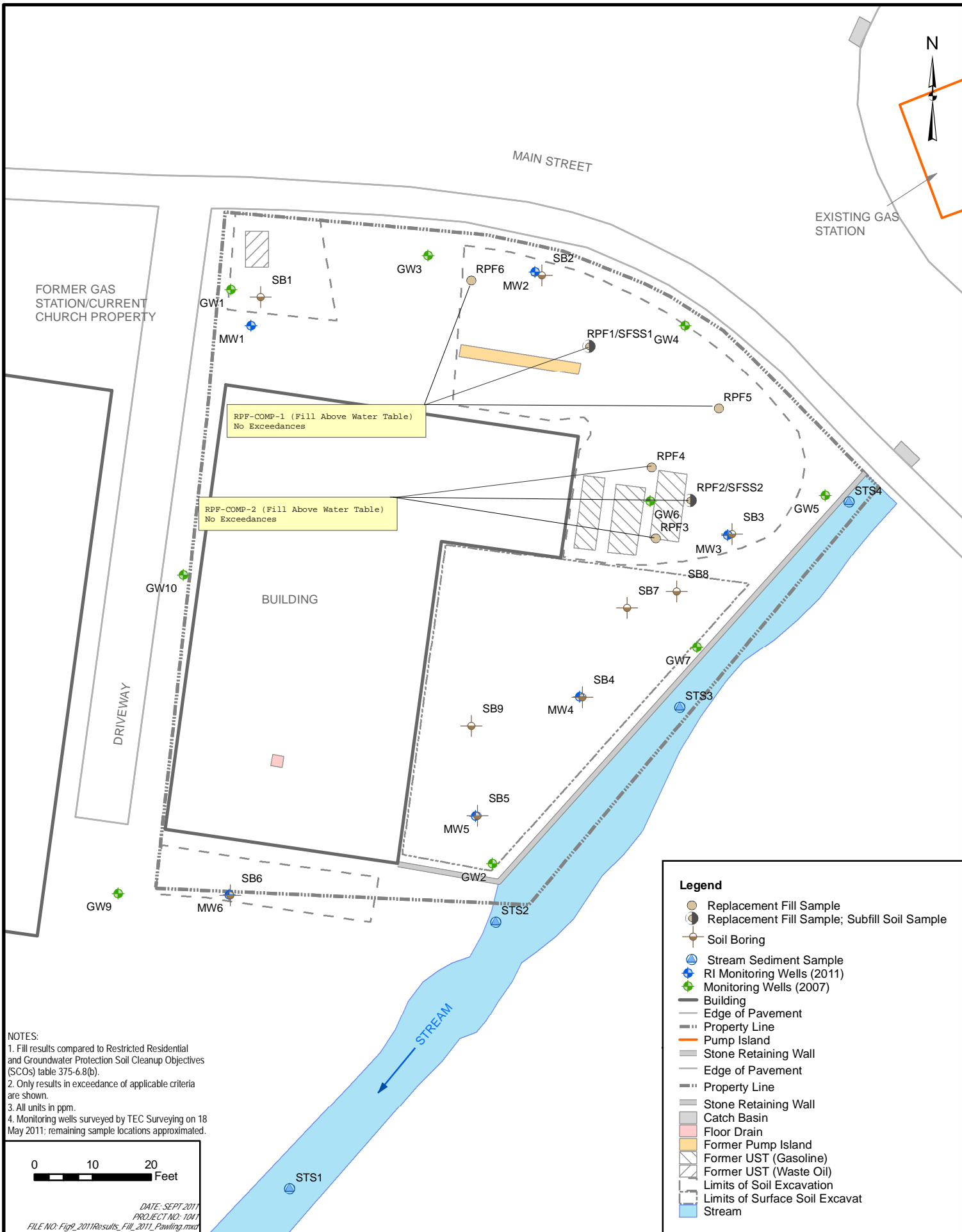
NOTE:  
 1. Monitoring wells surveyed by TEC Surveying on 18 May 2011; remaining sample locations approximated.

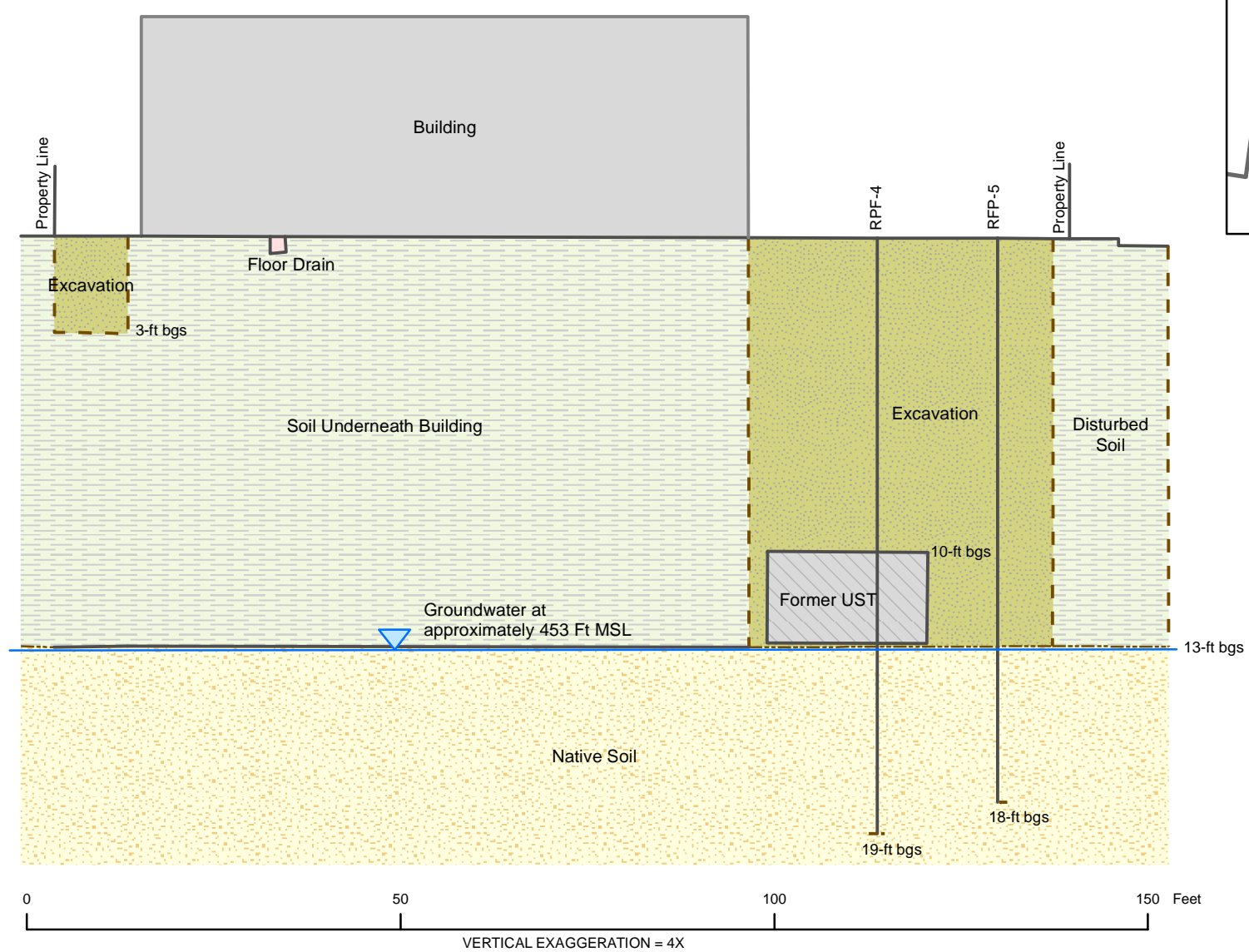
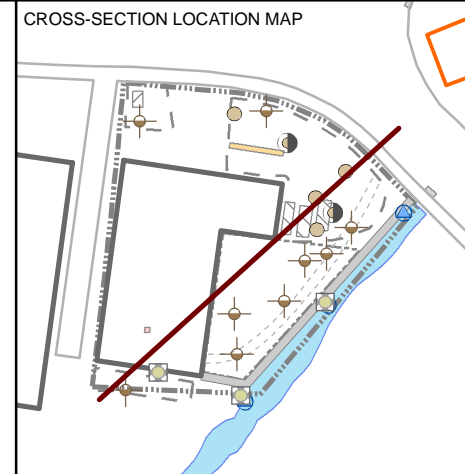


DATE: SEPT 2011  
 PROJECT NO: 1041  
 FILE NO: Fig2\_SiteLayout\_Pawling.mxd

- Legend**
- RI Monitoring Wells (2011)
  - Monitoring Wells (2007)
  - Replacement Fill Sample
  - Replacement Fill Sample; Subfill Soil Sample
  - Soil Boring
  - Stream Sediment Sample
  - Pipe Discharge
  - Building
  - Edge of Pavement
  - Property Line
  - Pump Island
  - Stone Retaining Wall
  - Catch Basin
  - Floor Drain
  - Former Pump Island
  - Former UST (Gasoline)
  - Former UST (Waste Oil)
  - Limits of Soil Excavation
  - Limits of Surface Soil Excavat
  - Stream



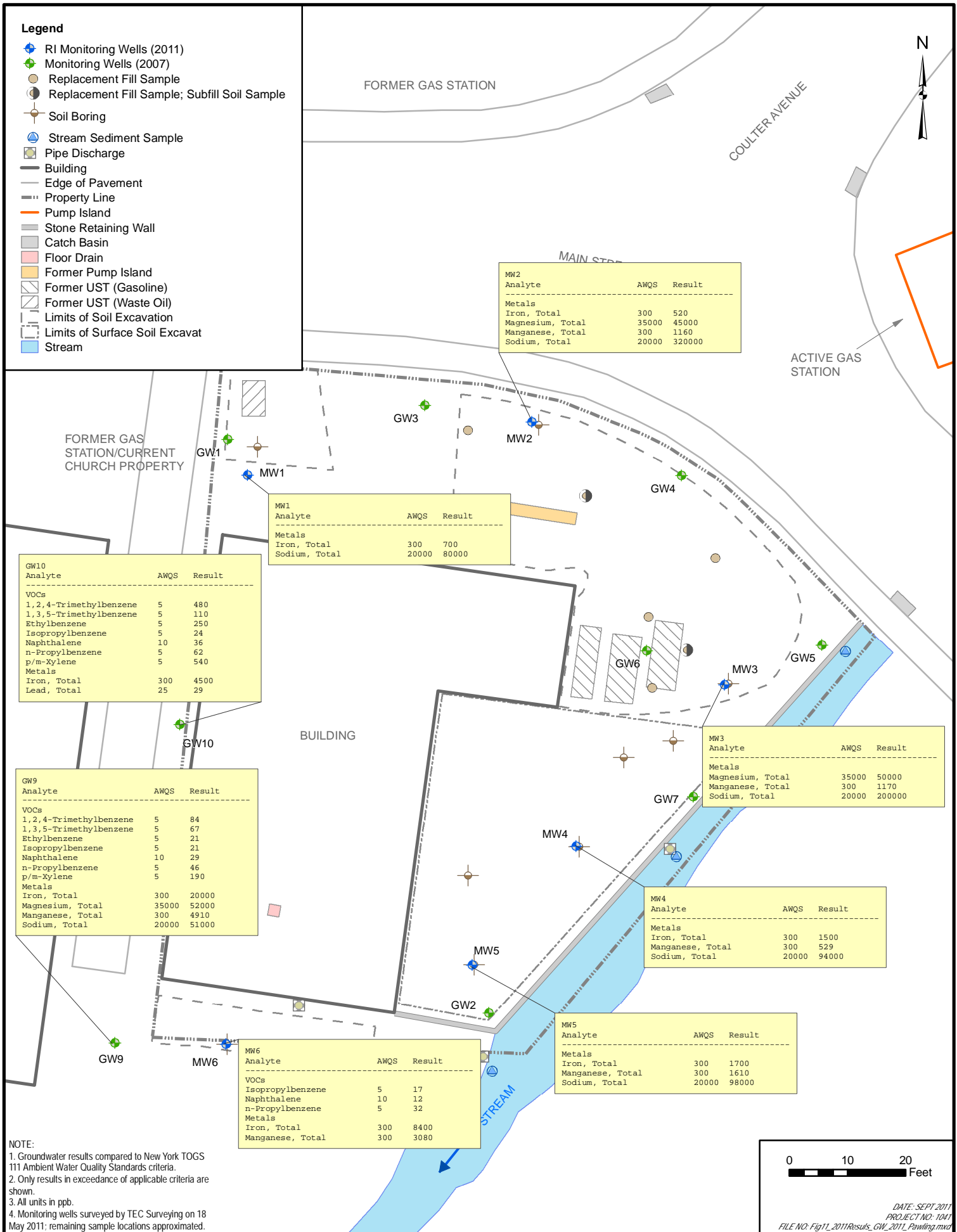




DATE: FEB 2012  
 PROJECT NO: 1041  
 FILE NO: Fig11\_XSecA-A\_2011\_Pawling.mxd

**Legend**

- RI Monitoring Wells (2011)
- Monitoring Wells (2007)
- Replacement Fill Sample
- Replacement Fill Sample; Subfill Soil Sample
- Soil Boring
- Stream Sediment Sample
- Pipe Discharge
- Building
- Edge of Pavement
- Property Line
- Pump Island
- Stone Retaining Wall
- Catch Basin
- Floor Drain
- Former Pump Island
- Former UST (Gasoline)
- Former UST (Waste Oil)
- Limits of Soil Excavation
- Limits of Surface Soil Excavation
- Stream



MW2	Analyte	AWQS	Result
<b>Metals</b>			
Iron, Total	300	520	
Magnesium, Total	35000	45000	
Manganese, Total	300	1160	
Sodium, Total	20000	320000	

MW1	Analyte	AWQS	Result
<b>Metals</b>			
Iron, Total	300	700	
Sodium, Total	20000	80000	

GW10	Analyte	AWQS	Result
<b>VOCs</b>			
1,2,4-Trimethylbenzene	5	480	
1,3,5-Trimethylbenzene	5	110	
Ethylbenzene	5	250	
Isopropylbenzene	5	24	
Naphthalene	10	36	
n-Propylbenzene	5	62	
p/m-Xylene	5	540	
<b>Metals</b>			
Iron, Total	300	4500	
Lead, Total	25	29	

GW9	Analyte	AWQS	Result
<b>VOCs</b>			
1,2,4-Trimethylbenzene	5	84	
1,3,5-Trimethylbenzene	5	67	
Ethylbenzene	5	21	
Isopropylbenzene	5	21	
Naphthalene	10	29	
n-Propylbenzene	5	46	
p/m-Xylene	5	190	
<b>Metals</b>			
Iron, Total	300	20000	
Magnesium, Total	35000	52000	
Manganese, Total	300	4910	
Sodium, Total	20000	51000	

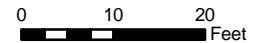
MW3	Analyte	AWQS	Result
<b>Metals</b>			
Magnesium, Total	35000	50000	
Manganese, Total	300	1170	
Sodium, Total	20000	200000	

MW4	Analyte	AWQS	Result
<b>Metals</b>			
Iron, Total	300	1500	
Manganese, Total	300	529	
Sodium, Total	20000	94000	

MW5	Analyte	AWQS	Result
<b>Metals</b>			
Iron, Total	300	1700	
Manganese, Total	300	1610	
Sodium, Total	20000	98000	


















MW6	Analyte	AWQS	Result
<b>VOCs</b>			
Isopropylbenzene	5	17	
Naphthalene	10	12	
n-Propylbenzene	5	32	
<b>Metals</b>			
Iron, Total	300	8400	
Manganese, Total	300	3080	

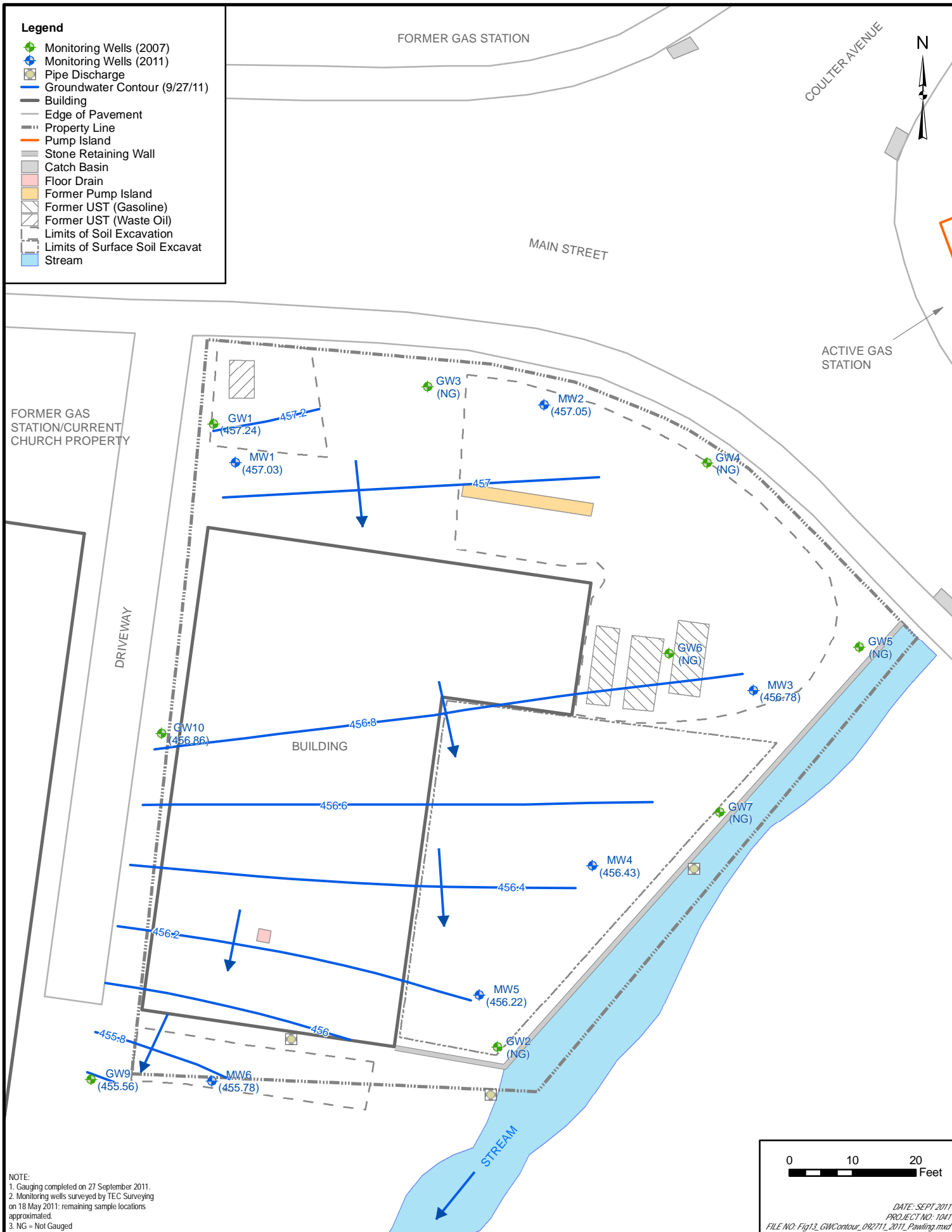
**NOTE:**  
 1. Groundwater results compared to New York TOGS 111 Ambient Water Quality Standards criteria.  
 2. Only results in exceedance of applicable criteria are shown.  
 3. All units in ppb.  
 4. Monitoring wells surveyed by TEC Surveying on 18 May 2011; remaining sample locations approximated.



DATE: SEPT 2011  
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 FILE NO: Fig11\_2011Results\_GW\_2011\_Pawling.mxd

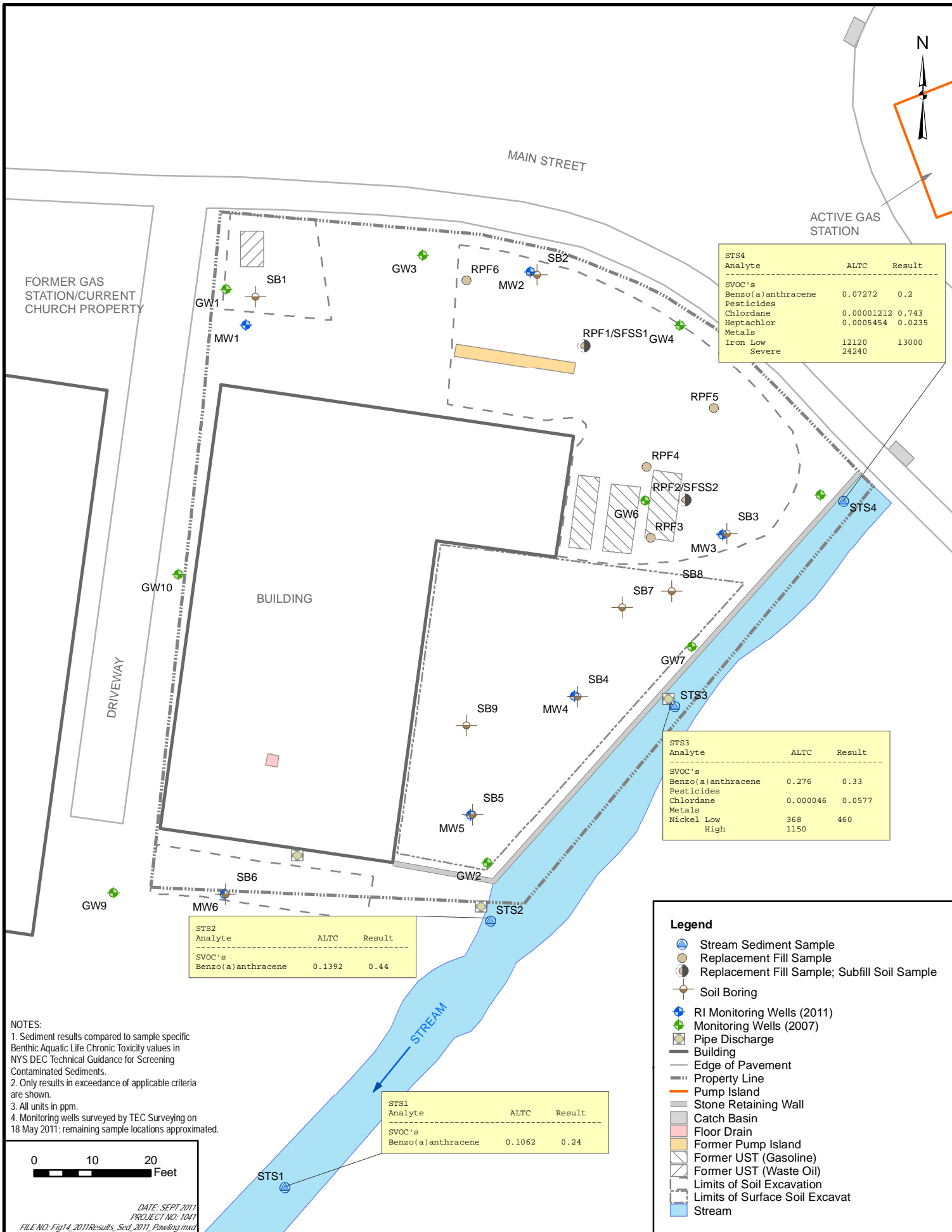
**Legend**

-  Monitoring Wells (2007)
-  Monitoring Wells (2011)
-  Pipe Discharge
-  Groundwater Contour (9/27/11)
-  Building
-  Edge of Pavement
-  Property Line
-  Pump Island
-  Stone Retaining Wall
-  Catch Basin
-  Floor Drain
-  Former Pump Island
-  Former UST (Gasoline)
-  Former UST (Waste Oil)
-  Limits of Soil Excavation
-  Limits of Surface Soil Excavat
-  Stream



NOTE:  
 1. Gauging completed on 27 September 2011.  
 2. Monitoring wells surveyed by TEC Surveying on 18 May 2011; remaining sample locations approximated.  
 3. NG = Not Gauged

0 10 20 Feet  
 DATE: SEPT 2011  
 PROJECT NO: 1041  
 FILE NO: Fig13\_GWContour\_092711\_2011\_Pawling.mxd



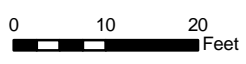
STSS4 Analyte	ALTC	Result
SVOC's		
Benzo(a)anthracene	0.07272	0.2
Pesticides		
Chlordane	0.00001212	0.743
Heptachlor	0.0005454	0.0235
Metals		
Iron Low	12120	13000
Severe	24240	

STSS3 Analyte	ALTC	Result
SVOC's		
Benzo(a)anthracene	0.276	0.33
Pesticides		
Chlordane	0.000046	0.0577
Metals		
Nickel Low	368	460
High	1150	

STSS2 Analyte	ALTC	Result
SVOC's		
Benzo(a)anthracene	0.1392	0.44

STSS1 Analyte	ALTC	Result
SVOC's		
Benzo(a)anthracene	0.1062	0.24

NOTES:  
 1. Sediment results compared to sample specific Benthic Aquatic Life Chronic Toxicity values in NYS DEC Technical Guidance for Screening Contaminated Sediments.  
 2. Only results in exceedance of applicable criteria are shown.  
 3. All units in ppm.  
 4. Monitoring wells surveyed by TEC Surveying on 18 May 2011; remaining sample locations approximated.



DATE: SEPT 2011  
 PROJECT NO: 1041  
 FILE NO: Fig14\_2011Results\_Sed\_2011\_Pawling.mxd

- Legend**
- Stream Sediment Sample
  - Replacement Fill Sample
  - Replacement Fill Sample; Subfill Soil Sample
  - Soil Boring
  - RI Monitoring Wells (2011)
  - Monitoring Wells (2007)
  - Pipe Discharge
  - Building
  - Edge of Pavement
  - Property Line
  - Pump Island
  - Stone Retaining Wall
  - Catch Basin
  - Floor Drain
  - Former Pump Island
  - Former UST (Gasoline)
  - Former UST (Waste Oil)
  - Limits of Soil Excavation
  - Limits of Surface Soil Excavat
  - Stream

**TABLE 1**  
**2007/2008 SAMPLE SUMMARY**  
**CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

**Soil Borings**

Sample ID	Sampling Depth (ft bgs)	Media	VOC by EPA Method 8260	VOC by EPA Method 8021	SVOC by EPA Method 8270	RCRA Metals
GB-1	8-9	Soil	x	0	x	x
GB-2	8-9	Soil	x	0	x	x
GB-3	8-9	Soil	x	0	x	x
GB-4	8-9	Soil	x	0	x	x
GB-5	8-9	Soil	x	0	x	x
GB-6	8-10	Soil	x	0	x	x
GB-11	6-8	Soil	x	0	x	x
GB-15	6-8	Soil	x	0	x	x
GB-16	7-8	Soil	x	0	x	x
GB-17	6-8	Soil	x	0	x	x
GB-18	6-8	Soil	x	0	x	x
GB-19	8-10	Soil	x	0	x	x
GB-20	6-8	Soil	x	0	x	x
GB-22	8-10	Soil	x	0	x	x
GB-23	3-4	Soil	x	0	x	x
GB-24	0-12	Soil	x	0	x	x
GBSH-1	2.5-6	Soil	x	0	x	x
GBSH-2	0-3	Soil	x	0	x	x
GBSH-3	0-3	Soil	x	0	x	x

**Groundwater**

Sample ID	Sampling Depth (ft bgs)	Media	VOC by EPA Method 8260	VOC by EPA Method 8021	SVOC by EPA Method 8270	RCRA Metals
GW-1	Well screen across water table	Groundwater	x	0	x	x
GW-2	Well screen across water table	Groundwater	x	0	x	x
GW-3	Well screen across water table	Groundwater	x	0	x	x
GW-4	Well screen across water table	Groundwater	x	0	x	x
GW-5	Well screen across water table	Groundwater	x	0	x	x
GW-6	Well screen across water table	Groundwater	x	0	x	x
GW-7	Well screen across water table	Groundwater	x	0	x	x
GW-8	Well screen across water table	Groundwater	x	0	x	x
GW-9	Well screen across water table	Groundwater	x	0	x	x
GW-10	Well screen across water table	Groundwater	x	0	x	x

**TABLE 1**  
**2007/2008 SAMPLE SUMMARY, CONTINUED**  
**CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

**Post-Excavation Samples**

<b>Sample ID</b>	<b>Sampling Depth (ft bgs)</b>	<b>Media</b>	<b>VOC by EPA Method 8260</b>	<b>VOC by EPA Method 8021</b>	<b>SVOC by EPA Method 8270</b>	<b>RCRA Metals</b>
PE-1	Excavation Bottom	Soil	0	x	x	0
PE-2	Excavation Sidewall	Soil	0	x	x	0
PE-3	Excavation Sidewall	Soil	0	x	x	0
PE-4	Excavation Sidewall	Soil	0	x	x	0
PE-5	Excavation Sidewall	Soil	0	x	x	0
PE-6	Excavation Sidewall	Soil	0	x	0	0
PE-7	Excavation Sidewall	Soil	0	x	0	0
PE-8	Excavation Sidewall	Soil	0	x	0	0
PE-9	Not Collected					
PE-10	Excavation Sidewall	Soil	0	x	0	0
PE-11	Excavation Sidewall	Soil	0	x	0	0
PE-12	Excavation Bottom	Soil	0	x	0	0
PE-13	Excavation Sidewall	Soil	0	x	0	0
PE-14	Excavation Sidewall	Soil	0	x	0	0
PE-15	Excavation Bottom	Soil	0	x	0	0
PE-16	Excavation Sidewall	Soil	0	x	0	0
PE-17	Excavation Bottom	Soil	0	x	0	0
PE-18	Excavation Sidewall	Soil	0	x	0	0
PE-19	Excavation Sidewall	Soil	0	x	0	0
PE-20	Excavation Bottom	Soil	0	x	0	0
PE-21	Excavation Sidewall	Soil	0	x	0	0
PE-22	Excavation Sidewall	Soil	0	x	0	0

TABLE 2  
2011 SAMPLE SUMMARY  
CORNERSTONE ENTERPRISES, PAWLING, NEW YORK

Soil

Sample ID	Sampling Depth (ft bgs)	Media	VOC by EPA Method 8260	SVOC by EPA Method 8270	Metals by EPA Method 6010/7471	Cyanide by EPA Method 9012	Hexavalent Chromium by EPA Method 7196A	PCB by EPA Method 8082	Pesticides by Method 8081	Total Organic Carbon by Lloyd Kahn	Trip Blanks by EPA Method 8260	Note
SB-1	5-10	Soil	x	x	x	x	0	x	x	0	x	Soil sample collected from above water table.
SB-2	5-10	Soil	x	x	x	0	0	0	0	0	0	Soil sample collected from above water table.
SB-3	10-15	Soil	x	x	x	x	0	x	x	0	0	Soil sample collected from above water table.
SB-4	5-10	Soil	x	x	x	0	0	0	0	0	0	Soil sample collected from above water table.
SB-5	5-10	Soil	x	x	x	0	0	0	0	0	0	Soil sample collected from above water table.
SB-6	5-10	Soil	x	x	x	x	0	x	x	0	0	Soil sample collected from above water table.
SB-7	5-10	Soil	x	x	0	0	0	0	0	0	0	Soil sample collected from above water table.
SB-8	5-10	Soil	x	x	0	0	0	0	0	0	0	Soil sample collected from above water table.
SB-9	5-10	Soil	x	x	0	0	0	0	0	0	0	Soil sample collected from above water table.
SFSS-1	13	Soil	x	x	x	x	0	x	x	0	0	Soil sample collected 6 inches below fill.
SFSS-2	15	Soil	x	x	x	x	0	x	x	0	0	Soil sample collected 6 inches below fill.

Fill

Sample ID	Sampling Depth (ft bgs)	Media	VOC by EPA Method 8260	SVOC by EPA Method 8270	Metals by EPA Method 6010/7471	Cyanide by EPA Method 9012	Hexavalent Chromium by EPA Method 7196A	PCB by EPA Method 8082	Pesticides by Method 8081	Total Organic Carbon by Lloyd Kahn Method	Trip Blanks by EPA Method 8260	Note
GRAB-1	8	Soil	x	0	0	0	0	0	0	0	0	Grab sample from Replacement Fill Boring to assess fill composition.
GRAB-2	8	Soil	x	0	0	0	0	0	0	0	0	Grab sample from Replacement Fill Boring to assess fill composition.
GRAB-3	8	Soil	x	0	0	0	0	0	0	0	0	Grab sample from Replacement Fill Boring to assess fill composition.
GRAB-4	8	Soil	x	0	0	0	0	0	0	0	0	Grab sample from Replacement Fill Boring to assess fill composition.
GRAB-5	7.5	Soil	x	0	0	0	0	0	0	0	0	Grab sample from Replacement Fill Boring to assess fill composition.
GRAB-6	7.5	Soil	x	0	0	0	0	0	0	0	0	Grab sample from Replacement Fill Boring to assess fill composition.
RPF-COMP-1	0-7	Soil	0	x	x	x	x	x	x	0	0	Composite subsurface soil from 5 locations within north half of fill area to assess fill composition.
RPF-COMP-2	0-5	Soil	0	x	x	x	x	x	x	0	0	Composite subsurface soil from 5 locations within south half of fill area to assess fill composition.

Sediment

Sample ID	Sampling Depth (ft bgs)	Media	VOC by EPA Method 8260	SVOC by EPA Method 8270	Metals by EPA Method 6010/7471	Cyanide by EPA Method 9012	Hexavalent Chromium by EPA Method 7196A	PCB by EPA Method 8082	Pesticides by Method 8081	Total Organic Carbon by Lloyd Kahn Method	Trip Blanks by EPA Method 8260	Note
STS-1	0 to 0.5	Sediment	x	x	x	x	0	x	x	x	1	Downstream sample.
STS-2	1 to 0.5	Sediment	x	x	x	x	0	x	x	x	0	Collected at pipe outfall along stream bank.
STS-3	2 to 0.5	Sediment	x	x	x	x	0	x	x	x	0	Collected at pipe outfall in retaining wall.
STS-4	3 to 0.5	Sediment	x	x	x	x	0	x	x	x	0	Upstream sample immediately south of road culvert.

TABLE 2  
2011 SAMPLE SUMMARY, CONTINUED  
CORNERSTONE ENTERPRISES, PAWLING, NEW YORK

Groundwater

Sample ID	Sampling Depth (ft bgs)	Media	VOC by EPA Method 8260	SVOC by EPA Method 8270	Metals by EPA Method 6010/7471	Cyanide by EPA Method 9012	Hexavalent Chromium by EPA Method 7196A	PCB by EPA Method 8082	Pesticides by Method 8081	Total Organic Carbon by Lloyd Kahn Method	Trip Blanks by EPA Method 8260	Note
MW-1	Well Screened Across Water Table	Groundwater	x	x	x	x	0	x	x	0	x	Groundwater sample collected from newly installed well near former location of waste oil tank.
MW-2	Well Screened Across Water Table	Groundwater	x	x	x	0	0	0	0	0	0	Groundwater sample collected from newly installed well north of UST excavation.
MW-3	Well Screened Across Water Table	Groundwater	x	x	x	1	0	x	x	0	0	Groundwater sample collected from newly installed well within UST excavation.
MW-4	Well Screened Across Water Table	Groundwater	x	x	x	0	0	0	0	0	0	Groundwater sample collected from newly installed well downgradient of building.
MW-5	Well Screened Across Water Table	Groundwater	x	x	x	1	0	x	x	0	0	Groundwater sample collected from newly installed well east of building.
MW-6	Well Screened Across Water Table	Groundwater	x	x	x	1	0	x	x	0	0	Groundwater sample collected from newly installed well south of building.
GW-9	Well Screened Across Water Table	Groundwater	x	x	x	1	0	x	x	0	0	Groundwater sample collected from previously installed well southeast of Site.
GW-10	Well Screened Across Water Table	Groundwater	x	x	x	1	0	x	x	0	0	Groundwater sample collected from previously installed well west of Site.

