FIRST FIVE-YEAR REVIEW REPORT
ELLENVILLE SCRAP IRON AND METAL SUPERFUND SITE
VILLAGE OF ELLENVILLE, TOWN OF WAWARSING
ULSTER COUNTY, NEW YORK

Prepared by
U.S. Environmental Protection Agency
Region II
New York, New York

Approved by:

A. Carpenter for

John Prince, Acting Director
Emergency and Remedial Response Division

8-31-17

Date

473489

TABLE OF CONTENTS

LIST OF ABBREVIATIONS & ACRONYMS ii
I. INTRODUCTION 1
FIVE-YEAR REVIEW SUMMARY FORM 2
II. RESPONSE ACTION SUMMARY 2
Basis for Taking Action 2
Response Actions 3
Status of Implementation 6
III. PROGRESS SINCE THE LAST REVIEW 7
IV. FIVE-YEAR REVIEW PROCESS 7
Community Notification, Involvement & Site Interviews 7
Data Review 8
Site Inspection 11
V. TECHNICAL ASSESSMENT 11
QUESTION A: Is the remedy functioning as intended by the decision documents? 11
QUESTION B: Are the exposure assumptions, toxicity data, cleanup levels and RAOs used at the time of the remedy selection still valid? 12
QUESTION C: Has any other information come to light that could call into question the protectiveness of the remedy? 13
VI. ISSUES/RECOMMENDATIONS 14
VII. PROTECTIVNESS STATEMENT 14
VIII. NEXT REVIEW 15

APPENDIX A – TABLES 16
APPENDIX B – FIGURES 42

LIST OF ABBREVIATIONS & ACRONYMS

ACOE	Army Corps of Engineers
ARAR	Applicable or Relevant and Appropriate Requirement
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
EC	Engineering Control
EPA	United States Environmental Protection Agency
FYR	Five-Year Review
HHRA	Human Health Risk Assessment
ICs	Institutional Controls
MCL	Maximum Contaminant Level
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NPL	National Priorities List
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
OM&M	Operation, Maintenance and Monitoring
PCB	Polychlorinated Biphenyl
PCE	Tetrachloroethene
PRP	Potentially Responsible Party
RAO	Remedial Action Objective
ROD	Record of Decision
RPM	Remedial Project Manager
SCO	Soil Cleanup Objective
SLERA	Screening-level Ecological Risk Assessment
SMP	Site Management Plan
TBC	To-Be-Considered
VOC	Volatile Organic Compound

I. INTRODUCTION

The purpose of a five-year review (FYR) is to evaluate the implementation and performance of a remedy in order to determine if the remedy is and will continue to be protective of human health and the environment. The methods, findings and conclusions of FYRs are documented in FYR reports, such as this one. In addition, FYR reports identify any issues that may have been found during the review period and document recommendations in order to address those issues.

The U.S. Environmental Protection Agency (EPA) is preparing this FYR review, pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Section 121, consistent with the National Contingency Plan (NCP) (40 CFR Section 300.430(f)(4)(ii)), and considering EPA policy.

This is the first FYR for the Ellenville Scrap Iron and Metal Superfund site (Site). The triggering action for this statutory review is the on-site construction start data for the remedial action. The FYR has been prepared because hazardous substances, pollutants or contaminants remain at the Site above levels that allow for unlimited use and unrestricted exposure. This Site consists of one operable unit (OU1).

The Site FYR team was led by Damian Duda, EPA remedial project manager, and included Kathryn Flynn, hydrogeologist, Chuck Nace, risk assessor and Sal Badalamenti, supervisor.

The Site was listed on the National Priorities List (NPL) on October 7, 2002. The documents that were reviewed for this FYR are found in **Table 1**.

Site Background

The Site (see **Figure 1**) is a 24-acre, former scrap iron and metal reclamation facility on Cape Road which also includes select residential properties in the vicinity, located on Cape Road, *a.k.a.*, Cape Avenue, and River Street, in the Village of Ellenville, Town of Wawarsing, Ulster County, New York. Approximately 10 acres of the Site were used for a variety of scrap metal operations and, while operational, were also used for battery reclamation.

The Site is bound to the north by Cape Road; to the south and west by the Beer Kill, *a.k.a.*, Beer Kill Creek; and, to the east by residential properties. At the time of its active operations, the Site included an office building, a truck scale, a hydraulic baling machine and a compactor used for crushing metal cans and other small metal containers and car parts, abandoned automobiles and trucks, scrap metal piles, railroad ties, automobile batteries and emptied casings, waste oils, car and truck tire piles and assorted brush piles. Deteriorated drums were also found scattered throughout the Site property. An existing landfill embankment, approximately 40 feet in height, runs in a crescent along a northwesterly to southeasterly axis dividing the Site into an upper and lower plateau. The landfill is composed of construction and demolition debris, including finely shredded wastes, scrap brick, concrete, wood and metal-type debris. The adjacent residential property, located directly east of the Site entrance, was formerly part of the facility and was used to store heavy equipment and to dispose of automobile battery casings. Approximately 4300 people live in the Village of Ellenville and are serviced by public water.

FIVE-YEAR REVIEW SUMMARY FORM

SITE IDENTIFICATION		
Site Name: Ellenville Scrap Iron and Metal Superfund Site		
EPA ID: NYSFN0204190		
Region: 2	**State:** NY	**City/County:** Ulster County

SITE STATUS	
NPL Status: Final	
Multiple OUs? No	**Has the site achieved construction completion?** Yes

REVIEW STATUS
Lead agency: EPA ***[If "Other Federal Agency", enter Agency name]*:**
Author name (Federal or State Project Manager): Damian J. Duda
Author affiliation:
Review period: 4/4/2011 - 7/31/2017
Date of site inspection: 5/16/2017
Type of review: Statutory
Review number: 1
Triggering action date: 4/4/2011
Due date *(five years after triggering action date)*: 4/4/2016

II. RESPONSE ACTION SUMMARY

Basis for Taking Action

In summary, a human health risk assessment (HHRA) was conducted and concluded that metals, PAHs, pesticides and PCBs in soils and leachate found at the Site contributed to unacceptable risks and hazards to on-site trespassers, construction/utility worked workers, on-site recreational users, and on-site future residents. There were also unacceptable hazards for off-property residents from metals, especially lead. In addition, exposure to groundwater for future on-site residents exceeded the acceptable risk range for two metals, arsenic and chromium.

A screening-level ecological risk assessment (SLERA) was conducted to evaluate the potential for ecological effects from exposure to surface soils, leachate, groundwater discharging to sediment and surface water, and surface water and sediment from Beer Kill. The SLERA

concluded that there was a potential for adverse effects to terrestrial plants/soil invertebrates from direct exposure to chemicals in soils and sediments at the Site.

Based on the results of the human health and ecological risk assessments, the response action selected in the Record of Decision (ROD) is necessary to protect the human health and welfare of the environment from actual or threatened releases of contaminants into the environment.

Response Actions

In 2004 and 2005, EPA performed various removal actions in order to address a variety of soil contamination issues: 1) lead contamination in soils that was caused by battery reclamation activities conducted at the adjacent Cape Road residential property and 2) the removal of approximately 20 leaking drums, an aboveground storage tank, abandoned dumpsters, cars, trucks, baling, shear and compactor units and other heavy equipment, various debris piles throughout the Site, including railroad ties and tires, and all buildings on the Site.

EPA's removal cleanup activities further reduced the sources of Site contamination and enabled EPA's contractor to be able investigate the Site completely and prepare a remedial investigation and feasibility study (RI/FS). Based on the RI/FS results, EPA issued a ROD in September 2010.

The following Remedial Action Objectives (RAOs) were established and are identified in the ROD as follows:

Groundwater

- Prevent ingestion of water with contaminant concentrations greater than 10 NYCRR Part 5 maximum contaminant levels (MCLs) and Federal MCLs.
- Restore groundwater contaminant concentrations to less than 6 NYCRR Part 703 Class GA water quality standards.
- Prevent discharge of groundwater with contaminant concentrations greater than 6 NYCRR Part 703 Class GA water quality standards to adjacent surface water, *i.e.*, Beer Kill.

Soils

- Prevent ingestion/direct contact to soils with contaminant concentrations greater than 6 NYCRR Part 375 Restricted Use Soil Cleanup Objectives (RSCOs)-Residential.
- Prevent inhalation of soil dust with contaminant concentrations greater than 6 NYCRR Part 375 RSCOs-Residential.
- Prevent migration of soils with contaminant concentrations greater than 6 NYCRR Part 375 RSCOs-Residential.
- Prevent or minimize impacts to groundwater and/or surface water resulting from soil contamination with concentrations greater than 6 NYCRR Part 375 RSCOs-Residential.

Solid Wastes

- Prevent ingestion/direct contact with solid wastes with contaminant concentrations greater than 6 NYCRR Part 375 RSCOs-Residential.
- Prevent migration of solid wastes with contaminant concentrations greater than NYCRR Part 375 RSCOs-Residential.

- Prevent or minimize impacts to groundwater and/or surface water resulting from solid wastes with concentrations greater than NYCRR Part 375 RSCOs-Residential.

Leachate

- Prevent ingestion of leachate with contaminant concentrations greater than the NYSDEC Class GA water quality standards.
- Prevent migration of leachate with contaminant concentrations greater than the NYSDEC Class GA water quality standards.

Air

- Prevent exposure to or inhalation of volatilized contaminants from the solid wastes.
- Prevent migration of landfill gas generated by the decomposition of solid waste.

In order to achieve the remedial action objectives (RAOs) for the various media for the Site, EPA selected the following remedy components:

- Excavation of selected contaminated soils in six Areas of Concern (AOCs), identified as AOCs 1-6, which include adjacent residential properties where contaminants in the surface soils exceed the cleanup criteria;
- Backfilling of the excavated areas with clean fill;
- Consolidation of the excavated soils from AOCs 1-6 in AOC 1, located in the upper and central portion of the Ellenville site with similarly-contaminated soils;
- Installation of a landfill cap system which meets the substantive requirements of NYS Part 360 over the existing landfill and the consolidated soils, including long-term groundwater monitoring; and,
- Development of a Site Management Plan (SMP), in accordance with NYS landfill closure requirements, which would include 1) long-term groundwater monitoring, 2) engineering controls with an operation and maintenance (O&M) plan, which may include periodic reviews and/or certifications and 3) a plan for implementing institutional controls (ICs).

Status of Implementation

On September 30, 2010, EPA entered into an Interagency Agreement (IA) with the Army Corps of Engineers (USACE) for the remedial design and remedial action at the Site. Remedial action activities included the excavation of contaminated soils in the six AOCs, consolidation of non-hazardous excavated soils within the final landfill footprint, transport and off-site disposal of hazardous materials, installation of a landfill cap system and restoration of all disturbed areas. The AOCs also included the adjacent residential properties where contaminants in the surface soils exceeded the NYS SCOs.

Soil Excavation

In early May 2011, the major construction activities began. These included excavation, backfilling and materials handling, primarily of soils. The overall depths of excavation varied from a minimum of about one foot up to maximum anticipated depth of 11 feet. Special care was taken when excavating areas in the vicinity of known underground utilities, especially at the

residential properties. During remediation of the Site, several different waste streams were generated and were either consolidated within the landfill cap area or were disposed of off-site. Backfilling and compaction of excavations were performed. Uncontaminated excavated soils were used for backfilling in those areas of excavation to the targeted depths and to the fullest extent possible. Imported clean fill was necessary to complete the backfill of all excavated areas.

Landfill Cap Construction

Capping was performed concurrent with the consolidation of excavated soils from both on-site locations and the remediated residential properties.

The landfill cap consists of the following components:

- Landfill subgrade including a 6-inch fine grade layer of imported select fill
- Anchor trench
- Double-sided gas vent geocomposite
- Passive gas vents
- 60-mil HDPE textured geomembrane
- Double-sided drainage geocomposite
- 24-inch barrier protection layer
- 6-inch topsoil layer
- Vegetative layer

Residential Remediation

The two residential properties on River Street, just to the east of the Site, posed the greatest challenge due to the uncertainties in the existing conditions and restoration requirements. Close attention was given to the remediation activities on these two properties. Hence, the excavation, backfilling, compaction and restoration activities in these areas were closely monitored. Two feet of contaminated soils were excavated from the two yards, and two feet of clean backfill and six inches of topsoil were installed at both properties. The soils were determined to be non-hazardous and were subsequently excavated by a small excavator and loaded into the road dump truck that transported the soils to the on-site landfill area. Additional excavation work was also performed at the Cape Road residential property near the battery casing wall. All excavation and restoration work within the off-property residential areas was completed in June 2011.

Wetlands Restoration

Restoration and expansion of an on-site wetland were also performed with the installation of clay matting and a number of wetlands plantings to replace wetlands affected by the installation of the landfill cap.

Monitoring Well Installation

Seven monitoring wells were installed in both the bedrock and the overburden as part of the remedial action in order to conform to the NYS requirements regarding the landfill cap installation and related groundwater monitoring.

Site Restoration and Fence Installation

Site restoration activities included the installation of topsoil, slope stabilization materials, seeding and landfill infrastructure items, such as riprap swales, chain-link fencing and the east access road. These activities were scheduled concurrently with other Site activities in an effort to accelerate the schedule.

IC Summary Table

Media, engineered controls, and areas that do not support UU/UE based on current conditions	ICs Needed	ICs Called for in the Decision Documents	Impacted Parcel(s)	IC Objective	Title of IC Instrument Implemented and Date (or planned)
Fenced landfill	Yes	Yes	Fenced landfill	Establishing ICs and engineering controls to ensure no disturbance of fenced landfill cap area and monitoring wells	Declaration of Covenants, Restrictions and Environmental Easements Map Successors-in-Title (August 2016)
Groundwater	Yes	Yes	Acreage outside fenced landfill	To prevent installation of groundwater production wells	Declaration of Covenants, Restrictions and Environmental Easements Map Successors-in-Title (August 2016)

The NYSDEC retains the right to access the Site at any time in order to evaluate the continued maintenance of any and all controls on an annual basis or an alternate time period that NYSDEC may choose. This evaluation will be made by a technical expert that the NYSDEC finds acceptable.

Operation, Maintenance and Monitoring

As of March 2015, the NYSDEC assumed the Operation, Maintenance and Monitoring (OM&M) responsibilities at the Site and now manages the OM&M, according to the SMP. The SMP specifies the methods necessary to ensure compliance with all ICs and Engineering Controls (ECs) for the Site.

The SMP identifies three separate plans: (1) an EC and IC Pan for implementation and management of ICs and ECs; (2) a Monitoring Plan for the select groundwater monitoring wells; and, (3) an O&M Plan for implementation of the remedial containment system, *i.e.*, the landfill cap system. The SMP also requires submittal of annual Periodic Review Reports.

The ICs place restrictions on Site use and mandate OM&M and reporting measures for all ECs and ICs. The ECs govern the remaining contaminated soils, *i.e.*, the fenced landfill, in order to control exposure and ensure protection of human health and the environment. An Environmental Easement, granted to the NYSDEC and recorded with the Ulster County Clerk, will require compliance with this SMP and all ECs and ICs placed on the Site.

Any revisions to the SMP will be proposed in writing to the NYSDEC. In accordance with the Environmental Easement for the Site, the NYSDEC will provide a notice of any approved changes to the SMP and append these notices to the SMP.

Site Management Plan Monitoring/Inspection Schedule			
Monitoring/Inspection Frequency	*Frequency**	*Matrix*	*Analysis*
Monitoring of the Performance of the remedy	Once-a-year for Five (5) years	Groundwater	Target contaminant level (TCL) SVOCs, TCL VOCs, TAL Metals/Hg and Cyanide.
Site Inspection	Once-a-year for Five (5) years	N/A	N/A

* The frequency of events will be conducted as specified until otherwise approved by NYSDEC, New York State Department of Health and EPA.