TABLE 3  
2007/2008 SOIL SAMPLE RESULTS  
CORNERSTONE ENTERPRISES, PAWLING, NEW YORK

**Semivolatile Organics (ug/kg)**

Analyte	NY-CP51	NY-RESRR	GB-1 (8-9)	GB-2 (8-9)	GB-3 (8-9)	GB-4 (8-9)	GB-5 (8-9)	GB-6 (8-10)	GB-11 (6-8)	GB-15 (6-8)	GB-16 (7-8)	GB-17 (6-8)
Acenaphthene	20000	20000	<336U	<346U	<330U	<344U	<393U	<383U	<405U	<408U	<353U	<312U
Acenaphthylene	100000	100000	<336U	<346U	<330U	<344U	<393U	<383U	<405U	<408U	401	<312U
Anthracene	100000	100000	<336U	<346U	<330U	<344U	<393U	<383U	<405U	<408U	<353U	<312U
Benzo (a) anthracene	1000	1000	<336U	<346U	<330U	<344U	<393U	<383U	<405U	<408U	586	<312U
Benzo (a) pyrene	1000	1000	<336U	<346U	<330U	<344U	<393U	<383U	<405U	<408U	661	<312U
Benzo (b) fluoranthene	1000	1000	<336U	<346U	<330U	<344U	<393U	<383U	<405U	<408U	595	<312U
Benzo (g,h,i) perylene	100000	100000	<336U	<346U	<330U	<344U	<393U	<383U	<405U	<408U	1470	<312U
Benzo (k) fluoranthene	800	800	<336U	<346U	<330U	<344U	<393U	<383U	<405U	<408U	457	<312U
Chrysene	1000	1000	<336U	<346U	<330U	<344U	<393U	<383U	<405U	<408U	574	<312U
Dibenz (a,h) anthracene	330	330	<336U	<346U	<330U	<344U	<393U	<383U	<405U	<408U	<353U	<312U
Fluoranthene	100000	100000	<336U	<346U	<330U	<344U	<393U	<383U	<405U	<408U	754	<312U
Fluorene	30000	30000	<336U	<346U	<330U	<344U	<393U	<383U	<405U	<408U	<353U	<312U
Indeno (1,2,3-cd) pyrene	500	500	<336U	<346U	<330U	<344U	<393U	<383U	<405U	<408U	<b>768</b>	<312U
Napthalene	12000	12000	<336U	<346U	<330U	<344U	<393U	<383U	<405U	<408U	<353U	<312U
Phenanthrene	100000	100000	<336U	<346U	<330U	<344U	<393U	<383U	<405U	<408U	<353U	<312U
Pyrene	100000	100000	<336U	<346U	<330U	<344U	<393U	<383U	<405U	<408U	689	<312U

Analyte	NY-CP51	NY-RESRR	GB-18 (6-8)	GB-19 (8-10)	GB-20 (6-8)	GB-21 (7-8)	GB-22 (8-10)	GB-23 (3-4)	GB-24 (0-12)	GBSH-1 (2.5-6)	GBSH-2 (0-3)	GBSH-3 (0-3)
Acenaphthene	20000	20000	<499U	<337U	<338U	<378U	<352U	<326U	<330U	<306U	<372U	<343U
Acenaphthylene	100000	100000	<499U	<337U	<338U	<378U	<352U	<326U	<330U	326	<372U	<343U
Anthracene	100000	100000	<499U	<337U	<338U	<378U	<352U	<326U	<330U	<306U	<372U	<343U
Benzo (a) anthracene	1000	1000	<499U	<337U	<338U	<378U	<352U	337	<330U	316	<372U	<343U
Benzo (a) pyrene	1000	1000	<499U	<337U	<338U	<378U	<352U	<326U	<330U	499	<372U	<343U
Benzo (b) fluoranthene	1000	1000	<499U	<337U	<338U	<378U	<352U	379	<330U	375	<372U	<343U
Benzo (g,h,i) perylene	100000	100000	<499U	<337U	<338U	<378U	<352U	<326U	<330U	986	<372U	<343U
Benzo (k) fluoranthene	800	800	<499U	<337U	<338U	<378U	<352U	347	<330U	<306U	<372U	<343U
Chrysene	1000	1000	<499U	<337U	<338U	<378U	<352U	513	<330U	341	<372U	<343U
Dibenz (a,h) anthracene	330	330	<499U	<337U	<338U	<378U	<352U	<326U	<330U	<306U	<372U	<343U
Fluoranthene	100000	100000	<499U	462	<338U	<378U	<352U	1030	<330U	467	<372U	<343U
Fluorene	30000	30000	<499U	<337U	<338U	<378U	<352U	<326U	<330U	<306U	<372U	<343U
Indeno (1,2,3-cd) pyrene	500	500	<499U	<337U	<338U	<378U	<352U	<326U	<330U	<b>570</b>	<372U	<343U
Napthalene	12000	12000	<499U	<337U	<338U	820	<352U	<326U	2550	<306U	<372U	<343U
Phenanthrene	100000	100000	<499U	344	<338U	<378U	<352U	<326U	<330U	<306U	<372U	<343U
Pyrene	100000	100000	<499U	349	<338U	<378U	<352U	761	<330U	424	<372U	<343U

**Semivolatile Organics (ug/kg)**

Analyte	NY-CP51	NY-RESRR	PE-1	PE-2	PE-3	PE-4	PE-5
Acenaphthene	20000	20000	<333U	<334U	<339U	<318U	<332U
Acenaphthylene	100000	100000	<333U	<334U	<339U	<318U	<332U
Anthracene	100000	100000	<333U	<334U	<339U	<318U	<332U
Benzo (a) anthracene	1000	1000	<333U	<334U	<339U	<318U	<332U
Benzo (a) pyrene	1000	1000	<333U	<334U	<339U	<318U	<332U
Benzo (b) fluoranthene	1000	1000	<333U	<334U	<339U	<318U	<332U
Benzo (g,h,i) perylene	100000	100000	<333U	<334U	<339U	<318U	<332U
Benzo (k) fluoranthene	800	800	<333U	<334U	<339U	<318U	<332U
Chrysene	1000	1000	<333U	<334U	<339U	<318U	<332U
Dibenz (a,h) anthracene	330	330	<333U	<334U	<339U	<318U	<332U
Fluoranthene	100000	100000	<333U	<334U	<339U	<318U	<332U
Fluorene	30000	30000	<333U	<334U	<339U	<318U	<332U
Indeno (1,2,3-cd) pyrene	500	500	<333U	<334U	<339U	<318U	<332U
Napthalene	12000	12000	<333U	<334U	<339U	<318U	<332U
Phenanthrene	100000	100000	<333U	<334U	<339U	<318U	<332U
Pyrene	100000	100000	<333U	<334U	<339U	<318U	<332U

Analyte	NY-CP51	NY-RESRR	PE-18	PE-19	PE-20	PE-21	PE-22
Acenaphthene	20000	20000	<412U	<346U	<367U	<692U	<414U
Acenaphthylene	100000	100000	<412U	<346U	<367U	<692U	<414U
Anthracene	100000	100000	<412U	<346U	<367U	772	<414U
Benzo (a) anthracene	1000	1000	<412U	<346U	<367U	<b>2320</b>	<414U
Benzo (a) pyrene	1000	1000	<412U	<346U	<367U	<b>2520</b>	<414U
Benzo (b) fluoranthene	1000	1000	<412U	<346U	<367U	<b>2360</b>	<414U
Benzo (g,h,i) perylene	100000	100000	<412U	<346U	<367U	1970	<414U
Benzo (k) fluoranthene	800	800	<412U	<346U	<367U	<b>2200</b>	<414U
Chrysene	1000	1000	<412U	<346U	<367U	<b>3320</b>	474
Dibenz (a,h) anthracene	330	330	<412U	<346U	<367U	<692U	<414U
Fluoranthene	100000	100000	<412U	<346U	<367U	5300	967
Fluorene	30000	30000	<412U	<346U	<367U	<692U	<414U
Indeno (1,2,3-cd) pyrene	500	500	<412U	<346U	<367U	<b>1820</b>	<414U
Napthalene	12000	12000	<412U	<346U	<367U	6410	<414U
Phenanthrene	100000	100000	<412U	<346U	<367U	1670	508
Pyrene	100000	100000	<412U	<346U	<367U	2030	579

Analyte	NY-CP51	NY-RESRR	SS-1D	SS-2D	SS-3D	SS-4D	SS-5D
Acenaphthene	20000	20000	<323U	<337U	<345U	<319U	<328U
Acenaphthylene	100000	100000	<323U	<337U	<345U	<319U	<328U
Anthracene	100000	100000	<323U	<337U	<345U	<319U	<328U
Benzo (a) anthracene	1000	1000	<323U	<337U	<345U	<319U	<328U
Benzo (a) pyrene	1000	1000	<323U	<337U	<345U	<319U	<328U
Benzo (b) fluoranthene	1000	1000	<323U	<337U	<345U	<319U	343
Benzo (g,h,i) perylene	100000	100000	<323U	<337U	<345U	<319U	<328U

**Semivolatile Organics (ug/kg)**

			SS-1D	SS-2D	SS-3D	SS-4D	SS-5D
Benzo (k) fluoranthene	800	800	<323U	<337U	<345U	<319U	<328U
Chrysene	1000	1000	<323U	<337U	<345U	<319U	356
Dibenz (a,h) anthracene	330	330	<323U	<337U	<345U	<319U	<328U
Fluoranthene	100000	100000	<323U	379	<345U	494	566
Fluorene	30000	30000	<323U	<337U	<345U	<319U	<328U
Indeno (1,2,3-cd) pyrene	500	500	<323U	<337U	<345U	<319U	<328U
Napthalene	12000	12000	<323U	<337U	<345U	<319U	<328U
Phenanthrene	100000	100000	<323U	<337U	<345U	<319U	358
Pyrene	100000	100000	<323U	346	<345U	434	580

**Total Metals (mg/kg)**

Analyte	NY-CP51	NY-RESRR	GB-1 (8-9)	GB-2 (8-9)	GB-3 (8-9)	GB-4 (8-9)	GB-5 (8-9)	GB-6 (8-10)	GB-11 (6-8)	GB-15 (6-8)	GB-16 (7-8)	GB-17 (6-8)
			Arsenic	NC	16	5.91	6.74	5.02	6.01	6.06	4.25	3.66
Barium	NC	400	36.3	69.3	44.3	19.7	74.1	48.4	44.1	48.9	329	35.4
Cadmium	NC	4.3	<0.499U	<0.395U	<0.485U	<0.544U	<0.660U	<0.623U	<0.491U	<0.627U	3.34	<0.542U
Chromium	NC	NC	16.7	20.3	17.9	17.3	16.4	11.7	14.2	15.5	19.3	16.1
Lead	NC	400	5.38	22.6	8.24	7.05	29	8.68	27.8	13.3	<b>1670</b>	6.57
Mercury	NC	0.81	0.0095	0.0889	0.0217	0.0137	0.0138	0.0268	0.1085	0.0447	0.2062	0.0354
Selenium	NC	180	1.99	<0.395U	<0.485U	<0.544U	<0.660U	<0.623U	<0.491U	<0.627U	<0.572U	<0.542U
Silver	NC	180	<0.998U	<0.791U	<0.968U	<1.09U	<1.32U	<1.24U	<0.982U	<1.25U	<1.14U	<1.08U

Analyte	NY-CP51	NY-RESRR	GB-18 (6-8)	GB-19 (8-10)	GB-20 (6-8)	GB-21 (7-8)	GB-22 (8-10)	GB-23 (3-4)	GB-24 (0-12)	GBSH-1 (2.5-6)	GBSH-2 (0-3)	GBSH-3 (0-3)
			Arsenic	NC	16	6.15	3.31	3.99	2.99	3.46	3.43	4.14
Barium	NC	400	104	25.8	49.8	33.5	47.3	36	39.6	63.4	57.7	38.2
Cadmium	NC	4.3	<0.802U	<0.323U	<0.445U	<0.552U	<0.426U	<0.514U	<0.465U	1.5	<0.378U	0.444
Chromium	NC	NC	23	8.59	14	10.6	15.1	8.91	13.8	10.3	11.7	11.8
Lead	NC	400	8.14	18.4	15.4	2.37	7.19	3.45	5.25	322	34.3	19.6
Mercury	NC	0.81	0.0739	0.0276	0.0322	<0.0102U	0.0168	<0.0069U	0.0076	0.3737	0.1083	0.0205
Selenium	NC	180	<0.802U	<0.0323U	<0.445U	1.87	<0.426U	<0.514U	<0.465U	1.80B	<0.378U	<0.444U
Silver	NC	180	<1.60U	<0.644U	<0.892U	<1.10U	<0.852U	<1.03U	<0.930U	<0.851U	<0.756U	<0.889U

Analyte	NY-CP51	NY-RESRR	SS-1D	SS-2D	SS-3D	SS-4D	SS-5D
			Arsenic	NC	16	2.11	4.99
Barium	NC	400	87.7	181	76.7	78.4	84.8
Cadmium	NC	4.3	<0.624U	2.09	<0.602U	<0.468U	1.17
Chromium	NC	NC	13.5	17.9	13	15.6	28.7
Lead	NC	400	140	<b>410</b>	86.7	168	<b>512</b>
Mercury	NC	0.81	0.2533	<b>1.23</b>	0.3294	0.2609	0.1654
Selenium	NC	180	2.12	2.29	3.65	1.57	2.22
Silver	NC	180	<1.06U	3.16	<1.2U	<0.935U	<0.879U

**Volatile Organics (ug/kg)**

**Volatile Organics (ug/kg)**

Analyte			GB-1 (8-9)	GB-2 (8-9)	GB-3 (8-9)	GB-4 (8-9)	GB-5 (8-9)	GB-6 (8-10)	GB-11 (6-8)	GB-15 (6-8)	GB-16 (7-8)	GB-17 (6-8)
	NY-CP51	NY-RESRR										
1,1,1-Trichloroethane	NC	100000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	NC	26000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	NC	100000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	3600	3600	<9.48U	<8.67U	<7.60U	<8.02U	<8.80U	<10.5U	<10.6U	<13.3U	<8.36U	<6.41U
1,2-Dichlorobenzene	NC	100000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	NC	3100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	8400	8400	<9.48U	<8.67U	<7.60U	<8.02U	<8.80U	147	<10.6U	<13.3U	<8.36U	<6.41U
1,3-Dichlorobenzene	NC	49000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NC	13000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	NC	100000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethyl vinyl Ether	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	NC	100000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	60	60	<9.48U	<8.67U	<7.60U	<8.02U	<8.80U	<10.5U	<10.6U	<13.3U	<8.36U	<6.41U
Bromodichloromethane	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	NC	2400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	NC	100000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	NC	49000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	NC	100000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	1000	1000	<9.48U	<8.67U	<7.60U	<8.02U	<8.80U	<10.5U	<10.6U	<13.3U	<8.36U	<6.41U
Isopropylbenzene	2300	NC	<47.4U	<43.3U	<38.0U	<40.1U	<44.0U	<52.4U	<52.9U	<66.6U	<41.8U	<32.0U
m,p-Xylene	260	NC	<9.48U	<8.67U	<7.60U	<8.02U	<8.80U	<10.5U	<10.6U	<13.3U	12.5	<6.41U
Methyl tert-butyl Ether	930	930	<9.48U	<8.67U	<7.60U	<8.02U	<8.80U	<10.5U	<10.6U	<13.3U	<8.36U	<6.41U
Methylene chloride	NC	100000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	12000	12000	<23.7U	<21.7U	<19.0U	<20.0U	<22.0U	130	<26.5U	<33.3U	<20.9U	<16.0U
n-Butylbenzene	12000	12000	<47.4U	<43.3U	<38.0U	<40.1U	<44.0U	<52.4U	<52.9U	<66.6U	<41.8U	<32.0U
n-Propylbenzene	3900	3900	<9.48U	<8.67U	<7.60U	<8.02U	<8.80U	15.8	<10.6U	<13.3U	<8.36U	<6.41U
o-Xylene	260	NC	<9.48U	<8.67U	<7.60U	<8.02U	<8.80U	<10.5U	<10.6U	<13.3U	<8.36U	<6.41U
p-Isopropylbenzene	2300	NC	<47.4U	<43.3U	<38.0U	<40.1U	<44.0U	<52.4U	<52.9U	<66.6U	<41.8U	<32.0U
p-Isopropyltoluene	10000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	11000	11000	<9.48U	<8.67U	<7.60U	<8.02U	<8.80U	16.5	<10.6U	<13.3U	<8.36U	<6.41U
Styrene	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	5900	5900	<23.7U	<21.7U	<19.0U	<20.0U	<22.0U	<26.2U	<26.5U	<33.3U	<20.9U	<16.0U

**Volatile Organics (ug/kg)**

			GB-1 (8-9)	GB-2 (8-9)	GB-3 (8-9)	GB-4 (8-9)	GB-5 (8-9)	GB-6 (8-10)	GB-11 (6-8)	GB-15 (6-8)	GB-16 (7-8)	GB-17 (6-8)
Tetrachloroethene	NC	19000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	700	700	<9.48U	<8.67U	<7.60U	<8.02U	<8.80U	<10.5U	<10.6U	<13.3U	10.4	<6.41U
trans-1,2-Dichloroethene	NC	100000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	NC	21000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	NC	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Analyte	NY-CP51	NY-RESRR	GB-18 (6-8)	GB-19 (8-10)	GB-20 (6-8)	GB-21 (7-8)	GB-22 (8-10)	GB-23 (3-4)	GB-24 (0-12)	GBSH-1 (2.5-6)	GBSH-2 (0-3)	GBSH-3 (0-3)
			1,1,1-Trichloroethane	NC	100000	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	NC	NC	NA	NA	NA	NA	NA	NA	NA	<9.04U	NA	NA
1,1,2-Trichloroethane	NC	NC	NA	NA	NA	NA	NA	NA	NA	<9.04U	NA	NA
1,1-Dichloroethane	NC	26000	NA	NA	NA	NA	NA	NA	NA	<9.04U	NA	NA
1,1-Dichloroethene	NC	100000	NA	NA	NA	NA	NA	NA	NA	<9.04U	NA	NA
1,2,4-Trimethylbenzene	3600	3600	<15.7U	<8.82U	<7.07U	3110	<9.73U	3410	<b>15800</b>	297	63.1	<9.53U
1,2-Dichlorobenzene	NC	100000	NA	NA	NA	NA	NA	NA	NA	<22.6U	NA	NA
1,2-Dichloroethane	NC	3100	NA	NA	NA	NA	NA	NA	NA	<9.04U	NA	NA
1,2-Dichloropropane	NC	NC	NA	NA	NA	NA	NA	NA	NA	<9.04U	NA	NA
1,3,5-Trimethylbenzene	8400	8400	<15.7U	<8.82U	<7.07U	4290	<9.73U	1650	4720	116	929	778
1,3-Dichlorobenzene	NC	49000	NA	NA	NA	NA	NA	NA	NA	<22.6U	NA	NA
1,4-Dichlorobenzene	NC	13000	NA	NA	NA	NA	NA	NA	NA	<9.04U	NA	NA
2-Butanone	NC	100000	NA	NA	NA	NA	NA	NA	NA	<45.2U	NA	NA
2-Chloroethyl vinyl Ether	NC	NC	NA	NA	NA	NA	NA	NA	NA	<45.2U	NA	NA
2-Hexanone	NC	NC	NA	NA	NA	NA	NA	NA	NA	<22.6U	NA	NA
4-Methyl-2-pentanone	NC	NC	NA	NA	NA	NA	NA	NA	NA	<22.6U	NA	NA
Acetone	NC	100000	NA	NA	NA	NA	NA	NA	NA	150	NA	NA
Benzene	60	60	<15.7U	<8.82U	<7.07U	<150U	<9.73U	<158U	<104U	<9.04U	<12.6U	<9.53U
Bromodichloromethane	NC	NC	NA	NA	NA	NA	NA	NA	NA	<9.04U	NA	NA
Bromoform	NC	NC	NA	NA	NA	NA	NA	NA	NA	<22.6U	NA	NA
Bromomethane	NC	NC	NA	NA	NA	NA	NA	NA	NA	<9.04U	NA	NA
Carbon disulfide	NC	NC	NA	NA	NA	NA	NA	NA	NA	<9.04U	NA	NA
Carbon Tetrachloride	NC	2400	NA	NA	NA	NA	NA	NA	NA	<22.6U	NA	NA
Chlorobenzene	NC	100000	NA	NA	NA	NA	NA	NA	NA	<9.04U	NA	NA
Chloroethane	NC	NC	NA	NA	NA	NA	NA	NA	NA	<9.04U	NA	NA
Chloroform	NC	49000	NA	NA	NA	NA	NA	NA	NA	<9.04U	NA	NA
Chloromethane	NC	NC	NA	NA	NA	NA	NA	NA	NA	<9.04U	NA	NA
cis-1,2-Dichloroethene	NC	100000	NA	NA	NA	NA	NA	NA	NA	<9.04U	NA	NA
cis-1,3-Dichloropropene	NC	NC	NA	NA	NA	NA	NA	NA	NA	<9.04U	NA	NA
Dibromochloromethane	NC	NC	NA	NA	NA	NA	NA	NA	NA	<9.04U	NA	NA
Ethylbenzene	1000	1000	<15.7U	<8.82U	<7.07U	870	<9.73U	<158U	215	26.7	66.3	<9.53U
Isopropylbenzene	2300	NC	<78.5U	<44.1U	<35.3U	811	<48.6U	<791U	1090	<45.2U	90.1	<47.7U
m,p-Xylene	260	NC	<15.7U	<8.82U	<7.07U	202	<9.73U	<b>1940</b>	<b>10000</b>	60.1	15.1	<9.53U
Methyl tert-butyl Ether	930	930	<15.7U	<8.82U	<7.07U	<150U	<9.73U	<158U	<104U	<9.04U	<12.6U	<9.53U

**Volatile Organics (ug/kg)**

			GB-18 (6-8)	GB-19 (8-10)	GB-20 (6-8)	GB-21 (7-8)	GB-22 (8-10)	GB-23 (3-4)	GB-24 (0-12)	GBSH-1 (2.5-6)	GBSH-2 (0-3)	GBSH-3 (0-3)
Methylene chloride	NC	100000	NA	NA	NA	NA	NA	NA	NA	<22.6U	NA	NA
Naphthalene	12000	12000	<39.2U	<22.1U	<17.7U	2680	<24.3U	677	4260	<22.6U	41.1	<23.8U
n-Butylbenzene	12000	12000	<78.5U	<44.1U	<35.3U	<752U	<48.6U	<791U	<522U	<45.2U	<63.1U	<47.7U
n-Propylbenzene	3900	3900	<15.7U	<8.82U	<7.07U	1980	<9.73U	726	2390	60.3	223	<9.53U
o-Xylene	260	NC	<15.7U	<8.82U	<7.07U	<150U	<9.73U	<158U	<104U	<9.04U	<12.6U	<9.53U
p-Isopropylbenzene	2300	NC	<78.5U	<44.1U	<35.3U	2020	<48.6U	<791U	<522U		86.5	<47.7U
p-Isopropyltoluene	10000	NC	NA	NA	NA	NA	NA	NA	NA	<45.2U	NA	NA
sec-Butylbenzene	11000	11000	<15.7U	<8.82U	<7.07U	757	<9.73U	159	<104U	<9.04U	104	<9.53U
Styrene	NC	NC	NA	NA	NA	NA	NA	NA	NA	<22.6U	NA	NA
tert-Butylbenzene	5900	5900	<39.2U	<22.1U	<17.7U	<376U	<24.3U	<395U	<261U	<22.6U	<31.6U	<23.8U
Tetrachloroethene	NC	19000	NA	NA	NA	NA	NA	NA	NA	<9.04U	NA	NA
Toluene	700	700	<15.7U	<8.82U	<7.07U	<150U	<9.73U	<158U	<104U	67.1	<12.6U	<9.53U
trans-1,2-Dichloroethene	NC	100000	NA	NA	NA	NA	NA	NA	NA	<9.04U	NA	NA
trans-1,3-Dichloropropene	NC	NC	NA	NA	NA	NA	NA	NA	NA	<9.04U	NA	NA
Trichloroethene	NC	21000	NA	NA	NA	NA	NA	NA	NA	52.8	NA	NA
Trichlorofluoromethane	NC	NC	NA	NA	NA	NA	NA	NA	NA	<9.04U	NA	NA
Vinyl acetate	NC	NC	NA	NA	NA	NA	NA	NA	NA	<22.6U	NA	NA
Vinyl chloride	NC	900	NA	NA	NA	NA	NA	NA	NA	<9.04U	NA	NA

Analyte	NY-CP51	NY-RESRR	PE-1	PE-2	PE-3	PE-4	PE-5	PE-6	PE-7	PE-8	PE-10	PE-11	PE-12
1,1,1-Trichloroethane	NC	100000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	NC	26000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	NC	100000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	3600	3600	<8.12U	<8.89U	<8.53U	<10.4U	<9.05U	<b>169000</b>	2170	2510	<b>98400</b>	<b>4370</b>	750
1,2-Dichlorobenzene	NC	100000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	NC	3100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	8400	8400	<8.12U	<8.89U	<8.53U	<10.4U	<9.05U	<b>69400</b>	3330	874	<b>26700</b>	1810	626
1,3-Dichlorobenzene	NC	49000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NC	13000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	NC	100000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethyl vinyl Ether	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	NC	100000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	60	60	<8.12U	<8.89U	<8.53U	<10.4U	<9.05U	<1370U	<52.0U	<40.4U	<4290U	<32.7U	<76.5U
Bromodichloromethane	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	NC	2400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	NC	100000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**Volatile Organics (ug/kg)**

			PE-1	PE-2	PE-3	PE-4	PE-5	PE-6	PE-7	PE-8	PE-10	PE-11	PE-12
Chloroethane	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	NC	49000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	NC	100000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	1000	1000	<8.12U	<8.89U	<8.53U	<10.4U	<9.05U	<b>6220</b>	<b>2090</b>	<40.4U	<b>34100</b>	<32.7U	156
Isopropylbenzene	2300	NC	<40.6U	<44.4U	<42.7U	<51.8U	<45.2U	<6830U	985	<202U	<21500U	391	<382U
m,p-Xylene	260	NC	<8.12U	<8.89U	<8.53U	<10.4U	<9.05U	<b>37000</b>	<b>1140</b>	<b>279</b>	<b>37500</b>	<b>365</b>	<b>762</b>
Methyl tert-butyl Ether	930	930	<8.12U	<8.89U	<8.53U	<10.4U	<9.05U	<1370U	<52.0U	<40.4U	<4290U	<32.7U	<76.5U
Methylene chloride	NC	100000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	12000	12000	<20.3U	<22.2U	<21.3U	<25.9U	<22.6U	<b>17900</b>	2750	308	<10700U	547	319
n-Butylbenzene	12000	12000	<40.6U	<44.4U	<42.7U	<51.8U	<45.2U	<6830U	<260U	<202U	<21500U	<164U	<382U
n-Propylbenzene	3900	3900	<8.12U	<8.89U	<8.53U	<10.4U	<9.05U	<b>21100</b>	1560	469	<b>16400</b>	622	<76.5U
o-Xylene	260	NC	<8.12U	<8.89U	<8.53U	<10.4U	<9.05U	<1370U	108	<40.4U	<4290U	<32.7U	<b>503</b>
p-Isopropylbenzene	2300	NC	<40.6U	<44.4U	<42.7U	<51.8U	<45.2U	<6830U	1080	354	<21500U	1300	<382U
p-Isopropyltoluene	10000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	11000	11000	<8.12U	<8.89U	<8.53U	<10.4U	<9.05U	4430	497	181	<4290U	537	<76.5U
Styrene	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	5900	5900	<20.3U	<22.2U	<21.3U	<25.9U	<22.6U	<3420U	<130U	<101U	<10700U	<81.9U	<191U
Tetrachloroethene	NC	19000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	700	700	<8.12U	<8.89U	<8.53U	<10.4U	<9.05U	<1370U	<52.0U	<40.4U	<4290U	<32.7U	171
trans-1,2-Dichloroethene	NC	100000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	NC	21000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	NC	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Analyte			PE-13	PE-14	PE-15	PE-16	PE-17	PE-18	PE-19	PE-20	PE-21	PE-22
	<b>NY-CP51</b>	<b>NY-RESRR</b>										
1,1,1-Trichloroethane	NC	100000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	NC	26000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	NC	100000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	3600	3600	61.9	15.4	<9.33U	<9.59U	30.7	<69.5U	<11.6U	250	<b>93200</b>	153
1,2-Dichlorobenzene	NC	100000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	NC	3100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	8400	8400	85.6	11.4	<9.33U	<9.59U	78.4	<69.5U	<11.6U	135	<b>29500</b>	113
1,3-Dichlorobenzene	NC	49000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NC	13000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	NC	100000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethyl vinyl Ether	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**Volatile Organics (ug/kg)**

			PE-13	PE-14	PE-15	PE-16	PE-17	PE-18	PE-19	PE-20	PE-21	PE-22
2-Hexanone	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	NC	100000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	60	60	<17.2U	<9.65U	<9.33U	<9.59U	<7.16U	<69.5U	<11.6U	<12.9U	<14600U	<11.5U
Bromodichloromethane	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	NC	2400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	NC	100000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	NC	49000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	NC	100000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	1000	1000	<17.2U	<9.65U	<9.33U	<9.59U	<7.16U	<69.5U	<11.6U	34.6	<b>20200</b>	23
Isopropylbenzene	2300	NC	<86.1U	<48.2U	<46.7U	<47.9U	<35.8U	<348U	<58.1U	<64.4U	<73000U	<57.4U
m,p-Xylene	260	NC	82.5	15.7	<9.33U	<9.59U	41.2	<69.5U	<11.6U	<b>360</b>	<b>559000</b>	167
Methyl tert-butyl Ether	930	930	<17.2U	<9.65U	<9.33U	<9.59U	<7.16U	<69.5U	<11.6U	<12.9U	<14600U	<11.5U
Methylene chloride	NC	100000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	12000	12000	<43.0U	<24.1U	<23.3U	<24.0U	<17.9U	<174U	49.4	73.2	<36500U	365
n-Butylbenzene	12000	12000	<86.1U	<48.2U	<46.7U	<47.9U	<35.8U	<348U	<58.1U	<64.4U	<73000U	<57.4U
n-Propylbenzene	3900	3900	<17.2U	<9.65U	<9.33U	<9.59U	<7.16U	<69.5U	<11.6U	39.6	<14600U	41.9
o-Xylene	260	NC	42.2	<9.65U	<9.33U	<9.59U	19.5	<69.5U	<11.6U	<12.9U	<14600U	<11.5U
p-Isopropylbenzene	2300	NC	<86.1U	<48.2U	<46.7U	<47.9U	<35.8U	<348U	<58.1U	<64.4U	<73000U	<57.4U
p-Isopropyltoluene	10000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	11000	11000	<17.2U	<9.65U	<9.33U	<9.59U	<7.16U	<69.5U	<11.6U	<12.9U	<14600U	21.4
Styrene	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	5900	5900	<43.0U	<24.1U	<23.3U	<24.0U	<17.9U	<174U	<29.0U	<32.2U	<36500U	<28.7U
Tetrachloroethene	NC	19000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	700	700	<17.2U	<9.65U	<9.33U	<9.59U	<7.16U	<69.5U	<11.6U	<12.9U	<14600U	<11.5U
trans-1,2-Dichloroethene	NC	100000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	NC	21000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	NC	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**Notes:**

1. Restricted Residential Soil Cleanup Objectives (SCOs) table 375-6.8(b) and CP-51 Table 1 from NYSDEC Remedial Program Soil Cleanup Objectives (6 New York Codes, Rules and Regulations [NYCRR] 375-6).
2. Bold and Shaded values exceed criteria from either the Restricted Residential Soil Cleanup Objectives or criteria from CP-51 Table 1.
3. NA indicates Not Analyzed.
4. NC indicates No Criteria for analyte.

TABLE 4  
2007/2008 GROUNDWATER SAMPLE RESULTS  
CORNERSTONE ENTERPRISES, PAWLING, NEW YORK

**Semivolatile Organics (ug/l)**

Analyte	NY-AWQS	GW-1	GW-2	GW-3	GW-4	GW-5	GW-6	GW-7	GW-8	GW-9	GW-10
Acenaphthene	20	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U
Acenaphthylene	NC	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U
Anthracene	50	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U
Benzo (a) anthracene	NC	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U
Benzo (a) pyrene	0	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U
Benzo (b) fluoranthene	0.002	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U
Benzo (g,h,i) perylene	NC	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U
Benzo (k) fluoranthene	0.002	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U
Chrysene	0.002	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U
Dibenz (a,h) anthracene	NC	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U
Fluoranthene	50	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U
Fluorene	50	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U
Indeno (1,2,3-cd) pyrene	0.002	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U
Napthalene	10	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	130	<10.0U
Phenanthrene	50	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U
Pyrene	50	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U

**Total Metals (ug/l)**

Analyte	NY-AWQS	GW-1	GW-2	GW-3	GW-4	GW-5	GW-6	GW-7	GW-8	GW-9	GW-10
Arsenic	25	<0.005U	0.008	<0.005U	0.013	0.007	<0.005U	0.025	0.025	<0.005U	0.018
Barium	1000	0.182	0.806	0.418	0.537	0.175	0.193	2.61	3.41	0.325	0.583
Cadmium	5	<0.005U	<0.005U	<0.005U	<0.005U	<0.005U	<0.005U	<0.005U	<0.005U	<0.005U	0.005
Chromium	50	<0.010U	<0.010U	0.012	0.057	<0.010U	<0.010U	0.067	0.124	<0.010U	0.047
Lead	25	0.075	0.033	0.063	0.134	0.258	0.056	0.172	0.065	0.08	0.636
Mercury	0.7	<0.0002U	<0.0002U	<0.0002U	<0.0002U	<0.0002U	<0.0002U	<0.0002U	<0.0002U	<0.0002U	<0.0002U
Selenium	10	0.007	0.007	0.006	<0.005U	<0.005U	<0.005U	<0.005U	0.006	<0.005U	<0.005U
Silver	50	<0.010U	<0.010U	<0.010U	<0.010U	<0.010U	<0.010U	<0.010U	<0.010U	<0.010U	<0.010U

**Volatile Organics (ug/l)**

Analyte	NY-AWQS	GW-1	GW-2	GW-3	GW-4	GW-5	GW-6	GW-7	GW-8	GW-9	GW-10
1,1,1-Trichloroethane	5	<2.00U	<2.00U	<2.00U	<2.00U	<2.00U	<20.0U	<2.00U	<2.00U	<20.0U	<20.0U
1,1,2,2-Tetrachloroethane	5	<2.00U	<2.00U	<2.00U	<2.00U	<2.00U	<20.0U	<2.00U	<2.00U	<20.0U	<20.0U
1,1,2-Trichloroethane	1	<2.00U	<2.00U	<2.00U	<2.00U	<2.00U	<20.0U	<2.00U	<2.00U	<20.0U	<20.0U
1,1,-Dichloroethane	5	<2.00U	<2.00U	<2.00U	<2.00U	<2.00U	<20.0U	<2.00U	<2.00U	<20.0U	<20.0U
1,1-Dichloroethene	5	<2.00U	<2.00U	<2.00U	<2.00U	<2.00U	<20.0U	<2.00U	<2.00U	<20.0U	<20.0U
1,2-Dichlorobenzene	3	<2.00U	<2.00U	<2.00U	<2.00U	<2.00U	<20.0U	<2.00U	<2.00U	<20.0U	<20.0U
1,2-Dichloroethane	0.6	<2.00U	<2.00U	<2.00U	<2.00U	<2.00U	<20.0U	<2.00U	<2.00U	<20.0U	<20.0U
1,2-Dichloropropane	1	<2.00U	<2.00U	<2.00U	<2.00U	<2.00U	<20.0U	<2.00U	<2.00U	<20.0U	<20.0U
1,3-Dichlorobenzene	3	<2.00U	<2.00U	<2.00U	<2.00U	<2.00U	<20.0U	<2.00U	<2.00U	<20.0U	<20.0U
1,4-Dichlorobenzene	3	<2.00U	<2.00U	<2.00U	<2.00U	<2.00U	<20.0U	<2.00U	<2.00U	<20.0U	<20.0U
2-Butanone	50	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<100U	<10.0U	<10.0U	<100U	<100U
2-Chloroethyl vinyl Ether	NC	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<100U	<10.0U	<10.0U	<100U	<100U
2-Hexanone	50	<5.00U	<5.00U	<5.00U	<5.00U	<5.00U	<50.0U	<5.00U	<5.00U	<50.0U	<50.0U
4-Methyl-2-pentanone	NC	<5.00U	<5.00U	<5.00U	<5.00U	<5.00U	<50.0U	<5.00U	<5.00U	<50.0U	<50.0U
Acetone	50	<10.0U	<10.0U	<10.0U	<10.0U	<10.0U	<100U	<10.0U	<10.0U	<100U	<100U
Benzene	1	<0.700U	<0.700U	<0.700U	<0.700U	<0.700U	<7.00U	<b>1.56</b>	<0.700U	<b>7.65</b>	<7.00U
Bromodichloromethane	50	<2.00U	<2.00U	<2.00U	<2.00U	<2.00U	<20.0U	<2.00U	<2.00U	<20.0U	<20.0U
Bromoform	50	<5.00U	<5.00U	<5.00U	<5.00U	<5.00U	<50.0U	<5.00U	<5.00U	<50.0U	<50.0U
Bromomethane	5	<2.00U	<2.00U	<2.00U	<2.00U	<2.00U	<20.0U	<2.00U	<2.00U	<20.0U	<20.0U
Carbon disulfide	60	<5.00U	<5.00U	<5.00U	<5.00U	<5.00U	<50.0U	<5.00U	<5.00U	<50.0U	<50.0U
Carbon Tetrachloride	5	<2.00U	<2.00U	<2.00U	<2.00U	<2.00U	<20.0U	<2.00U	<2.00U	<20.0U	<20.0U
Chlorobenzene	5	<2.00U	<2.00U	<2.00U	<2.00U	<2.00U	<20.0U	<2.00U	<2.00U	<20.0U	<20.0U
Chloroethane	5	<2.00U	<2.00U	<2.00U	<2.00U	<2.00U	<20.0U	<2.00U	<2.00U	<20.0U	<20.0U
Chloroform	7	<2.00U	<2.00U	<2.00U	<2.00U	<2.00U	<20.0U	<2.00U	<2.00U	<20.0U	<20.0U
Chloromethane	NC	<2.00U	<2.00U	<2.00U	<2.00U	<2.00U	<20.0U	<2.00U	<2.00U	<20.0U	<20.0U
cis-1,2-Dichloroethene	5	<2.00U	<2.00U	<2.00U	<2.00U	<2.00U	<20.0U	<2.00U	<2.00U	<20.0U	<20.0U
cis-1,3-Dichloropropene	0.4	<2.00U	<2.00U	<2.00U	<2.00U	<2.00U	<20.0U	<2.00U	<2.00U	<20.0U	<20.0U
Dibromochloromethane	50	<2.00U	<2.00U	<2.00U	<2.00U	<2.00U	<20.0U	<2.00U	<2.00U	<20.0U	<20.0U
Ethylbenzene	5	<2.00U	<2.00U	<2.00U	<2.00U	<2.00U	<b>113</b>	<2.00U	<2.00U	<b>809</b>	<b>662</b>
m,p-Xylene	5	<2.00U	<2.00U	<2.00U	<2.00U	<2.00U	<20.0U	<2.00U	<2.00U	<b>2900</b>	<b>1830</b>
Methylene Chloride	5	<5.00U	<5.00U	<5.00U	<5.00U	<5.00U	<50.0U	<5.00U	<5.00U	<50.0U	<50.0U
o-Xylene	5	<2.00U	<2.00U	<2.00U	<2.00U	<2.00U	<20.0U	<2.00U	<2.00U	<b>38.4</b>	<b>179</b>
Styrene	5	<5.00U	<5.00U	<5.00U	<5.00U	<5.00U	<50.0U	<5.00U	<5.00U	<50.0U	<50.0U
Tetrachloroethene	5	<2.00U	<2.00U	<2.00U	<2.00U	<2.00U	<20.0U	<2.00U	<2.00U	<20.0U	<20.0U
Toluene	5	<2.00U	<2.00U	<2.00U	<2.00U	<2.00U	<20.0U	<2.00U	<2.00U	<20.0U	<20.0U
trans-1,2-Dichloroethene	5	<2.00U	<2.00U	<2.00U	<2.00U	<2.00U	<20.0U	<2.00U	<2.00U	<20.0U	<20.0U
trans-1,3-Dichloropropene	0.4	<2.00U	<2.00U	<2.00U	<2.00U	<2.00U	<20.0U	<2.00U	<2.00U	<20.0U	<20.0U
Trichloroethene	5	<2.00U	<2.00U	<2.00U	<2.00U	<2.00U	<20.0U	<2.00U	<2.00U	<20.0U	<20.0U
Trichlorofluoromethane	5	<2.00U	<2.00U	<2.00U	<2.00U	<2.00U	<20.0U	<2.00U	<2.00U	<20.0U	<20.0U
Vinyl acetate	NC	<5.00U	<5.00U	<5.00U	<5.00U	<5.00U	<50.0U	<5.00U	<5.00U	<50.0U	<50.0U
Vinyl chloride	2	<2.00U	<2.00U	<2.00U	<2.00U	<2.00U	<20.0U	<2.00U	<2.00U	<20.0U	<20.0U

**Notes:**

1. Sample results compared to the Ambient Water Quality Standards Technical and Operation Guidance Series (TOGS) standards.
2. Bold and Shaded values exceed criteria from either the Restricted Residential Soil Cleanup Objectives or criteria from CP-51 Table 1.
4. NC indicates No Criteria for analyte.

**TABLE 5  
2011 SOIL SAMPLE RESULTS  
CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

**General Chemistry**

Analyte	NY-CP51	NY-RESRR	Units	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	DUP-4	SB-7	SB-8	SB-9	SFSS-1	SFSS-2
Cyanide, Total	NC	27	mg/kg	<5.9U	-	<1.2U	-	-	<1.3U	-	-	-	-	<6.1U	<1.1U
Solids, Total	NC	NC	%	88	76	91	71	67	81	80	87	84	73	89	88

**Notes:**

1. Restricted Residential Soil Cleanup Objectives (SCOs) table 375-6.8(b) and CP-51 Table 1 from NYSDEC Remedial Program Soil Cleanup Objectives (6 New York Codes, Rules and Regulations [NYCRR] 375-6).
2. Bold and Shaded values exceed criteria from either the Restricted Residential Soil Cleanup Objectives or criteria from CP-51 Table 1.
3. Duplicate samples shown to the right of primary sample results.
4. NC indicates No Criteria for analyte.