Potential Site impacts from climate change have been assessed, and the performance of the remedy is currently not at risk due to the expected effects of climate change in the region and near the Site.

III. PROGRESS SINCE THE LAST REVIEW

This is the first FYR for this Site.

IV. FIVE-YEAR REVIEW PROCESS

Community Notification, Involvement & Site Interviews

During the FYR process, EPA prepared a public notice that indicated that EPA would be conducting a FYR of the remedy for the Site to ensure that the implemented remedy remains protective of human health and the environment. The notice also indicated that once the FYR was completed, the results would be made available at the Ellenville Superfund Site webpage, www.epa.gov/superfund/ellenville-scrap. For public questions related to the Site or the FYR process, the notice also provided the contact information of the remedial project manager (RPM) for the Site.

On May 18, 2017, EPA supplied the Town of Wawarsing and the Village of Ellenville with the public notice and requested that they include it on any community webpage and/or post a flyer of the public notice in a public area. In June 2017, the flyer was printed and posted it on public boards in the municipal building.

On November 14, 2016, EPA Region 2 posted a notice on its website indicating that it would be reviewing site cleanups and remedies at 38 Superfund sites in New York and New Jersey, including the Ellenville Scrap Iron and Metal Superfund site. The announcement can be found at the following web address: https://www.epa.gov/sites/production/files/2016-11/documents/five_year_reviews_fy2017_final.pdf.

Two interviews were conducted as part of the FYR process. One River Street resident indicated that he had no issues with living near the capped landfill. The other long-time resident on Cape Road, living adjacent to the landfill, remains satisfied with EPA's efforts in cleaning up the Site. No comments have been received from the public or from any stakeholders during this review.

Data Review

In March 2015, management of the OM&M for the Site was transferred from EPA to NYSDEC. NYSDEC follows the SMP as a guide for implementing any media sampling and maintenance of the cap and its appurtenances.

Groundwater

As identified in the SMP, the following 12 monitoring wells are presently at the Site (shown in **Figure 2**):

- EPA-03R downgradient overburden well at eastern property boundary, located west of the off-property residential area [replacement to EPA-03].
- EPA-03B downgradient bedrock well at eastern property boundary.
- EPA-04 downgradient overburden well at southeast property boundary.
- EPA-05 downgradient overburden well at southern property boundary.
- EPA-06 downgradient overburden well at southwest property boundary.
- EPA-07 upgradient overburden well.
- EPA-08 upgradient overburden well [replacement to EPA-01 and EPA-02].
- EPA-08B upgradient bedrock well.
- EPA-09 downgradient overburden well within 50 feet of landfill boundary.
- EPA-10 downgradient overburden well within 50 feet of landfill boundary.
- EPA-10B downgradient bedrock well within 50 feet of landfill boundary.
- EPA-11 downgradient overburden well within 50 feet of landfill boundary.

Prior to the completion of the remedial action, groundwater monitoring data showed limited exceedances of NYS standards for antimony, arsenic, chromium and lead in the overburden groundwater. High iron and manganese concentrations were attributed to the naturally occurring

background conditions. Sodium levels were high in the upgradient wells, indicating that it is also naturally occurring. VOCs that were sampled were primarily non-detect. The only SVOC that exceeded the standard was caprolactum at EPA-07.

During this FYR period, EPA collected two rounds of groundwater data in May 2012 and July/August 2012. The NYSDEC collected one round of groundwater data in September 2016. The groundwater data for the 2012 sampling events are shown in **Tables 2 – 7**. The groundwater data for the 2016 sampling event are shown in **Tables 8 – 10**.

As shown above, the sampling regimen for this FYR did not wholly conform to the SMP's recommended sampling frequency as a result of some extended time that was necessary for the EPA to execute the Site transfer agreement with the NYSDEC. Future groundwater sampling and inspections are expected to conform to the SMP's schedule.

In 2016, the depth to groundwater was approximately four feet below ground surface (bgs) on the upper plateau and 15 feet bgs on the lower plateau. The groundwater flow direction is generally to the south within the waste area and to the east on the lower plateau. Groundwater flow is not directly toward the Beer Kill which flows east.

Overburden Monitoring Wells

The overburden wells EPA-04, EPA-05, EPA-06, EPA-07, EPA-08, EPA-09 and EPA-10 were sampled in 2012. Chloromethane and PCE were the only VOCs detected in the overburden wells but were below the cleanup levels. No SVOCs, PCBs or pesticides were detected. The May 2012 sampling event showed that EPA-06 and EPA-10 had arsenic, chromium and lead concentrations above the NYS standards. The August 2012 sampling event for EPA-06 and EPA-10 showed the concentrations for arsenic, chromium and lead below the standards. Iron, manganese and sodium, constituents that are naturally occurring, were detected but are consistent with post-remediation levels supporting naturally occurring conditions.

For the 2016 sampling event, NYSDEC elected not to include monitoring wells EPA-04, EPA-05, EPA-06 and EPA-07. These monitoring wells were not required to be sampled in order to meet the substantive requirements of NYCRR Part 360. During the 2016 sampling, three wells (EPA-03R, EPA-08 and EPA-11) could not be sampled as a result of dry conditions in the wells.

During this sampling event, three VOCs were detected at EPA-10, but only tetrachloroethene (PCE) exceeded the standard at 6.7 µg/L, slightly above that standard of 5 µg/L. No SVOCs were detected. In EPA-10, arsenic, beryllium, chromium, lead and nickel were shown to be above the standards. Iron, manganese and sodium exceeded standards at both wells.

Bedrock Monitoring Wells

Three bedrock wells were sampled in 2012 and 2016: EPA-03B, EPA-08B and EPA-10B. Chloromethane was the only VOC detected below the standard in EPA-3B. No SVOCs were detected. Arsenic and lead did not exceed the NYS standards. Iron, manganese, and sodium were

above the standards in most samples and elevated levels were consistent with naturally occurring conditions.

As a result of low baseline concentrations and the installation of the landfill cap, groundwater contaminant concentrations at the Site are expected to reach the water quality RAO for the Site contaminants over the next few years. The discharge RAO is complete because current groundwater conditions do not indicate contaminant discharge into the Beer Kill.

Surface Water

In 2016, one surface water sample, collected from the wetlands area, showed elevated levels of iron, manganese and sodium above NYS standards which are not contaminants of concern but reflect naturally occurring conditions. There are no surface water RAOs.

Site Inspections

In April and September 2016, NYSDEC and its contractor performed semi-annual Site inspections to ensure the remedial measures have not been compromised. These included inspection of the landfill cap, detention basin, perimeter drainage swales, monitoring wells, gas vents, constructed wetland area, access roads, guard rails and fence lines.

All entrances to the Site were noted as secure and the inner fence that surrounds the main landfill area was fully intact with a small break in the northeast corner. The landfill cap was dry and the soil stable; however, five (5) animal burrows were discovered on the southern portion of the cap, each approximately six (6)-inches in diameter. The burrows appear not to be recent disturbances to the cap and were likely made prior to 2016. No animal presence was observed while on-site. The vegetation on the landfill is green and has grown to an average height of less than six inches.

The landfill cap has been mowed twice during this time period. During the inspections, NYSDEC confirmed that the vegetation is at an acceptable height and roots are prevented from penetrating the landfill cap.

The landfill gas vents at the Site are in good condition. The swales, located on the perimeter of the Site, did not contain any water, and there are no areas of active erosion or excessive vegetation growth. The storm water outfall structure to the wetland was inspected and was functioning as designed. The created wetland was also inspected and found to have no issue. Inspection of the formerly-forested wetland area on the lower plateau of the Cape Road residential property showed that some of the trees planted as part of the remedial action are in poor condition and appear to be no longer viable.

All monitoring wells were secure and concrete well pads were free of large cracks and signs of deterioration. Outside the fenced area, each monitoring well’s condition was inspected, the wellhead screened with a photoionization detector (PID), the total well depth, depth to product (if any) and depth to water measurements recorded. No product or elevated PID readings were observed at any of the monitoring wells inspected.

Site access roads around the perimeter of the Site are in good condition. The interior fence line is in good condition and the gates are secure. A minor gap (less than 6-inches) in the exterior fence line in the northwest corner of the Site will be repaired.

Institutional Controls Verification

Figure 2 shows the current configuration of the Site with the Declaration of Covenants, Restrictions and Environmental Easements Map which identifies the fenced capped landfill area that is maintained under specific ECs.

Site Inspection

A FYR Site visit and inspection was conducted on Tuesday, May 16, 2017. The inspection team included: from EPA – Damian Duda, RPM, Kathryn Flynn, hydrogeologist and Chuck Nace, risk assessor, from NYSDEC – Lexi Servis, Project Manager, and from TRC Engineers (NYSDEC contractor) – Mark Flanagan, contractor for NYSDEC. The purpose of the inspection was to assess the protectiveness of the remedy.

The team conducted a walk over of the landfill cap to ensure that the integrity of the cap and the associated drainage swales remain operational. The wetland on the northwest side of the fenced landfill in the lower plateau was found to be flourishing. The team also inspected the monitoring wells throughout the Site both inside the fenced area and outside the fenced area, as well as the Beer Kill on the southwestern part of the property. The remediated residential properties were also inspected and found to be acceptable.

The FYR Site inspection team found no issues during its inspection. No corrective actions were deemed necessary.

V. TECHNICAL ASSESSMENT

QUESTION A: Is the remedy functioning as intended by the decision documents?

The landfill cap is intact and continues to operate as designed and installed. Leachate is not generated at the Site, because the waste is not in contact with groundwater, and the impermeable cap prevents surface water infiltration. Regular site inspections of the landfill cap and surrounding areas show that the remedial action is complete and continues to function as designed.

As a result of the low baseline concentrations and the installation of the landfill cap, groundwater contaminant concentrations at the Site are expected to reach the water quality cleanup levels for the Site contaminants within the next few years.

Current groundwater conditions and the surface water sampling event do not indicate that there is any contaminant discharge into the Beer Kill. The wetlands area that was created as part of the remedial action continues to be a viable refuge for flora and fauna and migratory birds.

The Declaration of Covenants, Restrictions and Environmental Easements Map, Successors-in-Title and SMP are in place, and the ICs will continue to be implemented, according to these documents, maps and surveys.

QUESTION B: Are the exposure assumptions, toxicity data, cleanup levels and RAOs used at the time of the remedy selection still valid?

Human Health – This is the first FYR since the HHRA was completed. The HHRA evaluated exposure to on-site trespassers/recreators, commercial/industrial workers and residents and off-site residents for ingestion, inhalation and dermal contact with soils, subsurface soils, leachate, groundwater, surface water and sediments.

During the preliminary design investigation, soil gas was assessed at some of the nearby residential properties in order to determine if vapor intrusion was an issue. Investigation results showed that vapor intrusion was not identified as an issue at this Site, mainly, since any groundwater contamination consisted mostly of metals and low levels of VOCs.

The exposure assumptions that were used for the receptors and exposure pathways were the standard default values that were valid at the time. The standard exposure default values have changed for several parameters including: body weight, water ingestion rate and skin surface area since the HHRA was completed; however, the changes result in only a marginal change in risk and hazard estimates, *i.e.*, slightly lower. The use of the new values would not impact the remedy decision that was made for the Site; therefore, the exposure assumptions used at the time would still be considered to be valid.

Similar to the exposure assumptions, several toxicity values have changed since the HHRA was completed. In general, the toxicity values have become more stringent, which would slightly increase the risk and hazard estimates. Although the former toxicity values would no longer be valid, as new values have replaced them, the decisions made based on the former values would still be valid.

In addition, media that contained elevated concentrations of contaminants were remediated, so the previous pathways that were evaluated have been eliminated. The cleanup goals that were selected were based on federal and state applicable or relevant and appropriate requirements (ARARs) or to-be-considereds (TBCs). They remain valid for all compounds although the lead cleanup value requires additional discussion. EPA has recently revised the input parameters and modeling approach for deriving cleanup values for lead. The revised approach uses site-specific derived parameters that measure the bioavailability of lead, as well as a reduced acceptable blood lead value, which provides a cleanup goal ranging from 150-250 mg/kg depending upon the parameter values selected.

There were three primary areas where lead was identified for remediation, two residential properties and a hillside that contained battery casings in a battery recycling area. The cleanup goal chosen for these areas was 400 mg/kg which was the NYS Part 375 RSCO. The post-excavation sampling results for the residential areas were evaluated as part of this FYR since

those properties had limited excavation. The average value of lead at these two properties, post-excavation, are 318 and 295 mg/kg, which are below the cleanup value selected in the ROD, but above the range of values using the revised lead guidance.

The areas within these properties were viewed during the FYR Site inspection. One of the properties contained an above-ground pool that covered the entire area of the remediation and the other property contained healthy vegetation over the entire remediated area. The hillside that contained battery casings had extensive excavation, backfilling with 2 feet of clean fill, regrading and rip rap installed for soil stabilization. As a result of the extensive nature of the remedial action, soil areas outside of the demarcated 400 mg/kg boundary were also excavated or received clean fill or rip rap, which would result in surface soils being below the remediation goal and the revised remediation goal range using the new guidance. Therefore, all the cleanup goals that were chosen remain protective of human health and are still valid. The RAOs focused on preventing exposure to, and migration of, contaminants in groundwater, soil, solid waste, leachate and air and are still valid.

Ecological – There was a screening ecological risk assessment completed for the Site that evaluated ecological exposure to soils, leachate, groundwater discharge to sediments and surface water, sediment and surface water, as well as ingestion of terrestrial prey items. The ecological risk assessment concluded there were unacceptable risks in the upper plateau, flood plain and forested wetland, minimal risk in the Beer Kill and no risk from runoff, leachate or groundwater, although leachate was identified as a viable transport mechanism. The completed exposure pathways in the areas identified with unacceptable risk were eliminated through the implementation of the selected remedy. Soils and solid waste from the upper plateau, flood plains and forested wetland were excavated, consolidated and capped. The leachate at the Site has been controlled through the capping of the upper plateau which controls water infiltration and through drainage control and rip rap placement at the toe of the landfill. No leachate was observed during the FYR Site inspection. The exposure pathways, assumptions and toxicity values that were used in the risk assessment were reviewed, and they are still valid. In addition, the cleanup values and the RAOs used at the time of the remedy selection are still valid and protective of the environment.

Reasonably anticipated land use for the lower plateau area remains the same as identified in the SMP. Site conditions have not changed since the Site was transferred to NYSDEC for continued OM&M.

QUESTION C: Has any other information come to light that could call into question the protectiveness of the remedy?

No other information has come to light that could call into question the protectiveness of the remedy; however, there was one observation that was made that should be addressed. The former forested wetland area was primarily deforested as part of the remedial action and replacement trees were planted. Many of the planted trees are in poor condition or no longer viable. A large recruitment crop of trees is growing naturally in the forested wetland area. These trees should be permitted to grow so that the forested wetland can reestablish , *i.e.*, no mowing should occur in

this area,. In addition, if the trees that are in poor condition or dead are replaced, a species that is able to survive in wet conditions should be selected.

VI. ISSUES/RECOMMENDATIONS

Issues/Recommendations
OU(s) without Issues/Recommendations Identified in the Five-Year Review:
OU1

The following suggestions are provided here to improve the accuracy of the data reporting for all sampling events and of any Site investigatory and inspection activities.

1) NYSDEC should sample at least one of the three monitoring wells near the Beer Kill during their next round of groundwater sampling.
2) NYSDEC should assess the conditions of the dead or dying trees that were planted during the remedial action in the lower plateau of the Cape Road residential property and consider their replacement with a species that is able to survive in somewhat wet conditions.