**TABLE 5  
2011 SOIL SAMPLE RESULTS, CONTINUED  
CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

**Organochlorine Pesticides (mg/kg)**

<b>Analyte</b>	<b>NY-CP51</b>	<b>NY-RESRR</b>	<b>SB-1</b>	<b>SB-3</b>	<b>SB-6</b>	<b>SFSS-1</b>	<b>SFSS-2</b>
4,4'-DDD	NC	13	<0.00174U	<0.00177U	<0.00188U	<0.0017U	<0.00883U
4,4'-DDE	NC	8.9	<0.00174U	<0.00177U	<0.00188U	<0.0017U	<0.00883U
4,4'-DDT	NC	7.9	<0.00326U	<0.00332U	<0.00352U	<0.0032U	<0.0166U
Aldrin	NC	0.097	<0.00174U	<0.00177U	<0.00188U	<0.0017U	<0.00883U
Alpha-BHC	NC	0.48	<0.000726U	<0.000738U	<0.000782U	<0.00071U	<0.00368U
Beta-BHC	NC	0.36	<0.00174U	<0.00177U	<0.00188U	<0.0017U	<0.00883U
Chlordane	NC	NC	<0.0142U	<0.0144U	<0.0152U	<0.0138U	<0.0718U
Delta-BHC	NC	100	<0.00174U	<0.00177U	<0.00188U	<0.0017U	<0.00883U
Dieldrin	NC	0.2	<0.00109U	<0.00111U	<0.00117U	<0.00106U	<0.00552U
Endosulfan I	NC	24	<0.00174U	<0.00177U	<0.00188U	<0.0017U	<0.00883U
Endosulfan II	NC	24	<0.00174U	<0.00177U	<0.00188U	<0.0017U	<0.00883U
Endosulfan sulfate	NC	24	<0.000726U	<0.000738U	<0.000782U	<0.00071U	<0.00368U
Endrin	NC	11	<0.000726U	<0.000738U	<0.000782U	<0.00071U	<0.00368U
Endrin ketone	NC	NC	<0.00174U	<0.00177U	<0.00188U	<0.0017U	<0.00883U
Heptachlor	NC	2.1	<0.000871U	<0.000885U	<0.000938U	<0.000852U	<0.00442U
Heptachlor epoxide	NC	NC	<0.00326U	<0.00332U	<0.00352U	<0.0032U	<0.0166U
Lindane	NC	1.3	<0.000726U	<0.000738U	<0.000782U	<0.00071U	<0.00368U
Methoxychlor	NC	NC	<0.00326U	<0.00332U	<0.00352U	<0.0032U	<0.0166U
Toxaphene	NC	NC	<0.0326U	<0.0332U	<0.0352U	<0.032U	<0.166U
trans-Chlordane	NC	NC	<0.00218U	<0.00221U	<0.00234U	<0.00213U	<0.011U

**Notes:**

1. Restricted Residential Soil Cleanup Objectives (SCOs) table 375-6.8(b) and CP-51 Table 1 from NYSDEC Remedial Program Soil Cleanup Objectives (6 New York Codes, Rules and Regulations [NYCRR] 375-6).
2. Bold and Shaded values exceed criteria from either the Restricted Residential Soil Cleanup Objectives or criteria from CP-51 Table 1.
3. Duplicate samples shown to the right of primary sample results.
4. NC indicates No Criteria for analyte.

**TABLE 5**  
**2011 SOIL SAMPLE RESULTS, CONTINUED**  
**CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

**Polychlorinated Biphenyls (mg/kg)**

<b>Analyte</b>	<b>NY-CP51</b>	<b>NY-RESRR</b>	<b>SB-1</b>	<b>SB-3</b>	<b>SB-6</b>	<b>SFSS-1</b>	<b>SFSS-2</b>
Aroclor 1016	NC	1	<0.0375U	<0.0356U	<0.0389U	<0.0365U	<0.0387U
Aroclor 1221	NC	1	<0.0375U	<0.0356U	<0.0389U	<0.0365U	<0.0387U
Aroclor 1232	NC	1	<0.0375U	<0.0356U	<0.0389U	<0.0365U	<0.0387U
Aroclor 1242	NC	1	<0.0375U	<0.0356U	<0.0389U	<0.0365U	<0.0387U
Aroclor 1248	NC	1	<0.0375U	<0.0356U	<0.0389U	<0.0365U	<0.0387U
Aroclor 1254	NC	1	<0.0375U	<0.0356U	<0.0389U	<0.0365U	<0.0387U
Aroclor 1260	NC	1	<0.0375U	<0.0356U	<0.0389U	<0.0365U	<0.0387U

**Notes:**

1. Restricted Residential Soil Cleanup Objectives (SCOs) table 375-6.8(b) and CP-51 Table 1 from NYSDEC Remedial Program Soil Cleanup Objectives (6 New York Codes, Rules and Regulations [NYCRR] 375-6).
2. Bold and Shaded values exceed criteria from either the Restricted Residential Soil Cleanup Objectives or criteria from CP-51 Table 1.
3. Duplicate samples shown to the right of primary sample results.
4. NC indicates No Criteria for analyte.

**TABLE 5**  
**2011 SOIL SAMPLE RESULTS, CONTINUED**  
**CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

Semivolatile Organic Compounds (mg/kg)

Analyte	NY-CP51 NY-RESRR		SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	SB-8	SFSS-1
	NY-CP51	NY-RESRR								
1,2,4,5-Tetrachlorobenzene	NC	NC	<0.19U	<0.22U	<0.18U	<0.24U	<0.25U	<0.21U	<0.2U	<0.19U
1,2,4-Trichlorobenzene	NC	NC	<0.19U	<0.22U	<0.18U	<0.24U	<0.25U	<0.21U	<0.2U	<0.19U
1,2-Dichlorobenzene	NC	100	<0.19U	<0.22U	<0.18U	<0.24U	<0.25U	<0.21U	<0.2U	<0.19U
1,3-Dichlorobenzene	NC	49	<0.19U	<0.22U	<0.18U	<0.24U	<0.25U	<0.21U	<0.2U	<0.19U
1,4-Dichlorobenzene	NC	13	<0.19U	<0.22U	<0.18U	<0.24U	<0.25U	<0.21U	<0.2U	<0.19U
2,4,5-Trichlorophenol	NC	NC	<0.19U	<0.22U	<0.18U	<0.24U	<0.25U	<0.21U	<0.2U	<0.19U
2,4,6-Trichlorophenol	NC	NC	<0.12U	<0.13U	<0.11U	<0.14U	<0.15U	<0.12U	<0.12U	<0.11U
2,4-Dichlorophenol	NC	NC	<0.17U	<0.2U	<0.17U	<0.21U	<0.23U	<0.19U	<0.18U	<0.17U
2,4-Dimethylphenol	NC	NC	<0.19U	<0.22U	<0.18U	<0.24U	<0.25U	<0.21U	<0.2U	<0.19U
2,4-Dinitrophenol	NC	NC	<0.93U	<1U	<0.89U	<1.1U	<1.2U	<1U	<0.95U	<0.91U
2,4-Dinitrotoluene	NC	NC	<0.19U	<0.22U	<0.18U	<0.24U	<0.25U	<0.21U	<0.2U	<0.19U
2,6-Dinitrotoluene	NC	NC	<0.19U	<0.22U	<0.18U	<0.24U	<0.25U	<0.21U	<0.2U	<0.19U
2-Chloronaphthalene	NC	NC	<0.19U	<0.22U	<0.18U	<0.24U	<0.25U	<0.21U	<0.2U	<0.19U
2-Chlorophenol	NC	NC	<0.19U	<0.22U	<0.18U	<0.24U	<0.25U	<0.21U	<0.2U	<0.19U
2-Methylnaphthalene	NC	NC	<0.23U	<0.26U	<0.22U	<0.28U	<0.3U	<0.25U	<0.24U	<0.23U
2-Methylphenol	NC	100	<0.19U	<0.22U	<0.18U	<0.24U	<0.25U	<0.21U	<0.2U	<0.19U
2-Nitroaniline	NC	NC	<0.19U	<0.22U	<0.18U	<0.24U	<0.25U	<0.21U	<0.2U	<0.19U
2-Nitrophenol	NC	NC	<0.42U	<0.47U	<0.4U	<0.51U	<0.55U	<0.45U	<0.42U	<0.41U
3,3'-Dichlorobenzidine	NC	NC	<0.19U	<0.22U	<0.18U	<0.24U	<0.25U	<0.21U	<0.2U	<0.19U
3-Methylphenol/4-Methylphenol	NC	100	<0.28U	<0.32U	<0.27U	<0.34U	<0.36U	<0.3U	<0.28U	<0.27U
3-Nitroaniline	NC	NC	<0.19U	<0.22U	<0.18U	<0.24U	<0.25U	<0.21U	<0.2U	<0.19U
4,6-Dinitro-o-cresol	NC	NC	<0.5U	<0.57U	<0.48U	<0.61U	<0.66U	<0.54U	<0.51U	<0.49U
4-Bromophenyl phenyl ether	NC	NC	<0.19U	<0.22U	<0.18U	<0.24U	<0.25U	<0.21U	<0.2U	<0.19U
4-Chloroaniline	NC	NC	<0.19U	<0.22U	<0.18U	<0.24U	<0.25U	<0.21U	<0.2U	<0.19U
4-Chlorophenyl phenyl ether	NC	NC	<0.19U	<0.22U	<0.18U	<0.24U	<0.25U	<0.21U	<0.2U	<0.19U
4-Nitroaniline	NC	NC	<0.19U	<0.22U	<0.18U	<0.24U	<0.25U	<0.21U	<0.2U	<0.19U
4-Nitrophenol	NC	NC	<0.27U	<0.31U	<0.26U	<0.33U	<0.36U	<0.29U	<0.28U	<0.27U
Acenaphthene	20	100	<0.15U	<0.18U	<0.15U	<0.19U	<0.2U	<0.17U	<0.16U	<0.15U
Acenaphthylene	100	100	<0.15U	<0.18U	<0.15U	<0.19U	<0.2U	<0.17U	<0.16U	<0.15U
Acetophenone	NC	NC	<0.19U	<0.22U	<0.18U	<0.24U	<0.25U	<0.21U	<0.2U	<0.19U
Anthracene	100	100	<0.12U	<0.13U	<0.11U	<0.14U	<0.15U	<0.12U	<0.12U	<0.11U
Benzo(a)anthracene	1	1	<0.12U	<0.13U	<0.11U	<0.14U	<0.15U	<0.12U	<0.12U	<0.11U
Benzo(a)pyrene	1	1	<0.15U	<0.18U	<0.15U	<0.19U	<0.2U	<0.17U	<0.16U	<0.15U
Benzo(b)fluoranthene	1	1	<0.12U	<0.13U	<0.11U	<0.14U	<0.15U	<0.12U	<0.12U	<0.11U
Benzo(ghi)perylene	100	100	<0.15U	<0.18U	<0.15U	<0.19U	<0.2U	<0.17U	<0.16U	<0.15U
Benzo(k)fluoranthene	0.8	3.9	<0.12U	<0.13U	<0.11U	<0.14U	<0.15U	<0.12U	<0.12U	<0.11U
Benzoic Acid	NC	NC	<0.62U	<0.71U	<0.6U	<0.76U	<0.82U	<0.68U	<0.64U	<0.62U
Benzyl Alcohol	NC	NC	<0.19U	<0.22U	<0.18U	<0.24U	<0.25U	<0.21U	<0.2U	<0.19U
Biphenyl	NC	NC	<0.44U	<0.5U	<0.42U	<0.54U	<0.58U	<0.48U	<0.45U	<0.43U
Bis(2-chloroethoxy)methane	NC	NC	<0.21U	<0.24U	<0.2U	<0.25U	<0.27U	<0.23U	<0.21U	<0.2U
Bis(2-chloroethyl)ether	NC	NC	<0.17U	<0.2U	<0.17U	<0.21U	<0.23U	<0.19U	<0.18U	<0.17U
Bis(2-chloroisopropyl)ether	NC	NC	<0.23U	<0.26U	<0.22U	<0.28U	<0.3U	<0.25U	<0.24U	<0.23U
Bis(2-Ethylhexyl)phthalate	NC	NC	<0.19U	0.21J	0.068J	0.12J	0.13J	<0.21U	0.095J	0.19
Butyl benzyl phthalate	NC	NC	<0.19U	<0.22U	<0.18U	<0.24U	<0.25U	<0.21U	<0.2U	<0.19U
Carbazole	NC	NC	<0.19U	<0.22U	<0.18U	<0.24U	<0.25U	<0.21U	<0.2U	<0.19U
Chrysene	1	3.9	<0.12U	<0.13U	<0.11U	<0.14U	<0.15U	<0.12U	<0.12U	<0.11U
Di-n-butylphthalate	NC	NC	<0.19U	<0.22U	<0.18U	<0.24U	<0.25U	<0.21U	<0.2U	<0.19U
Di-n-octylphthalate	NC	NC	<0.19U	<0.22U	<0.18U	<0.24U	<0.25U	<0.21U	<0.2U	<0.19U
Dibenzo(a,h)anthracene	0.33	0.33	<0.12U	<0.13U	<0.11U	<0.14U	<0.15U	<0.12U	<0.12U	<0.11U
Dibenzofuran	NC	59	<0.19U	<0.22U	<0.18U	<0.24U	<0.25U	<0.21U	<0.2U	<0.19U
Diethyl phthalate	NC	NC	<0.19U	<0.22U	<0.18U	<0.24U	<0.25U	<0.21U	<0.2U	<0.19U
Dimethyl phthalate	NC	NC	<0.19U	<0.22U	<0.18U	<0.24U	<0.25U	<0.21U	<0.2U	<0.19U
Fluoranthene	100	100	<0.12U	<0.13U	<0.11U	<0.14U	<0.15U	<0.12U	<0.12U	<0.11U
Fluorene	30	100	<0.19U	<0.22U	<0.18U	<0.24U	<0.25U	<0.21U	<0.2U	<0.19U
Hexachlorobenzene	NC	1.2	<0.12U	<0.13U	<0.11U	<0.14U	<0.15U	<0.12U	<0.12U	<0.11U
Hexachlorobutadiene	NC	NC	<0.19U	<0.22U	<0.18U	<0.24U	<0.25U	<0.21U	<0.2U	<0.19U
Hexachlorocyclopentadiene	NC	NC	<0.55U	<0.63U	<0.53U	<0.68U	<0.73U	<0.6U	<0.56U	<0.54U

**TABLE 5  
2011 SOIL SAMPLE RESULTS, CONTINUED  
CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

**Semivolatile Organic Compounds (continued) (mg/kg)**

Analyte	NY-CP51 NY-RESRR		SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	SB-8	SFSS-1
	NY-CP51	NY-RESRR								
Hexachloroethane	NC	NC	<0.15U	<0.18U	<0.15U	<0.19U	<0.2U	<0.17U	<0.16U	<0.15U
Indeno(1,2,3-cd)Pyrene	0.5	0.5	<0.15U	<0.18U	<0.15U	<0.19U	<0.2U	<0.17U	<0.16U	<0.15U
Isophorone	NC	NC	<0.17U	<0.2U	<0.17U	<0.21U	<0.23U	<0.19U	<0.18U	<0.17U
n-Nitrosodi-n-propylamine	NC	NC	<0.19U	<0.22U	<0.18U	<0.24U	<0.25U	<0.21U	<0.2U	<0.19U
Naphthalene	12	100	<0.19U	<0.22U	<0.18U	<0.24U	<0.25U	<0.21U	<0.2U	<0.19U
Nitrobenzene	NC	15	<0.17U	<0.2U	<0.17U	<0.21U	<0.23U	<0.19U	<0.18U	<0.17U
NitrosoDiPhenylAmine(NDPA)/DPA	NC	NC	<0.15U	<0.18U	<0.15U	<0.19U	<0.2U	<0.17U	<0.16U	<0.15U
P-Chloro-M-Cresol	NC	NC	<0.19U	<0.22U	<0.18U	<0.24U	<0.25U	<0.21U	<0.2U	<0.19U
Pentachlorophenol	NC	6.7	<0.15U	<0.18U	<0.15U	<0.19U	<0.2U	<0.17U	<0.16U	<0.15U
Phenanthrene	100	100	<0.12U	<0.13U	<0.11U	<0.14U	<0.15U	<0.12U	<0.12U	<0.11U
Phenol	NC	100	<0.19U	<0.22U	<0.18U	<0.24U	<0.25U	<0.21U	<0.2U	<0.19U
Pyrene	100	100	<0.12U	<0.13U	<0.11U	<0.14U	<0.15U	<0.12U	<0.12U	<0.11U

**Notes:**

1. Restricted Residential Soil Cleanup Objectives (SCOs) table 375-6.8(b) and CP-51 Table 1 from NYSDEC Remedial Program Soil Cleanup Objectives (6 New York Codes, Rules and Regulations [NYCRR] 375-6).
2. Bold and Shaded values exceed criteria from either the Restricted Residential Soil Cleanup Objectives or criteria from CP-51 Table 1.
3. Duplicate samples shown to the right of primary sample results.
4. NC indicates No Criteria for analyte.

**TABLE 5**  
**2011 SOIL SAMPLE RESULTS, CONTINUED**  
**CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

**Metals (mg/kg)**

Analyte	NY-CP51	NY-RESRR	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	SFSS-1	SFSS-2
Aluminum, Total	NC	NC	9200	21000	19000	14000	16000	14000	6500	16000
Antimony, Total	NC	NC	0.8J	1J	1.1J	<5.3U	2.1J	1.3J	<4U	1.3J
Arsenic, Total	NC	16	2.4	2.6	2.3	2.2	2.2	5.9	1.4	7.4
Barium, Total	NC	400	20	67	79	59	46	55	8.2	53
Beryllium, Total	NC	72	0.29	0.84	0.41J	0.41J	0.55	0.47	0.17J	0.53
Cadmium, Total	NC	4.3	0.07J	<0.98U	0.08J	<1U	0.1J	0.18J	0.06J	0.25J
Calcium, Total	NC	NC	100000	3800	3800	6200	2900	28000	180000	24000
Chromium, Total	NC	NC	9.4	25	22	15	18	16	6.6	15
Cobalt, Total	NC	NC	4.5	11	14	6.7	8.8	12	2.6	14
Copper, Total	NC	270	9.1	14	24	9.2	11	23	6.2	28
Iron, Total	NC	NC	12000	26000	29000	17000	21000	26000	6400	29000
Lead, Total	NC	400	8.2	9.8	8.5	6.7	7.2	23	2.2J	17
Magnesium, Total	NC	NC	64000	9000	14000	11000	7100	22000	100000	21000
Manganese, Total	NC	2000	190	260	260	180	210	560	200	750
Mercury, Total	NC	0.81	<0.09U	0.04J	<0.09U	<0.1U	0.03J	<0.08U	<0.09U	<0.08U
Nickel, Total	NC	310	8.8	26	32	14	19	22	5.8	26
Potassium, Total	NC	NC	1300	2500	6400	1200	1100	3600	2200	2000
Selenium, Total	NC	180	<0.78U	0.54J	<1.7U	<2.1U	1.5J	<0.88U	<1.6U	<1.7U
Silver, Total	NC	180	<0.39U	<0.98U	<0.87U	<1U	<1U	0.08J	<0.81U	<0.83U
Sodium, Total	NC	NC	160	880	640	380	130J	250	100J	250
Thallium, Total	NC	NC	0.81	1.2J	1.9	1.1J	0.77J	1.8	0.7J	1.5J
Vanadium, Total	NC	NC	14	29	37	20	24	22	8.3	16
Zinc, Total	NC	10000	21	48	54	33	40	70	4.5	83

**Notes:**

1. Restricted Residential Soil Cleanup Objectives (SCOs) table 375-6.8(b) and CP-51 Table 1 from NYSDEC Remedial Program Soil Cleanup Objectives (6 New York Codes, Rules and Regulations [NYCRR] 375-6).
2. Bold and Shaded values exceed criteria from either the Restricted Residential Soil Cleanup Objectives or criteria from CP-51 Table 1.
3. Duplicate samples shown to the right of primary sample results.
4. NC indicates No Criteria for analyte.

**TABLE 5**  
**2011 SOIL SAMPLE RESULTS, CONTINUED**  
**CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

**Volatile Organic Compounds (mg/kg)**

Analyte	NY-CP51 NY-RESRR		DUP-4	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	DUP-4	SB-7	SB-8	SB-9	SFSS-1	SFSS-2
	NC	NC													
1,1,1,2-Tetrachloroethane	NC	NC	<0.0031U	<0.0028U	<0.0033U	<0.0027U	<0.0035U	<0.0037U	<0.0031U	<0.0031U	<0.029U	<0.003U	<0.0034U	<0.0028U	<0.0028U
1,1,1-Trichloroethane	NC	100	<0.0031U	<0.0028U	<0.0033U	<0.0027U	<0.0035U	<0.0037U	<0.0031U	<0.0031U	<0.029U	<0.003U	<0.0034U	<0.0028U	<0.0028U
1,1,2,2-Tetrachloroethane	NC	NC	<0.0031U	<0.0028U	<0.0033U	<0.0027U	<0.0035U	<0.0037U	<0.0031U	<0.0031U	<0.029U	<0.003U	<0.0034U	<0.0028U	<0.0028U
1,1,2-Trichloroethane	NC	NC	<0.0047U	<0.0043U	<0.0049U	<0.0041U	<0.0053U	<0.0056U	<0.0046U	<0.0047U	<0.043U	<0.0045U	<0.0051U	<0.0042U	<0.0043U
1,1-Dichloroethane	NC	26	<0.0047U	<0.0043U	<0.0049U	<0.0041U	<0.0053U	<0.0056U	<0.0046U	<0.0047U	<0.043U	<0.0045U	<0.0051U	<0.0042U	<0.0043U
1,1-Dichloroethene	NC	100	<0.0031U	<0.0028U	<0.0033U	<0.0027U	<0.0035U	<0.0037U	<0.0031U	<0.0031U	<0.029U	<0.003U	<0.0034U	<0.0028U	<0.0028U
1,1-Dichloropropene	NC	NC	<0.016U	<0.014U	<0.016U	<0.014U	<0.018U	<0.019U	<0.015U	<0.016U	<0.14U	<0.015U	<0.017U	<0.014U	<0.014U
1,2,3-Trichloropropane	NC	NC	<0.016U	<0.014U	<0.016U	<0.014U	<0.018U	<0.019U	<0.015U	<0.016U	<0.14U	<0.015U	<0.017U	<0.014U	<0.014U
1,2,3-Trichloropropene	NC	NC	<0.031U	<0.028U	<0.033U	<0.027U	<0.035U	<0.037U	<0.031U	<0.031U	<0.29U	<0.03U	<0.034U	<0.028U	<0.028U
1,2,4,5-Tetramethylbenzene	NC	NC	<0.012U	<0.011U	<0.013U	<0.011U	<0.014U	<0.015U	0.00074J	<0.012U	0.51	<0.012U	<0.014U	<0.011U	<0.011U
1,2,4-Trichlorobenzene	NC	NC	<0.016U	<0.014U	<0.016U	<0.014U	<0.018U	<0.019U	<0.015U	<0.016U	<0.14U	<0.015U	<0.017U	<0.014U	<0.014U
1,2,4-Trimethylbenzene	3.6	52	<0.016U	<0.014U	<0.016U	<0.014U	<0.018U	<0.019U	0.0047J	<0.016U	0.049J	<0.015U	<0.017U	<0.014U	<0.014U
1,2-Dibromo-3-chloropropane	NC	NC	<0.016U	<0.014U	<0.016U	<0.014U	<0.018U	<0.019U	<0.015U	<0.016U	<0.14U	<0.015U	<0.017U	<0.014U	<0.014U
1,2-Dibromoethane	NC	NC	<0.012U	<0.011U	<0.013U	<0.011U	<0.014U	<0.015U	<0.012U	<0.012U	<0.11U	<0.012U	<0.014U	<0.011U	<0.011U
1,2-Dichlorobenzene	NC	100	<0.016U	<0.014U	<0.016U	<0.014U	<0.018U	<0.019U	<0.015U	<0.016U	<0.14U	<0.015U	<0.017U	<0.014U	<0.014U
1,2-Dichloroethane	NC	3.1	<0.0031U	<0.0028U	<0.0033U	<0.0027U	<0.0035U	<0.0037U	<0.0031U	<0.0031U	<0.029U	<0.003U	<0.0034U	<0.0028U	<0.0028U
1,2-Dichloropropane	NC	NC	<0.011U	<0.0099U	<0.012U	<0.0096U	<0.012U	<0.013U	<0.011U	<0.011U	<0.1U	<0.01U	<0.012U	<0.0098U	<0.0099U
1,3,5-Trimethylbenzene	8.4	52	<0.016U	<0.014U	<0.016U	<0.014U	<0.018U	<0.019U	<0.002J	<0.016U	0.3	<0.015U	<0.017U	<0.014U	<0.014U
1,3-Dichlorobenzene	NC	49	<0.016U	<0.014U	<0.016U	<0.014U	<0.018U	<0.019U	<0.015U	<0.016U	<0.14U	<0.015U	<0.017U	<0.014U	<0.014U
1,3-Dichloropropane	NC	NC	<0.016U	<0.014U	<0.016U	<0.014U	<0.018U	<0.019U	<0.015U	<0.016U	<0.14U	<0.015U	<0.017U	<0.014U	<0.014U
1,4-Dichlorobenzene	NC	13	<0.016U	<0.014U	<0.016U	<0.014U	<0.018U	<0.019U	<0.015U	<0.016U	<0.14U	<0.015U	<0.017U	<0.014U	<0.014U
1,4-Dichloropropene	NC	NC	<0.0019J	<0.011U	<0.013U	<0.011U	<0.014U	<0.015U	0.0037J	<0.0019J	1.3	<0.012U	<0.014U	<0.011U	<0.011U
2,2-Dichloropropane	NC	NC	<0.016U	<0.014U	<0.016U	<0.014U	<0.018U	<0.019U	<0.015U	<0.016U	<0.14U	<0.015U	<0.017U	<0.014U	<0.014U
2-Butanone	NC	100	<0.031U	<0.028U	<0.033U	<0.027U	0.028J	<0.037U	<0.031U	<0.031U	<0.29U	<0.03U	<0.034U	<0.028U	<0.028U
2-Hexanone	NC	NC	<0.031U	<0.028U	<0.033U	<0.027U	<0.035U	<0.037U	<0.031U	<0.031U	<0.29U	<0.03U	<0.034U	<0.028U	<0.028U
4-Ethyltoluene	NC	NC	<0.012U	<0.011U	<0.013U	<0.011U	<0.014U	<0.015U	0.00053J	<0.012U	<0.11U	<0.012U	<0.014U	<0.011U	<0.011U
4-Methyl-2-pentanone	NC	NC	<0.031U	<0.028U	<0.033U	<0.027U	<0.035U	<0.037U	<0.031U	<0.031U	<0.29U	<0.03U	<0.034U	<0.028U	<0.028U
Acetone	NC	100	<0.031U	<0.028U	<0.033U	<0.027U	0.12	<0.037U	<0.031U	<0.031U	<0.29U	<0.03U	<0.034U	<0.028U	<0.028U
Acrylonitrile	NC	NC	<0.031U	<0.028U	<0.033U	<0.027U	<0.035U	<0.037U	<0.031U	<0.031U	<0.29U	<0.03U	<0.034U	<0.028U	<0.028U
Benzene	0.06	4.8	<0.0031U	<0.0028U	<0.0033U	<0.0027U	<0.0035U	<0.0037U	<0.0031U	<0.0031U	<0.029U	<0.003U	<0.0034U	<0.0028U	<0.0028U
Bromobenzene	NC	NC	<0.016U	<0.014U	<0.016U	<0.014U	<0.018U	<0.019U	<0.015U	<0.016U	<0.14U	<0.015U	<0.017U	<0.014U	<0.014U
Bromochloromethane	NC	NC	<0.016U	<0.014U	<0.016U	<0.014U	<0.018U	<0.019U	<0.015U	<0.016U	<0.14U	<0.015U	<0.017U	<0.014U	<0.014U
Bromodichloromethane	NC	NC	<0.0031U	<0.0028U	<0.0033U	<0.0027U	<0.0035U	<0.0037U	<0.0031U	<0.0031U	<0.029U	<0.003U	<0.0034U	<0.0028U	<0.0028U
Bromoform	NC	NC	<0.012U	<0.011U	<0.013U	<0.011U	<0.014U	<0.015U	<0.012U	<0.012U	<0.11U	<0.012U	<0.014U	<0.011U	<0.011U
Bromomethane	NC	NC	<0.0062U	<0.0057U	<0.0066U	<0.0055U	<0.007U	<0.0075U	<0.0062U	<0.0062U	<0.057U	<0.006U	<0.0068U	<0.0056U	<0.0057U
Carbon disulfide	NC	NC	<0.031U	<0.028U	<0.033U	<0.027U	<0.035U	<0.037U	<0.031U	<0.031U	<0.29U	<0.03U	<0.034U	<0.028U	<0.028U
Carbon tetrachloride	NC	2.4	<0.0031U	<0.0028U	<0.0033U	<0.0027U	<0.0035U	<0.0037U	<0.0031U	<0.0031U	<0.029U	<0.003U	<0.0034U	<0.0028U	<0.0028U
Chlorobenzene	NC	100	<0.0031U	<0.0028U	<0.0033U	<0.0027U	<0.0035U	<0.0037U	<0.0031U	<0.0031U	<0.029U	<0.003U	<0.0034U	<0.0028U	<0.0028U
Chloroethane	NC	NC	<0.0062U	<0.0057U	<0.0066U	<0.0055U	<0.007U	<0.0075U	<0.0062U	<0.0062U	<0.057U	<0.006U	<0.0068U	<0.0056U	<0.0057U
Chloroform	NC	49	<0.0047U	<0.0043U	<0.0049U	<0.0041U	<0.0053U	<0.0056U	<0.0046U	<0.0047U	<0.043U	<0.0045U	<0.0051U	<0.0042U	<0.0043U
Chloromethane	NC	NC	<0.016U	<0.014U	<0.016U	<0.014U	<0.018U	<0.019U	<0.015U	<0.016U	<0.14U	<0.015U	<0.017U	<0.014U	<0.014U
cis-1,2-Dichloroethane	NC	100	<0.0031U	<0.0028U	<0.0033U	<0.0027U	<0.0035U	<0.0037U	<0.0031U	<0.0031U	<0.029U	<0.003U	<0.0034U	<0.0028U	<0.0028U
cis-1,3-Dichloropropene	NC	NC	<0.0031U	<0.0028U	<0.0033U	<0.0027U	<0.0035U	<0.0037U	<0.0031U	<0.0031U	<0.029U	<0.003U	<0.0034U	<0.0028U	<0.0028U
Dibromochloromethane	NC	NC	<0.0031U	<0.0028U	<0.0033U	<0.0027U	<0.0035U	<0.0037U	<0.0031U	<0.0031U	<0.029U	<0.003U	<0.0034U	<0.0028U	<0.0028U
Dibromomethane	NC	NC	<0.031U	<0.028U	<0.033U	<0.027U	<0.035U	<0.037U	<0.031U	<0.031U	<0.29U	<0.03U	<0.034U	<0.028U	<0.028U
Dichlorodifluoromethane	NC	NC	<0.031U	<0.028U	<0.033U	<0.027U	<0.035U	<0.037U	<0.031U	<0.031U	<0.29U	<0.03U	<0.034U	<0.028U	<0.028U
Ethyl ether	NC	NC	<0.016U	<0.014U	<0.016U	<0.014U	<0.018U	<0.019U	<0.015U	<0.016U	<0.14U	<0.015U	<0.017U	<0.014U	<0.014U
Ethylbenzene	1	41	<0.0031U	<0.0028U	<0.0033U	<0.0027U	<0.0035U	<0.0037U	<0.0031U	<0.0031U	<0.029U	<0.003U	<0.0034U	<0.0028U	<0.0028U
Hexachlorobutadiene	NC	NC	<0.016U	<0.014U	<0.016U	<0.014U	<0.018U	<0.019U	<0.015U	<0.016U	<0.14U	<0.015U	<0.017U	<0.014U	<0.014U
Isopropylbenzene	2.3	NC	0.0017J	<0.0028U	<0.0033U	<0.0027U	<0.0035U	<0.0037U	0.0018J	0.0017J	<0.18	<0.003U	<0.0034U	<0.0028U	<0.0028U
Methyl tert butyl ether	0.93	100	<0.0062U	<0.0057U	<0.0066U	<0.0055U	<0.007U	<0.0075U	<0.0062U	<0.0062U	<0.057U	<0.006U	<0.0068U	<0.0056U	<0.0057U
Methylene chloride	NC	100	<0.031U	<0.028U	<0.033U	<0.027U	<0.035U	<0.037U	<0.031U	<0.031U	<0.29U	<0.03U	<0.034U	<0.028U	<0.028U
n-Butylbenzene	12	100	<0.0031U	<0.0028U	<0.0033U	<0.0027U	<0.0035U	<0.0037U	<0.0031U	<0.0031U	<0.029U	<0.003U	<0.0034U	<0.0028U	<0.0028U
n-Propylbenzene	3.9	100	0.0031	<0.0028U	<0.0033U	<0.0027U	<0.0035U	<0.0037U	0.0034	0.0031	0.47	<0.003U	<0.0034U	<0.0028U	<0.0028U
Naphthalene	12	100	<0.016U	<0.014U	<0.016U	<0.014U	<0.018U	<0.019U	<0.015U	<0.016U	0.71	<0.015U	<0.017U	<0.014U	<0.014U
o-Chlorotoluene	NC	NC	<0.016U	<0.014U	<0.016U	<0.014U	<0.018U	<0.019U	<0.015U	<0.016U	<0.14U	<0.015U	<0.017U	<0.014U	<0.014U
o-Xylene	0.26	NC	<0.0062U	<0.0057U	<0.0066U	<0.0055U	<0.007U	<0.0075U	<0.0062U	<0.0062U	<0.057U	<0.006U	<0.0068U	<0.0056U	<0.0057U
p-Chlorotoluene	NC	NC	<0.016U	<0.014U	<0.016U	<0.014U	<0.018U	<0.019U	<0.015U	<0.016U	<0.14U	<0.015U	<0.017U	<0.014U	<0.014U
p-Isopropyltoluene	10	NC	<0.0031U	<0.0028U	<0.0033U	<0.0027U	<0.0035U	<0.0037U	<0.0031U	<0.0031U	<0.29	<0.003U	<0.0034U	<0.0028U	<0.0028U
p/m-Xylene	0.26	NC	<0.0062U												

**TABLE 6**  
**2011 FILL SAMPLE RESULTS**  
**CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

**General Chemistry (mg/kg)**

<b>Analyte</b>	<b>NY-RESRR</b>	<b>Groundwater Protection</b>	GRAB-1	GRAB-2	GRAB-3	GRAB-4	GRAB-5
			Solids, Total	NC	NC	67	86

	<b>NY-RESRR</b>	<b>Groundwater Protection</b>	GRAB-6	DUP-2	RPF-COMP-1	DUP-1	RPF-COMP-2
			Solids, Total	NC	NC	86	85
Cyanide, Total	40	27	-	-	<5.9U	<1U	<5.5U
Chromium, Hexavalent	19	110	-	-	<0.94U	<1.3U	<0.9U

Notes:

1. Fill samples collected are compared to Restricted Residential SCOs and Groundwater Protection SCOs according to 375-6.8(d).
2. Values bolded and shaded exceed Restricted Residential SCOs and groundwater protection SCO criteria.
3. Duplicate samples shown to the right of primary sample results.
4. NC indicates No Criteria for analyte.

**TABLE 6**  
**2011 FILL SAMPLE RESULTS, CONTINUED**  
**CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

**Organochlorine Pesticides (mg/kg)**

Analyte	Restricted Residential	Groundwater Protection	RPF-COMP-1	DUP-1	RPF-COMP-2
Delta-BHC	0.25	100	<0.00183U	<0.00996U	0.00177
Lindane	0.1	1.3	<0.000764U	<0.00996U	0.000738
Alpha-BHC	0.02	0.48	<0.000764U	<0.0187U	0.000738
Beta-BHC	0.09	0.36	<0.00183U	<0.00996U	0.00177
Heptachlor	0.38	2.1	<0.000917U	<0.00415U	0.000885
Aldrin	0.19	0.097	<0.00183U	<0.00996U	0.00177
Heptachlor epoxide	0.02	NC	<0.00344U	<0.0809U	0.00332
Endrin	0.06	11	<0.000764U	<0.00996U	0.000738
Endrin ketone	NC	NC	<0.00183U	<0.00622U	0.00177
Dieldrin	0.1	0.2	<0.00114U	<0.00996U	0.00111
4,4'-DDE	17	8.9	<0.00183U	<0.00996U	0.00177
4,4'-DDD	14	13	<0.00183U	<0.00415U	0.00177
4,4'-DDT	136	7.9	<0.00344U	<0.00415U	0.00332
Endosulfan I	102	24	<0.00183U	<0.00996U	0.00177
Endosulfan II	102	24	<0.00183U	<0.00498U	0.00177
Endosulfan sulfate	1000	24	<0.000764U	<0.0187U	0.000738
Methoxychlor	900	NC	<0.00344U	<0.00415U	0.00332
Toxaphene	NC	NC	<0.0344U	<0.0187U	0.0332
trans-Chlordane	14	NC	<0.00229U	<0.187U	0.00221
Chlordane	NC	NC	<0.0149U	<0.0124U	0.0144

Notes:

1. Fill samples collected are compared to Restricted Residential SCOs and Groundwater Protection SCOs according to 375-6.8(d).
2. Values bolded and shaded exceed Restricted Residential SCOs and groundwater protection SCO criteria.
3. Duplicate samples shown to the right of primary sample results.
4. NC indicates No Criteria for analyte.

**TABLE 6**  
**2011 FILL SAMPLE RESULTS, CONTINUED**  
**CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

**Polychlorinated Biphenyls (mg/kg)**

<b>Analyte</b>	<b>Restricted Residential</b>	<b>Groundwater Protection</b>	<b>RPF-COMP-1</b>	<b>DUP-1</b>	<b>RPF-COMP-2</b>
Aroclor 1016	3.2	1	<0.0394U	<0.0401U	<0.0356U
Aroclor 1221	3.2	1	<0.0394U	<0.0401U	<0.0356U
Aroclor 1232	3.2	1	<0.0394U	<0.0401U	<0.0356U
Aroclor 1242	3.2	1	<0.0394U	<0.0401U	<0.0356U
Aroclor 1248	3.2	1	<0.0394U	<0.0401U	<0.0356U
Aroclor 1254	3.2	1	<0.0394U	<0.0401U	<0.0356U
Aroclor 1260	3.2	1	<0.0394U	<0.0401U	<0.0356U

Notes:

1. Fill samples collected are compared to Restricted Residential SCOs and Groundwater Protection SCOs according to 375-6.8(d).
2. Values bolded and shaded exceed Restricted Residential SCOs and groundwater protection SCO criteria.
3. Duplicate samples shown to the right of primary sample results.
4. NC indicates No Criteria for analyte.

**TABLE 6**  
**2011 FILL SAMPLE RESULTS, CONTINUED**  
**CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

**Semivolatile Organic Compounds (mg/kg)**

	<b>Restricted Residential</b>	<b>Groundwater Protection</b>	<b>RPF-COMP-1</b>	<b>DUP-1</b>	<b>RPF-COMP-2</b>
Acenaphthene	98	100	<0.16U	<1U	<0.15U
1,2,4-Trichlorobenzene	3.4	NC	<0.2U	<1U	<0.18U
Hexachlorobenzene	1.4	1.2	<0.12U	<1U	<0.11U
Bis(2-chloroethyl)ether	NC	NC	<0.18U	<1U	<0.17U
2-Chloronaphthalene	NC	NC	<0.2U	<1U	<0.18U
1,2-Dichlorobenzene	1.1	100	<0.2U	<1U	<0.18U
1,3-Dichlorobenzene	2.4	49	<0.2U	<0.61U	<0.18U
1,4-Dichlorobenzene	1.8	13	<0.2U	<0.92U	<0.18U
3,3'-Dichlorobenzidine	NC	NC	<0.2U	<1U	<0.18U
2,4-Dinitrotoluene	NC	NC	<0.2U	<4.9U	<0.18U
2,6-Dinitrotoluene	0.17	NC	<0.2U	<1U	<0.18U
Fluoranthene	1000	100	1.2	<1U	<0.11U
4-Chlorophenyl phenyl ether	NC	NC	<0.2U	<1U	<0.18U
4-Bromophenyl phenyl ether	NC	NC	<0.2U	<1U	<0.18U
Bis(2-chloroisopropyl)ether	NC	NC	<0.24U	<1.2U	<0.22U
Bis(2-chloroethoxy)methane	NC	NC	<0.21U	<1U	<0.2U
Hexachlorobutadiene	NC	NC	<0.2U	<1U	<0.18U
Hexachlorocyclopentadiene	NC	NC	<0.56U	<2.2U	<0.53U
Hexachloroethane	NC	NC	<0.16U	<1U	<0.15U
Isophorone	4.4	NC	<0.18U	<1.5U	<0.17U
Naphthalene	12	100	<0.2U	<1U	<0.18U
Nitrobenzene	0.17	15	<0.18U	<2.6U	<0.17U
NitrosoDiPhenylAmine(NDPA)/DPA	NC	NC	<0.16U	<1U	<0.15U
n-Nitrosodi-n-propylamine	NC	NC	<0.2U	<1U	<0.18U
Bis(2-Ethylhexyl)phthalate	435	NC	0.5	<1U	<0.053J
Butyl benzyl phthalate	122	NC	<0.2U	<1U	<0.18U
Di-n-butylphthalate	8.1	NC	<0.2U	<1.4U	<0.18U
Di-n-octylphthalate	120	NC	<0.2U	<0.82U	<0.18U
Diethyl phthalate	NC	NC	<0.2U	<0.82U	<0.18U
Dimethyl phthalate	NC	NC	<0.2U	<1U	<0.18U
Benzo(a)anthracene	1	1	0.85	<0.61U	<0.11U
Benzo(a)pyrene	22	1	0.73	<0.61U	<0.15U
Benzo(b)fluoranthene	1.7	1	1	<0.82U	<0.11U
Benzo(k)fluoranthene	1.7	3.9	0.34	<0.61U	<0.11U
Chrysene	1	3.9	0.77	<0.82U	<0.11U
Acenaphthylene	107	100	0.22	<0.61U	<0.15U
Anthracene	1000	100	0.15	<3.3U	<0.11U
Benzo(ghi)perylene	1000	100	0.35	<1U	<0.15U
Fluorene	386	100	<0.2U	<2.3U	<0.18U
Phenanthrene	1000	100	0.26	<1.1U	<0.11U
Dibenzo(a,h)anthracene	1000	0.33	0.11J	<0.92U	<0.11U
Indeno(1,2,3-cd)Pyrene	8.2	0.5	0.43	<1.2U	<0.15U
Pyrene	1000	100	1	<0.9J	<0.11U
Biphenyl	NC	NC	<0.45U	<1U	<0.42U
4-Chloroaniline	0.22	NC	<0.2U	<1U	<0.18U
2-Nitroaniline	0.4	NC	<0.2U	<0.61U	<0.18U
3-Nitroaniline	0.5	NC	<0.2U	<1U	<0.18U
4-Nitroaniline	NC	NC	<0.2U	<1U	<0.18U

**Semivolatile Organic Compounds (continued) (mg/kg)**

**TABLE 6**  
**2011 FILL SAMPLE RESULTS, CONTINUED**  
**CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

Analyte	Restricted Residential	Groundwater Protection	RPF-COMP-1	DUP-1	RPF-COMP-2
Dibenzofuran	6.2	59	<0.2U	<0.61U	<0.18U
2-Methylnaphthalene	36.4	NC	<0.24U	<1U	<0.22U
1,2,4,5-Tetrachlorobenzene	NC	NC	<0.2U	<1U	<0.18U
Acetophenone	NC	NC	<0.2U	<1U	<0.18U
2,4,6-Trichlorophenol	NC	NC	<0.12U	<0.61U	<0.11U
P-Chloro-M-Cresol	NC	NC	<0.2U	<1U	<0.18U
2-Chlorophenol	NC	NC	<0.2U	<0.61U	<0.18U
2,4-Dichlorophenol	0.4	NC	<0.18U	<1U	<0.17U
2,4-Dimethylphenol	NC	NC	<0.2U	<2.9U	<0.18U
2-Nitrophenol	0.3	NC	<0.42U	<0.82U	<0.4U
4-Nitrophenol	0.1	NC	<0.28U	<0.82U	<0.26U
2,4-Dinitrophenol	0.2	NC	<0.95U	<0.92U	<0.89U
4,6-Dinitro-o-cresol	NC	NC	<0.51U	<1U	<0.48U
Pentachlorophenol	0.8	6.7	<0.16U	<1U	<0.15U
Phenol	0.33	100	<0.2U	<0.92U	<0.18U
2-Methylphenol	0.33	100	<0.2U	<0.82U	<0.18U
3-Methylphenol/4-Methylphenol	0.33	100	<0.28U	<1U	<0.27U
2,4,5-Trichlorophenol	0.1	NC	<0.2U	<0.82U	<0.18U
Benzoic Acid	2.7	NC	<0.64U	<0.61U	<0.6U
Benzyl Alcohol	NC	NC	<0.2U	<1U	<0.18U
Carbazole	NC	NC	0.047J	<0.61U	<0.18U

Notes:

1. Fill samples collected are compared to Restricted Residential SCOs and Groundwater Protection SCOs according to 375-6.8(d).
2. Values bolded and shaded exceed Restricted Residential SCOs and groundwater protection SCO criteria.
3. Duplicate samples shown to the right of primary sample results.
4. NC indicates No Criteria for analyte.

**TABLE 6**  
**2011 FILL SAMPLE RESULTS, CONTINUED**  
**CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

**Metals (mg/kg)**

<b>Analyte</b>	<b>Restricted Residential</b>	<b>Groundwater Protection</b>	<b>RPF-COMP-1</b>	<b>DUP-1</b>	<b>RPF-COMP-2</b>
Aluminum, Total	NC	NC	16000	20000	3900
Antimony, Total	NC	NC	1.3J	<5U	<4.2U
Arsenic, Total	16	16	6.6	3.6	1.4
Barium, Total	820	400	59	58	8.6
Beryllium, Total	47	72	0.52	0.66	0.1J
Cadmium, Total	7.5	4.3	0.38J	1.2	0.07J
Calcium, Total	NC	NC	18000	6500	180000
Chromium, Total	NC	NC	18	20	4.6
Cobalt, Total	NC	NC	12	14	2.7
Copper, Total	1720	270	31	19	4.6
Iron, Total	NC	NC	27000	24000	5300
Lead, Total	450	400	30	29	2J
Magnesium, Total	NC	NC	17000	11000	100000
Manganese, Total	2000	2000	650	430	160
Mercury, Total	0.73	0.81	0.05J	0.04J	<0.08U
Nickel, Total	130	310	25	20	5.4
Potassium, Total	NC	NC	2200	1600	1400
Selenium, Total	4	180	<1.6U	<2U	<1.7U
Silver, Total	8.3	180	<0.83U	<1U	<0.85U
Sodium, Total	NC	NC	320	470	100J
Thallium, Total	NC	NC	1.2J	1.2J	<1.7U
Vanadium, Total	NC	NC	24	29	5.8
Zinc, Total	2480	10000	110	300	4.1J

Notes:

1. Fill samples collected are compared to Restricted Residential SCOs and Groundwater Protection SCOs according to 375-6.8(d).
2. Values bolded and shaded exceed Restricted Residential SCOs and groundwater protection SCO criteria.
3. Duplicate samples shown to the right of primary sample results.
4. NC indicates No Criteria for analyte.

**TABLE 6**  
**2011 FILL SAMPLE RESULTS, CONTINUED**  
**CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

**Volatile Organic Compounds (mg/kg)**

<b>Analyte</b>	<b>Restricted Residential</b>	<b>Groundwater Protection</b>	<b>GRAB-1</b>	<b>GRAB-2</b>	<b>GRAB-3</b>	<b>GRAB-4</b>	<b>GRAB-5</b>	<b>GRAB-6</b>	<b>DUP-2</b>
Methylene chloride	0.05	100	<0.037U	<0.029U	<0.029U	<0.03U	<0.029U	<0.029U	<0.029U
1,1-Dichloroethane	0.27	26	<0.0056U	<0.0044U	<0.0044U	<0.0045U	<0.0043U	<0.0044U	<0.0044U
Chloroform	0.37	49	<0.0056U	<0.0044U	<0.0044U	<0.0045U	<0.0043U	<0.0044U	<0.0029U
Carbon tetrachloride	0.76	2.4	<0.0037U	<0.0029U	<0.0029U	<0.003U	<0.0029U	<0.0029U	<0.0029U
1,2-Dichloropropane	NC	NC	<0.013U	<0.01U	<0.01U	<0.01U	<0.01U	<0.01U	<0.0029U
Dibromochloromethane	NC	NC	<0.0037U	<0.0029U	<0.0029U	<0.003U	<0.0029U	<0.0029U	<0.0044U
1,1,2-Trichloroethane	NC	NC	<0.0056U	<0.0044U	<0.0044U	<0.0045U	<0.0043U	<0.0044U	<0.0044U
Tetrachloroethene	1.3	19	<0.0037U	<0.0029U	<0.0029U	<0.003U	<0.0029U	<0.0029U	<0.0029U
Chlorobenzene	1.1	100	<0.0037U	<0.0029U	<0.0029U	<0.003U	<0.0029U	<0.0029U	<0.015U
Trichlorofluoromethane	NC	NC	<0.019U	<0.014U	<0.014U	<0.015U	<0.014U	<0.014U	<0.015U
1,2-Dichloroethane	0.02	3.1	<0.0037U	<0.0029U	<0.0029U	<0.003U	<0.0029U	<0.0029U	<0.029U
1,1,1-Trichloroethane	0.68	100	<0.0037U	<0.0029U	<0.0029U	<0.003U	<0.0029U	<0.0029U	<0.012U
Bromodichloromethane	NC	NC	<0.0037U	<0.0029U	<0.0029U	<0.003U	<0.0029U	<0.0029U	<0.015U
trans-1,3-Dichloropropene	NC	NC	<0.0037U	<0.0029U	<0.0029U	<0.003U	<0.0029U	<0.0029U	<0.015U
cis-1,3-Dichloropropene	NC	NC	<0.0037U	<0.0029U	<0.0029U	<0.003U	<0.0029U	<0.0029U	<0.015U
1,1-Dichloropropene	NC	NC	<0.019U	<0.014U	<0.014U	<0.015U	<0.014U	<0.014U	<0.012U
Bromoform	NC	NC	<0.015U	<0.012U	<0.012U	<0.012U	<0.011U	<0.012U	<0.015U
1,1,2,2-Tetrachloroethane	0.6	NC	<0.0037U	<0.0029U	<0.0029U	<0.003U	<0.0029U	<0.0029U	<0.0029U
Benzene	0.06	4.8	<0.0037U	<0.0029U	<0.0029U	<0.003U	<0.0029U	<0.0029U	<0.01U
Toluene	0.7	100	<0.0056U	<0.0044U	0.0056	<0.0045U	<0.0043U	<0.0044U	<0.015U
Ethylbenzene	1	41	<0.0037U	<0.0029U	<0.0029U	<0.003U	<0.0029U	<0.0029U	<0.015U
Chloromethane	NC	NC	<0.019U	<0.014U	<0.014U	<0.015U	<0.014U	<0.014U	<0.015U
Bromomethane	NC	NC	<0.0075U	<0.0058U	<0.0058U	<0.006U	<0.0057U	<0.0058U	<0.015U
Vinyl chloride	0.02	0.9	<0.0075U	<0.0058U	<0.0058U	<0.006U	<0.0057U	<0.0058U	<0.012U
Chloroethane	1.9	NC	<0.0075U	<0.0058U	<0.0058U	<0.006U	<0.0057U	<0.0058U	<0.015U
1,1-Dichloroethene	0.33	100	<0.0037U	<0.0029U	<0.0029U	<0.003U	<0.0029U	<0.0029U	<0.029U
trans-1,2-Dichloroethene	0.19	100	<0.0056U	<0.0044U	<0.0044U	<0.0045U	<0.0043U	<0.0044U	<0.029U
Trichloroethene	0.47	21	<0.0037U	<0.0029U	<0.0029U	<0.003U	<0.0029U	<0.0029U	<0.012U
1,2-Dichlorobenzene	1.1	100	<0.019U	<0.014U	<0.014U	<0.015U	<0.014U	<0.014U	<0.029U
1,3-Dichlorobenzene	2.4	49	<0.019U	<0.014U	<0.014U	<0.015U	<0.014U	<0.014U	<0.029U
1,4-Dichlorobenzene	1.8	13	<0.019U	<0.014U	<0.014U	<0.015U	<0.014U	<0.014U	<0.029U
Methyl tert butyl ether	0.93	100	<0.0075U	<0.0058U	<0.0058U	<0.006U	<0.0057U	<0.0058U	<0.0029U
p/m-Xylene	NC	NC	<0.0075U	<0.0058U	0.024	<0.006U	<0.0057U	<0.0058U	<0.015U
o-Xylene	NC	NC	<0.0075U	<0.0058U	0.016	<0.006U	<0.0057U	<0.0058U	<0.015U
cis-1,2-Dichloroethene	0.25	100	<0.0037U	<0.0029U	<0.0029U	<0.003U	<0.0029U	<0.0029U	<0.0029U
Dibromomethane	NC	NC	<0.037U	<0.029U	<0.029U	<0.03U	<0.029U	<0.029U	<0.012U
Styrene	NC	NC	<0.0075U	<0.0058U	<0.0058U	<0.006U	<0.0057U	<0.0058U	<0.0059U
Dichlorodifluoromethane	NC	NC	<0.037U	<0.029U	<0.029U	<0.03U	<0.029U	<0.029U	<0.029U
Acetone	0.05	100	<0.037U	<0.029U	0.028J	0.041	<0.029U	<0.022J	<0.0029U
Carbon disulfide	2.7	NC	<0.037U	<0.029U	0.003J	<0.03U	<0.029U	<0.029U	<0.0029U
2-Butanone	0.12	100	<0.037U	<0.029U	<0.029U	0.012J	<0.029U	<0.029U	<0.0059U
Vinyl acetate	NC	NC	<0.037U	<0.029U	<0.029U	<0.03U	<0.029U	<0.029U	<0.0044U
4-Methyl-2-pentanone	1	NC	<0.037U	<0.029U	<0.029U	<0.03U	<0.029U	<0.029U	<0.015U
1,2,3-Trichloropropane	0.34	NC	<0.037U	<0.029U	<0.029U	<0.03U	<0.029U	<0.029U	<0.0029U
2-Hexanone	NC	NC	<0.037U	<0.029U	<0.029U	<0.03U	<0.029U	<0.029U	<0.0029U
Bromochloromethane	NC	NC	<0.019U	<0.014U	<0.014U	<0.015U	<0.014U	<0.014U	<0.0029U
2,2-Dichloropropane	NC	NC	<0.019U	<0.014U	<0.014U	<0.015U	<0.014U	<0.014U	<0.029U
1,2-Dibromoethane	NC	NC	<0.015U	<0.012U	<0.012U	<0.012U	<0.011U	<0.012U	<0.029U
1,3-Dichloropropane	0.3	NC	<0.019U	<0.014U	<0.014U	<0.015U	<0.014U	<0.014U	<0.015U
1,1,1,2-Tetrachloroethane	NC	NC	<0.0037U	<0.0029U	<0.0029U	<0.003U	<0.0029U	<0.0029U	<0.0029U
Bromobenzene	NC	NC	<0.019U	<0.014U	<0.014U	<0.015U	<0.014U	<0.014U	<0.015U
n-Butylbenzene	12	100	<0.0037U	<0.0029U	<0.0029U	0.003	<0.0029U	<0.0029U	<0.0029U
sec-Butylbenzene	11	100	<0.0037U	<0.0029U	<0.0029U	0.0054	<0.0029U	<0.0029U	<0.0059U
tert-Butylbenzene	5.9	100	<0.019U	<0.014U	<0.014U	<0.015U	<0.014U	<0.014U	<0.029U
o-Chlorotoluene	NC	NC	<0.019U	<0.014U	<0.014U	<0.015U	<0.014U	<0.014U	<0.0029U
p-Chlorotoluene	NC	NC	<0.019U	<0.014U	<0.014U	<0.015U	<0.014U	<0.014U	<0.0029U
1,2-Dibromo-3-chloropropane	NC	NC	<0.019U	<0.014U	<0.014U	<0.015U	<0.014U	<0.014U	<0.015U
Hexachlorobutadiene	NC	NC	<0.019U	<0.014U	<0.014U	<0.015U	<0.014U	<0.014U	<0.015U
Isopropylbenzene	2.3	NC	<0.0037U	<0.0029U	<0.0029U	0.0068	<0.0029U	<0.0029U	<0.0059U
p-Isopropyltoluene	10	NC	<0.0037U	<0.0029U	<0.0029U	0.0027J	<0.0029U	<0.0029U	<0.015U

**TABLE 6**  
**2011 FILL SAMPLE RESULTS, CONTINUED**  
**CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

**Volatile Organic Compounds (continued) (mg/kg)**

<b>Analyte</b>	<b>Restricted Residential</b>	<b>Groundwater Protection</b>	<b>GRAB-1</b>	<b>GRAB-2</b>	<b>GRAB-3</b>	<b>GRAB-4</b>	<b>GRAB-5</b>	<b>GRAB-6</b>	<b>DUP-2</b>
Naphthalene	12	100	<0.019U	<0.014U	<0.0051J	0.0037J	<0.014U	<0.014U	<0.0029U
Acrylonitrile	NC	NC	<0.037U	<0.029U	<0.029U	<0.03U	<0.029U	<0.029U	<0.0059U
n-Propylbenzene	3.9	100	<0.0037U	<0.0029U	<0.0029U	0.019	<0.0029U	<0.0029U	<0.0029U
1,2,3-Trichlorobenzene	NC	NC	<0.019U	<0.014U	<0.014U	<0.015U	<0.014U	<0.014U	<0.0059U
1,2,4-Trichlorobenzene	3.4	NC	<0.019U	<0.014U	<0.014U	<0.015U	<0.014U	<0.014U	<0.015U
1,3,5-Trimethylbenzene	8.4	52	<0.019U	<0.014U	0.013J	0.007J	<0.014U	<0.014U	0.0014J
1,2,4-Trimethylbenzene	3.6	52	<0.019U	<0.014U	0.034	0.052	<0.014U	<0.014U	<0.0044U
1,4-Diethylbenzene	NC	NC	<0.015U	<0.012U	0.026	0.025	<0.011U	<0.012U	<0.0044U
4-Ethyltoluene	NC	NC	<0.015U	<0.012U	0.028	<0.012U	<0.011U	<0.012U	<0.0029U
1,2,4,5-Tetramethylbenzene	NC	NC	<0.015U	<0.012U	<0.012U	0.05	<0.011U	<0.012U	<0.015U
Ethyl ether	NC	NC	<0.019U	<0.014U	<0.014U	<0.015U	<0.014U	<0.014U	<0.0029U
trans-1,4-Dichloro-2-butene	NC	NC	<0.019U	<0.014U	<0.014U	<0.015U	<0.014U	<0.014U	<0.015U

Notes:

1. Fill samples collected are compared to Restricted Residential SCOs and Groundwater Protection SCOs according to 375-6.8(d).
2. Values bolded and shaded exceed Restricted Residential SCOs and groundwater protection SCO criteria.
3. Duplicate samples shown to the right of primary sample results.
4. NC indicates No Criteria for analyte.

**TABLE 7**  
**2011 GROUNDWATER SAMPLE RESULTS**  
**CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

**Total Cyanide (ug/l)**

<b>Analyte</b>	<b>NY-AWQS</b>	MW-3	MW-5	GW-10	GW-9	MW-1	MW-6
Cyanide, Total	200	<5U	2J	<5U	2J	3J	4J

**Notes:**

1. Sample results compared to the Ambient Water Quality Standards Technical and and Operation Guidance Series (TOGS) standards.
2. Values bolded and shaded exceed the Ambient Water Quality Standards criteria.
3. Duplicate samples shown to the right of primary sample results.
4. NC indicates No Criteria for analyte.

**TABLE 7**  
**2011 GROUNDWATER SAMPLE RESULTS, CONTINUED**  
**CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

**Organochlorine Pesticides (ug/l)**

<b>Analyte</b>	<b>NY-AWQS</b>	<b>MW-3</b>	<b>MW-5</b>	<b>GW-10</b>	<b>GW-9</b>	<b>MW-1</b>	<b>MW-6</b>
Delta-BHC	0.04	0.02U	0.02U	0.02U	0.02U	0.024U	0.023U
Lindane	0.05	0.02U	0.02U	0.02U	0.02U	0.024U	0.023U
Alpha-BHC	0.01	0.02U	0.02U	0.02U	0.02U	0.024U	0.023U
Beta-BHC	0.04	0.02U	0.02U	0.02U	0.02U	0.024U	0.023U
Heptachlor	0.04	0.02U	0.02U	0.02U	0.02U	0.024U	0.023U
Aldrin	0	0.02U	0.02U	0.02U	0.02U	0.024U	0.023U
Heptachlor epoxide	0.03	0.02U	0.02U	0.02U	0.02U	0.024U	0.023U
Endrin	0	0.04U	0.04U	0.04U	0.04U	0.047U	0.047U
Endrin ketone	5	0.04U	0.04U	0.04U	0.04U	0.047U	0.047U
Dieldrin	0.004	0.04U	0.04U	0.04U	0.04U	0.047U	0.047U
4,4'-DDE	0.2	0.04U	0.04U	0.04U	0.04U	0.047U	0.047U
4,4'-DDD	0.3	0.04U	0.04U	0.04U	0.04U	0.047U	0.047U
4,4'-DDT	0.2	0.04U	0.04U	0.04U	0.04U	0.047U	0.047U
Endosulfan I	NC	0.02U	0.02U	0.02U	0.02U	0.024U	0.023U
Endosulfan II	NC	0.04U	0.04U	0.04U	0.04U	0.047U	0.047U
Endosulfan sulfate	NC	0.04U	0.04U	0.04U	0.04U	0.047U	0.047U
Methoxychlor	35	0.2U	0.2U	0.2U	0.2U	0.235U	0.232U
Toxaphene	0.06	0.2U	0.2U	0.2U	0.2U	0.235U	0.232U
trans-Chlordane	NC	0.02U	0.02U	0.02U	0.02U	0.024U	0.023U
Chlordane	0.05	0.2U	0.2U	0.2U	0.2U	0.235U	0.232U

**Notes:**

1. Sample results compared to the Ambient Water Quality Standards Technical and Operation Guidance Series (TOGS) standards.
2. Values bolded and shaded exceed the Ambient Water Quality Standards criteria.
3. Duplicate samples shown to the right of primary sample results.
4. NC indicates No Criteria for analyte.

**TABLE 7  
2011 GROUNDWATER SAMPLE RESULTS, CONTINUED  
CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

**Semivolatile Organic Compounds (ug/l)**

Analyte	NY-AWQS	MW-2	MW-3	MW-4	MW-5	GW-10	GW-9	MW-1	MW-6
1,2,4-Trichlorobenzene	5	<5U	<5U	<5U	<5U	<5U	<5U	<5U	<5U
Bis(2-chloroethyl)ether	1	<5U	<5U	<5U	<5U	<5U	<5U	<5U	<5U
1,2-Dichlorobenzene	3	<5U	<5U	<5U	<5U	<5U	<5U	<5U	<5U
1,3-Dichlorobenzene	3	<5U	<5U	<5U	<5U	<5U	<5U	<5U	<5U
1,4-Dichlorobenzene	3	<5U	<5U	<5U	<5U	<5U	<5U	<5U	<5U
3,3'-Dichlorobenzidine	5	<50U	<50U	<50U	<50U	<50U	<50U	<50U	<50U
2,4-Dinitrotoluene	5	<6U	<6U	<6U	<6U	<6U	<6U	<6U	<6U
2,6-Dinitrotoluene	5	<5U	<5U	<5U	<5U	<5U	<5U	<5U	<5U
4-Chlorophenyl phenyl ether	NC	<5U	<5U	<5U	<5U	<5U	<5U	<5U	<5U
4-Bromophenyl phenyl ether	NC	<5U	<5U	<5U	<5U	<5U	<5U	<5U	<5U
Bis(2-chloroisopropyl)ether	5	<5U	<5U	<5U	<5U	<5U	<5U	<5U	<5U
Bis(2-chloroethoxy)methane	5	<5U	<5U	<5U	<5U	<5U	<5U	<5U	<5U
Hexachlorocyclopentadiene	5	<30U	<30U	<30U	<30U	<30U	<30U	<30U	<30U
Isophorone	50	<5U	<5U	<5U	<5U	<5U	<5U	<5U	<5U
Nitrobenzene	0.4	<5U	<5U	<5U	<5U	<5U	<5U	<5U	<5U
NitrosoDiPhenylAmine(NDPA)/DPA	50	<15U	<15U	<15U	<15U	<15U	<15U	<15U	<15U
n-Nitrosodi-n-propylamine	NC	<5U	<5U	<5U	<5U	<5U	<5U	<5U	<5U
Bis(2-Ethylhexyl)phthalate	5	<5U	<5U	<5U	<5U	<5U	<5U	<5U	<5U
Butyl benzyl phthalate	50	<5U	<5U	<5U	<5U	<5U	<5U	<5U	<5U
Di-n-butylphthalate	50	<5U	<5U	<5U	<5U	<5U	<5U	<5U	<5U
Di-n-octylphthalate	50	<5U	<5U	<5U	<5U	<5U	<5U	<5U	<5U
Diethyl phthalate	50	<5U	<5U	<5U	<5U	<5U	<5U	<5U	<5U
Dimethyl phthalate	50	<5U	<5U	<5U	<5U	<5U	<5U	<5U	<5U
Biphenyl	NC	<5U	<5U	<5U	<5U	<5U	<5U	<5U	<5U
4-Chloroaniline	5	<5U	<5U	<5U	<5U	<5U	<5U	<5U	<5U
2-Nitroaniline	5	<5U	<5U	<5U	<5U	<5U	<5U	<5U	<5U
3-Nitroaniline	5	<5U	<5U	<5U	<5U	<5U	<5U	<5U	<5U
4-Nitroaniline	5	<7U	<7U	<7U	<7U	<7U	<7U	<7U	<7U
Dibenzofuran	NC	<5U	<5U	<5U	<5U	<5U	<5U	<5U	<5U
1,2,4,5-Tetrachlorobenzene	5	<20U	<20U	<20U	<20U	<20U	<20U	<20U	<20U
Acetophenone	NC	<20U	<20U	<20U	<20U	<20U	<20U	<20U	<20U
2,4,6-Trichlorophenol	NC	<5U	<5U	<5U	<5U	<5U	<5U	<5U	<5U
p-Chloro-M-Cresol	NC	<5U	<5U	<5U	<5U	<5U	<5U	<5U	<5U
2-Chlorophenol	NC	<6U	<6U	<6U	<6U	<6U	<6U	<6U	<6U
2,4-Dichlorophenol	1	<10U	<10U	<10U	<10U	<10U	<10U	<10U	<10U
2,4-Dimethylphenol	50	<10U	<10U	<10U	<10U	<10U	<10U	<10U	<10U
2-Nitrophenol	NC	<20U	<20U	<20U	<20U	<20U	<20U	<20U	<20U
4-Nitrophenol	NC	<10U	<10U	<10U	<10U	<10U	<10U	<10U	<10U
2,4-Dinitrophenol	10	<30U	<30U	<30U	<30U	<30U	<30U	<30U	<30U
4,6-Dinitro-o-cresol	NC	<20U	<20U	<20U	<20U	<20U	<20U	<20U	<20U
Phenol	1	<7U	<7U	<7U	<7U	<7U	<7U	<7U	<7U
2-Methylphenol	NC	<6U	<6U	<6U	<6U	<6U	<6U	<6U	<6U
3-Methylphenol/4-Methylphenol	NC	<6U	<6U	<6U	<6U	<6U	<6U	<6U	<6U
2,4,5-Trichlorophenol	NC	<5U	<5U	<5U	<5U	<5U	<5U	<5U	<5U
Benzoic Acid	NC	<50U	<50U	<50U	<50U	<50U	<50U	<50U	<50U
Benzyl Alcohol	NC	<10U	<10U	<10U	<10U	<10U	<10U	<10U	<10U
Carbazole	NC	<5U	<5U	<5U	<5U	<5U	<5U	<5U	<5U
Acenaphthene	20	<0.2U	<0.2U	<0.2U	<0.2U	<0.4U	<0.2U	<0.2U	<0.2U
2-Chloronaphthalene	10	<0.2U	<0.2U	<0.2U	<0.2U	<0.4U	<0.2U	<0.2U	<0.2U
Fluoranthene	50	<0.2U	<0.2U	<0.2U	<0.2U	<0.4U	<0.2U	<0.2U	<0.2U
Hexachlorobutadiene	0.5	<0.5U	<0.5U	<0.5U	<0.5U	<1U	<0.5U	<0.5U	<0.5U
Benzo(a)anthracene	NC	<0.2U	<0.2U	<0.2U	<0.2U	<0.4U	<0.2U	<0.2U	<0.2U
Benzo(a)pyrene	0	<0.2U	<0.2U	<0.2U	<0.2U	<0.4U	<0.2U	<0.2U	<0.2U
Benzo(b)fluoranthene	0.002	<0.2U	<0.2U	<0.2U	<0.2U	<0.4U	<0.2U	<0.2U	<0.2U
Benzo(k)fluoranthene	0.002	<0.2U	<0.2U	<0.2U	<0.2U	<0.4U	<0.2U	<0.2U	<0.2U
Chrysene	0.002	<0.2U	<0.2U	<0.2U	<0.2U	<0.4U	<0.2U	<0.2U	<0.2U
Acenaphthylene	NC	<0.2U	<0.2U	<0.2U	<0.2U	<0.4U	<0.2U	<0.2U	<0.2U
Anthracene	50	<0.2U	<0.2U	<0.2U	<0.2U	<0.4U	<0.2U	<0.2U	<0.2U
Benzo(ghi)perylene	NC	<0.2U	<0.2U	<0.2U	<0.2U	<0.4U	<0.2U	<0.2U	<0.2U
Fluorene	50	<0.2U	<0.2U	<0.2U	<0.2U	<0.4U	<0.2U	<0.2U	<0.2U
Phenanthrene	50	<0.2U	<0.2U	<0.2U	<0.2U	<0.4U	<0.2U	<0.2U	<0.2U
Dibenzo(a,h)anthracene	NC	<0.2U	<0.2U	<0.2U	<0.2U	<0.4U	<0.2U	<0.2U	<0.2U
Indeno(1,2,3-cd)Pyrene	0.002	<0.2U	<0.2U	<0.2U	<0.2U	<0.4U	<0.2U	<0.2U	<0.2U
Pyrene	50	<0.2U	<0.2U	<0.2U	<0.2U	<0.4U	<0.2U	<0.2U	<0.2U

**TABLE 7**  
**2011 GROUNDWATER SAMPLE RESULTS, CONTINUED**  
**CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

**Semivolatile Organic Compounds (continued) (ug/l)**

<b>Analyte</b>	<b>NY-AWQS</b>	<b>MW2</b>	<b>MW3</b>	<b>MW4</b>	<b>MW5</b>	<b>GW10</b>	<b>GW9</b>	<b>MW1</b>	<b>MW6</b>
2-Methylnaphthalene	NC	<0.2U	<0.2U	<0.2U	<0.2U	<0.9	<0.59	<0.2U	<0.2U
Pentachlorophenol	1	<0.8U	<0.8U	<0.8U	<0.8U	<1.6U	<0.8U	<0.8U	<0.8U
Hexachlorobenzene	0.04	<0.8U	<0.8U	<0.8U	<0.8U	<1.6U	<0.8U	<0.8U	<0.8U
Hexachloroethane	5	<0.8U	<0.8U	<0.8U	<0.8U	<1.6U	<0.8U	<0.8U	<0.8U

**Notes:**

1. Sample results compared to Technical and Operation Guidance Series (TOGS) standards.
2. Values bolded and shaded exceed a certain criteria mentioned in (1.).
3. Duplicate samples shown to the right of primary sample results.
4. NC indicates No Criteria for analyte.

**TABLE 7**  
**2011 GROUNDWATER SAMPLE RESULTS, CONTINUED**  
**CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

**Polychlorinated Biphenyls (ug/l)**

Analyte	NY-AWQS	MW-3	MW-5	GW-10	GW-9	MW-1	MW-6
		Aroclor 1016	0.09	<0.083U	<0.083U	<0.083U	<0.083U
Aroclor 1221	0.09	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U
Aroclor 1232	0.09	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U
Aroclor 1242	0.09	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U
Aroclor 1248	0.09	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U
Aroclor 1254	0.09	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U
Aroclor 1260	0.09	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U

**Notes:**

1. Sample results compared to the Ambient Water Quality Standards Technical and and Operation Guidance Series (TOGS) standards.
2. Values bolded and shaded exceed the Ambient Water Quality Standards criteria.
3. Duplicate samples shown to the right of primary sample results.
4. NC indicates No Criteria for analyte.

**TABLE 7**  
**2011 GROUNDWATER SAMPLE RESULTS, CONTINUED**  
**CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

**Total Metals (ug/l)**

Analyte	NY-AWQS	MW-2	MW-3	MW-4	MW-5	GW-10	GW-9	MW-1
		Aluminum, Total	NC	530	90J	50J	90J	3100
Antimony, Total	3	0.3J	0.2J	0.9J	0.7J	1.3J	1J	0.4J
Arsenic, Total	25	<5U	<5U	2J	2J	<5U	3J	2J
Barium, Total	1000	111	105	39	102	57	112	30
Beryllium, Total	3	<1U	<0.5U	<0.5U	<0.5U	0.2J	<1U	<0.5U
Cadmium, Total	5	<5U	<5U	<5U	<5U	<5U	<5U	<5U
Calcium, Total	NC	120000	130000	59000	84000	53000	170000	79000
Chromium, Total	50	<10U	<10U	<10U	<10U	10J	<10U	<10U
Cobalt, Total	NC	<20U	<20U	<20U	<20U	<20U	<20U	<20U
Copper, Total	200	<10U	<10U	<10U	<10U	7J	<10U	<10U
Iron, Total	300	<b>520</b>	230	<b>1500</b>	<b>1700</b>	<b>4500</b>	<b>20000</b>	<b>700</b>
Lead, Total	25	<10U	<10U	<10U	<10U	<b>29</b>	3J	<10U
Magnesium, Total	35000	<b>45000</b>	<b>50000</b>	18000	25000	17000	<b>52000</b>	28000
Manganese, Total	300	<b>1160</b>	<b>1170</b>	<b>529</b>	<b>1610</b>	286	<b>4910</b>	41
Mercury, Total	0.7	<0.2U	<0.2U	<0.2U	<0.2U	<0.2U	<0.2U	<0.2U
Nickel, Total	100	<25U	<25U	<25U	<25U	6J	<25U	<25U
Potassium, Total	NC	19000	12000	5100	7600	2600	7700	7500
Selenium, Total	10	<10U	<10U	<10U	<10U	<10U	<10U	5J
Silver, Total	50	<7U	<7U	<7U	<7U	<7U	<7U	<7U
Sodium, Total	20000	<b>320000</b>	<b>200000</b>	<b>94000</b>	<b>98000</b>	3300	<b>51000</b>	<b>80000</b>
Thallium, Total	0.5	0.2J	<0.5U	<0.5U	0.04J	0.2J	<1U	0.03J
Vanadium, Total	NC	<10U	<10U	<10U	<10U	6J	<10U	<10U
Zinc, Total	2000	<50U	23J	22J	31J	140	14J	20J

**Notes:**

1. Sample results compared to the Ambient Water Quality Standards Technical and and Operation Guidance Series (TOGS) standards.
2. Values bolded and shaded exceed the Ambient Water Quality Standards criteria.
3. Duplicate samples shown to the right of primary sample results.
4. NC indicates No Criteria for analyte.