VII. PROTECTIVNESS STATEMENT

Protectiveness Statement(s)	
Operable Unit: OU1	*Protectiveness Determination:* Protective
Protectiveness Statement: The remedy implemented at the Ellenville Scrap Iron and Metal site is protective of human health and the environment.	

Sitewide Protectiveness Statement (if applicable)	
For sites that have achieved construction completion, enter a sitewide protectiveness determination and statement.	
Protectiveness Determination: Protective	*Addendum Due Date (if applicable):* Click here to enter date.
Protectiveness Statement: The remedy implemented at the Ellenville Scrap Iron and Metal site is protective of human health and the environment.	

VIII. NEXT REVIEW

The next FYR report for the Ellenville Scrap Iron and Metal Superfund site is required five years from the completion date of this review.

APPENDIX A

TABLES

TABLE 1

Documents Reviewed for the 2017 Five-Year Review

Remedial Investigation Report – Ellenville Scrap Iron and Metal Site, HDR, July 2010
Feasibility Study Report – Ellenville Scrap Iron and Metal Site, HDR, July 2010
Conceptual Pre-Design Investigation Sampling Plan for Off-Site Residential Properties, Ellenville Scrap Iron and Metal Site, HDR, September 15, 2010
Record of Decision – Ellenville Scrap Iron and Metal Site, EPA, September 30, 2010
Final Pre-Design Investigation Report, Ellenville Scrap Iron and Metal Superfund Site, U.S. Army Corps of Engineers, HDR/O'Brien & Gere Joint Venture (HDR/OBG KV), March 2011.
Summary of Groundwater Monitoring Wells, Ellenville Scrap Iron and Metal Site, HDR, May 24, 2011
Preliminary Close-Out Report – Ellenville Scrap Iron and Metal Site, EPA, September 30, 2011
Final Remedial Action Report – Ellenville Scrap Iron and Metal Site, U.S. Army Corps of Engineers, HDR/OBG JV), July 2012
Groundwater Summary Report – Ellenville Scrap Iron and Metal Superfund Site, HDR, September 12, 2012
Site Management Plan – Ellenville Scrap Iron and Metal Site, U.S. Army Corps of Engineers, HDR/OBG JV, August 2013
Declaration of Covenants, Restrictions and Environmental Easements Survey and Map with the Engineering and Institutional Controls – Ellenville Scrap Iron and Metal Site, Layout, Inc./Army Corps/HDR/OBG JV, March 2015
Site Transfer Agreement between the U.S. Environmental Protection Agency, Region 2 and the New York State Department of Environmental Conservation – Ellenville Scrap Iron and Metal Site, EPA/NYSDEC, March 2015
Notice to Successors-in-Title to Property in Ellenville, New York owned by Catello Viviani – Ellenville Scrap Iron and Metal Site, Recorded in Ulster County, August 18, 2016
Notice to Successors-in-Title to Property in Ellenville, New York owned by Ellenville Scrap Iron & Metal Co. – Ellenville Scrap Iron and Metal Site, Recorded in Ulster County, New York, August 11, 2016.
Periodic Review Report – Ellenville Scrap Iron and Metal Superfund Site, NYSDEC/TRC Engineers, Inc., June 2017

Table 2
Depth to Water and Groundwater Elevation Measurements
Post-Remedial Action Groundwater Monitoring Events
Ellenville Scrap Iron and Metal Superfund Site
Town of Wawarsing, Village of Ellenville, Ulster County, New York

Well ID	Total Depth Installed (feet bgs)	Screen Interval (feet bgs)	Northing Coordinate	Easting Coordinate	Top of Inner Casing Elevation	May 2012 Monitoring Event						July 2012 Monitoring Event			
						Total Depth Measured	Measured Difference Between Ground Surface and Top of Inner Casing	Depth to Water (05/01/12)	Groundwater Elevation (05/01/12)	Depth to Water (05/02/12)	Groundwater Elevation (05/02/12)	Total Depth Measured	Measured Difference Between Ground Surface and Top of Inner Casing	Depth to Water (07/30/12)	Groundwater Elevation (07/30/12)
EPA-03	18	11-18	1052781.72	518294.71	400.57	5.59**	2.70	Not Measured	--	Not Measured	--	Abandoned	Abandoned	Abandoned	--
EPA-03R	16.5	6.5-16.5	1052788.37	518296.11	399.61	Not Installed	Not Installed	Not Installed	--	Not Installed	--	14.76	2.70	12.44	387.17
EPA-03B	49.5	14.5-49.5	1052765.18	518283.15	397.14	51.30	1.20	9.19	387.95	9.15	387.99	51.29	1.20	9.83	387.31
EPA-04	20.5	15.5-20.5	1052479.48	518106.84	395.99	22.28	1.80	9.35	386.64	9.51	386.48	22.34	1.80	10.53	385.46
EPA-05	27	22-27	1052439.06	517770.62	402.32	25.52	1.90	12.75	389.57	14.93	387.39	29.54	1.90	13.03	389.29
EPA-06	35	30-35	1052769.90	517435.94	410.80	35.91	1.60	14.11	396.69	14.19	396.61	35.77	1.60	14.13	396.67
EPA-07	27.5	22.5-27.5	1053493.63	517402.71	457.97	28.37	2.10	22.88	435.09	22.87	435.10	28.43	2.10	23.20	434.77
EPA-08	8	3-8	1053309.68	517780.34	452.52	10.15	1.90	8.11	444.41	7.87	444.65	10.16	1.90	Dry	--
EPA-08B	26.3	6.5-26.3	1053307.22	517786.94	450.76	33.40	2.10	12.33	438.43	12.31	438.45	33.42	2.10	13.40	437.36
EPA-09	18	8-18	1053045.84	517452.94	411.02	20.19	1.05	14.77	396.25	14.72	396.30	20.28	1.05	14.98	396.04
EPA-10	28	13-28	1052873.08	517850.93	404.17	30.20	1.10	15.94	388.23	15.92	388.25	30.43	1.10	15.42	388.75
EPA-10B	55.5	40.5-55.5	1052877.07	517853.54	404.28	57.50	1.10	12.46	391.82	12.43	391.85	57.51	1.10	13.33	390.95
EPA-11	7.5	3.5-7.5	1052908.00	518150.13	397.24	8.80	1.60	Dry	--	Dry	--	8.79	1.60	Dry	--

Notes:
bgs = below ground surface
** = Probable obstruction in well.
Depth to water and total well depth measured from top of inner casing (TIC) and are provided in feet.
Horizontal Datum: New York State Plan (East) - North American Datum (NAD83:Feet)

Table 3
Field Parameter Measurements
Post-Remedial Action Groundwater Monitoring Events
Ellenville Scrap Iron and Metal Superfund Site
Town of Wawarsing, Village of Ellenville, Ulster County, New York

Well ID	May 2012 Monitoring Event*						July 2012 Monitoring Event*					
	pH	Temperature (degrees C)	Conductivity (mS/cm)	Dissolved Oxygen (ppm)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	pH	Temperature (degrees C)	Conductivity (mS/cm)	Dissolved Oxygen (ppm)	Oxidation Reduction Potential (mV)	Turbidity (NTU)
EPA-03	--	--	--	--	--	--	AB	AB	AB	AB	AB	AB
EPA-03R	NI	NI	NI	NI	NI	NI	6.62	20.93	0.627	0.07	29	8.5
EPA-03B	6.58	12.25	0.442	0.00	-62	95.6	6.63	18.27	0.493	0.41	-111	144
EPA-04	7.23	10.46	0.286	0.00	-105	9.9	7.72	16.35	0.313	0.14	-72	32.0
EPA-05	6.65	11.00	0.372	0.00	-36	45.8	6.52	14.29	0.414	0.49	-91	6.4
EPA-06	7.32	17.64	0.162	4.82	122	>999	6.16	14.12	0.173	0.60	-21	191
EPA-07	5.28	11.94	0.130	5.05	357	34.0	5.36	17.82	0.136	5.76	228	11.4
EPA-08	6.96	14.11	0.401	6.99	194	39.9	NS	NS	NS	NS	NS	NS
EPA-08B	7.28	12.97	0.220	3.80	222	80.1	6.72	19.12	0.316	3.07	84	26.6
EPA-09	6.09	8.95	0.178	4.85	254	47.3	5.42	17.59	0.159	1.35	196	2.3
EPA-10	6.20	12.36	0.806	1.28	-31	>999	6.95	20.51	0.917	6.00	-129	62.9
EPA-10B	8.97	11.74	0.247	0.91	36	24.2	7.71	22.46	0.235	0.41	-213	4.1
EPA-11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:
* = Field parameter measurements recorded just prior to sample collection.
-- = Well not sampled due to suspected obstruction.
AB = Well abandoned.
NI = Well not installed.
NS = Well not sampled due to dry conditions.

Table 4
Volatile Organic Compound Analytical Results
Post-Remedial Action Groundwater Monitoring Events Ellenville
Scrap Iron and Metal Superfund Site
Town of Wawarsing, Village of Ellenville, Ulster County, New York

		Well ID	EPA-03	EPA-03	EPA-03R	EPA-03R	EPA-03B	EPA-03B	EPA-04	EPA-04	EPA-04 (Dup)
		Sample ID	--	--	--	1208005-06	1205021-02	1208005-07	1205022-01	1208005-01	1208005-04
		Sample Date	May-12	Jul-12	May-12	07/31/12	05/02/12	07/31/12	05/03/12	07/30/12	07/30/12
		Unit	--	--	--	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Analyte	**CAS Number**	**NYSDEC Criteria**									
Acetone	67-64-1	No Criteria	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	71-43-2	1	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromochloromethane	74-97-5	5	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromodichloromethane	75-27-4	No Criteria	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	75-25-2	No Criteria	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromomethane	74-83-9	5	NS	AB	NI	0.50 UJ	0.50 U	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ
2-Butanone	78-93-3	No Criteria	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	75-15-0	60	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Tetrachloride	56-23-5	5	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chlorobenzene	108-90-7	5	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	75-00-3	5	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroform	67-66-3	7	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloromethane	74-87-3	5	NS	AB	NI	0.50 U	2.1	0.50 U	0.56	0.50 U	0.50 U
Cyclohexane	110-82-7	No Criteria	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromo-3-Chloropropane	96-12-8	0.04	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dibromochloromethane	124-48-1	No Criteria	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichlorobenzene	95-50-1	3	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichlorobenzene	541-73-1	3	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,4-Dichlorobenzene	106-46-7	3	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dichlorodifluoromethane	75-71-8	5	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromoethane	106-93-4	0.0006	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	75-34-3	5	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	75-35-4	5	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloroethane	107-06-2	0.6	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	156-59-2	5	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	156-60-5	5	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloropropane	78-87-5	1	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-Dichloropropene	10061-01-5	0.4	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-Dichloropropene	10061-02-6		NS	AB	NI	1.0 U	0.50 U	1.0 U	0.50 U	1.0 U	1.0 U
Ethylbenzene	100-41-4	5	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Hexanone	591-78-6	No Criteria	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Isopropylbenzene	98-82-8	5	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-Methyl-2-Pentanone	108-10-1	No Criteria	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl Acetate	79-20-9	No Criteria	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methylcylohexane	108-87-2	No Criteria	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methylene chloride	75-09-2	5	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methyl tert-Butyl Ether	1634-04-4	No Criteria	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Styrene	100-42-5	5	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	79-34-5	5	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	127-18-4	5	NS	AB	NI	1.4	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	108-88-3	5	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-Trichlorobenzene	87-61-6	5	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-Trichlorobenzene	120-82-1	5	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	5	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Table 4 (cont'd)
Volatile Organic Compound Analytical Results
Post-Remedial Action Groundwater Monitoring Events
Ellenville Scrap Iron and Metal Superfund Site
Town of Wawarsing, Village of Ellenville, Ulster County, New York

		Well ID	EPA-03	EPA-03	EPA-03R	EPA-03R	EPA-03B	EPA-03B	EPA-04	EPA-04	EPA-04 (Dup)
		Sample ID	--	--	--	1208005-06	1205021-02	1208005-07	1205022-01	1208005-01	1208005-04
		Sample Date	May-12	Jul-12	May-12	07/31/12	05/02/12	07/31/12	05/03/12	07/30/12	07/30/12
		Unit	--	--	--	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Analyte	**CAS Number**	**NYSDEC Criteria**									
1,1,1-Trichloroethane	71-55-6	5	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichloroethane	79-00-5	1	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Trichloroethene	79-01-6	5	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Trichlorofluoromethane	75-69-4	5	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	75-01-4	2	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m/p-Xylene	1330-20-7	5	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	95-47-6	5	NS	AB	NI	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Notes:
NYSDEC Criteria = New York State Department of Environmental Conservation Part 703:
Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations for Class GA Waters
AB = Well abandoned.
K = The identification of the analyte is acceptable; the reported value may be biased high.
NC = Not collected due to dry conditions at well location.
NI = Not installed.
NS = Not sampled due to suspected obstruction.
U = The analyte was not detected at or above the reporting limit.

Table 4 (cont'd)
Volatile Organic Compound Analytical Results
Post-Remedial Action Groundwater Monitoring Events
Ellenville Scrap Iron and Metal Superfund Site
Town of Wawarsing, Village of Ellenville, Ulster County, New York

		Well ID	EPA-05	EPA-05	EPA-06	EPA-06	EPA-07	EPA-07	EPA-08	EPA-08	EPA-08B	EPA-08B
		Sample ID	1205022-02	1208010-05	1205022-03	1208010-01	1205021-03	1208005-02	1205021-04	--	1205021-05	1208010-09
		Sample Date	05/03/12	08/01/12	05/03/12	08/01/12	05/01/12	07/30/12	05/01/12	Jul-12	05/01/12	07/31/12
		Unit	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	--	ug/l	ug/l
Analyte	**CAS Number**	**NYSDEC Criteria**										
Acetone	67-64-1	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	5.0 U	5.0 U
Benzene	71-43-2	1	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
Bromochloromethane	74-97-5	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
Bromodichloromethane	75-27-4	No Criteria	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
Bromoform	75-25-2	No Criteria	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
Bromomethane	74-83-9	5	0.50 U	0.50 UJ	0.50 U	0.50 UJ	0.50 U	0.50 UJ	0.50 U	NC	0.50 U	0.50 UJ
2-Butanone	78-93-3	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	5.0 U	5.0 U
Carbon Disulfide	75-15-0	60	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
Carbon Tetrachloride	56-23-5	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
Chlorobenzene	108-90-7	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
Chloroethane	75-00-3	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
Chloroform	67-66-3	7	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
Chloromethane	74-87-3	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
Cyclohexane	110-82-7	No Criteria	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
1,2-Dibromo-3-Chloropropane	96-12-8	0.04	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
Dibromochloromethane	124-48-1	No Criteria	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
1,2-Dichlorobenzene	95-50-1	3	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
1,3-Dichlorobenzene	541-73-1	3	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
1,4-Dichlorobenzene	106-46-7	3	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
Dichlorodifluoromethane	75-71-8	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
1,2-Dibromoethane	106-93-4	0.0006	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
1,1-Dichloroethane	75-34-3	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
1,1-Dichloroethene	75-35-4	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
1,2-Dichloroethane	107-06-2	0.6	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
cis-1,2-Dichloroethene	156-59-2	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
trans-1,2-Dichloroethene	156-60-5	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
1,2-Dichloropropane	78-87-5	1	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
cis-1,3-Dichloropropene	10061-01-5	0.4	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
trans-1,3-Dichloropropene	10061-02-6		0.50 U	1.0 U	0.50 U	1.0 U	0.50 U	1.0 U	0.50 U	NC	0.50 U	1.0 U
Ethylbenzene	100-41-4	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
2-Hexanone	591-78-6	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	5.0 U	5.0 U
Isopropylbenzene	98-82-8	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
4-Methyl-2-Pentanone	108-10-1	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	5.0 U	5.0 U
Methyl Acetate	79-20-9	No Criteria	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
Methylcylohexane	108-87-2	No Criteria	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
Methylene chloride	75-09-2	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
Methyl tert-Butyl Ether	1634-04-4	No Criteria	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
Styrene	100-42-5	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	79-34-5	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
Tetrachloroethene	127-18-4	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
Toluene	108-88-3	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
1,2,3-Trichlorobenzene	87-61-6	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
1,2,4-Trichlorobenzene	120-82-1	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U

Table 7 (cont'd)
Volatile Organic Compound Analytical Results
Post-Remedial Action Groundwater Monitoring Events
Ellenville Scrap Iron and Metal Superfund Site
Town of Wawarsing, Village of Ellenville, Ulster County, New York

		Well ID	EPA-05	EPA-05	EPA-06	EPA-06	EPA-07	EPA-07	EPA-08	EPA-08	EPA-08B	EPA-08B
		Sample ID	1205022-02	1208010-05	1205022-03	1208010-01	1205021-03	1208005-02	1205021-04	--	1205021-05	1208010-09
		Sample Date	05/03/12	08/01/12	05/03/12	08/01/12	05/01/12	07/30/12	05/01/12	Jul-12	05/01/12	07/31/12
		Unit	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	--	ug/l	ug/l
Analyte	**CAS Number**	**NYSDEC Criteria**										
1,1,1-Trichloroethane	71-55-6	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
1,1,2-Trichloroethane	79-00-5	1	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
Trichloroethene	79-01-6	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
Trichlorofluoromethane	75-69-4	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
Vinyl Chloride	75-01-4	2	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
m/p-Xylene	1330-20-7	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U
o-Xylene	95-47-6	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	0.50 U	0.50 U

Notes:
NYSDEC Criteria = New York State Department of Environmental Conservation Part 703:
Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations for Class GA Waters
AB = Well abandoned.
K = The identification of the analyte is acceptable; the reported value may be biased high.
NC = Not collected due to dry conditions at well location.
NI = Not installed.
NS = Not sampled due to suspected obstruction.
U = The analyte was not detected at or above the reporting limit.