**TABLE 7  
2011 GROUNDWATER SAMPLE RESULTS, CONTINUED  
CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

**Volatile Organic Compounds (ug/l)**

Analyte	NY-AWQS	MW-2	MW-3	MW-4	MW-5	GW-10	GW-9	MW-1	MW-6
Methylene chloride	5	<5U	<5U	<5U	<5U	<50U	<50U	<5U	<5U
1,1-Dichloroethane	5	<0.75U	<0.75U	<0.75U	<0.75U	<7.5U	<7.5U	<0.75U	<0.75U
Chloroform	7	<0.75U	<0.75U	<0.75U	<0.75U	<7.5U	<7.5U	<0.75U	<0.75U
Carbon tetrachloride	5	<0.5U	<0.5U	<0.5U	<0.5U	<5U	<5U	<0.5U	<0.5U
1,2-Dichloropropane	1	<1.8U	<1.8U	<1.8U	<1.8U	<18U	<18U	<1.8U	<1.8U
Dibromochloromethane	50	<0.5U	<0.5U	<0.5U	<0.5U	<5U	<5U	<0.5U	<0.5U
1,1,2-Trichloroethane	1	<0.75U	<0.75U	<0.75U	<0.75U	<7.5U	<7.5U	<0.75U	<0.75U
Tetrachloroethene	5	<0.5U	<0.5U	<0.5U	<0.5U	<5U	<5U	<0.5U	<0.5U
Chlorobenzene	5	<0.5U	<0.5U	<0.5U	<0.5U	<5U	<5U	<0.5U	<0.5U
Trichlorofluoromethane	5	<2.5U	<2.5U	<2.5U	<2.5U	<25U	<25U	<2.5U	<2.5U
1,2-Dichloroethane	0.6	<0.5U	<0.5U	<0.5U	<0.5U	<5U	<5U	<0.5U	<0.5U
1,1,1-Trichloroethane	5	<0.5U	<0.5U	<0.5U	<0.5U	<5U	<5U	<0.5U	<0.5U
Bromodichloromethane	50	<0.5U	<0.5U	<0.5U	<0.5U	<5U	<5U	<0.5U	<0.5U
trans-1,3-Dichloropropene	0.4	<0.5U	<0.5U	<0.5U	<0.5U	<5U	<5U	<0.5U	<0.5U
cis-1,3-Dichloropropene	0.4	<0.5U	<0.5U	<0.5U	<0.5U	<5U	<5U	<0.5U	<0.5U
1,1-Dichloropropene	5	<2.5U	<2.5U	<2.5U	<2.5U	<25U	<25U	<2.5U	<2.5U
Bromoform	50	<2U	<2U	<2U	<2U	<20U	<20U	<2U	<2U
1,1,1,2-Tetrachloroethane	5	<0.5U	<0.5U	<0.5U	<0.5U	<5U	<5U	<0.5U	<0.5U
Benzene	1	<0.5U	<0.5U	<0.5U	<0.5U	<5U	<5U	<0.5U	<0.5U
Toluene	5	<0.75U	<0.75U	<0.75U	<0.75U	<7.5U	<7.5U	<0.75U	0.52J
Ethylbenzene	5	<0.5U	<0.5U	<0.5U	<0.5U	250	21	<0.5U	0.83
Chloromethane	NC	<2.5U	<2.5U	<2.5U	<2.5U	<25U	<25U	<2.5U	<2.5U
Bromomethane	5	<1U	<1U	<1U	<1U	<10U	<10U	<1U	<1U
Vinyl chloride	2	<1U	<1U	<1U	<1U	<10U	<10U	<1U	<1U
Chloroethane	5	<1U	<1U	<1U	<1U	<10U	<10U	<1U	<1U
1,1-Dichloroethene	5	<0.5U	<0.5U	<0.5U	<0.5U	<5U	<5U	<0.5U	<0.5U
trans-1,2-Dichloroethene	5	<0.75U	<0.75U	<0.75U	<0.75U	<7.5U	<7.5U	<0.75U	<0.75U
Trichloroethene	5	<0.5U	<0.5U	<0.5U	<0.5U	<5U	<5U	<0.5U	<0.5U
1,2-Dichlorobenzene	3	<2.5U	<2.5U	<2.5U	<2.5U	<25U	<25U	<2.5U	<2.5U
1,3-Dichlorobenzene	3	<2.5U	<2.5U	<2.5U	<2.5U	<25U	<25U	<2.5U	<2.5U
1,4-Dichlorobenzene	3	<2.5U	<2.5U	<2.5U	<2.5U	<25U	<25U	<2.5U	<2.5U
Methyl tert butyl ether	10	<1U	<1U	<1U	<1U	<10U	<10U	<1U	<1U
p/m-Xylene	5	<1U	<1U	<1U	<1U	540	190	<1U	1.1
o-Xylene	5	<1U	<1U	<1U	<1U	<10U	<10U	<1U	<1U
cis-1,2-Dichloroethene	5	<0.5U	<0.5U	<0.5U	<0.5U	<5U	<5U	<0.5U	<0.5U
Dibromomethane	5	<5U	<5U	<5U	<5U	<50U	<50U	<5U	<5U
1,2,3-Trichloropropane	0.04	<5U	<5U	<5U	<5U	<50U	<50U	<5U	<5U
Acrylonitrile	5	<5U	<5U	<5U	<5U	<50U	<50U	<5U	<5U
Styrene	5	<1U	<1U	<1U	<1U	<10U	<10U	<1U	<1U
Dichlorodifluoromethane	5	<5U	<5U	<5U	<5U	<50U	<50U	<5U	<5U
Acetone	50	<5U	<5U	<5U	<5U	<50U	<50U	<5U	<5U
Carbon disulfide	60	<5U	<5U	<5U	<5U	<50U	<50U	<5U	<5U
2-Butanone	50	<5U	<5U	<5U	<5U	<50U	<50U	<5U	<5U
Vinyl acetate	NC	<5U	<5U	<5U	<5U	<50U	<50U	<5U	<5U
4-Methyl-2-pentanone	NC	<5U	<5U	<5U	<5U	<50U	<50U	<5U	<5U
2-Hexanone	50	<5U	<5U	<5U	<5U	<50U	<50U	<5U	<5U
Bromochloromethane	5	<2.5U	<2.5U	<2.5U	<2.5U	<25U	<25U	<2.5U	<2.5U
2,2-Dichloropropane	5	<2.5U	<2.5U	<2.5U	<2.5U	<25U	<25U	<2.5U	<2.5U
1,2-Dibromoethane	0.0006	<2U	<2U	<2U	<2U	<20U	<20U	<2U	<2U
1,3-Dichloropropane	5	<2.5U	<2.5U	<2.5U	<2.5U	<25U	<25U	<2.5U	<2.5U
1,1,1,2-Tetrachloroethane	5	<0.5U	<0.5U	<0.5U	<0.5U	<5U	<5U	<0.5U	<0.5U
Bromobenzene	5	<2.5U	<2.5U	<2.5U	<2.5U	<25U	<25U	<2.5U	<2.5U
n-Butylbenzene	5	<0.5U	<0.5U	<0.5U	<0.5U	3.7J	3.8J	<0.5U	1.2
sec-Butylbenzene	5	<0.5U	0.35J	<0.5U	<0.5U	<5U	3.6J	<0.5U	2
tert-Butylbenzene	5	<2.5U	<2.5U	<2.5U	<2.5U	<25U	<25U	<2.5U	<2.5U
o-Chlorotoluene	5	<2.5U	<2.5U	<2.5U	<2.5U	<25U	<25U	<2.5U	<2.5U
p-Chlorotoluene	5	<2.5U	<2.5U	<2.5U	<2.5U	<25U	<25U	<2.5U	<2.5U
1,2-Dibromo-3-chloropropane	0.04	<2.5U	<2.5U	<2.5U	<2.5U	<25U	<25U	<2.5U	<2.5U
Hexachlorobutadiene	0.5	<0.6U	<0.6U	<0.6U	<0.6U	<6U	<6U	<0.6U	<0.6U

**TABLE 7**  
**2011 GROUNDWATER SAMPLE RESULTS, CONTINUED**  
**CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

Volatile Organic Compounds (continued) (ug/l)

Analyte	NY-AWQS	MW2	MW3	MW4	MW5	GW10	GW9	MW1	MW6
Isopropylbenzene	5	<0.5U	<0.5U	<0.5U	<0.5U	<b>24</b>	<b>21</b>	<0.5U	<b>17</b>
p-Isopropyltoluene	5	<0.5U	<0.5U	<0.5U	<0.5U	<5U	<5U	<0.5U	<0.5U
Naphthalene	10	<2.5U	<2.5U	<2.5U	<2.5U	<b>36</b>	<b>29</b>	<2.5U	<b>12</b>
n-Propylbenzene	5	<0.5U	<0.5U	<0.5U	<0.5U	<b>62</b>	<b>46</b>	<0.5U	<b>32</b>
1,2,3-Trichlorobenzene	5	<2.5U	<2.5U	<2.5U	<2.5U	<25U	<25U	<2.5U	<2.5U
1,2,4-Trichlorobenzene	5	<2.5U	<2.5U	<2.5U	<2.5U	<25U	<25U	<2.5U	<2.5U
1,3,5-Trimethylbenzene	5	<2.5U	<2.5U	<2.5U	<2.5U	<b>110</b>	<b>67</b>	<2.5U	<2.5U
1,2,4-Trimethylbenzene	5	<2.5U	<2.5U	<2.5U	<2.5U	<b>480</b>	<b>84</b>	<2.5U	<2.5U
1,4-Diethylbenzene	NC	<2U	0.49	<2U	<2U	8.8J	14J	<2U	3.1
4-Ethyltoluene	NC	<2U	<2U	<2U	<2U	100	16J	<2U	<2U
1,2,4,5-Tetramethylbenzene	NC	<2U	0.42J	<2U	0.22J	24	<17J	<2U	7.7
Ethyl ether	NC	<2.5U	<2.5U	<2.5U	<2.5U	<25U	<25U	<2.5U	<2.5U
trans-1,4-Dichloro-2-butene	5	<2.5U	<2.5U	<2.5U	<2.5U	<25U	<25U	<2.5U	<2.5U

**Notes:**

1. Sample results compared to the Ambient Water Quality Standards Technical and Operation Guidance Series (TOGS) standards.
2. Values bolded and shaded exceed the Ambient Water Quality Standards criteria.
3. Duplicate samples shown to the right of primary sample results.
4. NC indicates No Criteria for analyte.

**TABLE 8  
GROUNDWATER ELEVATIONS  
CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

<b>Well ID</b>	<b>DTW (ft. TOC)</b>	<b>TOC Elevation</b>	<b>Groundwater Elevation (ft. MSL)</b>
GW-1	10.99	464.82	453.83
GW-10	11.53	464.95	453.42
GW-9	8.13	463.69	455.56
MW-1	11.53	464.62	453.09
MW-2	11.31	464.49	453.18
MW-3	10.58	463.80	453.22
MW-4	9.94	462.53	452.59
MW-5	9.45	462.11	452.66
MW-6	7.55	460.24	452.69

**Notes:**

1. Ft. MSL denotes feet mean sea level.
2. Ft. TOC denotes feet Top of Casing.
3. Gauging completed on 9/27/2011.

**TABLE 9**  
**2011 SEDIMENT SAMPLE RESULTS**  
**CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

**General Chemistry**

<b>Analyte</b>	<b>Sample ID</b>		<b>DUP-1</b>		<b>STS-2</b>		<b>STS-3</b>		<b>STS-4</b>	
	<b>Sample Location</b>		<b>Downstream</b>		<b>Discharge at stream level</b>		<b>Discharge in wall</b>		<b>Upgradient</b>	
	<b>Sample Specific ALCT</b>	<b>Result</b>	<b>Sample Specific ALCT</b>	<b>Result</b>	<b>Sample Specific ALCT</b>	<b>Result</b>	<b>Sample Specific ALCT</b>	<b>Result</b>	<b>Sample Specific ALCT</b>	<b>Result</b>
Total Organic Carbon (%)	NC	0.885	NC	Not Sampled	NC	1.16	NC	2.3	NC	0.606
Solids, Total (%)	NC	95	NC	80	NC	81	NC	80	NC	82
Cyanide, Total (mg/kg)	NC	<0.99U	NC	1.3U	NC	<1.3U	NC	<1.2U	NC	<1.2U

**Notes:**

1. Sample Specific ALCT value calculated as per NYS DEC 1999 based on total organic carbon for each sample. Sediments dated January 1999.
2. Values bolded and shaded exceed a Sample Specific ALCT value.
3. Duplicate samples shown to the right of primary sample results.
4. NC indicates No Criteria for analyte.

**TABLE 9**  
**2011 SEDIMENT SAMPLE RESULTS, CONTINUED**  
**CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

**Organochlorine Pesticides (mg/kg)**

Sample ID Sample Location Analyte	STS-1		DUP-1	STS-2		STS-3		STS-4	
	Downstream		Downstream	Discharge at stream level		Discharge in wall		Upgradient	
	Sample Specific ALCT	Result	Result	Sample Specific ALCT	Result	Sample Specific ALCT	Result	Sample Specific ALCT	Result
Delta-BHC	NC	<0.0337U	<0.00996U	NC	<0.00975U	NC	<0.00998U	NC	<0.00903U
Lindane	NC	<0.014U	<0.00996U	NC	<0.00406U	NC	<0.00416U	NC	<0.00376U
Alpha-BHC	NC	<0.014U	<0.0187U	NC	<0.00406U	NC	<0.00416U	NC	<0.00376U
Beta-BHC	NC	<0.0337U	<0.00996U	NC	<0.00975U	NC	<0.00998U	NC	<0.00903U
Heptachlor	0.0008	<0.0168U	<0.00415U	0.001044	<0.00488U	0.00207	<0.00499U	0.00055	<b>0.0235</b>
Aldrin	NC	<0.0337U	<0.00996U	NC	<0.00975U	NC	<0.00998U	NC	<0.00903U
Heptachlor epoxide	0.0008	<0.0632U	<0.0809U	0.001044	<0.0183U	0.00207	<0.0187U	0.00055	<0.0169U
Endrin	0.00646	<0.014U	<0.00996U	0.008468	<0.00406U	0.01679	<0.00416U	0.00442	<0.00376U
Endrin ketone	NC	<0.0337U	<0.00622U	NC	<0.00975U	NC	<0.00998U	NC	<0.00903U
Dieldrin	0.07965	<0.021U	<0.00996U	0.1044	<0.0061U	0.207	<0.00624U	0.05454	<0.00564U
4,4'-DDE	0.00885	<0.0337U	<0.00996U	0.0116	<0.00975U	0.023	<0.00998U	0.00606	<0.00903U
4,4'-DDD	0.00885	<0.0337U	<0.00415U	0.0116	<0.00975U	0.023	<0.00998U	0.00606	<0.00903U
4,4'-DDT	0.00885	<0.0632U	<0.00415U	0.0116	<0.0183U	0.023	<0.0187U	0.00606	<0.0169U
Endosulfan I	3.5E-05	<0.0337U	<0.00996U	0.0000464	<0.00975U	9.2E-05	<0.00998U	2.4E-05	<0.00903U
Endosulfan II	3.5E-05	<0.0337U	<0.00498U	0.0000464	<0.00975U	9.2E-05	<0.00998U	2.4E-05	<0.00903U
Endosulfan sulfate	NC	<0.014U	<0.0187U	NC	<0.00406U	NC	<0.00416U	NC	<0.00376U
Methoxychlor	0.00531	<0.0632U	<0.00415U	0.00696	<0.0183U	0.0138	<0.0187U	0.00364	<0.0169U
Toxaphene	8.9E-05	<0.632U	<0.0187U	0.000116	<0.183U	0.00023	<0.187U	6.1E-05	<0.169U
trans-Chlordane	NC	<0.0421U	<0.187U	NC	<0.0122U	NC	0.00553J	NC	0.0882
Chlordane	1.8E-05	<0.274U	<0.0124U	0.0000232	<0.0792U	4.6E-05	<b>0.0577J</b>	1.2E-05	<b>0.743</b>

**Notes:**

1. Sample Specific ALCT value calculated as per NYS DEC 1999 based on total organic carbon for each sample. Sediments dated January 1999.
2. Values bolded and shaded exceed a Sample Specific ALCT value.
3. Duplicate samples shown to the right of primary sample results.
4. NC indicates No Criteria for analyte.

**TABLE 9**  
**2011 SEDIMENT SAMPLE RESULTS, CONTINUED**  
**CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

**Polychlorinated Biphenyls (mg/kg)**

Sample ID Sample Location Analyte	STS-1		DUP-1	STS-2		STS-3		STS-4	
	Downstream		Downstream	Discharge at stream level		Discharge in wall		Upgradient	
	Sample Specific ALCT	Result	Result	Sample Specific ALCT	Result	Sample Specific ALCT	Result	Sample Specific ALCT	Result
Aroclor 1016	0.17081	<0.0684U	<0.0401U	0.22388	<0.0402U	0.4439	<0.0396U	0.11696	<0.0387U
Aroclor 1221	0.17081	<0.0684U	<0.0401U	0.22388	<0.0402U	0.4439	<0.0396U	0.11696	<0.0387U
Aroclor 1232	0.17081	<0.0684U	<0.0401U	0.22388	<0.0402U	0.4439	<0.0396U	0.11696	<0.0387U
Aroclor 1242	0.17081	<0.0684U	<0.0401U	0.22388	<0.0402U	0.4439	<0.0396U	0.11696	<0.0387U
Aroclor 1248	0.17081	<0.0684U	<0.0401U	0.22388	<0.0402U	0.4439	<0.0396U	0.11696	<0.0387U
Aroclor 1254	0.17081	<0.0684U	<0.0401U	0.22388	<0.0402U	0.4439	<0.0396U	0.11696	<0.0387U
Aroclor 1260	0.17081	<0.0684U	<0.0401U	0.22388	<0.0402U	0.4439	<0.0396U	0.11696	<0.0387U

**Notes:**

1. Sample Specific ALCT value calculated as per NYS DEC 1999 based on total organic carbon for each sample. Sediments dated January 1999.
2. Values bolded and shaded exceed a Sample Specific ALCT value.
3. Duplicate samples shown to the right of primary sample results.
4. NC indicates No Criteria for analyte.

**TABLE 9**  
**2011 SEDIMENT SAMPLE RESULTS, CONTINUED**  
**CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

Semivolatile Organics (mg/kg)

Sample ID Sample Location Analyte	STS-1		DUP-1	STS-2		STS-3		STS-4	
	Downstream		Downstream	Discharge at stream level		Discharge in wall		Upgradient	
	Sample Specific ALCT	Result	Result	Sample Specific ALCT	Result	Sample Specific ALCT	Result	Sample Specific ALCT	Result
Acenaphthene	1.239	<0.7U	<1U	1.624	<0.84U	3.22	<0.82U	0.8484	<0.8U
1,2,4-Trichlorobenzene	NC	<0.88U	<1U	NC	<1U	NC	<1U	NC	<1U
Hexachlorobenzene	NC	<0.53U	<1U	NC	<0.63U	NC	<0.62U	NC	<0.6U
Bis(2-chloroethyl)ether	NC	<0.79U	<1U	NC	<0.94U	NC	<0.92U	NC	<0.91U
2-Chloronaphthalene	NC	<0.88U	<1U	NC	<1U	NC	<1U	NC	<1U
1,2-Dichlorobenzene	NC	<0.88U	<1U	NC	<1U	NC	<1U	NC	<1U
1,3-Dichlorobenzene	NC	<0.88U	<0.61U	NC	<1U	NC	<1U	NC	<1U
1,4-Dichlorobenzene	NC	<0.88U	<0.92U	NC	<1U	NC	<1U	NC	<1U
3,3'-Dichlorobenzidine	NC	<0.88U	<1U	NC	<1U	NC	<1U	NC	<1U
2,4-Dinitrotoluene	NC	<0.88U	<4.9U	NC	<1U	NC	<1U	NC	<1U
2,6-Dinitrotoluene	NC	<0.88U	<1U	NC	<1U	NC	<1U	NC	<1U
Fluoranthene	9.027	0.71	<1U	11.832	1.3	23.46	0.7	6.1812	0.59J
4-Chlorophenyl phenyl ether	NC	<0.88U	<1U	NC	<1U	NC	<1U	NC	<1U
4-Bromophenyl phenyl ether	NC	<0.88U	<1U	NC	<1U	NC	<1U	NC	<1U
Bis(2-chloroisopropyl)ether	NC	<1U	<1.2U	NC	<1.2U	NC	<1.2U	NC	<1.2U
Bis(2-chloroethoxy)methane	NC	<0.95U	<1U	NC	<1.1U	NC	<1.1U	NC	<1.1U
Hexachlorobutadiene	NC	<0.88U	<1U	NC	<1U	NC	<1U	NC	<1U
Hexachlorocyclopentadiene	NC	<2.5U	<2.2U	NC	<3U	NC	<2.9U	NC	<2.9U
Hexachloroethane	NC	<0.7U	<1U	NC	<0.84U	NC	<0.82U	NC	<0.8U
Isophorone	NC	<0.79U	<1.5U	NC	<0.94U	NC	<0.92U	NC	<0.91U
Naphthalene	0.2655	<0.88U	<1U	0.348	<1U	0.69	<1U	0.1818	<1U
Nitrobenzene	NC	<0.79U	<2.6U	NC	<0.94U	NC	<0.92U	NC	<0.91U
NitrosoDiPhenylAmine(NDPA)/DPA	NC	<0.7U	<1U	NC	<0.84U	NC	<0.82U	NC	<0.8U
n-Nitrosodi-n-propylamine	NC	<0.88U	<1U	NC	<1U	NC	<1U	NC	<1U
Bis(2-Ethylhexyl)phthalate	1.76558	<0.88U	<1U	2.3142	0.92J	4.5885	<1U	1.20897	<1U
Butyl benzyl phthalate	NC	<0.88U	<1U	NC	<1U	NC	<1U	NC	<1U
Di-n-butylphthalate	NC	<0.88U	<1.4U	NC	<1U	NC	<1U	NC	<1U
Di-n-octylphthalate	NC	<0.88U	<0.82U	NC	<1U	NC	<1U	NC	<1U
Diethyl phthalate	NC	<0.88U	<0.82U	NC	<1U	NC	<1U	NC	<1U
Dimethyl phthalate	NC	<0.88U	<1U	NC	<1U	NC	<1U	NC	<1U
Benzo(a)anthracene	0.1062	<b>0.24J</b>	<b>&lt;0.61U</b>	0.1392	<b>0.44J</b>	0.276	<b>0.33J</b>	0.07272	<b>0.2J</b>
Benzo(a)pyrene	NC	<0.7U	<0.61U	NC	0.42J	NC	0.28J	NC	<0.8U
Benzo(b)fluoranthene	NC	0.34J	<0.82U	NC	0.61J	NC	<0.37J	NC	<0.6U
Benzo(k)fluoranthene	NC	<0.53U	<0.61U	NC	0.25J	NC	<0.62U	NC	<0.6U
Chrysene	NC	0.29J	<0.82U	NC	0.51J	NC	0.3J	NC	<0.6U
Acenaphthylene	NC	<0.7U	<0.61U	NC	<0.84U	NC	<0.82U	NC	<0.8U
Anthracene	0.94695	<0.53U	<3.3U	1.2412	<0.63U	2.461	<0.62U	0.64842	<0.6U
Benzo(ghi)perylene	NC	<0.7U	<1U	NC	0.32J	NC	<0.82U	NC	<0.8U
Fluorene	0.0708	<0.88U	<2.3U	0.0928	<1U	0.184	<1U	0.04848	<1U
Phenanthrene	10.62	0.36J	<1.1U	13.92	0.7	27.6	0.34J	7.272	0.28J
Dibenzo(a,h)anthracene	NC	<0.53U	<0.92U	NC	<0.63U	NC	<0.62U	NC	<0.6U
Indeno(1,2,3-cd)Pyrene	NC	<.21J	<1.2U	NC	0.32J	NC	<0.82U	NC	<0.8U
Pyrene	8.50485	0.52J	<0.9J	11.1476	0.93	22.103	0.55J	5.82366	0.39J
Biphenyl	NC	<2U	<1U	NC	<2.4U	NC	<2.3U	NC	<2.3U
4-Chloroaniline	NC	<0.88U	<1U	NC	<1U	NC	<1U	NC	<1U
2-Nitroaniline	NC	<0.88U	<0.61U	NC	<1U	NC	<1U	NC	<1U
3-Nitroaniline	NC	<0.88U	<1U	NC	<1U	NC	<1U	NC	<1U
4-Nitroaniline	NC	<0.88U	<1U	NC	<1U	NC	<1U	NC	<1U
Dibenzofuran	NC	<0.88U	<0.61U	NC	<1U	NC	<1U	NC	<1U
2-Methylnaphthalene	0.2655	<1U	<1U	0.348	<1.2U	0.69	<1.2U	0.1818	<1.2U
1,2,4,5-Tetrachlorobenzene	NC	<0.88U	<1U	NC	<1U	NC	<1U	NC	<1U
Acetophenone	NC	<0.88U	<1U	NC	<1U	NC	<1U	NC	<1U
2,4,6-Trichlorophenol	NC	<0.53U	<0.61U	NC	<0.63U	NC	<0.62U	NC	<0.6U
P-Chloro-M-Cresol	NC	<0.88U	<1U	NC	<1U	NC	<1U	NC	<1U
2-Chlorophenol	NC	<0.88U	<0.61U	NC	<1U	NC	<1U	NC	<1U
2,4-Dichlorophenol	NC	<0.79U	<1U	NC	<0.94U	NC	<0.92U	NC	<0.91U
2,4-Dimethylphenol	NC	<0.88U	<2.9U	NC	<1U	NC	<1U	NC	<1U
2-Nitrophenol	NC	<1.9U	<0.82U	NC	<2.2U	NC	<2.2U	NC	<2.2U
4-Nitrophenol	NC	<1.2U	<0.82U	NC	<1.5U	NC	<1.4U	NC	<1.4U
2,4-Dinitrophenol	NC	<4.2U	<0.92U	NC	<5U	NC	<4.9U	NC	<4.8U
4,6-Dinitro-o-cresol	NC	<2.3U	<1U	NC	<2.7U	NC	<2.7U	NC	<2.6U
Pentachlorophenol	35.4	<0.7U	<1U	46.4	<0.84U	92	<0.82U	24.24	<0.8U

**TABLE 9**  
**2011 SEDIMENT SAMPLE RESULTS, CONTINUED**  
**CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

Semivolatile Organic Compounds (mg/kg)

Analyte	Sample ID		STS-1		DUP-1		STS-2		STS-3		STS-4	
	Sample Location		Downstream		Downstream		Discharge at stream level		Discharge in wall		Upgradient	
	Sample Specific ALCT	Result	Result	Result	Sample Specific ALCT	Result	Sample Specific ALCT	Result	Sample Specific ALCT	Result	Sample Specific ALCT	Result
Phenol	0.00443	<0.88U	<0.92U		0.0058	<1U	0.0115	<1U	0.00303	<1U		
2-Methylphenol	NC	<0.88U	<0.82U		NC	<1U	NC	<1U	NC	<1U	NC	<1U
3-Methylphenol/4-Methylphenol	NC	<1.3U	<1U		NC	<1.5U	NC	<1.5U	NC	<1.4U	NC	<1.4U
2,4,5-Trichlorophenol	NC	<0.88U	<0.82U		NC	<1U	NC	<1U	NC	<1U	NC	<1U
Benzoic Acid	NC	<2.8U	<0.61U		NC	<3.4U	NC	<3.3U	NC	<3.3U	NC	<3.3U
Benzyl Alcohol	NC	<0.88U	<1U		NC	<1U	NC	<1U	NC	<1U	NC	<1U
Carbazole	NC	<0.88U	<0.61U		NC	<1U	NC	<1U	NC	<1U	NC	<1U

**Notes:**

1. Sample Specific ALCT value calculated as per NYS DEC 1999 based on total organic carbon for each sample. Sediments dated January 1999.
2. Values bolded and shaded exceed a Sample Specific ALCT value.
3. Duplicate samples shown to the right of primary sample results.
4. NC indicates No Criteria for analyte.

**TABLE 9**  
**2011 SEDIMENT SAMPLE RESULTS, CONTINUED**  
**CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

**Volatile Organic Compounds (mg/kg)**

Sample ID Sample Location Analyte	STS-1		STS-2		STS-3		STS-4	
	Downstream		Discharge at stream level		Discharge in wall		Upgradient	
	Sample Specific ALCT	Result	Sample Specific ALCT	Result	Sample Specific ALCT	Result	Sample Specific ALCT	Result
Methylene chloride	NC	<0.026U	NC	<0.031U	NC	<0.031U	NC	<0.03U
1,1-Dichloroethane	NC	<0.0039U	NC	<0.0046U	NC	<0.0047U	NC	<0.0046U
Chloroform	NC	<0.0039U	NC	<0.0046U	NC	<0.0047U	NC	<0.0046U
Carbon tetrachloride	NC	<0.0026U	NC	<0.0031U	NC	<0.0031U	NC	<0.003U
1,2-Dichloropropane	NC	<0.0092U	NC	<0.011U	NC	<0.011U	NC	<0.011U
Dibromochloromethane	NC	<0.0026U	NC	<0.0031U	NC	<0.0031U	NC	<0.003U
1,1,2-Trichloroethane	NC	<0.0039U	NC	<0.0046U	NC	<0.0047U	NC	<0.0046U
Tetrachloroethene	NC	<0.0026U	NC	<0.0031U	NC	<0.0024J	NC	<0.003U
Chlorobenzene	0.03098	<0.0026U	0.0406	<0.0031U	0.0805	<0.0031U	0.02121	<0.003U
Trichlorofluoromethane	NC	<0.013U	NC	<0.015U	NC	<0.016U	NC	<0.015U
1,2-Dichloroethane	NC	<0.0026U	NC	<0.0031U	NC	<0.0031U	NC	<0.003U
1,1,1-Trichloroethane	NC	<0.0026U	NC	<0.0031U	NC	<0.0031U	NC	<0.003U
Bromodichloromethane	NC	<0.0026U	NC	<0.0031U	NC	<0.0031U	NC	<0.003U
trans-1,3-Dichloropropene	NC	<0.0026U	NC	<0.0031U	NC	<0.0031U	NC	<0.003U
cis-1,3-Dichloropropene	NC	<0.0026U	NC	<0.0031U	NC	<0.0031U	NC	<0.003U
1,1-Dichloropropene	NC	<0.013U	NC	<0.015U	NC	<0.016U	NC	<0.015U
Bromoform	NC	<0.01U	NC	<0.012U	NC	<0.012U	NC	<0.012U
1,1,2,2-Tetrachloroethane	NC	<0.0026U	NC	<0.0031U	NC	<0.0031U	NC	<0.003U
Benzene	0.2301	<0.0026U	0.3016	<0.0031U	0.598	<0.0031U	0.15756	<0.003U
Toluene	0.39825	<0.0039U	0.522	<0.0046U	1.035	<0.0047U	0.2727	0.00082J
Ethylbenzene	0.05664	<0.0026U	0.07424	<0.0031U	0.1472	<0.0031U	0.03878	<0.003U
Chloromethane	NC	<0.013U	NC	<0.015U	NC	<0.016U	NC	<0.015U
Bromomethane	NC	<0.0053U	NC	<0.0062U	NC	<0.0062U	NC	<0.0061U
Vinyl chloride	NC	<0.0053U	NC	<0.0062U	NC	<0.0062U	NC	<0.0061U
Chloroethane	NC	<0.0053U	NC	<0.0062U	NC	<0.0062U	NC	<0.0061U
1,1-Dichloroethene	NC	<0.0026U	NC	<0.0031U	NC	<0.0031U	NC	<0.003U
trans-1,2-Dichloroethene	NC	<0.0039U	NC	<0.0046U	NC	<0.0047U	NC	<0.0046U
Trichloroethene	NC	<0.0026U	NC	<0.0031U	NC	<0.0031U	NC	<0.003U
1,2-Dichlorobenzene	0.01062	<0.013U	0.01392	<0.015U	0.0276	<0.016U	0.00727	<0.015U
1,3-Dichlorobenzene	0.01062	<0.013U	0.01392	<0.015U	0.0276	<0.016U	0.00727	<0.015U
1,4-Dichlorobenzene	0.01062	<0.013U	0.01392	<0.015U	0.0276	<0.016U	0.00727	<0.015U
Methyl tert butyl ether	NC	<0.0053U	NC	<0.0062U	NC	<0.0062U	NC	<0.0061U
p/m-Xylene	0.23895	<0.0053U	0.3132	<0.0062U	0.621	<0.0062U	0.16362	<0.0061U
o-Xylene	0.23895	<0.0053U	0.3132	<0.0062U	0.621	<0.0062U	0.16362	<0.0061U
cis-1,2-Dichloroethene	NC	<0.0026U	NC	<0.0031U	NC	<0.0031U	NC	<0.003U
Dibromomethane	NC	<0.026U	NC	<0.031U	NC	<0.031U	NC	<0.03U
Styrene	NC	<0.0053U	NC	<0.0062U	NC	<0.0062U	NC	<0.0061U
Dichlorodifluoromethane	NC	<0.026U	NC	<0.031U	NC	<0.031U	NC	<0.03U
Acetone	NC	<0.026U	NC	<0.031U	NC	<0.031U	NC	<0.03U
Carbon disulfide	NC	<0.026U	NC	<0.031U	NC	<0.031U	NC	<0.03U
2-Butanone	NC	<0.026U	NC	<0.031U	NC	<0.031U	NC	<0.03U
Vinyl acetate	NC	<0.026U	NC	<0.031U	NC	<0.031U	NC	<0.03U
4-Methyl-2-pentanone	NC	<0.026U	NC	<0.031U	NC	<0.031U	NC	<0.03U
1,2,3-Trichloropropane	NC	<0.026U	NC	<0.031U	NC	<0.031U	NC	<0.03U
2-Hexanone	NC	<0.026U	NC	<0.031U	NC	<0.031U	NC	<0.03U
Bromochloromethane	NC	<0.013U	NC	<0.015U	NC	<0.016U	NC	<0.015U
2,2-Dichloropropane	NC	<0.013U	NC	<0.015U	NC	<0.016U	NC	<0.015U
1,2-Dibromoethane	NC	<0.01U	NC	<0.012U	NC	<0.012U	NC	<0.012U
1,3-Dichloropropane	NC	<0.013U	NC	<0.015U	NC	<0.016U	NC	<0.015U
1,1,1,2-Tetrachloroethane	NC	<0.0026U	NC	<0.0031U	NC	<0.0031U	NC	<0.003U
Bromobenzene	NC	<0.013U	NC	<0.015U	NC	<0.016U	NC	<0.015U
n-Butylbenzene	NC	<0.0026U	NC	<0.0031U	NC	<0.0031U	NC	<0.003U
sec-Butylbenzene	NC	<0.0026U	NC	<0.0031U	NC	<0.0031U	NC	<0.003U
tert-Butylbenzene	NC	<0.013U	NC	<0.015U	NC	<0.016U	NC	<0.015U
o-Chlorotoluene	NC	<0.013U	NC	<0.015U	NC	<0.016U	NC	<0.015U
p-Chlorotoluene	NC	<0.013U	NC	<0.015U	NC	<0.016U	NC	<0.015U
1,2-Dibromo-3-chloropropane	NC	<0.013U	NC	<0.015U	NC	<0.016U	NC	<0.015U
Hexachlorobutadiene	0.01416	<0.013U	0.01856	<0.015U	0.0368	<0.016U	0.0097	<0.015U
Isopropylbenzene	NC	<0.0026U	NC	<0.0031U	NC	<0.0031U	NC	<0.003U
p-Isopropyltoluene	NC	<0.0026U	NC	<0.0031U	NC	<0.0031U	NC	<0.003U

**TABLE 9**  
**2011 SEDIMENT SAMPLE RESULTS, CONTINUED**  
**CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

**Volatile Organic Compounds (continued) (mg/kg)**

Sample ID Sample Location  Analyte	STS-1		STS-2		STS-3		STS-4	
	Downstream		Discharge at stream level		Discharge in wall		Upgradient	
	Sample Specific ALCT	Result	Sample Specific ALCT	Result	Sample Specific ALCT	Result	Sample Specific ALCT	Result
Naphthalene	NC	<0.013U	NC	<0.015U	NC	<0.016U	NC	<0.015U
Acrylonitrile	NC	<0.026U	NC	<0.031U	NC	<0.031U	NC	<0.03U
n-Propylbenzene	NC	<0.0026U	NC	<0.0031U	NC	<0.0031U	NC	<0.003U
1,2,3-Trichlorobenzene	0.80535	<0.013U	1.0556	<0.015U	2.093	<0.016U	0.55146	<0.015U
1,2,4-Trichlorobenzene	0.80535	<0.013U	1.0556	<0.015U	2.093	<0.016U	0.55146	<0.015U
1,3,5-Trimethylbenzene	NC	<0.013U	NC	<0.015U	NC	<0.016U	NC	<0.015U
1,2,4-Trimethylbenzene	0.94695	<0.013U	1.2412	<0.015U	2.461	<0.016U	0.64842	<0.015U
1,4-Diethylbenzene	NC	<0.01U	NC	<0.012U	NC	<0.012U	NC	<0.012U
4-Ethyltoluene	NC	<0.01U	NC	<0.012U	NC	<0.012U	NC	<0.012U
1,2,4,5-Tetramethylbenzene	NC	<0.01U	NC	<0.012U	NC	<0.012U	NC	<0.012U
Ethyl ether	NC	<0.013U	NC	<0.015U	NC	<0.016U	NC	<0.015U
trans-1,4-Dichloro-2-butene	NC	<0.013U	NC	<0.015U	NC	<0.016U	NC	<0.015U

**Notes:**

1. Sample Specific ALCT value calculated as per NYS DEC 1999 based on total organic carbon for each sample. Sediments dated January 1999.
2. Values bolded and shaded exceed a Sample Specific ALCT value.
3. Duplicate samples shown to the right of primary sample results.
4. NC indicates No Criteria for analyte.

**TABLE 9**  
**2011 SEDIMENT SAMPLE RESULTS, CONTINUED**  
**CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

**Metals (mg/kg)**

Analyte	Sample ID		STS-1		DUP-1	STS-2		STS-3		STS-4	
	Sample Location		Downstream		Downstream	Discharge at stream level		Discharge in wall		Upgradient	
	Lowest Effect Level	Severe Effect Level	Sample Specific ALCT	Result	Result	Sample Specific ALCT	Result	Sample Specific ALCT	Result	Sample Specific ALCT	Result
Aluminum, Total	NC	NC	NC	4100	<20000	NC	5500	NC	7100	NC	4500
Antimony, Total	2	25	17.7	0.76J	<5U	23.2	1.5J	46	1.2J	12.12	4.3U
Arsenic, Total	6	33	53.1	1.8	<3.6	69.6	1.5	138	3.6	36.36	6.3
Barium, Total	NC	NC	NC	19	<58	NC	19	NC	27	NC	17
Beryllium, Total	NC	NC	NC	0.14J	<0.66	NC	0.18J	NC	0.22J	NC	0.15J
Cadmium, Total	0.6	0.9	5.31	0.09J	<1.2	6.96	0.06J	13.8	0.28J	3.636	0.08J
Calcium, Total	NC	NC	NC	50000	<6500	NC	13000	NC	9600	NC	9800
Chromium, Total	26	110	230.1	5	<20	301.6	6.4	598	10	157.56	6.4
Cobalt, Total	NC	NC	NC	3.2	<14	NC	3.6	NC	7.5	NC	3.1
Copper, Total	16	110	141.6	9.9	<19	185.6	13	368	64	96.96	10
Iron, Total	2000	4000	17700	8200	<24000	23200	11000	46000	16000	12120	<b>13000</b>
Lead, Total	31	110	274.35	6.9	<29	359.6	12	713	56	187.86	15
Magnesium, Total	NC	NC	NC	18000	<11000	NC	9000	NC	8200	NC	6800
Manganese, Total	460	1100	4071	570	<430	5336	350	10580	510	2787.6	350
Mercury, Total	0.15	1.3	1.3275	0.08U	<0.04J	1.74	0.02J	3.45	0.08J	0.909	0.1U
Nickel, Total	16	50	141.6	8	<20	185.6	8.5	368	<b>460</b>	96.96	7.4
Potassium, Total	NC	NC	NC	960	<1600	NC	810	NC	900	NC	580
Selenium, Total	NC	NC	NC	1.5U	<2U	NC	1.7U	NC	1.9U	NC	1.7U
Silver, Total	1	2.2	8.85	0.73U	<1U	11.6	0.86U	23	0.94U	6.06	0.87U
Sodium, Total	NC	NC	NC	98J	<470	NC	160J	NC	190	NC	94J
Thallium, Total	NC	NC	NC	1.5U	<1.2J	NC	1.7U	NC	0.66J	NC	1.7U
Vanadium, Total	NC	NC	NC	15	<29	NC	9.9	NC	12	NC	8.1
Zinc, Total	120	270	1062	31	<300	1392	40	2760	130	727.2	36

**Notes:**

1. Sample Specific ALCT value calculated as per NYS DEC 1999 based on total organic carbon for each sample. Sediments dated January 1999.
2. Values bolded and shaded exceed a Sample Specific ALCT value.
3. Duplicate samples shown to the right of primary sample results.
4. NC indicates No Criteria for analyte.

**TABLE 10**  
**HUMAN HEALTH EXPOSURE ASSESSMENT**  
**CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

<b>Environmental Media &amp; Exposure Route</b>	<b>Human Exposure Assessment</b>
Direct contact with surface or subsurface soils (and accidental ingestion)	<p>People will not come into contact with contaminated surface or subsurface soil for the following reasons:</p> <ul style="list-style-type: none"> <li>• Soil results were below restricted residential criteria. No contaminated soils are present at the Site.</li> <li>• The property will be re-developed to achieve restricted residential conditions to limit exposure to site soil. After renovation the site area will be under the building or will be paved. No exposed soil will be present after building renovations are completed.</li> <li>• Building renovations will be limited to repairs to the existing building and will not include significant excavation work.</li> </ul>
Ingestion of groundwater	<p>People will not ingest contaminated groundwater for the following reasons:</p> <ul style="list-style-type: none"> <li>• A well search completed in 2008 indicated no potable water wells are present within 1,450 ft away from the Site.</li> <li>• Village residents and businesses are connected to the public water supply.</li> </ul>
Direct contact with groundwater	<p>People will not come into contact with contaminated groundwater for the following reasons:</p> <ul style="list-style-type: none"> <li>• Building renovations will be limited to repairs to the existing building and will not include significant excavation work. Therefore no human exposure to groundwater will occur during renovation. After building renovation the site will be paved and no exposure route for groundwater will be present.</li> </ul>
Inhalation of air (exposures related to soil vapor intrusion)	<p>People will not come into contact with contaminated soil vapor for the following reasons:</p> <ul style="list-style-type: none"> <li>• A sub-slab depressurization system will be installed as part of the building redevelopment to mitigate any vapor impacts, which could be present.</li> <li>• Indoor air and sub-slab vapor samples will be collected after the building renovation is completed to ensure no vapor intrusion issues are present.</li> </ul>
Other	<p>People will not come into contact with stream sediment or surface water for the following reasons:</p> <ul style="list-style-type: none"> <li>• The property will be re-developed to achieve restricted residential conditions.</li> <li>• The stream is very shallow and is not suitable for recreation.</li> <li>• The stream receives drainage from numerous industrial properties, roads and parking lots upgradient of the Site. Samples collected during the RI indicate sediment impacts are nominal and are not likely to be attributable to the Site.</li> </ul>

# **Appendix A**

## **Boring Logs and Well Construction Forms**

**2007/2008 Well Construction Information and  
Boring Logs**

**APPENDIX A**  
**2007/2008 WELL CONSTRUCTION DETAILS**  
**CORNERSTONE ENTERPRISES, PAWLING, NEW YORK**

<b>Well ID</b>	<b>Total Depth (ft bgs) (1)</b>	<b>Screen Length (ft) (2)</b>	<b>Well Material</b>	<b>Sand Pack</b>	<b>Well Diameter (in)</b>
GW-1	Unknown	10	PVC	None	1.5
GW-2	Unknown	10	PVC	None	1.5
GW-3	Unknown	10	PVC	None	1.5
GW-4	Unknown	10	PVC	None	1.5
GW-5	Unknown	10	PVC	None	1.5
GW-6	13.80	10	PVC	None	1.5
GW-7	Unknown	10	PVC	None	1.5
GW-8	Unknown	10	PVC	None	1.5
GW-9	13.70	10	PVC	None	1.5
GW-10	14.70	10	PVC	None	1.5

Note:

(1) Total depths of unknown wells believed to be approximately 15 ft bgs based on construction of GW-6, GW-9 and GW-10.

(2) 10 ft screen assumed based on construction of GW-6, GW-9 and GW-10.

Ft bgs indicates feet below ground surface.



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**SOIL BORING LOG**

BOREHOLE NO.: **GB-1**

TOTAL DEPTH: **12'**

**PROJECT INFORMATION**

PROJECT #: **RP060080**  
 SITE LOCATION: **Riley's Garage - Pawling**  
 LOGGED BY: **B. Goodwin, C. Brown, S. LaRose**  
 PROJECT MANAGER: **Chris Brown**  
 DATES DRILLED: **8-14-07 and 8-15-07**

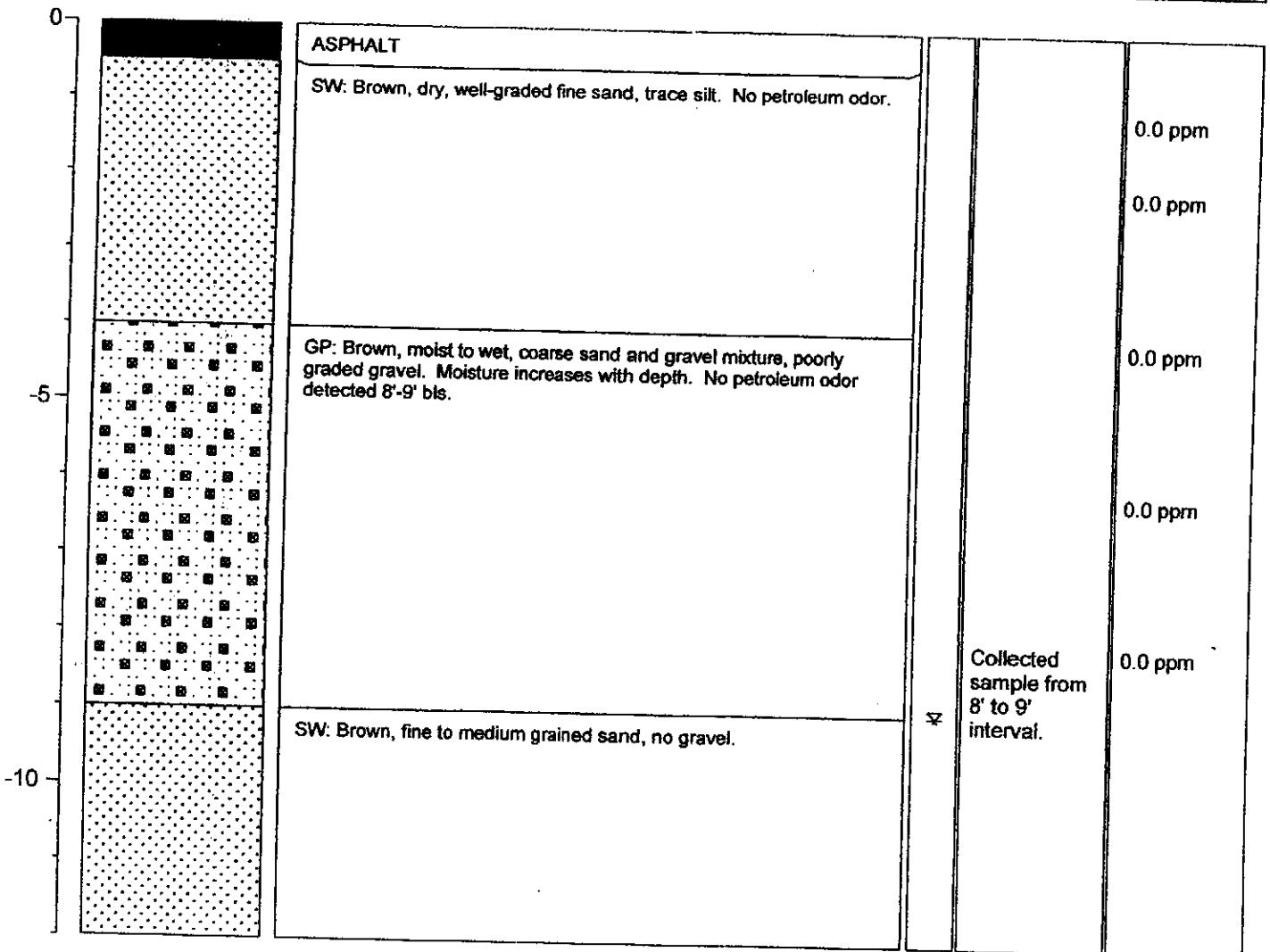
**DRILLING INFORMATION**

DRILLING CO.: **Syska**  
 RIG TYPE: **Geoprobe 54DT**  
 METHOD OF DRILLING: **Direct Push**  
 SAMPLING METHODS: **4' Macro Core**  
 HAMMER WT./DROP **N/A**  
 DEPTH TO WATER **9'**

NOTES:  
80 degrees F

☒ Water level during drilling

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
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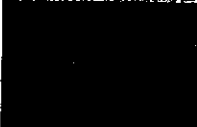
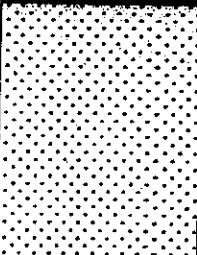
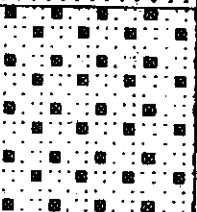
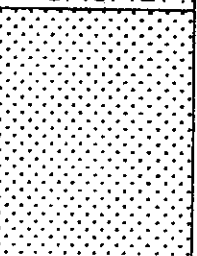

## SOIL BORING LOG

BOREHOLE NO.: **GB-2**

TOTAL DEPTH: **12'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT #:	RP060080	DRILLING CO.:	Syska
SITE LOCATION:	Riley's Garage - Pawling	RIG TYPE:	Geoprobe 54DT
LOGGED BY:	B. Goodwin, C. Brown, S. LaRose	METHOD OF DRILLING:	Direct Push
PROJECT MANAGER:	Chris Brown	SAMPLING METHODS:	4' Macro Core
DATES DRILLED:	8-14-07 and 8-15-07	HAMMER WT./DROP	N/A
		DEPTH TO WATER	9'
NOTES: 80 degrees F		 Water level during drilling	

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
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0		TOPSOIL: Brown, dry		0.0 ppm
		COAL: Coal and ash, black and gray, dry. No petroleum odor.		0.0 ppm
-5		SW: Brown, dry, medium to coarse sand, trace gravel. No petroleum odor.		0.0 ppm
		GP: Brown, moist, coarse sand with gravel, gravel-sand mixture. No petroleum odor.		0.0 ppm
-10		SW: Brown, saturated, fine to medium sand, well-graded sand, no gravel. No petroleum odor.	 Collected sample from 8' to 9' interval.	0.0 ppm



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**SOIL BORING LOG**

BOREHOLE NO.: **GB-3**

TOTAL DEPTH: **12'**

**PROJECT INFORMATION**

PROJECT #: **RP060080**  
 SITE LOCATION: **Riley's Garage - Pawling**  
 LOGGED BY: **B. Goodwin, C. Brown, S. LaRose**  
 PROJECT MANAGER: **Chris Brown**  
 DATES DRILLED: **8-14-07 and 8-15-07**

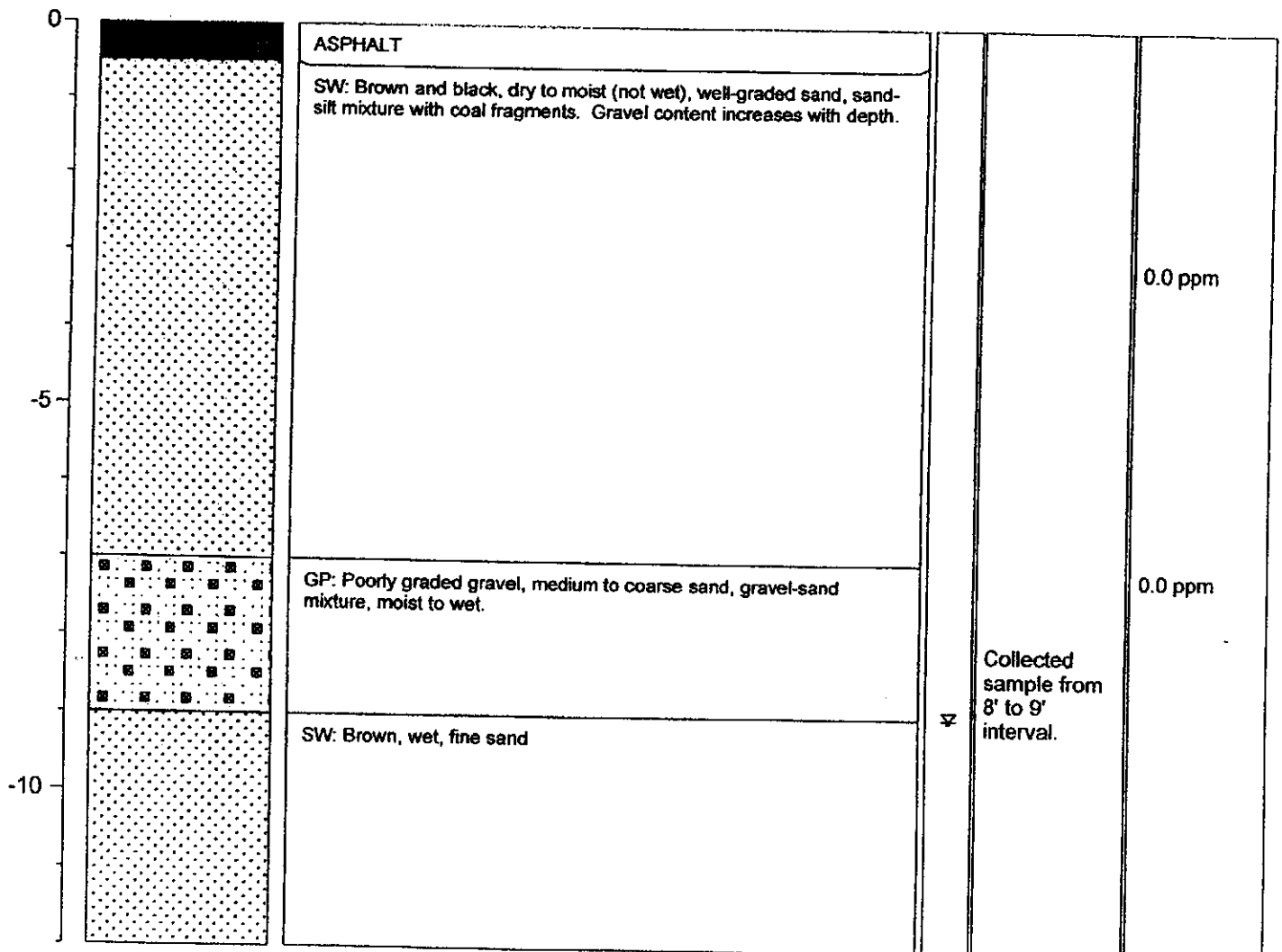
**DRILLING INFORMATION**

DRILLING CO.: **Syska**  
 RIG TYPE: **Geoprobe 54DT**  
 METHOD OF DRILLING: **Direct Push**  
 SAMPLING METHODS: **4' Macro Core**  
 HAMMER WT./DROP **N/A**  
 DEPTH TO WATER **9'**

NOTES:  
**80 degrees F**

☞ **Water level during drilling**

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
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**SOIL BORING LOG**

BOREHOLE NO.: **GB-4**

TOTAL DEPTH: **10.5'**

**PROJECT INFORMATION**

PROJECT #: **RP060080**  
 SITE LOCATION: **Riley's Garage - Pawling**  
 LOGGED BY: **B. Goodwin, C. Brown, S. LaRose**  
 PROJECT MANAGER: **Chris Brown**  
 DATES DRILLED: **8-14-07 and 8-15-07**

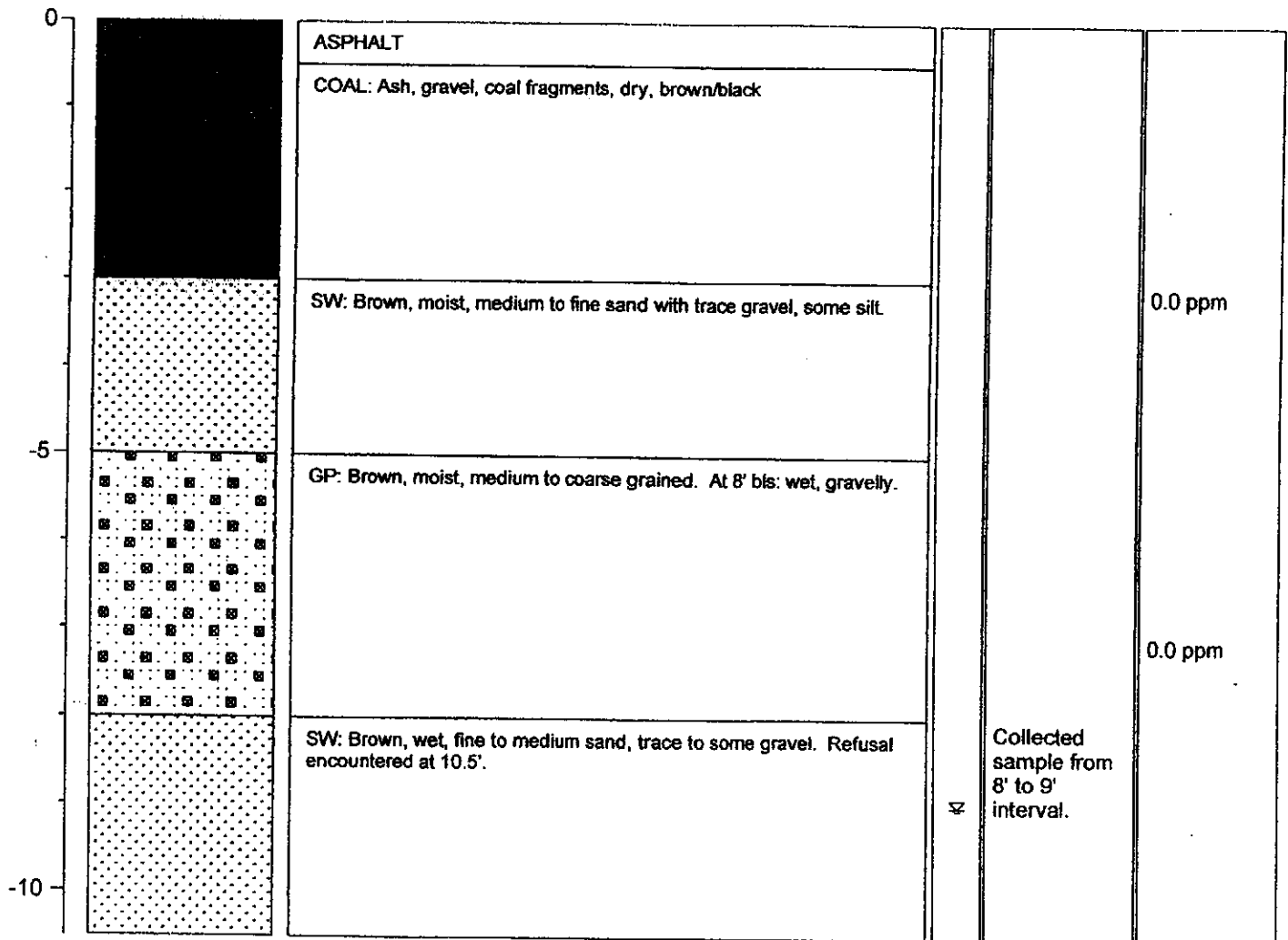
**DRILLING INFORMATION**

DRILLING CO.: **Syska**  
 RIG TYPE: **Geoprobe 54DT**  
 METHOD OF DRILLING: **Direct Push**  
 SAMPLING METHODS: **4' Macro Core**  
 HAMMER WT./DROP: **N/A**  
 DEPTH TO WATER: **9'**

NOTES:  
**80 degrees F**

☒ Water level during drilling

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
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## SOIL BORING LOG

BOREHOLE NO.: GB-5

TOTAL DEPTH: 12'

### PROJECT INFORMATION

PROJECT #: RP060080  
 SITE LOCATION: Riley's Garage - Pawling  
 LOGGED BY: B. Goodwin, C. Brown, S. LaRose  
 PROJECT MANAGER: Chris Brown  
 DATES DRILLED: 8-14-07 and 8-15-07

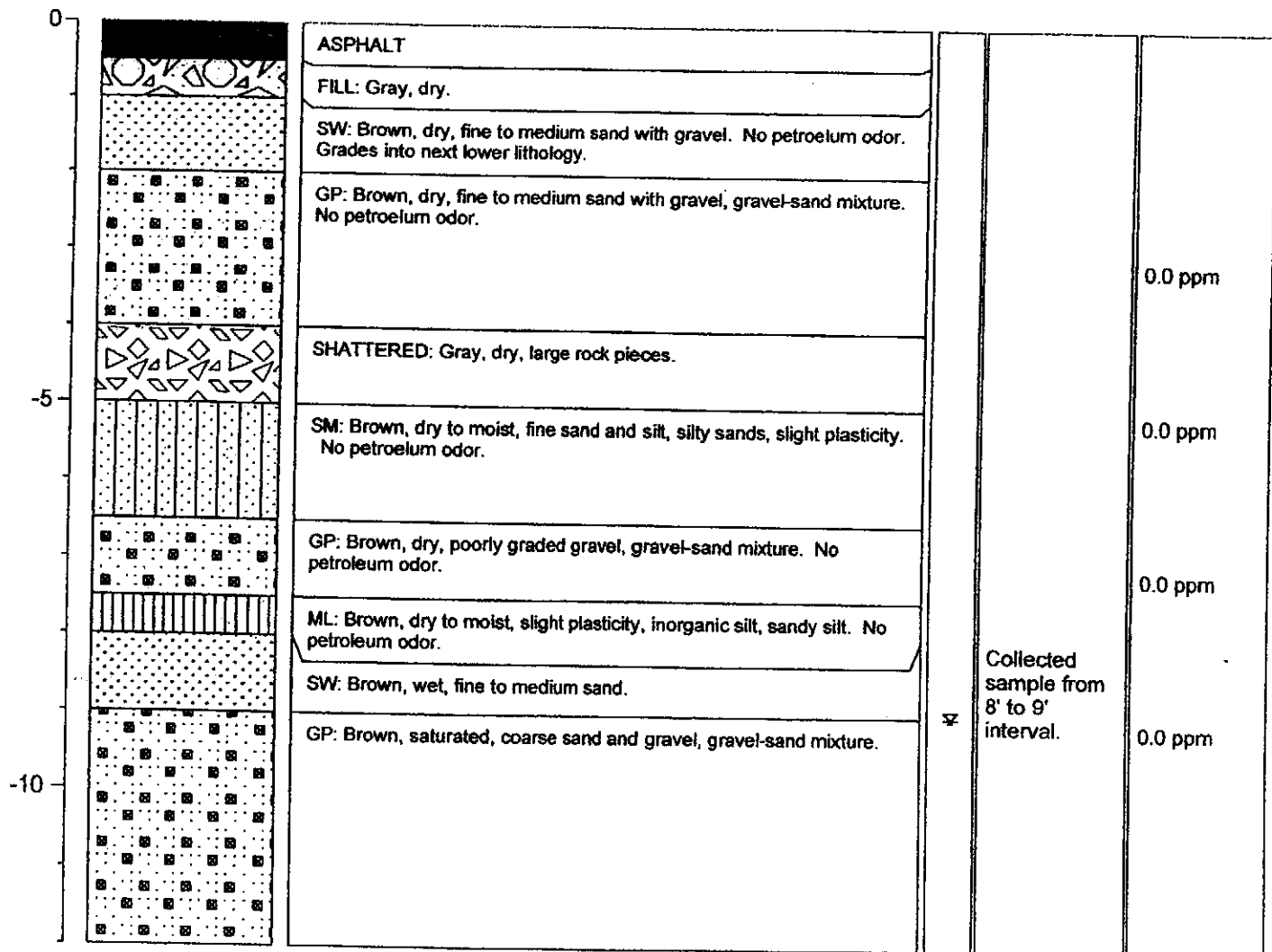
### DRILLING INFORMATION

DRILLING CO.: Syska  
 RIG TYPE: Geoprobe 54DT  
 METHOD OF DRILLING: Direct Push  
 SAMPLING METHODS: 4' Macro Core  
 HAMMER WT./DROP N/A  
 DEPTH TO WATER 9'

NOTES:  
80 degrees F

☒ Water level during drilling

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
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## SOIL BORING LOG

BOREHOLE NO.: **GB-6**

TOTAL DEPTH: **12'**

### PROJECT INFORMATION

PROJECT #: **RP060080**  
 SITE LOCATION: **Riley's Garage - Pawling**  
 LOGGED BY: **B. Goodwin, C. Brown, S. LaRose**  
 PROJECT MANAGER: **Chris Brown**  
 DATES DRILLED: **8-14-07 and 8-15-07**

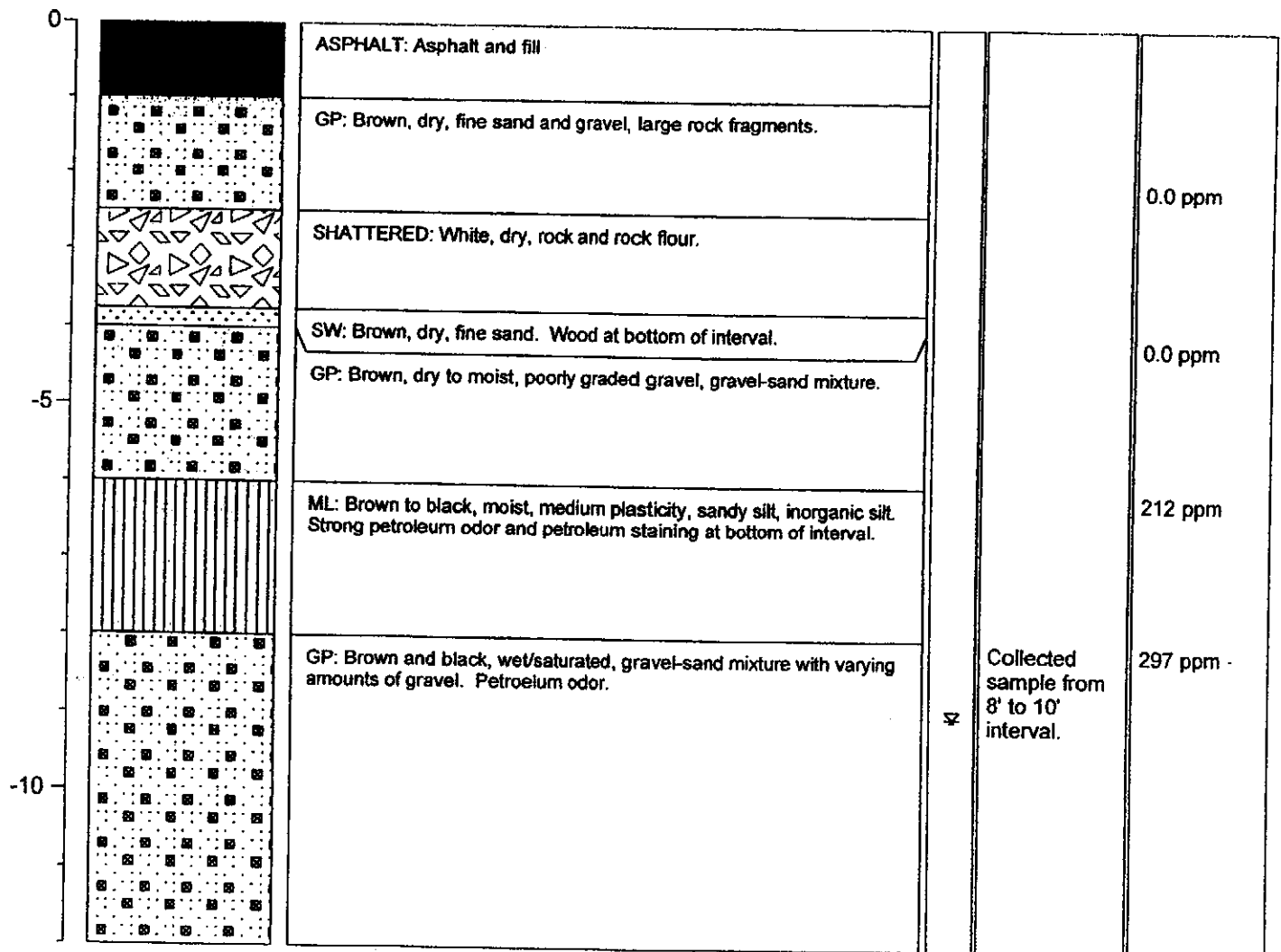
### DRILLING INFORMATION

DRILLING CO.: **Syska**  
 RIG TYPE: **Geoprobe 54DT**  
 METHOD OF DRILLING: **Direct Push**  
 SAMPLING METHODS: **4' Macro Core**  
 HAMMER WT./DROP **N/A**  
 DEPTH TO WATER **9'**

NOTES:  
80 degrees F

☒ Water level during drilling

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
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## SOIL BORING LOG

BOREHOLE NO.: GB-7

TOTAL DEPTH: 12'

### PROJECT INFORMATION

PROJECT #: RP060080  
 SITE LOCATION: Riley's Garage - Pawling  
 LOGGED BY: B. Goodwin, C. Brown, S. LaRose  
 PROJECT MANAGER: Chris Brown  
 DATES DRILLED: 8-14-07 and 8-15-07

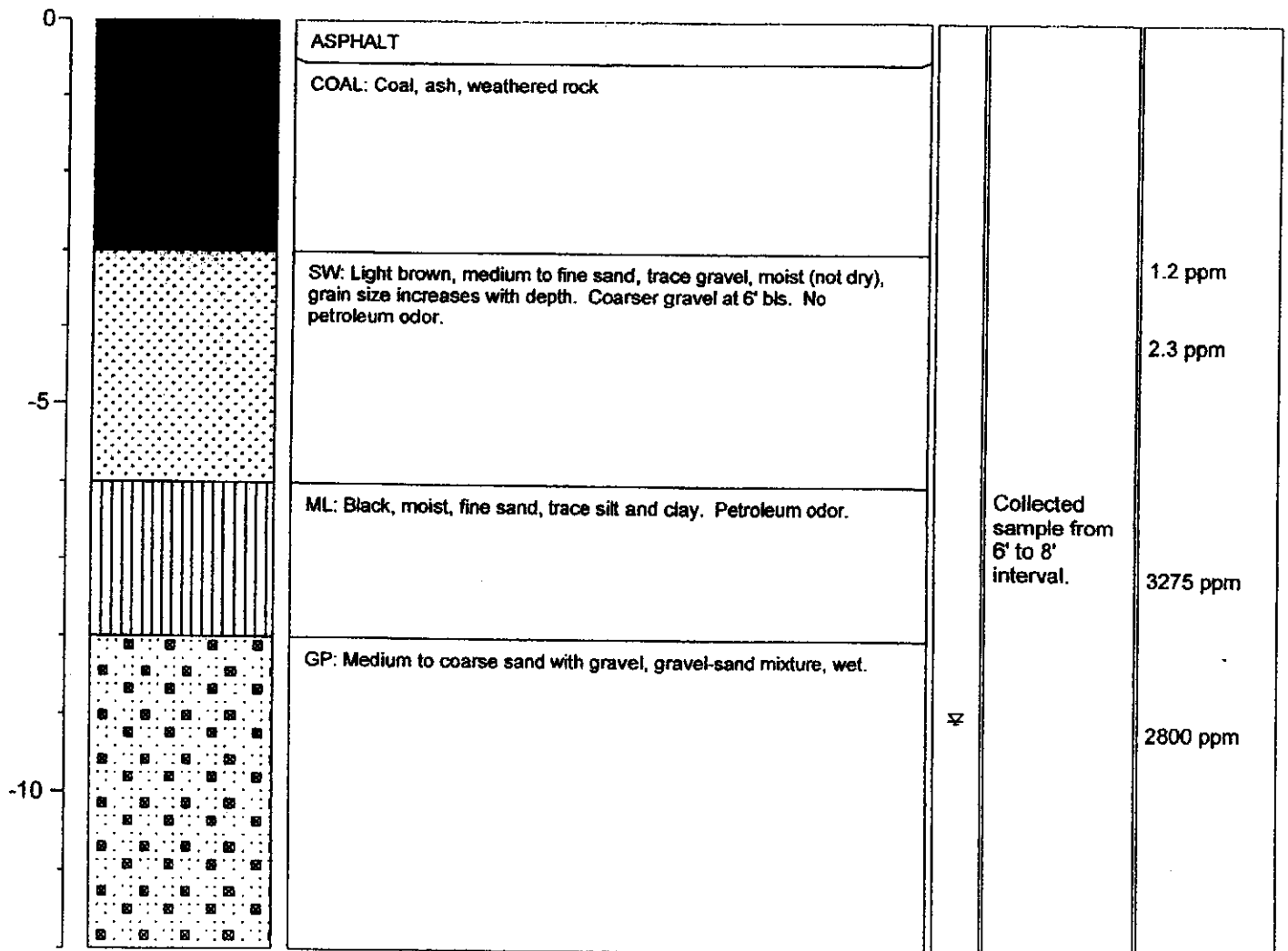
### DRILLING INFORMATION

DRILLING CO.: Syska  
 RIG TYPE: Geoprobe 54DT  
 METHOD OF DRILLING: Direct Push  
 SAMPLING METHODS: 4' Macro Core  
 HAMMER WT./DROP N/A  
 DEPTH TO WATER 9'

NOTES:  
80 degrees F

☒ Water level during drilling

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
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**SOIL BORING LOG**

BOREHOLE NO.: **GB-8**

TOTAL DEPTH: **12'**

**PROJECT INFORMATION**

PROJECT #: **RP060080**  
 SITE LOCATION: **Riley's Garage - Pawling**  
 LOGGED BY: **B. Goodwin, C. Brown, S. LaRose**  
 PROJECT MANAGER: **Chris Brown**  
 DATES DRILLED: **8-14-07 and 8-15-07**

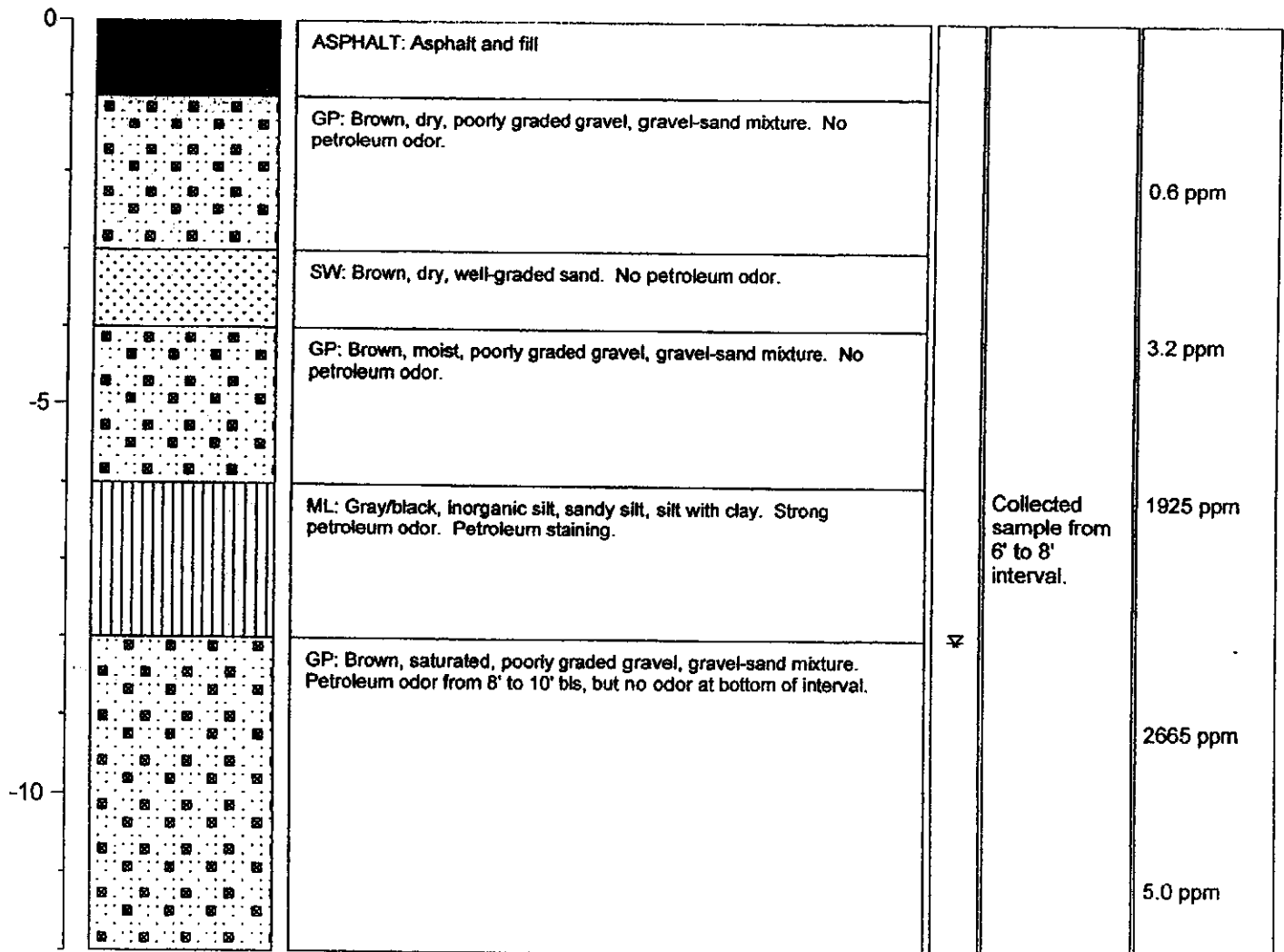
**DRILLING INFORMATION**

DRILLING CO.: **Syska**  
 RIG TYPE: **Geoprobe 54DT**  
 METHOD OF DRILLING: **Direct Push**  
 SAMPLING METHODS: **4' Macro Core**  
 HAMMER WT./DROP: **N/A**  
 DEPTH TO WATER: **8'**

NOTES:  
**80 degrees F**

☞ Water level during drilling

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
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**SOIL BORING LOG**

BOREHOLE NO.: **GB-9**

TOTAL DEPTH: **8'**

**PROJECT INFORMATION**

PROJECT #: **RP060080**  
 SITE LOCATION: **Riley's Garage - Pawling**  
 LOGGED BY: **B. Goodwin, C. Brown, S. LaRose**  
 PROJECT MANAGER: **Chris Brown**  
 DATES DRILLED: **8-14-07 and 8-15-07**

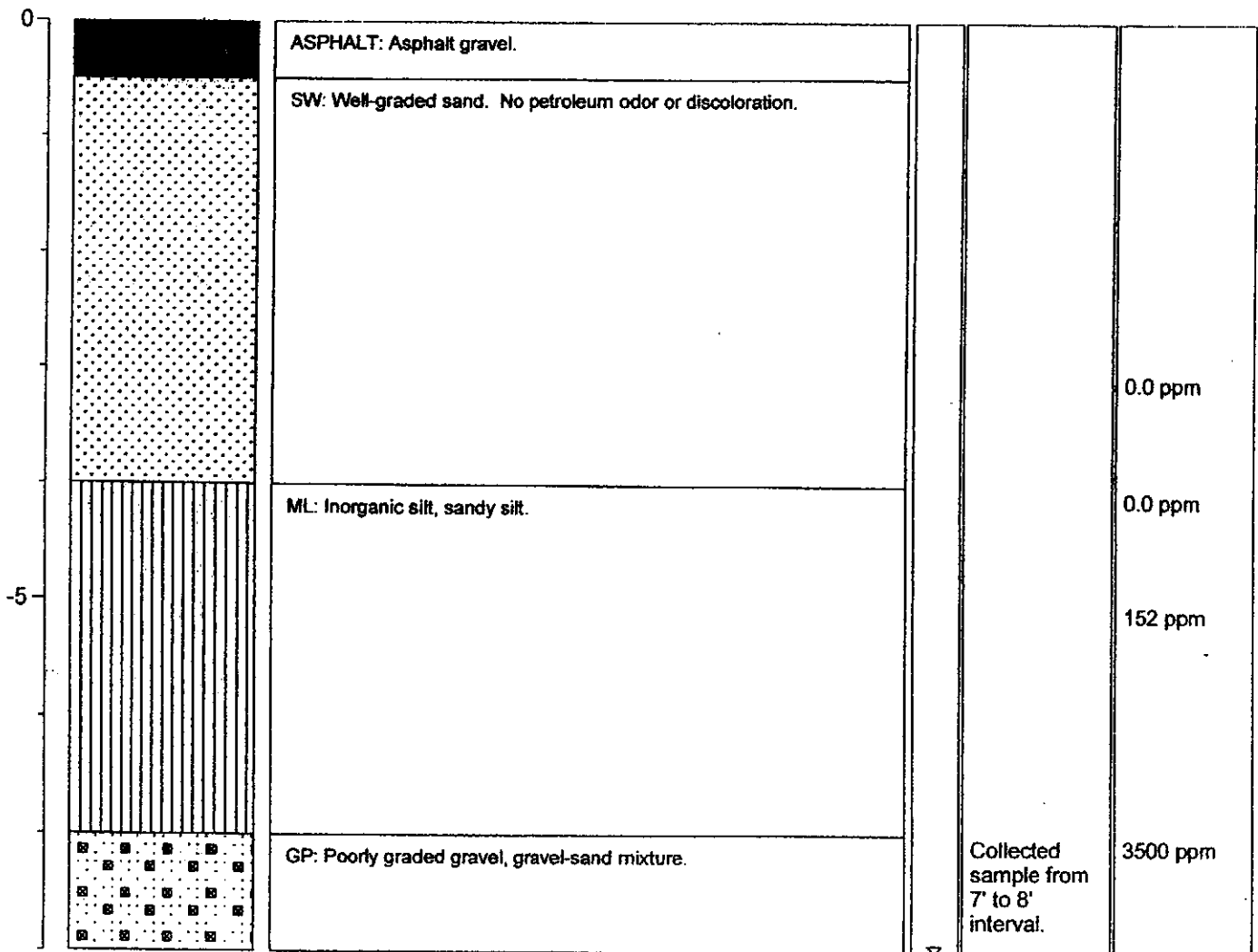
**DRILLING INFORMATION**

DRILLING CO.: **Syska**  
 RIG TYPE: **Geoprobe 54DT**  
 METHOD OF DRILLING: **Direct Push**  
 SAMPLING METHODS: **4' Macro Core**  
 HAMMER WT./DROP **N/A**  
 DEPTH TO WATER **8'**