Table 4 (cont'd)
Volatile Organic Compound Analytical Results
Post-Remedial Action Groundwater Monitoring Events
Ellenville Scrap Iron and Metal Superfund Site
Town of Wawarsing, Village of Ellenville, Ulster County, New York

		Well ID	EPA-09	EPA-09	EPA-10	EPA-10	EPA-10B	EPA-10B (Dup)	EPA-10B	EPA-11	EPA-11
		Sample ID	1205021-06	1208005-03	1205021-07	1208010-06	1205021-08	1205021-01	1208010-08	--	--
		Sample Date	05/02/12	07/30/12	05/02/12	08/01/12	05/02/12	05/02/12	07/31/12	May-12	Jul-12
		Unit	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	--	--
Analyte	**CAS Number**	**NYSDEC Criteria**									
Acetone	67-64-1	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
Benzene	71-43-2	1	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
Bromochloromethane	74-97-5	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
Bromodichloromethane	75-27-4	No Criteria	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
Bromoform	75-25-2	No Criteria	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
Bromomethane	74-83-9	5	0.50 U	0.50 UJ	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 UJ	NC	NC
2-Butanone	78-93-3	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
Carbon Disulfide	75-15-0	60	0.50 U	0.50 U	0.55	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
Carbon Tetrachloride	56-23-5	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
Chlorobenzene	108-90-7	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
Chloroethane	75-00-3	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
Chloroform	67-66-3	7	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
Chloromethane	74-87-3	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
Cyclohexane	110-82-7	No Criteria	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
1,2-Dibromo-3-Chloropropane	96-12-8	0.04	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
Dibromochloromethane	124-48-1	No Criteria	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
1,2-Dichlorobenzene	95-50-1	3	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
1,3-Dichlorobenzene	541-73-1	3	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
1,4-Dichlorobenzene	106-46-7	3	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
Dichlorodifluoromethane	75-71-8	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
1,2-Dibromoethane	106-93-4	0.0006	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
1,1-Dichloroethane	75-34-3	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
1,1-Dichloroethene	75-35-4	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
1,2-Dichloroethane	107-06-2	0.6	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
cis-1,2-Dichloroethene	156-59-2	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
trans-1,2-Dichloroethene	156-60-5	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
1,2-Dichloropropane	78-87-5	1	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
cis-1,3-Dichloropropene	10061-01-5	0.4	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
trans-1,3-Dichloropropene	10061-02-6		0.50 U	1.0 U	0.50 U	1.0 U	0.50 U	0.50 U	1.0 U	NC	NC
Ethylbenzene	100-41-4	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
2-Hexanone	591-78-6	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
Isopropylbenzene	98-82-8	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
4-Methyl-2-Pentanone	108-10-1	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
Methyl Acetate	79-20-9	No Criteria	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
Methylcylohexane	108-87-2	No Criteria	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
Methylene chloride	75-09-2	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
Methyl tert-Butyl Ether	1634-04-4	No Criteria	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
Styrene	100-42-5	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
1,1,2,2-Tetrachloroethane	79-34-5	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
Tetrachloroethene	127-18-4	5	0.50 U	0.50 U	0.53	0.97	0.50 U	0.50 U	0.50 U	NC	NC
Toluene	108-88-3	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
1,2,3-Trichlorobenzene	87-61-6	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
1,2,4-Trichlorobenzene	120-82-1	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC

Table 4 (cont'd)
Volatile Organic Compound Analytical Results
Post-Remedial Action Groundwater Monitoring Events
Ellenville Scrap Iron and Metal Superfund Site
Town of Wawarsing, Village of Ellenville, Ulster County, New York

		Well ID	EPA-09	EPA-09	EPA-10	EPA-10	EPA-10B	EPA-10B (Dup)	EPA-10B	EPA-11	EPA-11
		Sample ID	1205021-06	1208005-03	1205021-07	1208010-06	1205021-08	1205021-01	1208010-08	--	--
		Sample Date	05/02/12	07/30/12	05/02/12	08/01/12	05/02/12	05/02/12	07/31/12	May-12	Jul-12
		Unit	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	--	--
Analyte	**CAS Number**	**NYSDEC Criteria**									
1,1,1-Trichloroethane	71-55-6	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
1,1,2-Trichloroethane	79-00-5	1	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
Trichloroethene	79-01-6	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
Trichlorofluoromethane	75-69-4	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
Vinyl Chloride	75-01-4	2	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
m/p-Xylene	1330-20-7	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC
o-Xylene	95-47-6	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NC	NC

Notes:
NYSDEC Criteria = New York State Department of Environmental Conservation Part 703:
Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations for Class GA Waters
AB = Well abandoned.
K = The identification of the analyte is acceptable; the reported value may be biased high.
NC = Not collected due to dry conditions at well location.
NI = Not installed.
NS = Not sampled due to suspected obstruction.
U = The analyte was not detected at or above the reporting limit.

Table 5
Semivolatile Organic Compound Analytical Results
Post-Remedial Action Groundwater Monitoring Events
Ellenville Scrap Iron and Metal Superfund Site
Town of Wawarsing, Village of Ellenville, Ulster County, New York

		Well ID	EPA-03	EPA-03	EPA-03R	EPA-03R	EPA-03B	EPA-03B	EPA-04	EPA-04	EPA-04 (Dup)
		Sample ID	--	--	--	BA953	BA925	BA954	BA926	BA955	BA965
		Sample Date	May-12	Jul-12	May-12	07/31/12	05/02/12	07/31/12	05/03/12	07/30/12	07/30/12
		Unit	--	--	--	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Analyte	**CAS Number**	**NYSDEC Criteria**									
Acenaphthene	83-32-9	No Criteria	NS	AB	NI	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Acenaphthylene	208-96-8	No Criteria	NS	AB	NI	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Acetophenone	98-86-2	No Criteria	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Anthracene	120-12-7	No Criteria	NS	AB	NI	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Atrazine	1912-24-9	7.5	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzaldehyde	100-52-7	No Criteria	NS	AB	NI	5.0 U	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U
Benzo[a]anthracene	56-55-3	No Criteria	NS	AB	NI	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo[b]fluoranthene	205-99-2	No Criteria	NS	AB	NI	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo[k]fluoranthene	207-08-9	No Criteria	NS	AB	NI	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo[g,h,i]perylene	191-24-2	No Criteria	NS	AB	NI	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo[a]pyrene	50-32-8	Not Detectable	NS	AB	NI	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
1,1'-Biphenyl	92-52-4	5	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bis(2-Chloroethoxy)methane	111-91-1	5	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bis(2-Chloroethyl)ether	111-44-4	1	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bis(2-Ethylhexyl)phthalate	117-81-7	5	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Bromophenyl-phenylether	101-55-3	No Criteria	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Buytlbenzylphthalate	85-68-7	No Criteria	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Caprolactam	105-60-2	No Criteria	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbazole	86-74-8	No Criteria	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-chloro-3-Methylphenol	59-50-7	No Criteria	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Chloroaniline	106-47-8	5	NS	AB	NI	5.0 U	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U
2-Chloronaphthalene	91-58-7	No Criteria	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chlorophenol	95-57-8	No Criteria	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Chlorophenyl-phenylether	7005-72-3	No Criteria	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chrysene	218-01-9	No Criteria	NS	AB	NI	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Dibenz[a,h]anthracene	53-70-3	No Criteria	NS	AB	NI	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Dibenzofuran	132-64-9	No Criteria	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Diethylphthalate	84-66-2	No Criteria	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3,3'-Dichlorobenzidine	91-94-1	5	NS	AB	NI	5.0 U	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U
2,4-Dichlorophenol	120-83-2	1	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dimethylphenol	105-67-9	1	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dimethylphthalate	131-11-3	No Criteria	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Di-n-butylphthalate	84-74-2	50	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Di-n-octylphthalate	117-84-0	No Criteria	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrophenol	51-28-5	1	NS	AB	NI	10 U	10 UJ	10 U	10 UJ	10 U	10 U
4,6-Dinitro-2-methylphenol	534-52-1	No Criteria	NS	AB	NI	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	121-14-2	5	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dinitrotoluene	606-20-2	5	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Fluoranthene	206-44-0	No Criteria	NS	AB	NI	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Fluorene	86-73-7	No Criteria	NS	AB	NI	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Hexachlorobenzene	118-74-1	0.04	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Hexachlorobutadiene	87-68-3	0.5	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Hexachlorocyclopentadiene	77-47-4	5	NS	AB	NI	5.0 U	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U
Hexachloroethane	67-72-1	5	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Indeno[1,2,3-cd]pyrene	193-39-5	No Criteria	NS	AB	NI	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Isophorone	78-59-1	No Criteria	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Methylnaphthalene	91-57-6	No Criteria	NS	AB	NI	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
2-Methylphenol	95-48-7	No Criteria	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

Table 5 (cont'd)
Semivolatile Organic Compound Analytical Results
Post-Remedial Action Groundwater Monitoring Events
Ellenville Scrap Iron and Metal Superfund Site
Town of Wawarsing, Village of Ellenville, Ulster County, New York

		Well ID	EPA-03	EPA-03	EPA-03R	EPA-03R	EPA-03B	EPA-03B	EPA-04	EPA-04	EPA-04 (Dup)
		Sample ID	--	--	--	BA953	BA925	BA954	BA926	BA955	BA965
		Sample Date	May-12	Jul-12	May-12	07/31/12	05/02/12	07/31/12	05/03/12	07/30/12	07/30/12
		Unit	--	--	--	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Analyte	**CAS Number**	**NYSDEC Criteria**									
4-Methylphenol	106-44-5	No Criteria	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	91-20-3	No Criteria	NS	AB	NI	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Nitrobenzene	98-95-3	0.4	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Nitroaniline	88-74-4	5	NS	AB	NI	10 U	10 UJ	10 U	10 UJ	10 U	10 U
3-Nitroaniline	99-09-2	5	NS	AB	NI	10 U	10 UJ	10 U	10 UJ	10 U	10 U
4-Nitroaniline	100-01-6	5	NS	AB	NI	10 U	10 UJ	10 U	10 UJ	10 U	10 U
2-Nitrophenol	88-75-5	No Criteria	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Nitrophenol	100-02-7	No Criteria	NS	AB	NI	10 U	10 UJ	10 U	10 UJ	10 U	10 U
n-Nitroso-di-n-Propylamine	621-64-7	No Criteria	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
n-Nitrosodiphenylamine	86-30-6	No Criteria	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,2'-oxybis(1-Chloropropane)	108-60-1	5	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Pentachlorophenol	87-86-5	1	NS	AB	NI	0.20 R	0.20 R	0.20 R	0.20 R	0.20 R	0.20 R
Phenanthrene	85-01-8	50	NS	AB	NI	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Phenol	108-95-2	1	NS	AB	NI	5.0 U	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U
Pyrene	129-00-0	50	NS	AB	NI	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
1,2,4,5-Tetrachlorobenzene	95-94-3	5	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,3,4,6-Tetrachlorophenol	58-90-2	No Criteria	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	95-95-4	No Criteria	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	88-06-2	No Criteria	NS	AB	NI	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

Notes:
NYSDEC Criteria = New York State Department of Environmental Conservation Part 703:
Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations for Class GA Waters
AB = Well abandoned.
J = The identificationof the analyte is acceptable; the reported value is an estimate.
NA = Not analyzed; sample bottles broke during transit to laboratory.
NC = Not collected due to dry conditions at well location.
NI = Not installed.
NS = Not sampled due to suspected obstruction.
R = Rejected; data not useable.
U = The analyte was not detected at or above the reporting limit.

Table 5 (cont'd)
Semivolatile Organic Compound Analytical Results
Post-Remedial Action Groundwater Monitoring Events
Ellenville Scrap Iron and Metal Superfund Site
Town of Wawarsing, Village of Ellenville, Ulster County, New York

		Well ID	EPA-05	EPA-05	EPA-06	EPA-06	EPA-07	EPA-07	EPA-08	EPA-08	EPA-08B	EPA-08B
		Sample ID	BA927	BA956	BA928	BA957	BA929	BA958	BA930	--	BA931	BA960
		Sample Date	05/03/12	08/01/12	05/03/12	08/01/12	05/01/12	07/30/12	05/01/12	Jul-12	05/01/12	07/31/12
		Unit	ug/l	ug/l	ug/l	ug/l	--	ug/l	ug/l	--	ug/l	ug/l
Analyte	**CAS Number**	**NYSDEC Criteria**										
Acenaphthene	83-32-9	No Criteria	0.10 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	NC	0.10 U	0.10 U
Acenaphthylene	208-96-8	No Criteria	0.10 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	NC	0.10 U	0.10 U
Acetophenone	98-86-2	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
Anthracene	120-12-7	No Criteria	0.10 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	NC	0.10 U	0.10 U
Atrazine	1912-24-9	7.5	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
Benzaldehyde	100-52-7	No Criteria	5.0 UJ	5.0 U	5.0 UJ	5.0 U	NA	5.0 U	5.0 UJ	NC	5.0 UJ	5.0 U
Benzo[a]anthracene	56-55-3	No Criteria	0.10 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	NC	0.10 U	0.10 U
Benzo[b]fluoranthene	205-99-2	No Criteria	0.10 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	NC	0.10 U	0.10 U
Benzo[k]fluoranthene	207-08-9	No Criteria	0.10 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	NC	0.10 U	0.10 U
Benzo[g,h,i]perylene	191-24-2	No Criteria	0.10 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	NC	0.10 U	0.10 U
Benzo[a]pyrene	50-32-8	Not Detectable	0.10 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	NC	0.10 U	0.10 U
1,1'-Biphenyl	92-52-4	5	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
bis(2-Chloroethoxy)methane	111-91-1	5	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
bis(2-Chloroethyl)ether	111-44-4	1	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
bis(2-Ethylhexyl)phthalate	117-81-7	5	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
4-Bromophenyl-phenylether	101-55-3	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
Buytlbenzylphthalate	85-68-7	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
Caprolactam	105-60-2	No Criteria	5.0 U	0.48 J	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
Carbazole	86-74-8	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
4-chloro-3-Methylphenol	59-50-7	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
4-Chloroaniline	106-47-8	5	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 UJ	NC	5.0 U	5.0 U
2-Chloronaphthalene	91-58-7	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
2-Chlorophenol	95-57-8	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
4-Chlorophenyl-phenylether	7005-72-3	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
Chrysene	218-01-9	No Criteria	0.10 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	NC	0.10 U	0.10 U
Dibenz[a,h]anthracene	53-70-3	No Criteria	0.10 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	NC	0.10 U	0.10 U
Dibenzofuran	132-64-9	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
Diethylphthalate	84-66-2	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
3,3'-Dichlorobenzidine	91-94-1	5	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 UJ	NC	5.0 U	5.0 U
2,4-Dichlorophenol	120-83-2	1	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
2,4-Dimethylphenol	105-67-9	1	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
Dimethylphthalate	131-11-3	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
Di-n-butylphthalate	84-74-2	50	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
Di-n-octylphthalate	117-84-0	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
2,4-Dinitrophenol	51-28-5	1	10 UJ	10 U	10 UJ	10 U	NA	10 U	10 UJ	NC	10 UJ	10 U
4,6-Dinitro-2-methylphenol	534-52-1	No Criteria	10 U	10 U	10 U	10 U	NA	10 U	10 U	NC	10 U	10 U
2,4-Dinitrotoluene	121-14-2	5	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
2,6-Dinitrotoluene	606-20-2	5	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
Fluoranthene	206-44-0	No Criteria	0.10 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	NC	0.10 U	0.10 U
Fluorene	86-73-7	No Criteria	0.10 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	NC	0.10 U	0.10 U
Hexachlorobenzene	118-74-1	0.04	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
Hexachlorobutadiene	87-68-3	0.5	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
Hexachlorocyclopentadiene	77-47-4	5	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 UJ	NC	5.0 U	5.0 U
Hexachloroethane	67-72-1	5	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
Indeno[1,2,3-cd]pyrene	193-39-5	No Criteria	0.10 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	NC	0.10 U	0.10 U
Isophorone	78-59-1	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
2-Methylnaphthalene	91-57-6	No Criteria	0.10 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	NC	0.10 U	0.10 U
2-Methylphenol	95-48-7	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U

Table 5 (cont'd)
Semivolatile Organic Compound Analytical Results
Post-Remedial Action Groundwater Monitoring Events
Ellenville Scrap Iron and Metal Superfund Site
Town of Wawarsing, Village of Ellenville, Ulster County, New York

		Well ID	EPA-05	EPA-05	EPA-06	EPA-06	EPA-07	EPA-07	EPA-08	EPA-08	EPA-08B	EPA-08B
		Sample ID	BA927	BA956	BA928	BA957	BA929	BA958	BA930	--	BA931	BA960
		Sample Date	05/03/12	08/01/12	05/03/12	08/01/12	05/01/12	07/30/12	05/01/12	Jul-12	05/01/12	07/31/12
		Unit	ug/l	ug/l	ug/l	ug/l	--	ug/l	ug/l	--	ug/l	ug/l
Analyte	**CAS Number**	**NYSDEC Criteria**										
4-Methylphenol	106-44-5	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
Naphthalene	91-20-3	No Criteria	0.10 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	NC	0.10 U	0.10 U
Nitrobenzene	98-95-3	0.4	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
2-Nitroaniline	88-74-4	5	10 UJ	10 U	10 UJ	10 U	NA	10 U	10 UJ	NC	10 UJ	10 U
3-Nitroaniline	99-09-2	5	10 UJ	10 U	10 UJ	10 U	NA	10 U	10 UJ	NC	10 UJ	10 U
4-Nitroaniline	100-01-6	5	10 UJ	10 U	10 UJ	10 U	NA	10 U	10 UJ	NC	10 UJ	10 U
2-Nitrophenol	88-75-5	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
4-Nitrophenol	100-02-7	No Criteria	10 UJ	10 U	10 UJ	10 U	NA	10 U	10 UJ	NC	10 UJ	10 U
n-Nitroso-di-n-Propylamine	621-64-7	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
n-Nitrosodiphenylamine	86-30-6	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
2,2'-oxybis(1-Chloropropane)	108-60-1	5	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
Pentachlorophenol	87-86-5	1	0.20 R	0.20 U	0.20 R	0.20 U	NA	0.20 R	0.20 R	NC	0.20 R	0.20 U
Phenanthrene	85-01-8	50	0.10 U	0.10 U	0.07 J	0.10 U	NA	0.10 U	0.10 U	NC	0.10 U	0.10 U
Phenol	108-95-2	1	5.0 UJ	5.0 U	5.0 UJ	5.0 U	NA	5.0 U	5.0 UJ	NC	5.0 UJ	5.0 U
Pyrene	129-00-0	50	0.10 U	0.10 U	0.050 J	0.10 U	NA	0.10 U	0.10 U	NC	0.10 U	0.10 U
1,2,4,5-Tetrachlorobenzene	95-94-3	5	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
2,3,4,6-Tetrachlorophenol	58-90-2	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
2,4,5-Trichlorophenol	95-95-4	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U
2,4,6-Trichlorophenol	88-06-2	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	NA	5.0 U	5.0 U	NC	5.0 U	5.0 U

Notes:
NYSDEC Criteria = New York State Department of Environmental Conservation Part 703:
Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations for Class GA Waters
AB = Well abandoned.
J = The identificationof the analyte is acceptable; the reported value is an estimate.
NA = Not analyzed; sample bottles broke during transit to laboratory.
NC = Not collected due to dry conditions at well location.
NI = Not installed.
NS = Not sampled due to suspected obstruction.
R = Rejected; data not useable.
U = The analyte was not detected at or above the reporting limit.

Table 5 (cont'd)
Semivolatile Organic Compound Analytical Results
Post-Remedial Action Groundwater Monitoring Events
Ellenville Scrap Iron and Metal Superfund Site
Town of Wawarsing, Village of Ellenville, Ulster County, New York

		Well ID	EPA-09	EPA-09	EPA-10	EPA-10	EPA-10B	EPA-10B (Dup)	EPA-10B	EPA-11	EPA-11
		Sample ID	BA932	BA961	BA933	BA962	BA934	BA923	BA963	--	--
		Sample Date	05/02/12	07/30/12	05/02/12	08/01/12	05/02/12	05/02/12	07/31/12	May-12	Jul-12
		Unit	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	--	--
Analyte	**CAS Number**	**NYSDEC Criteria**									
Acenaphthene	83-32-9	No Criteria	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	NC	NC
Acenaphthylene	208-96-8	No Criteria	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	NC	NC
Acetophenone	98-86-2	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
Anthracene	120-12-7	No Criteria	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	NC	NC
Atrazine	1912-24-9	7.5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
Benzaldehyde	100-52-7	No Criteria	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 UJ	5.0 UJ	5.0 U	NC	NC
Benzo[a]anthracene	56-55-3	No Criteria	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	NC	NC
Benzo[b]fluoranthene	205-99-2	No Criteria	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	NC	NC
Benzo[k]fluoranthene	207-08-9	No Criteria	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	NC	NC
Benzo[g,h,i]perylene	191-24-2	No Criteria	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	NC	NC
Benzo[a]pyrene	50-32-8	Not Detectable	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	NC	NC
1,1'-Biphenyl	92-52-4	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
bis(2-Chloroethoxy)methane	111-91-1	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
bis(2-Chloroethyl)ether	111-44-4	1	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
bis(2-Ethylhexyl)phthalate	117-81-7	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
4-Bromophenyl-phenylether	101-55-3	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
Buytlbenzylphthalate	85-68-7	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
Caprolactam	105-60-2	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
Carbazole	86-74-8	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
4-chloro-3-Methylphenol	59-50-7	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
4-Chloroaniline	106-47-8	5	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
2-Chloronaphthalene	91-58-7	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
2-Chlorophenol	95-57-8	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
4-Chlorophenyl-phenylether	7005-72-3	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
Chrysene	218-01-9	No Criteria	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	NC	NC
Dibenz[a,h]anthracene	53-70-3	No Criteria	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	NC	NC
Dibenzofuran	132-64-9	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
Diethylphthalate	84-66-2	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
3,3'-Dichlorobenzidine	91-94-1	5	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
2,4-Dichlorophenol	120-83-2	1	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
2,4-Dimethylphenol	105-67-9	1	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
Dimethylphthalate	131-11-3	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
Di-n-butylphthalate	84-74-2	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
Di-n-octylphthalate	117-84-0	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
2,4-Dinitrophenol	51-28-5	1	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U	NC	NC
4,6-Dinitro-2-methylphenol	534-52-1	No Criteria	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NC	NC
2,4-Dinitrotoluene	121-14-2	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
2,6-Dinitrotoluene	606-20-2	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
Fluoranthene	206-44-0	No Criteria	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	NC	NC
Fluorene	86-73-7	No Criteria	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	NC	NC
Hexachlorobenzene	118-74-1	0.04	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
Hexachlorobutadiene	87-68-3	0.5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
Hexachlorocyclopentadiene	77-47-4	5	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
Hexachloroethane	67-72-1	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
Indeno[1,2,3-cd]pyrene	193-39-5	No Criteria	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	NC	NC
Isophorone	78-59-1	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
2-Methylnaphthalene	91-57-6	No Criteria	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	NC	NC
2-Methylphenol	95-48-7	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC

Table 5 (cont'd)
Semivolatile Organic Compound Analytical Results
Post-Remedial Action Groundwater Monitoring Events
Ellenville Scrap Iron and Metal Superfund Site
Town of Wawarsing, Village of Ellenville, Ulster County, New York

		Well ID	EPA-09	EPA-09	EPA-10	EPA-10	EPA-10B	EPA-10B (Dup)	EPA-10B	EPA-11	EPA-11
		Sample ID	BA932	BA961	BA933	BA962	BA934	BA923	BA963	--	--
		Sample Date	05/02/12	07/30/12	05/02/12	08/01/12	05/02/12	05/02/12	07/31/12	May-12	Jul-12
		Unit	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	--	--
Analyte	**CAS Number**	**NYSDEC Criteria**									
4-Methylphenol	106-44-5	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
Naphthalene	91-20-3	No Criteria	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	NC	NC
Nitrobenzene	98-95-3	0.4	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
2-Nitroaniline	88-74-4	5	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U	NC	NC
3-Nitroaniline	99-09-2	5	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U	NC	NC
4-Nitroaniline	100-01-6	5	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U	NC	NC
2-Nitrophenol	88-75-5	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
4-Nitrophenol	100-02-7	No Criteria	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U	NC	NC
n-Nitroso-di-n-Propylamine	621-64-7	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
n-Nitrosodiphenylamine	86-30-6	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
2,2'-oxybis(1-Chloropropane)	108-60-1	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
Pentachlorophenol	87-86-5	1	0.20 R	0.20 R	0.20 R	0.20 U	0.20 R	0.20 R	0.20 U	NC	NC
Phenanthrene	85-01-8	50	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	NC	NC
Phenol	108-95-2	1	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 UJ	5.0 UJ	5.0 U	NC	NC
Pyrene	129-00-0	50	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.06 J	0.10 U	NC	NC
1,2,4,5-Tetrachlorobenzene	95-94-3	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
2,3,4,6-Tetrachlorophenol	58-90-2	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
2,4,5-Trichlorophenol	95-95-4	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC
2,4,6-Trichlorophenol	88-06-2	No Criteria	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NC	NC

Notes:
NYSDEC Criteria = New York State Department of Environmental Conservation Part 703:
Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations for Class GA Waters
AB = Well abandoned.
J = The identificationof the analyte is acceptable; the reported value is an estimate.
NA = Not analyzed; sample bottles broke during transit to laboratory.
NC = Not collected due to dry conditions at well location.
NI = Not installed.
NS = Not sampled due to suspected obstruction.
R = Rejected; data not useable.
U = The analyte was not detected at or above the reporting limit.

Table 6
Pesticide/PCB Analytical Results
Post-Remedial Action Groundwater Monitoring Events Ellenville
Scrap Iron and Metal Superfund Site
Town of Wawarsing, Village of Ellenville, Ulster County, New York

		Well ID	EPA-03	EPA-03	EPA-03R	EPA-03R	EPA-03B	EPA-03B	EPA-04	EPA-04	EPA-04 (Dup)
		Sample ID	--	--	--	1208005-06	1205021-02	1208005-07	1205022-01	1208005-01	1208005-04
		Sample Date	May-12	Jul-12	May-12	07/31/12	05/02/12	07/31/12	05/03/12	07/30/12	07/30/12
		Unit	--	--	--	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Analyte	**CAS Number**	**NYSDEC Criteria**									
Aldrin	309-00-2	Not Detectable	NS	AB	NI	0.0026 UJ	0.003 UL	0.0024 U	0.003 UL	0.0028 UJ	0.0028 UJ
alpha-BHC	319-84-6	0.01	NS	AB	NI	0.0026 U	0.003 U	0.0024 U	0.003 UL	0.0028 U	0.0028 U
beta-BHC	319-85-7	0.04	NS	AB	NI	0.0026 U	0.003 U	0.0024 U	0.003 UL	0.0028 U	0.0028 U
delta-BHC	319-86-8	0.04	NS	AB	NI	0.0026 U	0.003 U	0.0024 U	0.003 UL	0.0028 U	0.0028 U
gamma-BHC (Lindane)	58-89-9	0.05	NS	AB	NI	0.0026 U	0.003 U	0.0024 U	0.003 UL	0.0028 U	0.0028 U
alpha-Chlordane	5103-71-9	0.05	NS	AB	NI	0.0026 U	0.003 U	0.0024 U	0.003 UL	0.0028 U	0.0028 U
gamma-Chlordane	5103-74-2		NS	AB	NI	0.0026 U	0.003 UJ	0.0024 U	0.003 UJ	0.0028 U	0.0028 U
4,4'-DDD	72-54-8	0.3	NS	AB	NI	0.0051 U	0.005 U	0.0048 U	0.005 UL	0.0056 U	0.0056 U
4,4'-DDE	72-55-9	0.2	NS	AB	NI	0.0051 U	0.005 U	0.0048 U	0.005 UL	0.0056 U	0.0056 U
4,4'-DDT	50-29-3	0.2	NS	AB	NI	0.0051 U	0.005 U	0.0048 U	0.005 UL	0.0056 U	0.0056 U
Dieldrin	60-57-1	0.004	NS	AB	NI	0.0051 U	0.005 U	0.0048 U	0.005 UL	0.0056 U	0.0056 U
Endosulfan I	959-98-8	No Criteria	NS	AB	NI	0.0026 U	0.003 U	0.0024 U	0.003 UL	0.0028 U	0.0028 U
Endosulfan II	33213-65-9	No Criteria	NS	AB	NI	0.0051 U	0.005 U	0.0048 U	0.005 UL	0.0056 U	0.0056 U
Endosulfan Sulfate	1031-07-8	No Criteria	NS	AB	NI	0.0051 U	0.005 U	0.0048 U	0.005 UL	0.0056 U	0.0056 U
Endrin	72-20-8	Not Detectable	NS	AB	NI	0.0051 U	0.005 U	0.0048 U	0.005 UL	0.0056 U	0.0056 U
Endrin Aldehyde	7421-93-4	5	NS	AB	NI	0.0051 U	0.005 U	0.0048 U	0.005 UL	0.0056 U	0.0056 U
Endrin Ketone	53494-70-5	5	NS	AB	NI	0.0051 U	0.005 UJ	0.0048 U	0.005 UJ	0.0056 U	0.0056 U
Heptachlor	76-44-8	0.04	NS	AB	NI	0.0026 U	0.003 U	0.0024 U	0.003 UL	0.0028 U	0.0028 U
Heptachlor Epoxide	1024-57-3	0.03	NS	AB	NI	0.0026 U	0.003 UJ	0.0024 U	0.003 UJ	0.0028 U	0.0028 U
Methoxychlor	72-43-5	35	NS	AB	NI	0.051 U	0.03 U	0.048 U	0.03 UL	0.056 U	0.056 U
Toxaphene	8001-35-2	0.06	NS	AB	NI	0.19 U	0.19 U	0.18 U	0.20 UL	0.21 U	0.21 U
Aroclor-1016	12674-11-2	0.09	NS	AB	NI	0.032 U	0.03 U	0.030 U	0.03 UL	0.035 U	0.035 U
Aroclor-1221	11104-28-2		NS	AB	NI	0.064 U	0.06 U	0.060 U	0.07 UL	0.070 U	0.070 U
Aroclor-1232	11141-16-5		NS	AB	NI	0.032 U	0.03 U	0.030 U	0.03 UL	0.035 U	0.035 U
Aroclor-1242	53469-21-9		NS	AB	NI	0.032 U	0.06 UL	0.030 U	0.07 UL	0.035 U	0.035 U
Aroclor-1248	12672-29-6		NS	AB	NI	0.032 U	0.03 U	0.030 U	0.03 UL	0.035 U	0.035 U
Aroclor-1254	11097-69-1		NS	AB	NI	0.032 U	0.03 U	0.030 U	0.03 UL	0.035 U	0.035 U
Aroclor-1260	11096-82-5		NS	AB	NI	0.032 U	0.03 U	0.030 U	0.03 UL	0.035 U	0.035 U
Aroclor-1262	37324-23-5		NS	AB	NI	0.032 U	0.03 U	0.030 U	0.03 UL	0.035 U	0.035 U
Aroclor 1268	11100-14-4		NS	AB	NI	0.032 U	0.03 U	0.030 U	0.03 UL	0.035 U	0.035 U