NOTES:  
**80 degrees F**

☒ Water level during drilling

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
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**SOIL BORING LOG**

BOREHOLE NO.: **GB-10**

TOTAL DEPTH: **12'**

**PROJECT INFORMATION**

PROJECT #: **RP060080**  
 SITE LOCATION: **Riley's Garage - Pawling**  
 LOGGED BY: **B. Goodwin, C. Brown, S. LaRose**  
 PROJECT MANAGER: **Chris Brown**  
 DATES DRILLED: **8-14-07 and 8-15-07**

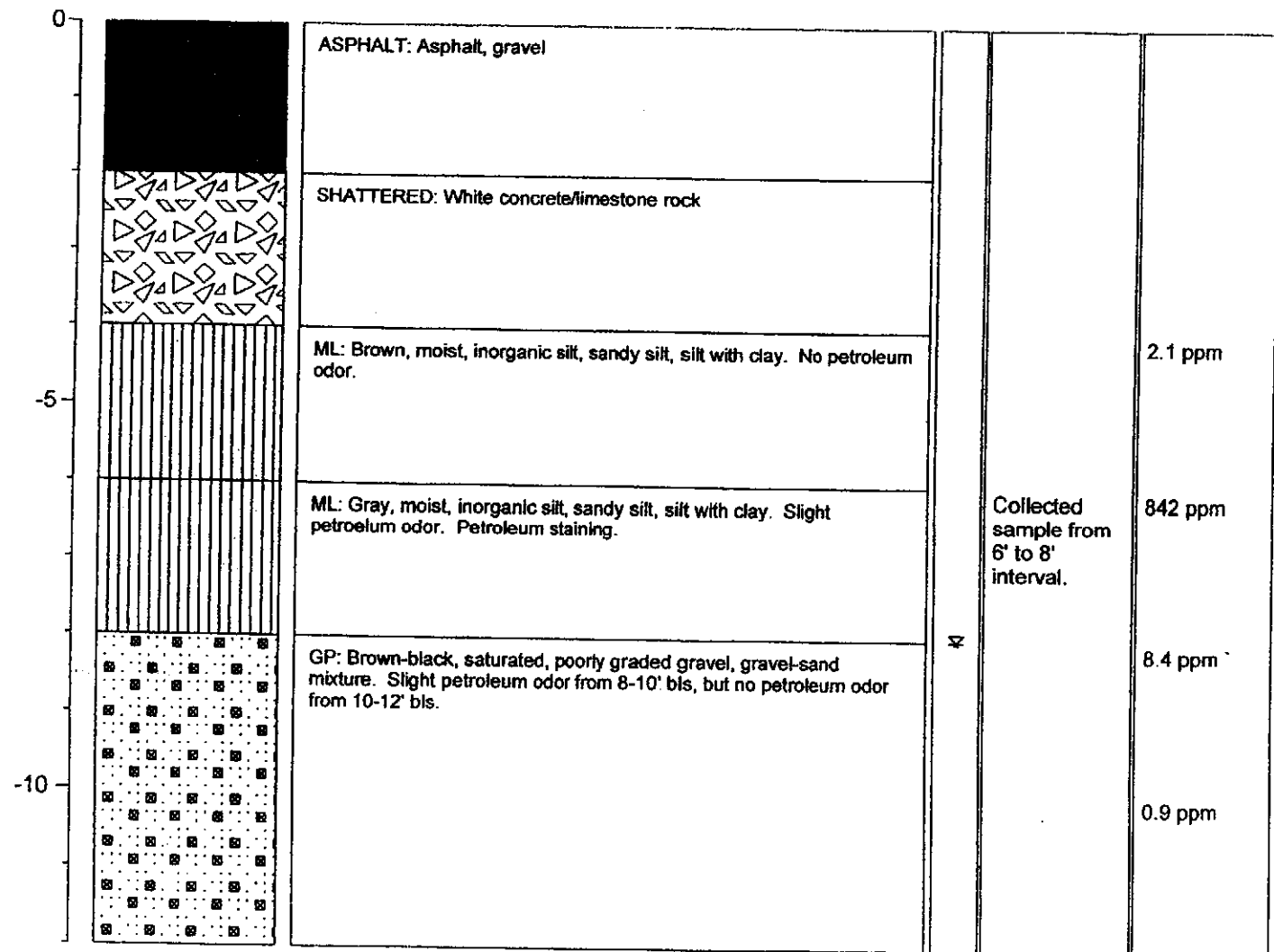
**DRILLING INFORMATION**

DRILLING CO.: **Syska**  
 RIG TYPE: **Geoprobe 54DT**  
 METHOD OF DRILLING: **Direct Push**  
 SAMPLING METHODS: **4' Macro Core**  
 HAMMER WT./DROP **N/A**  
 DEPTH TO WATER **8'**

NOTES:  
**80 degrees F**

☒ Water level during drilling

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
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**SOIL BORING LOG**

BOREHOLE NO.: **GB-11**

TOTAL DEPTH: **11.6'**

**PROJECT INFORMATION**

PROJECT #: **RP060080**  
 SITE LOCATION: **Riley's Garage - Pawling**  
 LOGGED BY: **B. Goodwin, C. Brown, S. LaRose**  
 PROJECT MANAGER: **Chris Brown**  
 DATES DRILLED: **8-14-07 and 8-15-07**

**DRILLING INFORMATION**

DRILLING CO.: **Syska**  
 RIG TYPE: **Geoprobe 54DT**  
 METHOD OF DRILLING: **Direct Push**  
 SAMPLING METHODS: **4' Macro Core**  
 HAMMER WT./DROP **N/A**  
 DEPTH TO WATER **8'**

NOTES:  
**80 degrees F**

☒ Water level during drilling

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
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0		TOPSOIL: Black, dry, topsoil.		
		SHATTERED: White to brown, rocks, rock flour, some gravel-sand mixture. No petroleum odor.		
-5		GP: Brown, moist, poorly graded gravel, gravel-sand mixture.		20 ppm
		ML: Brown-black, wet, inorganic silt, sandy silt, silt with clay. Petroleum odor.	Collected sample from 6' to 8' interval.	881 ppm
		GP: Brown-black, wet, poorly graded gravel, gravel-sand mixture.	☒	9 ppm
-10		SW: Brown to tan, wet, well-graded sand. Refusal encountered at 11.6' bls.		



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**SOIL BORING LOG**

BOREHOLE NO.: **GB-12**

TOTAL DEPTH: **8'**

**PROJECT INFORMATION**

PROJECT #: **RP060080**  
 SITE LOCATION: **Riley's Garage - Pawling**  
 LOGGED BY: **B. Goodwin, C. Brown, S. LaRose**  
 PROJECT MANAGER: **Chris Brown**  
 DATES DRILLED: **8-14-07 and 8-15-07**


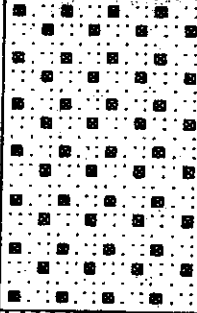
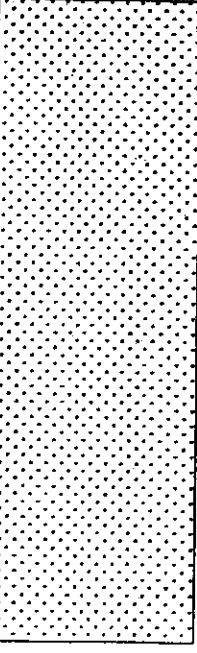
**DRILLING INFORMATION**

DRILLING CO.: **Syska**  
 RIG TYPE: **Geoprobe 54DT**  
 METHOD OF DRILLING: **Direct Push**  
 SAMPLING METHODS: **4' Macro Core**  
 HAMMER WT./DROP: **N/A**  
 DEPTH TO WATER: **Not Encountered**

NOTES:  
**80 degrees F**

∇ Water level during drilling

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
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0	 	<p><b>ASPHALT</b></p> <p>GP: Black, dry, gravel-sand mix, poorly graded gravel.</p>		
-5		<p>SW: Tan to black, dry to moist, well-graded fine-grained sand. Tan from 3-4' bls, brown from 4-6' bls, black from 6-8' bls. Dry from 3-6' bls, moist from 6-8' bls. Boring abandoned at 8' bls due to cave-in.</p>	<p>Collected sample from 6' to 8' interval.</p>	<p>1.2 ppm</p> <p>4300 ppm</p>



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**SOIL BORING LOG**

BOREHOLE NO.: **GB-13**

TOTAL DEPTH: **4'**

**PROJECT INFORMATION**

PROJECT #: **RP060080**  
 SITE LOCATION: **Riley's Garage - Pawling**  
 LOGGED BY: **B. Goodwin, C. Brown, S. LaRose**  
 PROJECT MANAGER: **Chris Brown**  
 DATES DRILLED: **8-14-07 and 8-15-07**

**DRILLING INFORMATION**

DRILLING CO.: **Syska**  
 RIG TYPE: **Geoprobe 54DT**  
 METHOD OF DRILLING: **Direct Push**  
 SAMPLING METHODS: **4' Macro Core**  
 HAMMER WT./DROP: **N/A**  
 DEPTH TO WATER: **Not Encountered**

NOTES:  
**80 degrees F**

Water level during drilling

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
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0		<p>GP: Topsoil, sand-silt-gravel mixture. Refusal encountered at 4' bls.</p>	<p>Collected sample from 2' to 4' interval.</p>	
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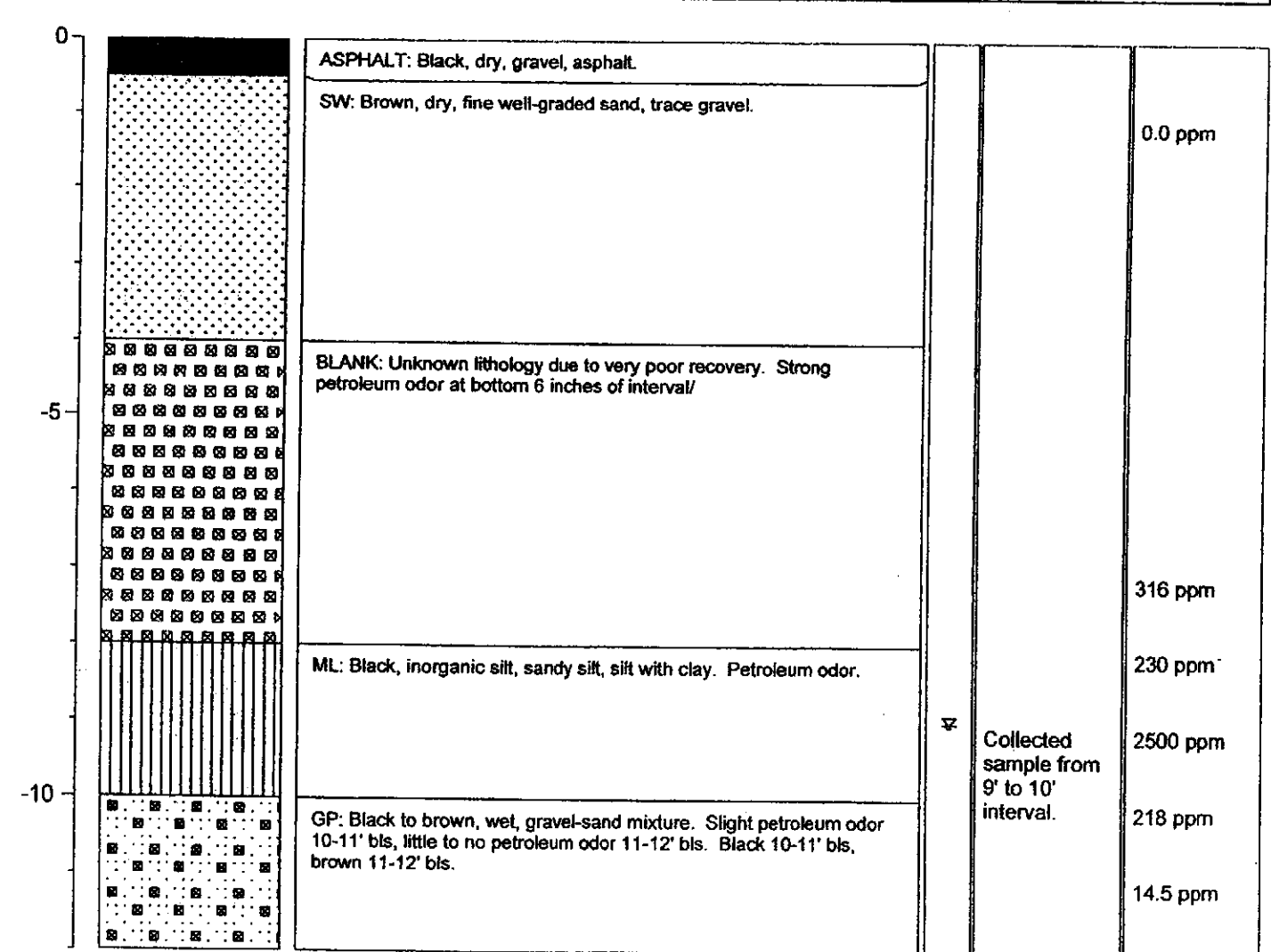
## SOIL BORING LOG

BOREHOLE NO.: GB-14

TOTAL DEPTH: 12'

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT #:	RP060080	DRILLING CO.:	Syska
SITE LOCATION:	Riley's Garage - Pawling	RIG TYPE:	Geoprobe 54DT
LOGGED BY:	B. Goodwin, C. Brown, S. LaRose	METHOD OF DRILLING:	Direct Push
PROJECT MANAGER:	Chris Brown	SAMPLING METHODS:	4' Macro Core
DATES DRILLED:	8-14-07 and 8-15-07	HAMMER WT./DROP	N/A
		DEPTH TO WATER	9'
NOTES: 80 degrees F		☞ Water level during drilling	

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
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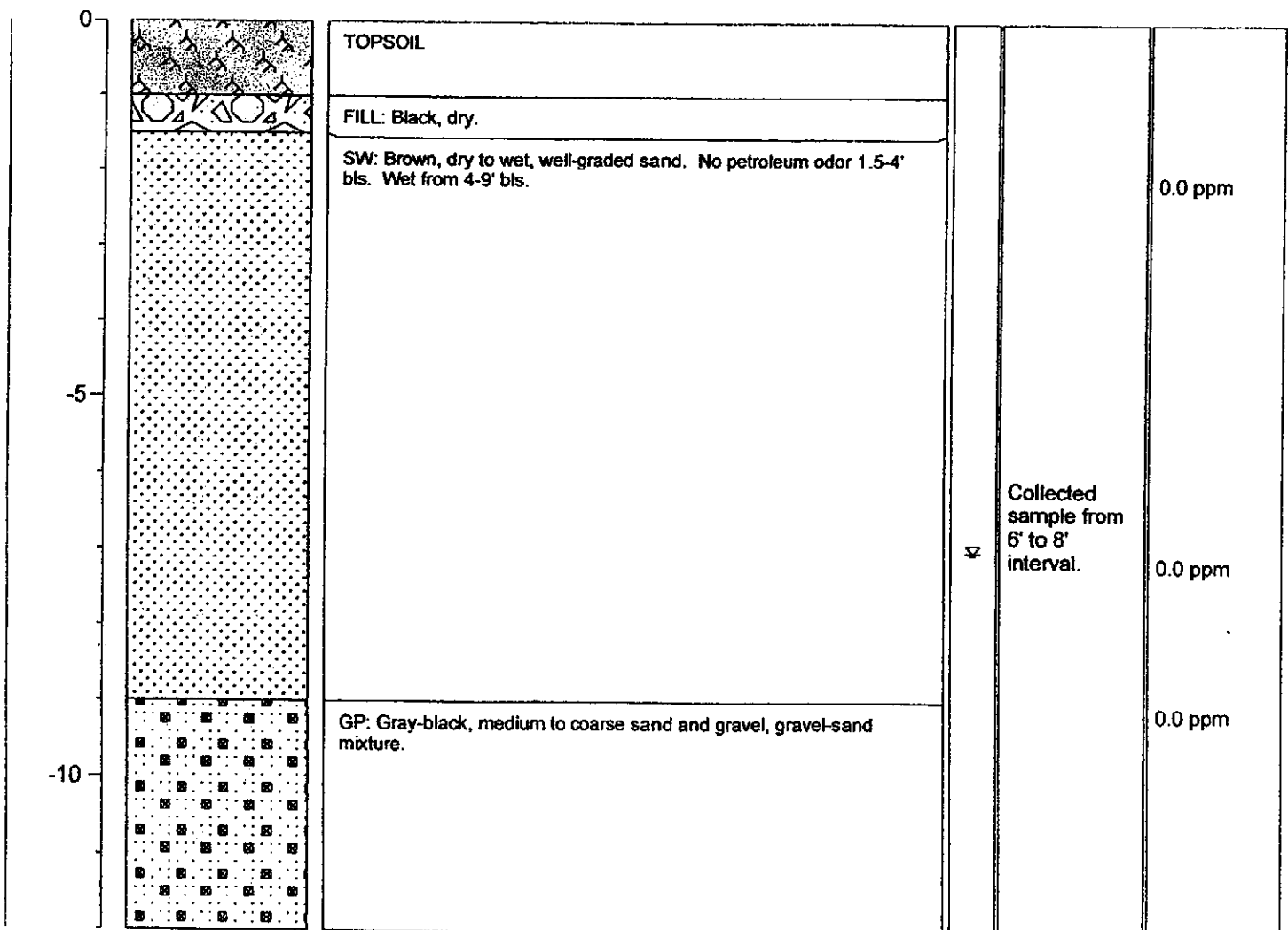
**SOIL BORING LOG**

BOREHOLE NO.: **GB-15**

TOTAL DEPTH: **12'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT #:	<b>RP060080</b>	DRILLING CO.:	<b>Syska</b>
SITE LOCATION:	<b>Riley's Garage - Pawling</b>	RIG TYPE:	<b>Geoprobe 54DT</b>
LOGGED BY:	<b>B. Goodwin, C. Brown, S. LaRose</b>	METHOD OF DRILLING:	<b>Direct Push</b>
PROJECT MANAGER:	<b>Chris Brown</b>	SAMPLING METHODS:	<b>4' Macro Core</b>
DATES DRILLED:	<b>8-14-07 and 8-15-07</b>	HAMMER WT./DROP	<b>N/A</b>
		DEPTH TO WATER	<b>7'</b>
NOTES: <b>80 degrees F</b>		☒ Water level during drilling	

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
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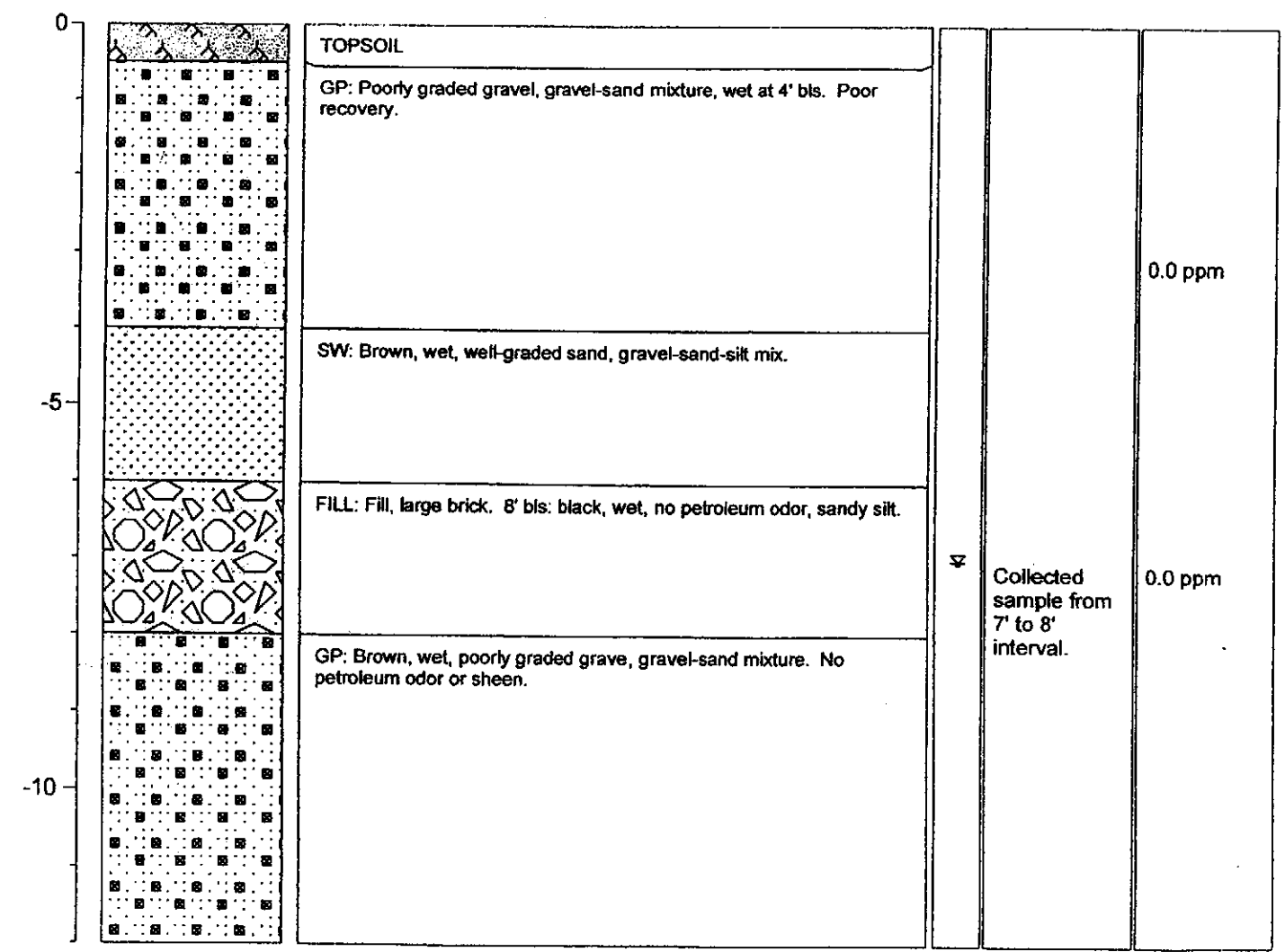
**SOIL BORING LOG**

BOREHOLE NO.: **GB-16**

TOTAL DEPTH: **12'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT #:	RP060080	DRILLING CO.:	Syska
SITE LOCATION:	Riley's Garage - Pawling	RIG TYPE:	Geoprobe 54DT
LOGGED BY:	B. Goodwin, C. Brown, S. LaRose	METHOD OF DRILLING:	Direct Push
PROJECT MANAGER:	Chris Brown	SAMPLING METHODS:	4' Macro Core
DATES DRILLED:	8-14-07 and 8-15-07	HAMMER WT./DROP	N/A
		DEPTH TO WATER	7'
NOTES: 80 degrees F		☒ Water level during drilling	

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
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**SOIL BORING LOG**

BOREHOLE NO.: **GB-17**

TOTAL DEPTH: **12'**

**PROJECT INFORMATION**

PROJECT #: **RP060080**  
 SITE LOCATION: **Riley's Garage - Pawling**  
 LOGGED BY: **B. Goodwin, C. Brown, S. LaRose**  
 PROJECT MANAGER: **Chris Brown**  
 DATES DRILLED: **8-14-07 and 8-15-07**

**DRILLING INFORMATION**

DRILLING CO.: **Syska**  
 RIG TYPE: **Geoprobe 54DT**  
 METHOD OF DRILLING: **Direct Push**  
 SAMPLING METHODS: **4' Macro Core**  
 HAMMER WT./DROP: **N/A**  
 DEPTH TO WATER: **9'**

NOTES:  
**80 degrees F**

☒ Water level during drilling

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
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0		GP: Brown, dry to wet, poorly graded gravel, gravel-sand mixture. Dry from 0-9' bls, wet from 9-12' bls.		0.0 ppm
-5			Collected sample from 6' to 8' interval.	0.0 ppm
-10			☒	0.0 ppm



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**SOIL BORING LOG**

BOREHOLE NO.: **GB-18**

TOTAL DEPTH: **12'**

**PROJECT INFORMATION**

PROJECT #: **RP060080**  
 SITE LOCATION: **Riley's Garage - Pawling**  
 LOGGED BY: **B. Goodwin, C. Brown, S. LaRose**  
 PROJECT MANAGER: **Chris Brown**  
 DATES DRILLED: **8-14-07 and 8-15-07**

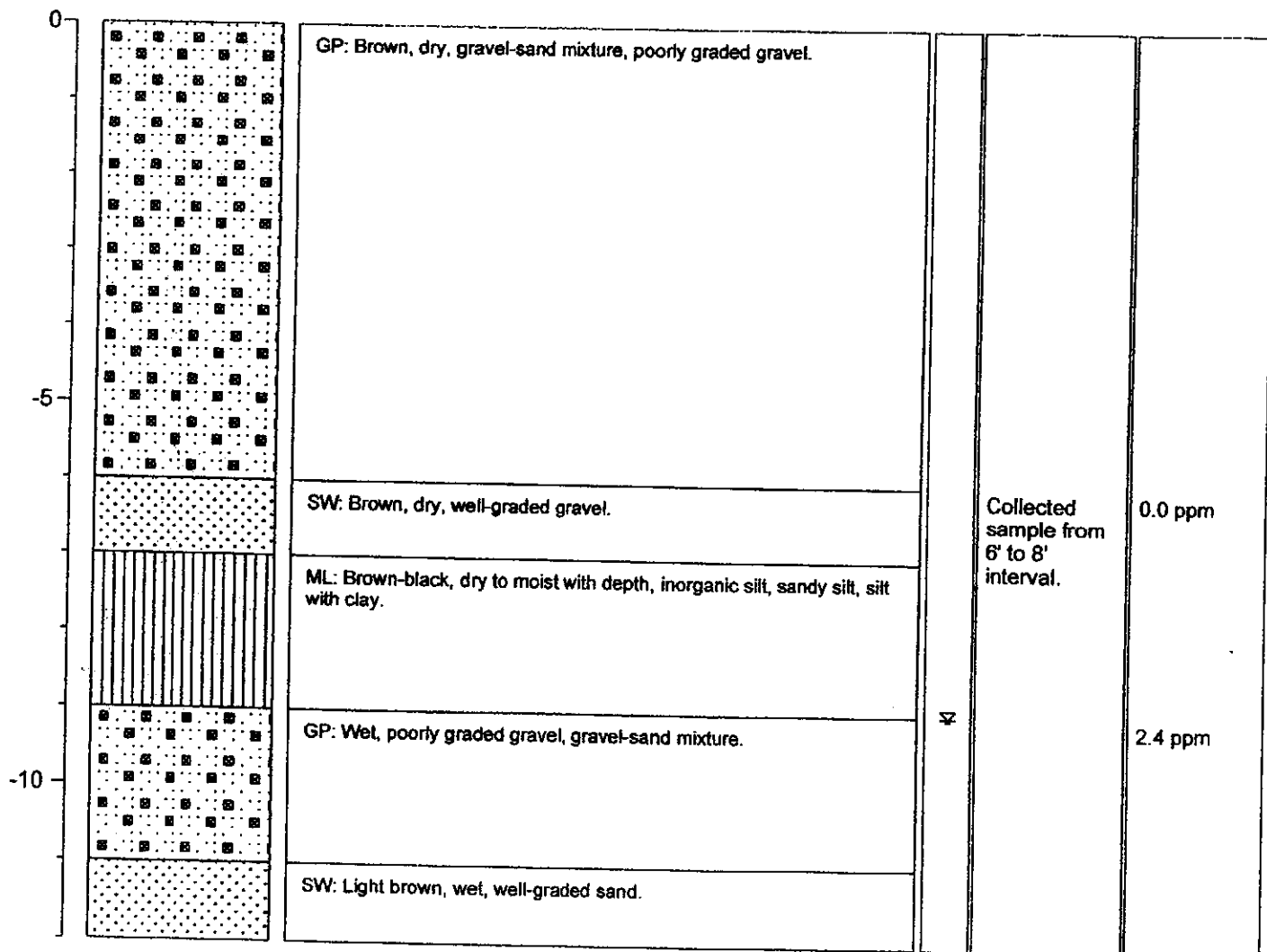
**DRILLING INFORMATION**

DRILLING CO.: **Syska**  
 RIG TYPE: **Geoprobe 54DT**  
 METHOD OF DRILLING: **Direct Push**  
 SAMPLING METHODS: **4' Macro Core**  
 HAMMER WT./DROP **N/A**  
 DEPTH TO WATER **9'**

NOTES:  
**80 degrees F**

☒ **Water level during drilling**

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
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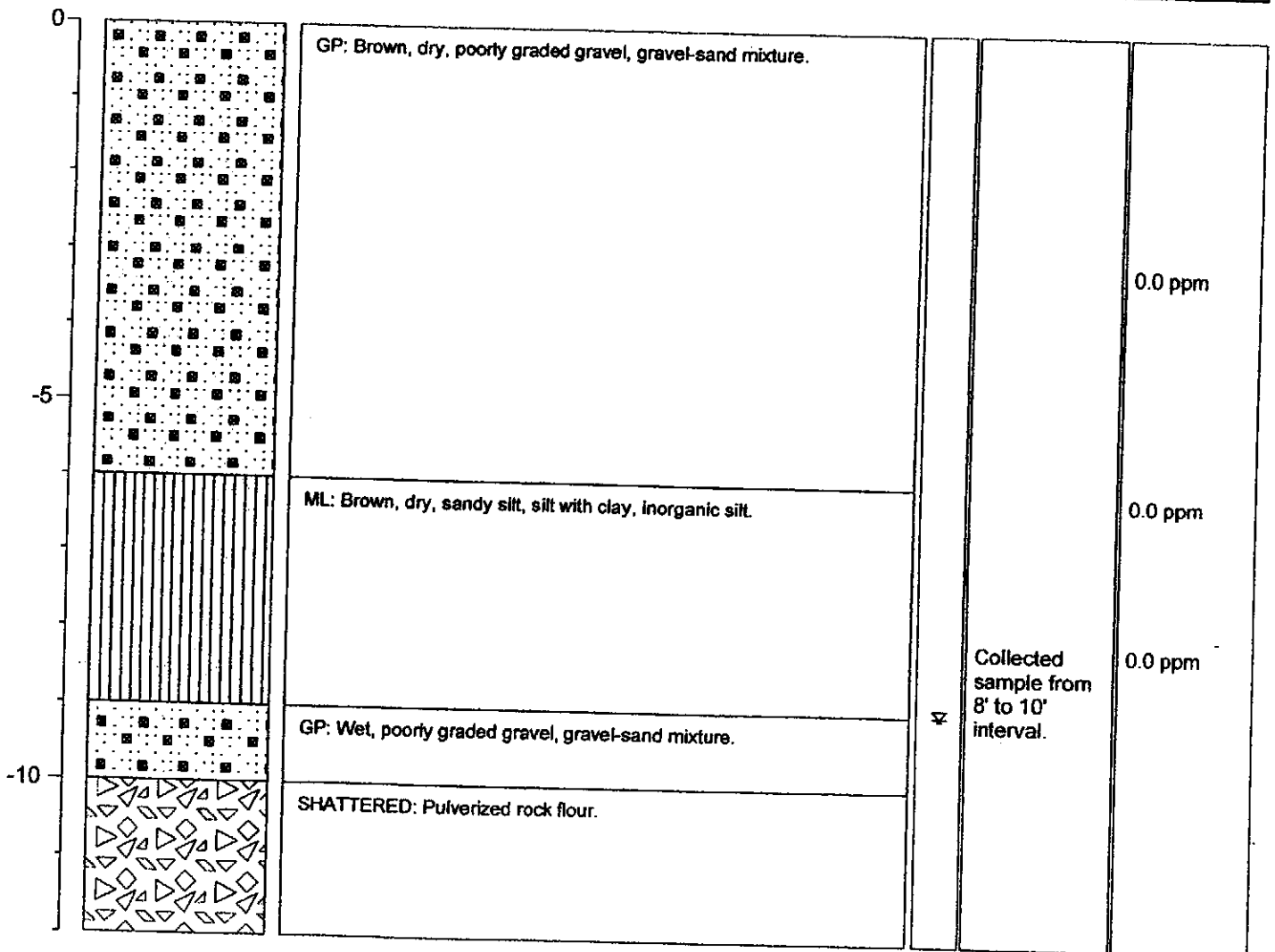
**SOIL BORING LOG**

BOREHOLE NO.: **GB-19**

TOTAL DEPTH: **12'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT #:	<b>RP060080</b>	DRILLING CO.:	<b>Syska</b>
SITE LOCATION:	<b>Riley's Garage - Pawling</b>	RIG TYPE:	<b>Geoprobe 54DT</b>
LOGGED BY:	<b>B. Goodwin, C. Brown, S. LaRose</b>	METHOD OF DRILLING:	<b>Direct Push</b>
PROJECT MANAGER:	<b>Chris Brown</b>	SAMPLING METHODS:	<b>4' Macro Core</b>
DATES DRILLED:	<b>8-14-07 and 8-15-07</b>	HAMMER WT./DROP	<b>N/A</b>
		DEPTH TO WATER	<b>9'</b>
NOTES: <b>80 degrees F</b>		 <b>Water level during drilling</b>	

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
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**SOIL BORING LOG**

BOREHOLE NO.: **GB-20**

TOTAL DEPTH: **12'**

**PROJECT INFORMATION**

PROJECT #: **RP060080**  
 SITE LOCATION: **Riley's Garage - Pawling**  
 LOGGED BY: **B. Goodwin, C. Brown, S. LaRose**  
 PROJECT MANAGER: **Chris Brown**  
 DATES DRILLED: **8-14-07 and 8-15-07**

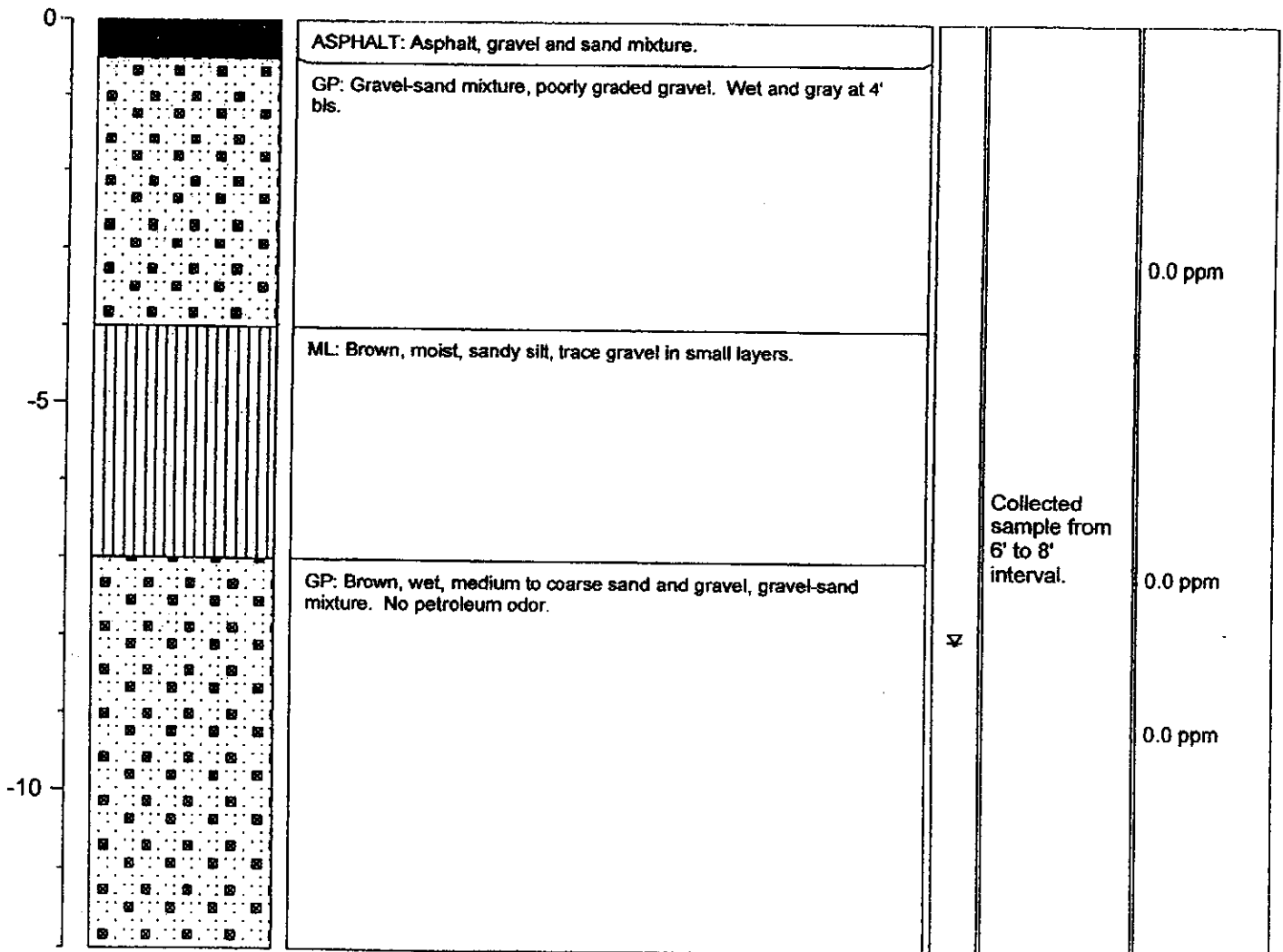
**DRILLING INFORMATION**

DRILLING CO.: **Syska**  
 RIG TYPE: **Geoprobe 54DT**  
 METHOD OF DRILLING: **Direct Push**  
 SAMPLING METHODS: **4' Macro Core**  
 HAMMER WT./DROP **N/A**  
 DEPTH TO WATER **8'**

NOTES:  
**80 degrees F**

☒ Water level during drilling

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
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**SOIL BORING LOG**

BOREHOLE NO.: **GB-21**

TOTAL DEPTH: **12'**

**PROJECT INFORMATION**

PROJECT #: **RP060080**  
 SITE LOCATION: **Riley's Garage - Pawling**  
 LOGGED BY: **B. Goodwin, C. Brown, S. LaRose**  
 PROJECT MANAGER: **Chris Brown**  
 DATES DRILLED: **8-14-07 and 8-15-07**