Notes:
NYSDEC Criteria = New York State Department of Environmental Conservation Part 703:
Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations for Class GA Waters
AB = Well abandoned.
J = The Identificationof the analyte is acceptable; the reported value is an estimate.
L = The identificationof the analyte is acceptable; the reported value may be biased low.
NC = Not collected due to dry conditions at well location.
NI = Not installed.
NS = Not sampled due to suspected obstruction.
U = The analyte was not detected at or above the reporting limit.

Table 6 (cont'd)
Pesticide/PCB Analytical Results
Post-Remedial Action Groundwater Monitoring Events
Ellenville Scrap Iron and Metal Superfund Site
Town of Wawarsing, Village of Ellenville, Ulster County, New York

		Well ID	EPA-05	EPA-05	EPA-06	EPA-06	EPA-07	EPA-07	EPA-08	EPA-08	EPA-08B	EPA-08B
		Sample ID	1205022-02	1208010-05	1205022-03	1208010-01	1205021-03	1208005-02	1205021-04	--	1205021-05	1208010-09
		Sample Date	05/03/12	08/01/12	05/03/12	08/01/12	05/01/12	07/30/12	05/01/12	Jul-12	05/01/12	07/31/12
		Unit	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	--	ug/l	ug/l
Analyte	**CAS Number**	**NYSDEC Criteria**										
Aldrin	309-00-2	Not Detectable	0.003 U	0.0024 U	0.002 U	0.0027 U	0.003 U	0.0027 UJ	0.002 U	NC	0.002 UL	0.0026 U
alpha-BHC	319-84-6	0.01	0.003 U	0.0024 U	0.002 U	0.0027 U	0.003 U	0.0027 U	0.002 U	NC	0.002 UL	0.0026 U
beta-BHC	319-85-7	0.04	0.003 U	0.0024 U	0.002 U	0.0027 U	0.003 U	0.0027 U	0.002 U	NC	0.002 UL	0.0026 U
delta-BHC	319-86-8	0.04	0.003 U	0.0024 U	0.002 U	0.0027 U	0.003 U	0.0027 U	0.002 U	NC	0.002 UL	0.0026 U
gamma-BHC (Lindane)	58-89-9	0.05	0.003 U	0.0024 U	0.002 U	0.0027 U	0.003 U	0.0027 U	0.002 U	NC	0.002 UL	0.0026 U
alpha-Chlordane	5103-71-9	0.05	0.003 U	0.0024 U	0.002 U	0.0027 U	0.003 U	0.0027 U	0.002 U	NC	0.002 UL	0.0026 U
gamma-Chlordane	5103-74-2		0.003 UJ	0.0024 U	0.002 UJ	0.0027 U	0.003 UJ	0.0027 U	0.002 UJ	NC	0.002 UJ	0.0026 U
4,4'-DDD	72-54-8	0.3	0.005 U	0.0047 U	0.005 U	0.0054 U	0.005 U	0.0053 U	0.005 U	NC	0.005 UL	0.0052 U
4,4'-DDE	72-55-9	0.2	0.005 U	0.0047 U	0.005 U	0.0054 U	0.005 U	0.0053 U	0.005 U	NC	0.005 UL	0.0052 U
4,4'-DDT	50-29-3	0.2	0.005 U	0.0047 U	0.005 U	0.0054 U	0.005 U	0.0053 U	0.005 U	NC	0.005 UL	0.0052 U
Dieldrin	60-57-1	0.004	0.005 U	0.0047 U	0.005 U	0.0054 U	0.005 U	0.0053 U	0.005 U	NC	0.005 UL	0.0052 U
Endosulfan I	959-98-8	No Criteria	0.003 U	0.0024 U	0.002 U	0.0027 U	0.003 U	0.0027 U	0.002 U	NC	0.002 UL	0.0026 U
Endosulfan II	33213-65-9	No Criteria	0.005 U	0.0047 U	0.005 U	0.0054 U	0.005 U	0.0053 U	0.005 U	NC	0.005 UL	0.0052 U
Endosulfan Sulfate	1031-07-8	No Criteria	0.005 U	0.0047 U	0.005 U	0.0054 U	0.005 U	0.0053 U	0.005 U	NC	0.005 UL	0.0052 U
Endrin	72-20-8	Not Detectable	0.005 U	0.0047 U	0.005 U	0.0054 U	0.005 U	0.0053 U	0.005 U	NC	0.005 UL	0.0052 U
Endrin Aldehyde	7421-93-4	5	0.005 U	0.0047 U	0.005 U	0.0054 U	0.005 U	0.0053 U	0.005 U	NC	0.005 UL	0.0052 U
Endrin Ketone	53494-70-5	5	0.005 UJ	0.0047 U	0.005 UJ	0.0054 U	0.005 UJ	0.0053 U	0.005 UJ	NC	0.005 UJ	0.0052 U
Heptachlor	76-44-8	0.04	0.003 U	0.0024 U	0.002 U	0.0027 U	0.003 U	0.0027 U	0.002 U	NC	0.002 UL	0.0026 U
Heptachlor Epoxide	1024-57-3	0.03	0.003 UJ	0.0024 U	0.002 UJ	0.0027 U	0.003 UJ	0.0027 U	0.002 UJ	NC	0.002 UJ	0.0026 U
Methoxychlor	72-43-5	35	0.03 U	0.047 U	0.02 U	0.054 U	0.03 U	0.053 U	0.02 U	NC	0.02 UL	0.052 U
Toxaphene	8001-35-2	0.06	0.20 U	0.18 U	0.19 U	0.20 U	0.19 U	0.20 U	0.18 U	NC	0.18 UL	0.20 U
Aroclor-1016	12674-11-2		0.03 U	0.029 U	0.03 U	0.034 U	0.03 U	0.033 U	0.03 U	NC	0.03 UL	0.033 U
Aroclor-1221	11104-28-2		0.07 U	0.059 U	0.06 U	0.067 U	0.06 U	0.066 U	0.06 U	NC	0.06 UL	0.065 U
Aroclor-1232	11141-16-5		0.03 U	0.029 U	0.03 U	0.034 U	0.03 U	0.033 U	0.03 U	NC	0.03 UL	0.033 U
Aroclor-1242	53469-21-9		0.07 U	0.029 U	0.06 U	0.034 U	0.06 U	0.033 U	0.06 U	NC	0.06 UL	0.033 U
Aroclor-1248	12672-29-6	0.09	0.03 U	0.029 U	0.03 U	0.034 U	0.03 U	0.033 U	0.03 U	NC	0.03 UL	0.033 U
Aroclor-1254	11097-69-1		0.03 U	0.029 U	0.03 U	0.034 U	0.03 U	0.033 U	0.03 U	NC	0.03 UL	0.033 U
Aroclor-1260	11096-82-5		0.03 U	0.029 U	0.03 U	0.034 U	0.03 U	0.033 U	0.03 U	NC	0.03 UL	0.033 U
Aroclor-1262	37324-23-5		0.03 U	0.029 U	0.03 U	0.034 U	0.03 U	0.033 U	0.03 U	NC	0.03 UL	0.033 U
Aroclor 1268	11100-14-4		0.03 U	0.029 U	0.03 U	0.034 U	0.03 U	0.033 U	0.03 U	NC	0.03 UL	0.033 U

Notes:
NYSDEC Criteria = New York State Department of Environmental Conservation Part 703:
Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations for Class GA Waters
AB = Well abandoned.
J = The Identificationof the analyte is acceptable; the reported value is an estimate.
L = The identificationof the analyte is acceptable; the reported value may be biased low.
NC = Not collected due to dry conditions at well location.
NI = Not installed.
NS = Not sampled due to suspected obstruction.
U = The analyte was not detected at or above the reporting limit.

Table 6 (cont'd)
Pesticide/PCB Analytical Results
Post-Remedial Action Groundwater Monitoring Events
Ellenville Scrap Iron and Metal Superfund Site
Town of Wawarsing, Village of Ellenville, Ulster County, New York

		Well ID	EPA-09	EPA-09	EPA-10	EPA-10	EPA-10B	EPA-10B (Dup)	EPA-10B	EPA-11	EPA-11
		Sample ID	1205021-06	1208005-03	1205021-07	1208010-06	1205021-08	1205021-01	1208010-08	--	--
		Sample Date	05/02/12	07/30/12	05/02/12	08/01/12	05/02/12	05/02/12	07/31/12	May-12	Jul-12
		Unit	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	--	--
Analyte	**CAS Number**	**NYSDEC Criteria**									
Aldrin	309-00-2	Not Detectable	0.002 U	0.0027 UJ	0.003 UL	0.0025 U	0.006 U	0.003 U	0.0024 U	NC	NC
alpha-BHC	319-84-6	0.01	0.002 U	0.0027 U	0.003 UL	0.0025 U	0.006 U	0.003 U	0.0024 U	NC	NC
beta-BHC	319-85-7	0.04	0.002 U	0.0027 U	0.003 UL	0.0025 U	0.006 U	0.003 U	0.0024 U	NC	NC
delta-BHC	319-86-8	0.04	0.002 U	0.0027 U	0.003 UL	0.0025 U	0.006 U	0.003 U	0.0024 U	NC	NC
gamma-BHC (Lindane)	58-89-9	0.05	0.002 U	0.0027 U	0.003 UL	0.0025 U	0.006 U	0.003 U	0.0024 U	NC	NC
alpha-Chlordane	5103-71-9	0.05	0.002 U	0.0027 U	0.003 UL	0.0025 U	0.006 U	0.003 U	0.0024 U	NC	NC
gamma-Chlordane	5103-74-2		0.002 UJ	0.0027 U	0.003 UJ	0.0025 U	0.006 UJ	0.003 UJ	0.0024 U	NC	NC
4,4'-DDD	72-54-8	0.3	0.005 U	0.0054 U	0.005 UL	0.0050 U	0.01 U	0.005 U	0.0047 U	NC	NC
4,4'-DDE	72-55-9	0.2	0.005 U	0.0054 U	0.005 UL	0.0050 U	0.01 U	0.005 U	0.0047 U	NC	NC
4,4'-DDT	50-29-3	0.2	0.005 U	0.0054 U	0.005 UL	0.0050 U	0.01 U	0.005 U	0.0047 U	NC	NC
Dieldrin	60-57-1	0.004	0.005 U	0.0054 U	0.005 UL	0.0050 U	0.01 U	0.005 U	0.0047 U	NC	NC
Endosulfan I	959-98-8	No Criteria	0.002 U	0.0027 U	0.003 UL	0.0025 U	0.006 U	0.003 U	0.0024 U	NC	NC
Endosulfan II	33213-65-9	No Criteria	0.005 U	0.0054 U	0.005 UL	0.0050 U	0.01 U	0.005 U	0.0047 U	NC	NC
Endosulfan Sulfate	1031-07-8	No Criteria	0.005 U	0.0054 U	0.005 UL	0.0050 U	0.01 U	0.005 U	0.0047 U	NC	NC
Endrin	72-20-8	Not Detectable	0.005 U	0.0054 U	0.005 UL	0.0050 U	0.01 U	0.005 U	0.0047 U	NC	NC
Endrin Aldehyde	7421-93-4	5	0.005 U	0.0054 U	0.005 UL	0.0050 U	0.01 U	0.005 U	0.0047 U	NC	NC
Endrin Ketone	53494-70-5	5	0.005 UJ	0.0054 U	0.005 UJ	0.0050 U	0.01 UJ	0.005 UJ	0.0047 U	NC	NC
Heptachlor	76-44-8	0.04	0.002 U	0.0027 U	0.003 UL	0.0025 U	0.006 U	0.003 U	0.0024 U	NC	NC
Heptachlor Epoxide	1024-57-3	0.03	0.002 UJ	0.0027 U	0.003 UJ	0.0025 U	0.006 UJ	0.003 UJ	0.0024 U	NC	NC
Methoxychlor	72-43-5	35	0.02 U	0.054 U	0.03 UL	0.050 U	0.06 U	0.03 U	0.047 U	NC	NC
Toxaphene	8001-35-2	0.06	0.18 U	0.20 U	0.20 UL	0.19 U	0.45 U	0.19 U	0.18 U	NC	NC
Aroclor-1016	12674-11-2	0.09	0.03 U	0.034 U	0.03 UL	0.031 U	0.07 U	0.03 U	0.029 U	NC	NC
Aroclor-1221	11104-28-2		0.06 U	0.067 U	0.07 UL	0.062 U	0.15 U	0.06 U	0.059 U	NC	NC
Aroclor-1232	11141-16-5		0.03 U	0.034 U	0.03 UL	0.031 U	0.07 U	0.03 U	0.029 U	NC	NC
Aroclor-1242	53469-21-9		0.06 U	0.034 U	0.07 UL	0.031 U	0.15 U	0.06 U	0.029 U	NC	NC
Aroclor-1248	12672-29-6		0.03 U	0.034 U	0.03 UL	0.031 U	0.07 U	0.03 U	0.029 U	NC	NC
Aroclor-1254	11097-69-1		0.03 U	0.034 U	0.03 UL	0.031 U	0.07 U	0.03 U	0.029 U	NC	NC
Aroclor-1260	11096-82-5		0.03 U	0.034 U	0.03 UL	0.031 U	0.07 U	0.03 U	0.029 U	NC	NC
Aroclor-1262	37324-23-5		0.03 U	0.034 U	0.03 UL	0.031 U	0.07 U	0.03 U	0.029 U	NC	NC
Aroclor 1268	11100-14-4		0.03 U	0.034 U	0.03 UL	0.031 U	0.07 U	0.03 U	0.029 U	NC	NC

Notes:
NYSDEC Criteria = New York State Department of Environmental Conservation Part 703:
Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations for Class GA Waters
AB = Well abandoned.
J = The Identificationof the analyte is acceptable; the reported value is an estimate.
L = The identificationof the analyte is acceptable; the reported value may be biased low.
NC = Not collected due to dry conditions at well location.
NI = Not installed.
NS = Not sampled due to suspected obstruction.
U = The analyte was not detected at or above the reporting limit.

Table 7
Metals/Cyanide Analytical Results
Post-Remedial Action Groundwater Monitoring Events Ellenville
Scrap Iron and Metal Superfund Site
Town of Wawarsing, Village of Ellenville, Ulster County, New York

		Well ID	EPA-03	EPA-03	EPA-03R	EPA-03R	EPA-03B	EPA-03B	EPA-04	EPA-04	EPA-04 (Dup)
		Sample ID	--	--	--	1208005-06	1205021-02	1208005-07	1205022-01	1208005-01	1208005-04
		Sample Date	May-12	Jul-12	May-12	07/31/12	05/02/12	07/31/12	05/03/12	07/30/12	07/30/12
		Unit	--	--	--	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Analyte	**CAS Number**	**NYSDEC Criteria**									
Aluminum	7429-90-5	No Criteria	NS	AB	NI	100	1100	1400	170	54	110
Antimony	7440-36-0	3	NS	AB	NI	1.0 U	20 UJ	1.0 U	20 U	1.0 U	1.0 U
Arsenic	7440-38-2	25	NS	AB	NI	1.0 U	8.0 U	5.2	8.0 U	1.2	1.2
Barium	7440-39-3	1000	NS	AB	NI	49	100 U	86	100 U	61	60
Beryllium	7440-41-7	No Criteria	NS	AB	NI	1.0 U	3.0 U	1.0 U	3.0 U	1.0 U	1.0 U
Cadmium	7440-43-9	5	NS	AB	NI	1.0 U	3.0 U	1.0 U	3.0 U	1.0 U	1.0 U
Calcium	7440-70-2	No Criteria	NS	AB	NI	78000	53000	59000	35000	38000	38000
Chromium	7440-47-3	50	NS	AB	NI	2.0 U	26	2.9	28	2.0 U	2.0 U
Cobalt	7440-48-4	No Criteria	NS	AB	NI	1.0 U	20 U	1.7	20 U	1.0 U	1.0 U
Copper	7440-50-8	200	NS	AB	NI	1.2	10 U	2.8	10 U	1.0 U	1.0 U
Iron	7439-89-6	300	NS	AB	NI	**440**	**10000**	**8800**	**590**	**370**	**490**
Lead	7439-92-1	25	NS	AB	NI	1.0 U	8.0 U	1.4	8.0 U	1.0 U	1.0 U
Magnesium	7439-95-4	No Criteria	NS	AB	NI	11000	13000	14000	5100	5100	5100
Manganese	7439-96-5	300	NS	AB	NI	260	**710**	**710**	280	**330**	**350**
Mercury	7439-97-6	0.7	NS	AB	NI	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nickel	7440-02-0	100	NS	AB	NI	3.1	21	3.5	23	1.0 U	1.0 U
Potassium	7440-09-7	No Criteria	NS	AB	NI	4100	1000	1300	2300	2400	2400
Selenium	7782-49-2	10	NS	AB	NI	1.0 U	20 U	1.0 U	20 U	1.0 U	1.0 U
Silver	7440-22-4	50	NS	AB	NI	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U
Sodium	7440-23-5	20000	NS	AB	NI	**30000**	**21000**	**24000**	17000	16000	16000
Thallium	7440-28-0	No Criteria	NS	AB	NI	1.0 U	20 U	1.0 U	20 U	1.0 U	1.0 U
Vanadium	7440-62-2	No Criteria	NS	AB	NI	1.0 U	20 U	2.2	20 U	1.0 U	1.0 U
Zinc	7440-66-6	No Criteria	NS	AB	NI	6.4	20 U	8.7	20 U	3.0	4.4
Cyanide (total)	57-12-5	200	NS	AB	NI	10 U	10 U	10 U	10 U	10 U	10 U

Notes:

Denotes exceedance of standard

NYSDEC Criteria = New York State Department of Environmental Conservation Part 703:
Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations for Class GA Waters

AB = Well abandoned.

J = The Identificationof the analyte is acceptable; the reported value is an estimate.

K = The identification of the analyte is acceptable; the reported value may be biased high.

NC = Not collected due to dry conditions at well location.

NI = Not installed.

NS = Not sampled due to suspected obstruction.

U = The analyte was not detected at or above the reporting limit.

Table 7 (cont'd)
Metals/Cyanide Analytical Results
Post-Remedial Action Groundwater Monitoring Events
Ellenville Scrap Iron and Metal Superfund Site
Town of Wawarsing, Village of Ellenville, Ulster County, New York

		Well ID	EPA-05	EPA-05	EPA-06	EPA-06	EPA-06 (Diss.)	EPA-07	EPA-07	EPA-08	EPA-08	EPA-08B	EPA-08B
		Sample ID	1205022-02	1208010-05	1205022-03	1208010-01	1208010-02	1205021-03	1208005-02	1205021-04	--	1205021-05	1208010-09
		Sample Date	05/03/12	08/01/12	05/03/12	08/01/12	08/01/12	05/01/12	07/30/12	05/01/12	Jul-12	05/01/12	07/31/12
		Unit	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	--	ug/l	ug/l
Analyte	**CAS Number**	**NYSDEC Criteria**											
Aluminum	7429-90-5	No Criteria	150	30 U	35000	240	30 U	230	44	100 U	NC	870	400
Antimony	7440-36-0	3	20 U	1.0 U	20 U	1.0 U	1.0 U	20 U	1.0 U	20 U	NC	20 U	1.0 U
Arsenic	7440-38-2	25	8.0 U	1.7	**240**	3.2	2.7	8.0 U	1.0 U	8.0 U	NC	8.0 U	1.0 U
Barium	7440-39-3	1000	170	140	790	99	88	100 U	6.6	100 U	NC	100 U	68
Beryllium	7440-41-7	No Criteria	3.0 U	1.0 U	3.0 U	1.0 U	1.0 U	3.0 U	1.0 U	3.0 U	NC	3.0 U	1.0 U
Cadmium	7440-43-9	5	3.0 U	1.0 U	3.0 U	1.0 U	1.0 U	3.0 U	1.0 U	3.0 U	NC	3.0 U	1.0 U
Calcium	7440-70-2	No Criteria	47000	42000	23000	16000	17000	5900	5100	14000	NC	24000	20000
Chromium	7440-47-3	50	37	2.0 U	**90**	2.0 U	2.0 U	18	2.0 U	21	NC	41	2.0 U
Cobalt	7440-48-4	No Criteria	20 U	1.0 U	31	1.2	1.0 U	20 U	1.0 U	20 U	NC	20 U	1.0 U
Copper	7440-50-8	200	10 U	1.0 U	160	7.9	1.0 U	10 U	1.0 U	10 U	NC	10 U	2.8
Iron	7439-89-6	300	**7200**	**2800**	**160000**	**1900**	**1200**	**360**	56	89	NC	**4300**	**1300**
Lead	7439-92-1	25	8.0 U	1.0 U	**120**	5.4	1.0 U	8.0 U	1.0 U	8.0 U	NC	8.0 U	1.0 U
Magnesium	7439-95-4	No Criteria	14000	12000	14000	3700	3800	1700	1400	2400	NC	8900	4400
Manganese	7439-96-5	300	**1300**	**700**	**1900**	**390**	**370**	17	17	5.1	NC	**730**	**400**
Mercury	7439-97-6	0.7	0.20 U	1.0 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NC	0.20 U	0.20 U
Nickel	7440-02-0	100	29	1.0 U	100	1.8	1.1	20 U	1.0 U	20 U	NC	33	1.0 U
Potassium	7440-09-7	No Criteria	500 U	500 U	6400	610	590	500 U	500 U	950	NC	810	540
Selenium	7782-49-2	10	20 U	1.0 U	20 U	1.0 U	1.0 U	20 U	1.0 U	20 U	NC	20 U	1.0 U
Silver	7440-22-4	50	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	5.0 U	1.0 U	5.0 U	NC	5.0 U	1.0 U
Sodium	7440-23-5	20000	9800	8600	8000	8700	9300	18000	18000	**54000**	NC	**25000**	**42000**
Thallium	7440-28-0	No Criteria	20 U	1.0 U	20 U	1.0 U	1.0 U	20 U	1.0 U	20 U	NC	20 U	1.0 U
Vanadium	7440-62-2	No Criteria	20 U	1.0 U	55	1.0 U	1.0 U	20 U	1.0 U	20 U	NC	20 U	1.0 U
Zinc	7440-66-6	No Criteria	20 U	2.0 U	250	5.3	3.1	20 U	2.0 U	20 U	NC	21	5.8 K
Cyanide (total)	57-12-5	200	10 U	10 U	10 U	10 U	Not Analyzed	10 U	10 U	10 U	NC	10 U	10 U

Notes:
Denotes exceedance of standard
NYSDEC Criteria = New York State Department of Environmental Conservation Part 703:
Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations for Class GA Waters
AB = Well abandoned.
J = The Identificationof the analyte is acceptable; the reported value is an estimate.

NC = Not collected due to dry conditions at well location.
NI = Not installed.
NS = Not sampled due to suspected obstruction.
U = The analyte was not detected at or above the reporting limit.

Table 7 (cont'd)
Metals/Cyanide Analytical Results
Post-Remedial Action Groundwater Monitoring Events
Ellenville Scrap Iron and Metal Superfund Site
Town of Wawarsing, Village of Ellenville, Ulster County, New York

		Well ID	EPA-09	EPA-09	EPA-10	EPA-10	EPA-10 (Diss.)	EPA-10B	EPA-10B (Dup)	EPA-10B	EPA-11	EPA-11
		Sample ID	1205021-06	1208005-03	1205021-07	1208010-06	1208010-07	1205021-08	1205021-01	1208010-08	--	--
		Sample Date	05/02/12	07/30/12	05/02/12	08/01/12	08/01/12	05/02/12	05/02/12	07/31/12	May-12	Jul-12
		Unit	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	--	--
Analyte	**CAS Number**	**NYSDEC Criteria**										
Aluminum	7429-90-5	No Criteria	5900	30 U	54000	860	30 U	600	760	34	NC	NC
Antimony	7440-36-0	3	20 U	1.0 U	20 U	1.0 U	1.0 U	20 U	20 U	1.0 U	NC	NC
Arsenic	7440-38-2	25	8.0 U	1.0 U	**32**	3.7	3.4	8.0 U	8.0 U	1.0 U	NC	NC
Barium	7440-39-3	1000	100 U	34	400	120	120	260	280	250	NC	NC
Beryllium	7440-41-7	No Criteria	3.0 U	1.0 U	3.0 U	1.0 U	1.0 U	3.0 U	3.0 U	1.0 U	NC	NC
Cadmium	7440-43-9	5	3.0 U	1.0 U	3.0 U	1.0 U	1.0 U	3.0 U	3.0 U	1.0 U	NC	NC
Calcium	7440-70-2	No Criteria	15000	14000	130000	110000	110000	32000	33000	28000	NC	NC
Chromium	7440-47-3	50	30	2.0 U	**170**	2.8	2.0 U	24	25	2.0 U	NC	NC
Cobalt	7440-48-4	No Criteria	20 U	1.0 U	55	1.2	1.0 U	20 U	20 U	1.0 U	NC	NC
Copper	7440-50-8	200	10 U	1.0 U	110	2.1	1.0 U	10 U	10 U	1.3	NC	NC
Iron	7439-89-6	300	**11000**	50 U	**140000**	**25000**	**22000**	**1900**	**2000**	**830**	NC	NC
Lead	7439-92-1	25	8.0 U	1.0 U	**82**	1.7	1.0 U	8.0 U	8.0 U	1.0 U	NC	NC
Magnesium	7439-95-4	No Criteria	4700	2700	43000	22000	21000	7700	8300	7800	NC	NC
Manganese	7439-96-5	300	**670**	36	**5600**	**2400**	**2200**	**320**	**320**	**310**	NC	NC
Mercury	7439-97-6	0.7	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NC	NC
Nickel	7440-02-0	100	28	1.0 U	**160**	3.6	1.2	20 U	20 U	1.0 U	NC	NC
Potassium	7440-09-7	No Criteria	1700	550	9100	3500	3300	1500	930	760	NC	NC
Selenium	7782-49-2	10	20 U	1.0 U	20 U	1.0 U	1.0 U	20 U	20 U	1.0 U	NC	NC
Silver	7440-22-4	50	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	NC	NC
Sodium	7440-23-5	20000	13000	11000	**46000**	**41000**	**41000**	19000	17000	15000	NC	NC
Thallium	7440-28-0	No Criteria	20 U	1.0 U	20 U	1.0 U	1.0 U	20 U	20 U	1.0 U	NC	NC
Vanadium	7440-62-2	No Criteria	20 U	1.0 U	68	1.4	1.0 U	20 U	20 U	1.0 U	NC	NC
Zinc	7440-66-6	No Criteria	30	2.0 U	310	6.3	2.0 U	20 U	20 U	3.3	NC	NC
Cyanide (total)	57-12-5	200	10 U	10 U	10 U	10 U	Not Analyzed	10 U	10 U	10 U	NC	NC

Notes:

Denotes exceedance of standard

NYSDEC Criteria = New York State Department of Environmental Conservation Part 703:
Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations for Class GA Waters
AB = Well abandoned.
J = The Identificationof the analyte is acceptable; the reported value is an estimate.

NC = Not collected due to dry conditions at well location.
NI = Not installed.
NS = Not sampled due to suspected obstruction.
U = The analyte was not detected at or above the reporting limit.