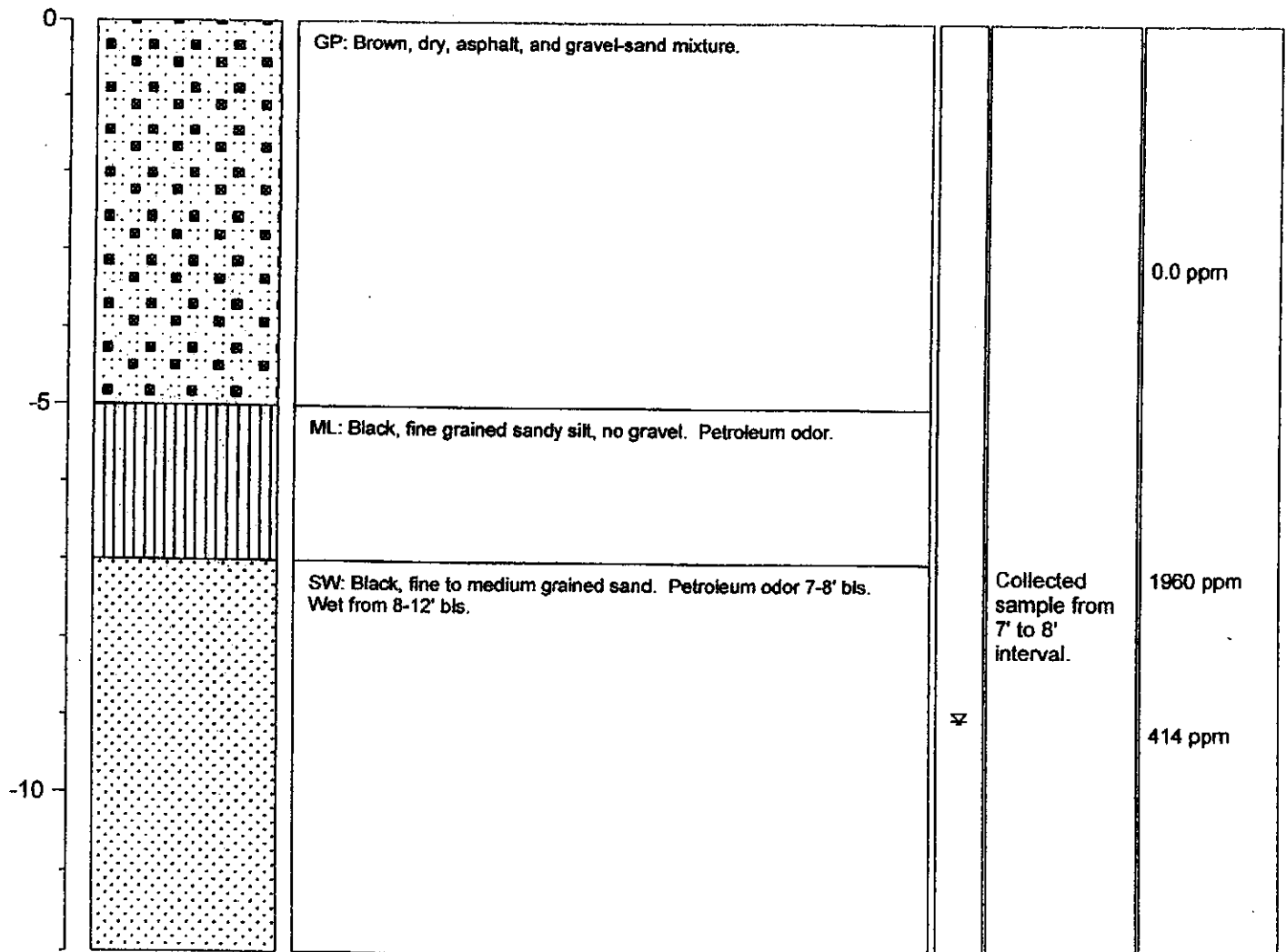
**DRILLING INFORMATION**

DRILLING CO.: **Syska**  
 RIG TYPE: **Geoprobe 54DT**  
 METHOD OF DRILLING: **Direct Push**  
 SAMPLING METHODS: **4' Macro Core**  
 HAMMER WT./DROP **N/A**  
 DEPTH TO WATER **9'**

NOTES:  
**80 degrees F**

∇ Water level during drilling

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
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**SOIL BORING LOG**

BOREHOLE NO.: **GB-22**

TOTAL DEPTH: **12'**

**PROJECT INFORMATION**

PROJECT #: **RP060080**  
 SITE LOCATION: **Riley's Garage - Pawling**  
 LOGGED BY: **B. Goodwin, C. Brown, S. LaRose**  
 PROJECT MANAGER: **Chris Brown**  
 DATES DRILLED: **8-14-07 and 8-15-07**

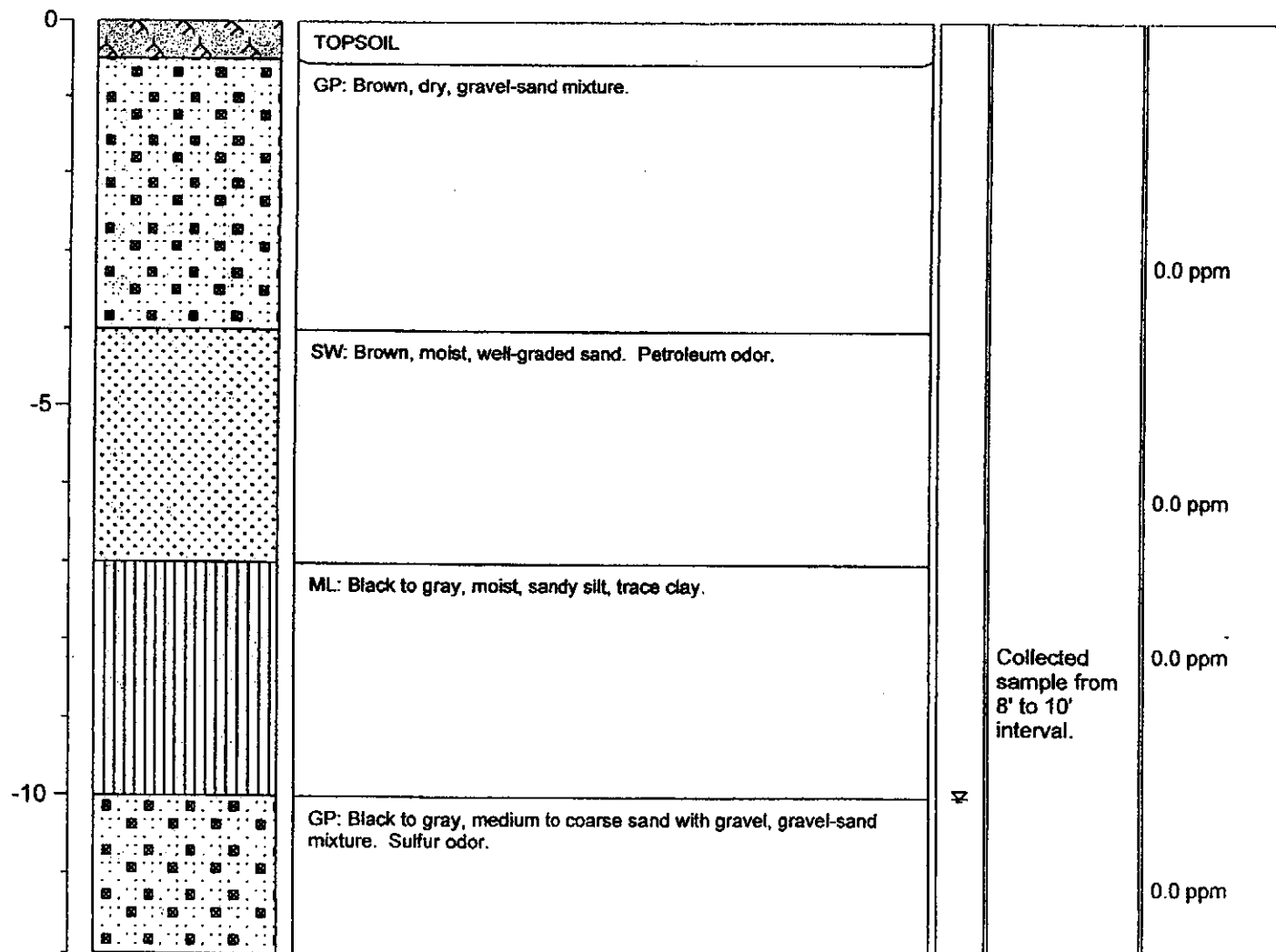
**DRILLING INFORMATION**

DRILLING CO.: **Syska**  
 RIG TYPE: **Geoprobe 54DT**  
 METHOD OF DRILLING: **Direct Push**  
 SAMPLING METHODS: **4' Macro Core**  
 HAMMER WT./DROP: **N/A**  
 DEPTH TO WATER: **10'**

NOTES:  
80 degrees F

∇ Water level during drilling

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
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**SOIL BORING LOG**

BOREHOLE NO.: **GB-23**

TOTAL DEPTH: **8'**

**PROJECT INFORMATION**

**DRILLING INFORMATION**

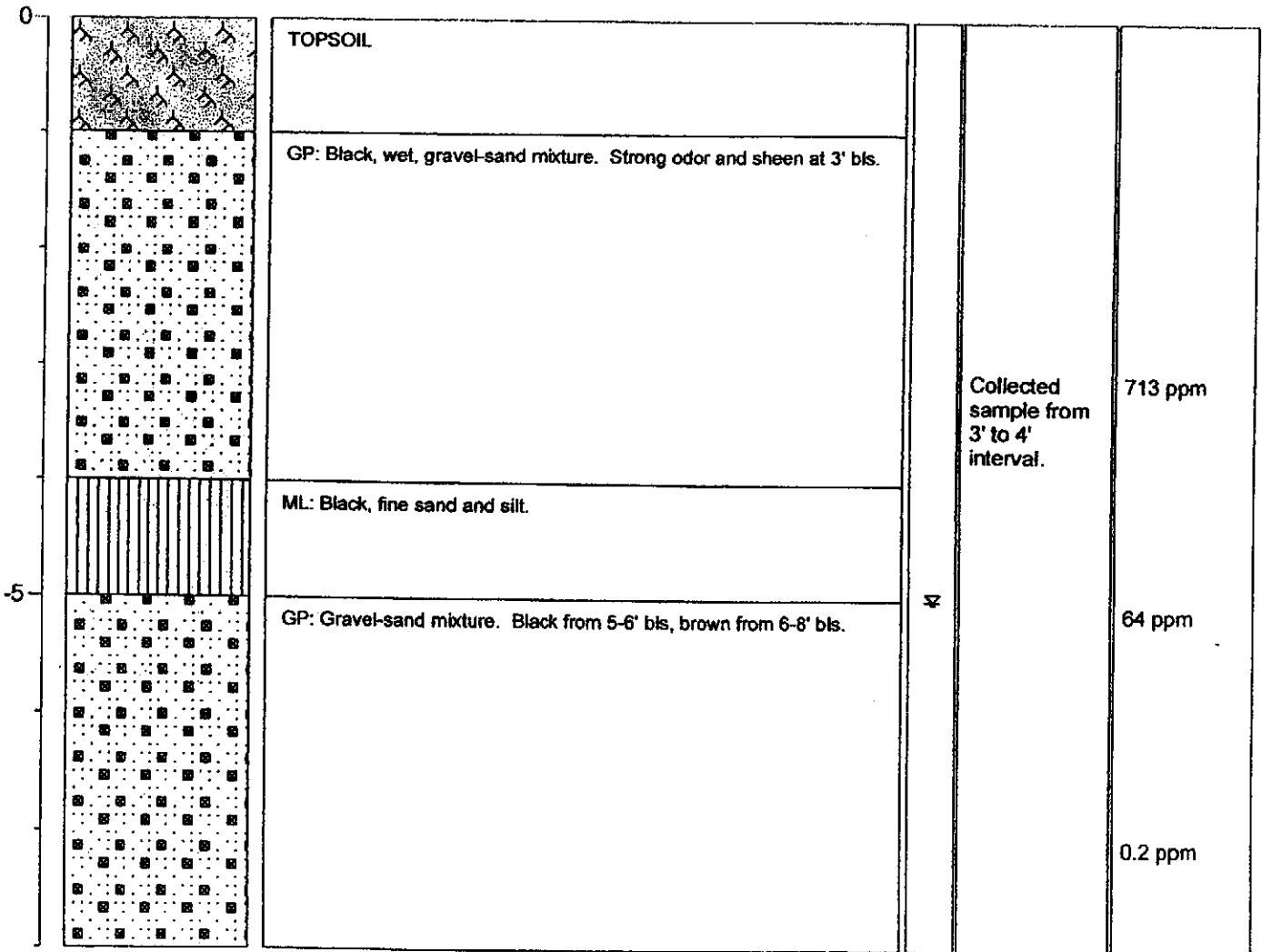
PROJECT #: **RP060080**  
 SITE LOCATION: **Riley's Garage - Pawling**  
 LOGGED BY: **B. Goodwin, C. Brown, S. LaRose**  
 PROJECT MANAGER: **Chris Brown**  
 DATES DRILLED: **8-14-07 and 8-15-07**

DRILLING CO.: **Syska**  
 RIG TYPE: **Geoprobe 54DT**  
 METHOD OF DRILLING: **Direct Push**  
 SAMPLING METHODS: **4' Macro Core**  
 HAMMER WT./DROP **N/A**  
 DEPTH TO WATER **5'**

NOTES:  
80 degrees F

☒ Water level during drilling

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
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**2011 Boring Logs and  
Well Construction Forms**



**LOG OF SOIL BORING**

Coordinates: TBD  
 Surface Elevation: TBD

Job. No.: 1052	Client: Cornerstone	Location: 33 East Main St., Pawling, NY	
Drilling Method: Geoprobe 7822DT		Well Number: SB-1/MW-1	
Sampling Method: 5' Macrocore		Sheet 1 of 1	
Drilling			
Water Lev.	11.81	Start	Finish
Time	738	5/3/11	5/3/11
Date	17-May-11	0843	0934
Reference	Top PVC		

Sample #/ Sample Depth	Inches Drvn/Ft. Recvr'd	Lab Sample	Well Diagram	PID (ppm)	Depth in Feet	Water Level	USCS Log	Surface Conditions: Weather: Temperature:
SS-01/ 0-5	60/23			0.1	0 1 2 3 4		ML	Surface Conditions: Grass Weather: Partly Sunny Temperature: 60's Fahrenheit 15-in brown/grey Clayey SILT, little c-f Sand, little f. Gravel, slight Plasticity, med. Stiff, moist; 18-in tan m-f SAND, med dense, moist
SS-02/ 5-10	60/36			0.1	5 6 7 8 9	▼	SP	36-in tan m-f SAND, med dense, moist-wet, wet bottom 24-in
SS-03/ 10-12	36/21			0	10 11 12		(Native)	21-in pale yellow m SAND, little f. Gravel, wet
					13 14 15 16 17 18 19			End of borehole at 13.0 ft bgs (Refusal)
					20 21 22 23 24 25 26 27			

Logged by: James Gatherer Date: 2 May 2011

Drilling Contractor: ADT Driller: Jason Doran

**WELL SPECIFICATIONS:**

Diam. of casing: 2" Screen Interval: 3 - 13' bgs Sand pack: 1.5 - 13' bgs Grout: 0 - 1.0' bgs  
 BOH: 13' bgs Riser Interval: ~ 3' ags Bentonite: 1 - 1.5' bgs Cover: Stick-Up



**LOG OF SOIL BORING**

Coordinates: TBD  
 Surface Elevation: TBD

Job. No.: 1052	Client: Cornerstone	Location: 33 East Main St., Pawling, NY
Drilling Method: Geoprobe 7822DT		Well Number: SB-2/MW-2
Sampling Method: 5' Macrocore		Sheet 1 of 1
Drilling		
Water Lev.	11.21	Start
Time	740	Finish
Date	17-May-11	5/2/11
Reference	Top PVC	1450 1515

Sample #/ Sample Depth	Inches Drvn/Ft. Recvrd	Lab Sample	Well Diagram	PID (ppm)	Depth in Feet	Water Level	USCS Log	Surface Conditions: Asphalt
SS-01/ 0-5	60/24			0	0		SP	Weather: Partly Sunny Temperature: 60's Fahrenheit
SS-02/ 5-10	60/44			0	5		ML	24-in dk brown c-f SAND, little f. Gravel, little Silt, med. Dense, moist-wet
SS-03/ 10-15	60/24			0	10		(Native)	38-in brown SILT, little f Sand, no plasticity, med. Stiff, moist-wet; 3-in c-m SAND and f. Gravel, little Silt, wet; 3-in pale yellow f SAND, and f. Gravel, med. Dense, wet
SS-04/ 15-16	12/6			0	15			24-in pale yellow m-f SAND, tr f. Gravel, wet
					16			6-in as above
					17			End of borehole at 16.0 ft bgs (Refusal)
					18			
					19			
					20			
					21			
					22			
					23			
					24			
					25			
					26			
					27			

Logged by: James Gatherer Date: 2 May 2011

Drilling Contractor: ADT Driller: Jason Doran

WELL SPECIFICATIONS:

Diam. of casing: 2" Screen Interval: 5 - 15' bgs Sand pack: 2.5 - 15' bgs Grout: 0 - 1' bgs  
 BOH: 20' bgs Riser Interval: ~ 3' ags Bentonite: 1 - 2.5' bgs Cover: Stick-Up



**LOG OF SOIL BORING**

Coordinates: TBD  
 Surface Elevation: TBD

Job. No.: 1052	Client: Cornerstone	Location: 33 East Main St., Pawling, NY	
Drilling Method: Geoprobe 7822DT		Well Number: SB-4/MW-4	
Sampling Method: 5' Macrocore		Sheet 1 of 1	
Drilling			
Water Lev.	9.75	Start	Finish
Time	743	5/2/11	5/2/11
Date	17-May-11	1415	1432
Reference	Top PVC		

Sample #/ Sample Depth	Inches Drvn/Ft. Recvrd	Lab Sample	Well Diagram	PID (ppm)	Depth in Feet	Water Level	USCS Log	Surface Conditions: Asphalt
SS-01/ 0-5	60/20			0	0		SP	20-in dk brown c-f SAND, some f. Gravel, little Silt, med. Dense, moist-wet, (1-in coal seam at 10-in)
SS-02/ 5-10	60/23			0	7	▼	ML	20-in brown SILT, little f Sand, no plasticity, med. Stiff, moist-wet, wet at base; 1-in dk brown PEAT; 2-in brown f. GRAVEL, some c-f Sand, little Silt, med. Dense, wet
SS-03/ 10-15	60/26			0.1	12		SP	24-in as above; 2-in pale yellow m-f SAND, some f. Gravel, wet
SS-04/ 15-20	60/27			0	17		(Native)	27-in pale yellow m-f SAND, little f. Gravel, wet
					20			End of borehole at 20.0 ft bgs
					21			
					22			
					23			
					24			
					25			
					26			
					27			

Logged by: James Gatherer Date: 2 May 2011

Drilling Contractor: ADT Driller: Jason Doran

WELL SPECIFICATIONS:  
 Diam. of casing: 2" Screen Interval: 5 - 15' bgs Sand pack: 2.5 - 15' bgs Grout: 0 - 1' bgs  
 BOH: 20' bgs Riser Interval: ~ 3' ags Bentonite: 1 - 2.5' bgs Cover: Stick-Up



**LOG OF SOIL BORING**

Coordinates: TBD  
 Surface Elevation: TBD

Job. No.: 1052	Client: Cornerstone	Location: 33 East Main St., Pawling, NY	
Drilling Method: Geoprobe 7822DT		Well Number: SB-3/MW-3	
Sampling Method: 5' Macrocore		Sheet 1 of 1	
Drilling			
Water Lev.	10.43	Start	Finish
Time	742	5/2/11	5/2/11
Date	17-May-11	1432	1450
Reference	Top PVC		

Sample #/ Sample Depth	Inches Drvn/Ft. Recvrd	Lab Sample	Well Diagram	PID (ppm)	Depth in Feet	Water Level	USCS Log	Surface Conditions: Weather: Temperature:
SS-01/ 0-5	60/27			0	0		ML 27-in brown/grey Clayey SILT, little c-f Sand, little f. Gravel, slight Plasticity, med. Stiff, moist-wet	
SS-02/ 5-10	60/27			12.1	5		PT 24-in as above; 1-in dk brown PEAT; 2-in brown/grey c-f SAND, some f. Gravel, little Silt, med. Dense, wet (petroleum odor)	
SS-03/ 10-15	60/28			16.4	10		SP 28-in brown/grey c-f SAND, some f. Gravel, little Silt, med. Dense, wet (petroleum odor)	
SS-04/ 15-20	60/28			4.5	15		(Native) 4-in as above; 24-in pale yellow f. SAND, little f. Gravel, med. Dense, wet	
					20		End of borehole at 20.0 ft bgs	
					21			
					22			
					23			
					24			
					25			
					26			
					27			

Logged by: James Gatherer Date: 2 May 2011

Drilling Contractor: ADT Driller: Jason Doran

**WELL SPECIFICATIONS:**

Diam. of casing: 2" Screen Interval: 5 - 15' bgs Sand pack: 2.5 - 15' bgs Grout: 0 - 1' bgs  
 BOH: 20' bgs Riser Interval: ~ 3' ags Bentonite: 1 - 2.5' bgs Cover: Stick-Up



**LOG OF SOIL BORING**

Coordinates: TBD  
 Surface Elevation: TBD

Job No.: 1052	Client: Cornerstone	Location: 33 East Main St., Pawling, NY	
Drilling Method: Geoprobe 7822DT		Well Number: SB-5/MW-5	
Sampling Method: 5' Macrocore		Sheet 1 of 1	
Drilling			
Water Lev.	9.30	Start	Finish
Time	744	5/2/11	5/2/11
Date	17-May-11	1315	1415
Reference	Top PVC		

Sample #/ Sample Depth	Inches Drvn/Ft. Recvrd	Lab Sample	Well Diagram	PID (ppm)	Depth in Feet	Water Level	USCS Log	Surface Conditions: Asphalt
SS-01/ 0-5	60/10			0	0		SP	10-in dk brown c-f SAND, and f. Gravel, little Silt, med. Dense, moist-wet, (1-in coal seam at 10-in)
SS-02/ 5-10	60/21			0	5		ML Pt	15-in brown SILT, little f Sand, no plasticity, med. Stiff, moist-wet, wet at base; 3-in dk brown PEAT; 3-in brown f. GRAVEL, some c-f Sand, little Silt, med. Dense, wet
SS-03/ 10-15	60/10			0.1	10		GP	10-in brown f. GRAVEL, and c-f Sand, little Silt, med. Dense, wet
SS-04/ 15-19	48/28			0	15		SP (Native)	4-in as above; 24-in pale yellow m-f SAND, little f. Gravel, wet
					20			End of borehole at 19.0 ft bgs (Refusal)
					21			
					22			
					23			
					24			
					25			
					26			
					27			

Logged by: James Gatherer Date: 2 May 2011

Drilling Contractor: ADT Driller: Jason Doran

WELL SPECIFICATIONS:  
 Diam. of casing: 2" Screen Interval: 5 - 15' bgs Sand pack: 2.5 - 15' bgs Grout: 0 - 1' bgs  
 BOH: 20' bgs Riser Interval: ~ 3' ags Bentonite: 1 - 2.5' bgs Cover: Stick-Up



**LOG OF SOIL BORING**

Coordinates: TBD  
 Surface Elevation: TBD

Job. No.: 1052	Client: Cornerstone	Location: 33 East Main St., Pawling, NY	
Drilling Method: Geoprobe 7822DT		Well Number: SB-6/MW-6	
Sampling Method: 5' Macrocore		Sheet 1 of 1	
Drilling			
Water Lev.	7.48	Start	Finish
Time	746	5/3/11	5/3/11
Date	17-May-11	0934	1000
Reference	Top PVC		

Sample #/ Sample Depth	Inches Drvn/Ft. Recvrd	Lab Sample	Well Diagram	PID (ppm)	Depth in Feet	Water Level	USCS Log	Surface Conditions: Weather: Temperature:
SS-01/ 0-5	60/32			0.2	0 1 2 3 4		ML	Surface Conditions: Grass Weather: Partly Sunny Temperature: 60's Fahrenheit 32-in brown/grey Clayey SILT, little c-f Sand, little f. Gravel, slight Plasticity, med. Stiff, moist-wet, wet bottom 2-in
SS-02/ 5-10	60/16			1.4	5 6 7 8 9	▼	SP	16-in brown/grey c-f SAND, little f. Gravel, little Silt, med. Dense, wet (petroleum odor)
SS-03/ 10-15	60/10			0	10 11 12 13		(Native)	10-in brown/grey c-f SAND, little f. Gravel, little Silt, med. Dense, wet; 4-in pale yellow m-f SAND, little f. Gravel, wet
					14 15 16 17 18 19 20 21 22 23 24 25 26 27			End of borehole at 13.5 ft bgs (Refusal)

Logged by: James Gatherer Date: 2 May 2011

Drilling Contractor: ADT Driller: Jason Doran

WELL SPECIFICATIONS:  
 Diam. of casing: 2" Screen Interval: 3 - 13' bgs Sand pack: 2 - 13.5' bgs Grout: 0 - 1' bgs  
 BOH: 13.5' bgs Riser Interval: ~ 3' ags Bentonite: 1 - 2' bgs Cover: Stick-Up



**LOG OF SOIL BORING**

Coordinates: TBD  
 Surface Elevation: TBD

Job. No.: 1052	Client: Cornerstone	Location 33 East Main St., Pawling, NY	
Drilling Method: Geoprobe 7822DT		Well Number: SB-7	
Sampling Method: 5' Macrocore		Sheet 1 of 1	
Drilling			
Water Lev.		Start	Finish
Time			
Date		5/2/11	5/2/11
Reference		1245	1315

Sample #/ Sample Depth	Inches Drvn/Ft. Recvrd	Lab Sample	PID (ppm)	Depth in Feet	Water Level	USCS Log	Surface Conditions: Weather: Temperature:
SS-01/ 0-5	60/21		0.3	0		SP	21-in dk brown c-f SAND, and f. Gravel, tr Silt, med. Dense, moist-wet (Fe staining)
				1			
				2			
				3			
				4			
SS-02/ 5-10	60/27		4.2	5	▼	SP	27-in grey c-f SAND, tr f. Gravel, little Silt, med. Dense, moist-wet (petroleum odor)
				6			
				7			
				8			
				9			
SS-03/ 10-15	60/23		0.2	10		SP	23-in grey c-f SAND, some f. Gravel, tr Silt, med. Dense, moist-wet
				11			
				12			
				13			
				14			
SS-04/ 15-20	60/32		0.1	15		GP	6-in brown/grey f. Gravel, some c-f SAND, tr Silt, med. Dense, wet; 26-in pale yellow f. SAND, little f. Gravel, med. Dense, wet
				16			
				17			
				18			
				19			
				20			End of borehole at 20.0 ft bgs
21							
22							
23							
24							
25							
26							
27							

Logged by: James Gatherer

Date: 2 May 2011

Drilling Contractor: ADT

Driller: Jason Doran



**LOG OF SOIL BORING**

Coordinates: TBD  
 Surface Elevation: TBD

Job. No.: 1052	Client: Cornerstone	Location: 33 East Main St., Pawling, NY
Drilling Method: Geoprobe 7822DT		Well Number: SB-8
Sampling Method: 5' Macrocore		Sheet 1 of 1
Drilling		
Water Lev.		Start
Time		Finish
Date		5/2/11
Reference		1245
		5/2/11
		1315

Sample #/ Sample Depth	Inches Drvn/Ft. Recvrd	Lab Sample	PID (ppm)	Depth in Feet	Water Level	USCS Log	Surface Conditions: Weather: Temperature:
SS-01/ 0-5	60/18		0	0			18-in dk brown c-f SAND, and f. Gravel, little Silt, med. Dense, moist-wet
				1			
				2			
				3			
				4			
SS-02/ 5-10	60/15		0	5			15-in dk brown c-f SAND, and f. Gravel, little Silt, med. Dense, moist-wet
				6			
				7			
				8			
				9			
SS-03/ 10-15	60/0		0	10		SP	NO RECOVERY
				11			
				12			
				13			
				14			
SS-04/ 15-20	60/35		0.1	15		GP	15-in brown c-f SAND, little f. Gravel, little Silt, med. Dense, wet; 20-in pale yellow m-f SAND, little f. Gravel, med. Dense, wet
				16			
				17			
				18			
				19			
				20			End of borehole at 20.0 ft bgs
21							
22							
23							
24							
25							
26							
27							

Logged by: James Gatherer

Date: 2 May 2011

Drilling Contractor: ADT

Driller: Jason Doran



**LOG OF SOIL BORING**

Coordinates: TBD  
 Surface Elevation: TBD

Job. No.: 1052	Client: Cornerstone	Location: 33 East Main St., Pawling, NY
Drilling Method: Geoprobe 7822DT		Well Number: SB-9
Sampling Method: 5' Macrocore		Sheet 1 of 1
Drilling		
Water Lev.		Start
Time		Finish
Date		5/2/11
Reference		1145
		1245

Sample #/ Sample Depth	Inches Drvn/Ft. Recvrd	Lab Sample	PID (ppm)	Depth in Feet	Water Level	USCS Log	Surface Conditions: Weather: Temperature:
SS-01/ 0-5	60/19		0	0		SP	19-in dk brown c-f SAND, little f. Gravel, little Silt, med. Dense, moist (occasional coal fragments)
				1			
				2			
				3			
				4			
SS-02/ 5-10	60/28		0	5	▼	SP	28-in dk brown c-f SAND, little f. Gravel, little Silt, med. Dense, wet (occasional coal fragments)
				6			
				7			
				8			
				9			
SS-03/ 10-15	60/22		0	10		SP	22-in brown/grey c-f SAND, and f. Gravel, little Silt, med. Dense, wet
				11			
				12			
				13			
				14			
SS-04/ 15-20	60/24		0	15		GP	6-in brown/grey f. Gravel, little c-f SAND, tr Silt, med. Dense, wet; 18-in pale yellow f. SAND, little f. Gravel, med. Dense, wet
				16			
				17			
				18			
				19			
				20			End of borehole at 20.0 ft bgs
21							
22							
23							
24							
25							
26							
27							

Logged by: James Gatherer

Date: 2 May 2011

Drilling Contractor: ADT

Driller: Jason Doran



**LOG OF SOIL BORING**

Coordinates: TBD  
 Surface Elevation: TBD

Job. No.: 1052	Client: Cornerstone	Location 33 East Main St., Pawling, NY	
Drilling Method: Geoprobe 7822DT		Well Number: RPF-1/SFSS-1	
Sampling Method: 5' Macrocore		Sheet 1 of 1	
		Drilling	
Water Lev.		Start	Finish
Time			
Date		5/2/11	5/2/11
Reference		0918	0950

Sample #/ Sample Depth	Inches Drvn/Ft. Recvrd	Lab Sample	PID (ppm)	Depth in Feet	Water Level	USCS Log	Surface Conditions: Weather: Temperature:
SS-01/ 0-5	60/38	[Red]	0	0		ML	38-in dk brown Clayey SILT, and f. Gravel, tr, c-f Sand, slight plasticity, med. Stiff, moist; 8-in light grey c-f GRAVEL, tr. C-f Sand, med. Dense, dry
				1			
				2			
				3			
				4			
SS-02/ 5-10	60/24	[Red]	1	5	▼	ML	18-in dk brown Clayey SILT, little c-f Sand, little f. Gravel, slight plasticity, med stiff, moist-wet; 6-in brown/grey m-f SAND, little f Gravel, med dense, wet (slight petroleum odor)
				6			
				7			
				8			
				9			
SS-03/ 10-15	60/44	[Red]	1.5	10		SP	26-in brown/grey m-f SAND, little f Gravel, med dense, wet (slight petroleum odor); 18-in pale yellow f SAND, little c-m Sand, little f. Gravel, med dense, wet
				11			
				12			
				13			
				14			
SS-04/ 15-17	24/24	[Red]	0	15		(Native)	24-in as above
				16			
				17			
				17			End of borehole at 17.0 ft bgs (Refusal)
				18			
				19			
				20			
				21			
				22			
				23			
				24			
				25			
				26			
				27			

Logged by: James Gatherer

Date: 2 May 2011

Drilling Contractor: ADT

Driller: Jason Doran



**LOG OF SOIL BORING**

Coordinates: TBD  
 Surface Elevation: TBD

Job. No.: 1052	Client: Cornerstone	Location: 33 East Main St., Pawling, NY
Drilling Method: Geoprobe 7822DT		Well Number: RPF-2/SFSS-2
Sampling Method: 5' Macrocore		Sheet 1 of 1
Drilling		
Water Lev.		Start
Time		Finish
Date		5/2/11
Reference		1047

Sample #/ Sample Depth	Inches Drvn/Ft. Recvrd	Lab Sample	PID (ppm)	Depth in Feet	Water Level	USCS Log	Surface Conditions: Weather: Temperature:
SS-01/ 0-5	60/37		0	0		ML	37-in dk brown Clayey SILT, some f. Gravel, little c-f Sand, slight plasticity, med stiff, moist-wet
				1			
				2			
				3			
				4			
SS-02/ 5-10	60/24		0	5	▼		24-in as above
				6			
				7			
				8			
				9			
SS-03/ 10-15	60/24		0	10		GP	24-in brown f GRAVEL, some c-f Sand, tr Silt, med dense, moist-wet
				11			
				12			
				13			
				14			
SS-04/ 15-18.5	54/26		0	15		SP (Native)	26-in pale yellow m-f SAND, little f Gravel, med dense, wet
				16			
				17			
				18			
				19			End of borehole at 18.5 ft bgs (Refusal)
				20			
				21			
				22			
				23			
				24			
				25			
				26			
				27			

Logged by: James Gatherer

Date: 2 May 2011

Drilling Contractor: ADT

Driller: Jason Doran



**LOG OF SOIL BORING**

Coordinates: TBD  
 Surface Elevation: TBD

Job. No.: 1052	Client: Cornerstone	Location: 33 East Main St., Pawling, NY
Drilling Method: Geoprobe 7822DT		Well Number: RPF-3
Sampling Method: 5' Macrocore		Sheet 1 of 1
Drilling		
Water Lev.		Start
Time		Finish
Date		5/2/11
Reference		1120 1140

Sample #/ Sample Depth	Inches Drvn/Ft. Recvrd	Lab Sample	PID (ppm)	Depth in Feet	Water Level	USCS Log	Surface Conditions: Weather: Temperature:
SS-01/ 0-5	60/37		0	0		ML	37-in brown/grey Clayey SILT, little c-f Sand, little f. Gravel, slight Plasticity, med. Stiff, moist-wet
				1			
				2			
				3			
				4			
SS-02/ 5-10	60/24		0	5		Pt	24-in as above
				6			
				7			
				8			
				9			
SS-03/ 10-15	60/17		NR	10		SP	17-in brown/grey c-f SAND, some f. Gravel, little Silt, med. Dense, wet (slight petroleum odor)
				11			
				12			
				13			
				14			
SS-04/ 15-20	60/12		NR	15		(Native)	12-in pale yellow f. SAND, little f. Gravel, med. Dense, wet
				16			
				17			
				18			
				19			
				20			End of borehole at 20.0 ft bgs
21							
22							
23							
24							
25							
26							
27							

Logged by: James Gatherer

Date: 2 May 2011

Drilling Contractor: ADT

Driller: Jason Doran



**LOG OF SOIL BORING**

Coordinates: TBD  
 Surface Elevation: TBD

Job. No.: 1052	Client: Cornerstone	Location: 33 East Main St., Pawling, NY
Drilling Method: Geoprobe 7822DT		Well Number: RPF-4
Sampling Method: 5' Macrocore		Sheet 1 of 1
Drilling		
Water Lev.		Start
Time		Finish
Date		5/2/11
Reference		1022 1047

Sample #/ Sample Depth	Inches Drvn/Ft. Recvrd	Lab Sample	PID (ppm)	Depth in Feet	Water Level	USCS Log	Surface Conditions: Weather: Temperature:
SS-01/ 0-5	60/33		0	0		ML	33-in dk brown Clayey SILT, some f. Gravel, little c-f Sand, slight plasticity, med stiff, moist-wet
				1			
				2			
				3			
				4			
SS-02/ 5-10	60/28		10.4	5	▼		24-in dk brown Clayey SILT, some f. Gravel, little c-f Sand, slight plasticity, med stiff, moist-wet; 4-in brown/grey c-f SAND, little f Gravel, tr Silt, med dense, moist-wet (petroleum odor)
				6			
				7			
				8			
				9			
SS-03/ 10-15	60/20		8.9	10		SP	20-in as above (black staining, occasional coal fragments)
				11			
				12			
				13			
				14			
SS-04/ 15-19	48/24		0	15		(Native)	24-in pale yellow m-f SAND, little f Gravel, med dense, wet
				16			
				17			
				18			
				19			
				19			End of borehole at 19.0 ft bgs (Refusal)
20							
21							
22							
23							
24							
25							
26							
27							

Logged by: James Gatherer

Date: 2 May 2011

Drilling Contractor: ADT

Driller: Jason Doran



**LOG OF SOIL BORING**

Coordinates: TBD  
 Surface Elevation: TBD

Job. No.: 1052	Client: Cornerstone	Location 33 East Main St., Pawling, NY	
Drilling Method: Geoprobe 7822DT		Well Number: RPF-5	
Sampling Method: 5' Macrocore		Sheet 1 of 1	
Drilling			
Water Lev.		Start	Finish
Time			
Date		5/2/11 0950	5/2/11 1022
Reference			

Sample #/ Sample Depth	Inches Drvn/Ft. Recvrd	Lab Sample	PID (ppm)	Depth in Feet	Water Level	USCS Log	Surface Conditions: Weather: Temperature:
SS-01/ 0-5	60/38	[Red]	0	0		ML	38-in dk brown Clayey SILT, some f. Gravel, tr. c-f Sand, slight plasticity, med. Stiff, moist
				1			
				2			
				3			
				4			
SS-02/ 5-10	60/24	[Red]	20	5	▼		24-in dk brown Clayey SILT, and c-f Sand, some f. Gravel, slight plasticity, med stiff, moist-wet (petroleum odor)
				6			
				7			
				8			
				9			
SS-03/ 10-15	60/20	[Red]	0.2	10		SP	20-in brown/grey m-f SAND, and f Gravel, tr Silt, med dense, wet (slight petroleum odor); 3-in pale yellow f SAND, little c-m Sand, med dense, wet
				11			
				12			
				13			
				14			
SS-04/ 15-18	36/16	[Red]	0	15		(Native)	16-in as above
				16			
				17			
				18			End of borehole at 18.0 ft bgs (Refusal)
				19			
				20			
				21			
				22			
				23			
				24			
				25			
				26			
				27			

Logged by: James Gatherer

Date: 2 May 2011

Drilling Contractor: ADT

Driller: Jason Doran



**LOG OF SOIL BORING**

Coordinates: TBD  
 Surface Elevation: TBD

Job. No.: 1052	Client: Cornerstone	Location: 33 East Main St., Pawling, NY
Drilling Method: Geoprobe 7822DT		Well Number: RPF-6
Sampling Method: 5' Macrocore		Sheet 1 of 1
Drilling		
Water Lev.		Start
Time		Finish
Date		5/2/11 0845
Reference		5/2/11 0918

Sample #/ Sample Depth	Inches Drvn/Ft. Recvrd	Lab Sample	PID (ppm)	Depth in Feet	Water Level	USCS Log	Surface Conditions: Weather: Temperature:
SS-01/ 0-5	60/33	[Red]	0	0		ML	33-in brown SILT, some c-f Sand, little f. Gravel, no plasticity, med stiff, moist, moist-wet bottom 4-in
				1			
				2			
				3			
				4			
SS-02/ 5-10	60/37	[Red]	0	5		ML	37-in as above, moist-wet
				6			
				7			
				8			
				9			
SS-03/ 10-15	60/56	[Red]	0	10		SP (Native)	24-in dk brown SILT, some c--m-f Sand, tr. f. Gravel, med. dense, wet; 32-in pale yellow c-m-f SAND, little f. Gravel, med. Dense, wet
				11			
				12			
				13			
				14			
				15			End of borehole at 15.0 ft bgs (Refusal)
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							

Logged by: James Gatherer

Date: 2 May 2011

Drilling Contractor: ADT

Driller: Jason Doran