Table 8
New York State Department of Environmental Conservation
Ellenville Scrap Iron and Metal Superfund Site
Town of Wawarsing, Village of Ellenville,
Ulster County, New York
Summary of GW and SW Volatile Organic Compound Results

	CLIENT ID:	ESY-EPA-03B		ESY-EPA-08B		ESY-EPA-09		ESY-EPA-10		ESY-EPA-10B		ESY-SW	
	LAB ID:	R1610391-005		R1610391-001		R1610391-002		R1610391-003		R1610391-004		R1610391-006	
	COLLECTION DATE:	9/30/2016		9/29/2016		9/30/2016		9/30/2016		9/30/2016		9/30/2016	
	SAMPLE MATRIX:	GW		GW		GW		GW		GW		SW	
	UNITS:	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
PARAMETERS	**Class GA Value***	Result		Result		Result		Result		Result		Result	
1,1,1-Trichloroethane	5	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2,2-Tetrachloroethane	5	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2-Trichloroethane	1	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2-Trichloro- 1,2,2-trifluoroethane (Freon 113)	5	1	U	1	U	1	U	1	U	1	U	1	U
1,1-Dichloroethane	5	1	U	1	U	1	U	1	U	1	U	1	U
1,1-Dichloroethylene	5	1	U	1	U	1	U	1	U	1	U	1	U
1,2,3-Trichlorobenzene	5	1	U	1	U	1	U	1	U	1	U	1	U
1,2,4-Trichlorobenzene	5	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dibromo-3-chloropropane (DBCP)	0.04	2	U	2	U	2	U	2	U	2	U	2	U
1,2-Dibromoethane (EDB)	0.0006	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichlorobenzene	3	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichloroethane	0.6	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichloropropane	1	1	U	1	U	1	U	1	U	1	U	1	U
1,3-Dichlorobenzene	3	1	U	1	U	1	U	1	U	1	U	1	U
1,4-Dichlorobenzene	3	1	U	1	U	1	U	1	U	1	U	1	U
1,4-Dioxane	NS		R		R		R		R		R		R
2-Butanone (MEK)	50	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ
2-Hexanone (MBK)	50	5	U	5	U	5	U	5	U	5	U	5	U
4-Methyl-2-pentanone (MIBK)	NS	5	U	5	U	5	U	5	U	5	U	5	U
Acetone	50	5	U	5	U	5	U	5	U	5	U	5	U
Benzene	1	1	U	1	U	1	U	1	U	1	U	1	U
Bromochloromethane	5	1	U	1	U	1	U	1	U	1	U	1	U
Bromodichloromethane	50	1	U	1	U	1	U	1	U	1	U	1	U
Bromoform	50	1	U	1	U	1	U	1	U	1	U	1	U
Bromomethane	5	1	U	1	U	1	U	1	U	1	U	1	U
Carbon Disulfide	60	1	U	1	U	1	U	**0.26**	**J**	1	U	1	U
Carbon Tetrachloride	5	1	U	1	U	1	U	1	U	1	U	1	U
Chlorobenzene	5	1	U	1	U	1	U	1	U	1	U	1	U
Chloroethane	5	1	U	1	U	1	U	1	U	1	U	1	U
Chloroform	7	1	U	1	U	1	U	1	U	1	U	1	U
Chloromethane	5	1	U	1	U	1	U	1	U	1	U	1	U

TRC
Results you can rely on

Table 8 (cont'd)
New York State Department of Environmental Conservation
Ellenville Scrap Iron and Metal Superfund Site
Town of Wawarsing, Village of Ellenville,
Ulster County, New York
Summary of GW and SW Volatile Organic Compound Results

	CLIENT ID:	ESY-EPA-03B		ESY-EPA-08B		ESY-EPA-09		ESY-EPA-10		ESY-EPA-10B		ESY-SW	
	LAB ID:	R1610391-005		R1610391-001		R1610391-002		R1610391-003		R1610391-004		R1610391-006	
	COLLECTION DATE:	9/30/2016		9/29/2016		9/30/2016		9/30/2016		9/30/2016		9/30/2016	
	SAMPLE MATRIX:	GW		GW		GW		GW		GW		SW	
	UNITS:	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
PARAMETERS	**Class GA Value***	Result		Result		Result		Result		Result		Result	
Cyclohexane	NS	1	U	1	U	1	U	1	U	1	U	1	U
Chlorodibromomethane	50	1	U	1	U	1	U	1	U	1	U	1	U
Dichlorodifluoromethane (Freon 12)	5	1	U	1	U	1	U	1	U	1	U	1	U
Methylene Chloride	5	1	U	1	U	1	U	1	U	1	U	1	U
Ethylbenzene	5	1	U	1	U	1	U	1	U	1	U	1	U
Isopropylbenzene (Cumene)	5	1	U	1	U	1	U	1	U	1	U	1	U
Methyl acetate	NS	2	U	2	U	2	U	2	U	2	U	2	U
Methyl tert-Butyl Ether (MTBE)	10	1	U	1	U	1	U	1	U	1	U	1	U
Methylcyclohexane	NS	1	U	1	U	1	U	1	U	1	U	1	U
Styrene	5	1	U	1	U	1	U	1	U	1	U	1	U
Tetrachloroethylene	5	1	U	1	U	1	U	**6.7**		1	U	1	U
Toluene	5	1	U	1	U	1	U	1	U	1	U	1	U
Trichloroethylene	5	1	U	1	U	1	U	**1.8**		1	U	1	U
Trichlorofluoromethane (Freon 11)	5	1	U	1	U	1	U	1	U	1	U	1	U
Vinyl Chloride	2	1	U	1	U	1	U	1	U	1	U	1	U
cis-1,2-Dichloroethylene	5	1	U	1	U	1	U	1	U	1	U	1	U
cis-1,3-Dichloropropene	0.4(c)	1	U	1	U	1	U	1	U	1	U	1	U
m/p-Xylene	5(b)	2	U	2	U	2	U	2	U	2	U	2	U
o-Xylene	5(b)	1	U	1	U	1	U	1	U	1	U	1	U
trans-1,2-Dichloroethylene	5	1	U	1	U	1	U	1	U	1	U	1	U
trans-1,3-Dichloropropene	0.4(c)	1	U	1	U	1	U	1	U	1	U	1	U

Notes:

ug/L - Micrograms per liter.

J - Estimated value; detected below quantitation limit.

NS - No standard.

R - Rejected data point during data validation.

U - Analyte was not detected at specified quantitation limit.

UJ - Estimated nondetect.

Shading indicates result above Class GA Value.

Values in **bold** indicate the analyte was detected.

* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water, June 1998 with the April 2000 Addendum.

(b) - criteria applicable to xylene (total), the sum of the xylene isomers.

(c) - criteria applicable to the sum of the cis and trans isomers.

TRC
Results you can rely on

Table 9

New York State Department of Environmental Conservation Ellenville Scrap Iron and Metal Superfund Site
Town of Wawarsing, Village of Ellenville, Ulster County, New York
Summary of GW and SW Semi-Volatile Organic Compound Results

		CLIENT ID:	ESY-EPA-03B		ESY-EPA-08B		ESY-EPA-09		ESY-EPA-10		ESY-EPA-10B		ESY-SW	
		LAB ID:	R1610391-005		R1610391-001		R1610391-002		R1610391-003		R1610391-004		R1610391-006	
		COLLECTION DATE:	9/30/2016		9/29/2016		9/30/2016		9/30/2016		9/30/2016		9/30/2016	
		SAMPLE MATRIX:	GW		GW		GW		GW		GW		SW	
		UNITS:	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
PARAMETERS	**Class GA Value***		Result		Result		Result		Result		Result		Result	
1,2,4,5-Tetrachlorobenzene	5		11	U	11	U	11	U	11	U	11	U	11	U
2,3,4,6-Tetrachlorophenol	1(a)		11	U	11	U	11	U	11	U	11	U	11	U
2,4,5-Trichlorophenol	1(a)		11	U	11	U	11	U	11	U	11	U	11	U
2,4,6-Trichlorophenol	1(a)		11	U	11	U	11	U	11	U	11	U	11	U
2,4-Dichlorophenol	5		11	U	11	U	11	U	11	U	11	U	11	U
2,4-Dimethylphenol	50		11	U	11	U	11	U	11	U	11	U	11	U
2,4-Dinitrophenol	10		56	U	56	U	56	U	56	U	56	U	56	U
2,4-Dinitrotoluene	5		11	U	11	U	11	U	11	U	11	U	11	U
2,6-Dinitrotoluene	5		11	U	11	U	11	U	11	U	11	U	11	U
2-Chloronaphthalene	10		11	U	11	U	11	U	11	U	11	U	11	U
2-Chlorophenol	1(a)		11	U	11	U	11	U	11	U	11	U	11	U
2-Methylnaphthalene	NS		11	U	11	U	11	U	11	U	11	U	11	U
o-cresol	1(a)		11	U	11	U	11	U	11	U	11	U	11	U
2-Nitroaniline	5		56	U	56	U	56	U	56	U	56	U	56	U
2-Nitrophenol	1(a)		11	U	11	U	11	U	11	U	11	U	11	U
3,3'-Dichlorobenzidine	5		11	U	11	U	11	U	11	U	11	U	11	U
3,4-Methylphenol	1(a)		11	U	11	U	11	U	11	U	11	U	11	U
3-Nitroaniline	5		56	U	56	U	56	U	56	U	56	U	56	U
4,6-Dinitro-2-methylphenol	1(a)		56	U	56	U	56	U	56	U	56	U	56	U
4-Bromophenyl phenyl ether	NS		11	U	11	U	11	U	11	U	11	U	11	U
4-Chloro-3-methylphenol	1(a)		11	U	11	U	11	U	11	U	11	U	11	U
4-Chloroaniline	5		11	U	11	U	11	U	11	U	11	U	11	U
4-Chlorophenylphenyl ether	NS		11	U	11	U	11	U	11	U	11	U	11	U
4-Nitroaniline	5		56	U	56	U	56	U	56	U	56	U	56	U
4-Nitrophenol	1(a)		56	U	56	U	56	U	56	U	56	U	56	U
Acenaphthene	20		11	U	11	U	11	U	11	U	11	U	11	U
Acenaphthylene	NS		11	U	11	U	11	U	11	U	11	U	11	U
Acetophenone	NS		11	U	11	U	11	U	11	U	11	U	11	U
Anthracene	50		11	U	11	U	11	U	11	U	11	U	11	U
Atrazine	7.5		11	U	11	U	11	U	11	U	11	U	11	U
Benzo(a)anthracene	0.002		11	U	11	U	11	U	11	U	11	U	11	U
Benzaldehyde	NS		56	U	56	U	56	U	56	U	56	U	56	U
Benzo(a)pyrene	ND		11	U	11	U	11	U	11	U	11	U	11	U
Benzo(b)fluoranthene	0.002		11	U	11	U	11	U	11	U	11	U	11	U
Benzo(g,h,i)perylene	NS		11	U	11	U	11	U	11	U	11	U	11	U
Benzo(k)fluoranthene	0.002		11	U	11	U	11	U	11	U	11	U	11	U
1,1'-Biphenyl	5		11	U	11	U	11	U	11	U	11	U	11	U
Bis(2-chloroisopropyl)ether	5		11	U	11	U	11	U	11	U	11	U	11	U
Bis(2-chloroethoxy)methane	5		11	U	11	U	11	U	11	U	11	U	11	U
Bis(2-chloroethyl)ether	1		11	U	11	U	11	U	11	U	11	U	11	U

Table 9 (cont'd)

New York State Department of Environmental Conservation Ellenville Scrap Iron and Metal Superfund Site
Town of Wawarsing, Village of Ellenville, Ulster County, New York
Summary of GW and SW Semi-Volatile Organic Compound Results

	CLIENT ID:	ESY-EPA-03B		ESY-EPA-08B		ESY-EPA-09		ESY-EPA-10		ESY-EPA-10B		ESY-SW	
	LAB ID:	R1610391-005		R1610391-001		R1610391-002		R1610391-003		R1610391-004		R1610391-006	
	COLLECTION DATE:	9/30/2016		9/29/2016		9/30/2016		9/30/2016		9/30/2016		9/30/2016	
	SAMPLE MATRIX:	GW		GW		GW		GW		GW		SW	
	UNITS:	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
PARAMETERS	**Class GA Value***	Result		Result		Result		Result		Result		Result	
Bis(2-ethylhexyl)phthalate	5	11	U	11	U	11	U	11	U	11	U	11	U
Butylbenzylphthalate	50	11	U	11	U	11	U	11	U	11	U	11	U
Caprolactam	NS	11	U	11	U	11	U	11	U	11	U	11	U
Carbazole	NS	11	U	11	U	11	U	11	U	11	U	11	U
Chrysene	0.002	11	U	11	U	11	U	11	U	11	U	11	U
Di-n-butylphthalate	50	11	U	11	U	11	U	11	U	11	U	11	U
Di-n-octylphthalate	50	11	U	11	U	11	U	11	U	11	U	11	U
Dibenz(a,h)anthracene	NS	11	U	11	U	11	U	11	U	11	U	11	U
Dibenzofuran	NS	11	U	11	U	11	U	11	U	11	U	11	U
Diethylphthalate	50	11	U	11	U	11	U	11	U	11	U	11	U
Dimethylphthalate	50	11	U	11	U	11	U	11	U	11	U	11	U
Fluoranthene	50	11	U	11	U	11	U	11	U	11	U	**1.7**	**J**
Fluorene	50	11	U	11	U	11	U	11	U	11	U	11	U
Hexachlorobenzene	0.04	11	U	11	U	11	U	11	U	11	U	11	U
Hexachlorobutadiene	0.5	11	U	11	U	11	U	11	U	11	U	11	U
Hexachlorocyclopentadiene	5	11	U	11	U	11	U	11	U	11	U	11	U
Hexachloroethane	5	11	U	11	U	11	U	11	U	11	U	11	U
Indeno(1,2,3-cd)pyrene	0.002	11	U	11	U	11	U	11	U	11	U	11	U
Isophorone	50	11	U	11	U	11	U	11	U	11	U	11	U
N-Nitroso-di-n-propylamine	NS	11	U	11	U	11	U	11	U	11	U	11	U
N-Nitrosodiphenylamine	50	11	U	11	U	11	U	11	U	11	U	11	U
Naphthalene	10	11	U	11	U	11	U	11	U	11	U	11	U
Nitrobenzene	0.4	11	U	11	U	11	U	11	U	11	U	11	U
Pentachlorophenol	1(a)	56	U	56	U	56	U	56	U	56	U	56	U
Phenanthrene	50	11	U	11	U	11	U	11	U	11	U	11	U
Phenol	1(a)	11	U	11	U	11	U	11	U	11	U	11	U
Pyrene	50	11	U	11	U	11	U	11	U	11	U	**1.4**	**J**

Notes:

ug/L - Micrograms per liter.

J - Estimated value; detected below quantitation limit.

NS - No standard.

U - Analyte was not detected at specified quantitation limit.

Values in **bold** indicate the analyte was detected.

* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water, June 1998 with the April 2000 Addendum.

(a) - criteria applicable to total phenolics.

Table 10New York State Department of Environmental Conservation Ellenville Scrap Iron and Metal Superfund Site Town of Wawarsing, Village of Ellenville, Ulster County, New York Summary of GW and SW Inorganic Results

		CLIENT ID:		ESY-EPA-03B		ESY-EPA-08B		ESY-EPA-09		ESY-EPA-10		ESY-EPA-10B		ESY-SW	
		LAB ID:		R1610391-005		R1610391-001		R1610391-002		R1610391-003		R1610391-004		R1610391-006	
		COLLECTION DATE:		9/30/2016		9/29/2016		9/30/2016		9/30/2016		9/30/2016		9/30/2016	
		SAMPLE MATRIX:		GW		GW		GW		GW		GW		SW	
		UNITS:		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
PARAMETERS	**Class GA Value***			Result		Result		Result		Result		Result		Result	
Metals, total															
Aluminum	NS			100	U	100	U	**329**	**J+**	**43,400**		100	U	**2,930**	
Antimony	3			60	U	60	U	60	U	60	U	60	U	60	U
Arsenic	25			10	U	10	U	**5.2**	**J**	**45.9**	**J**	10	U	10	U
Barium	1000			**111**		**369**		**301**		**451**		**34.9**	**J+**	**144**	
Beryllium	3			3	U	3	U	3	U	**3.2**		3	U	3	U
Cadmium	5			5	U	5	U	5	U	5	U	5	U	5	U
Calcium	NS			**65,500**		**39,300**		**74,600**		**138,000**		**4,930**		**28,300**	
Chromium	50			10	U	10	U	10	U	**202**		10	U	10	U
Cobalt	NS			**1.3**	**J**	**2.6**	**J**	**5.5**	**J**	**71.9**		50	U	**2.1**	**J**
Copper	200			20	U	20	U	20	U	**165**		20	U	20	U
Iron	300			**19,400**	**J**	**4,890**	**J**	**21,100**	**J**	**164,000**	**J**	**1,500**	**J**	**5,400**	**J**
Lead	25			5	U	5	U	5	U	**81.1**		5	U	**4.7**	**J**
Magnesium	35000			**16,200**	**J**	**13,600**	**J**	**13,800**	**J**	**30,200**	**J**	1,000	U	**5,370**	**J**
Manganese	300			**757**	**J**	**2,750**	**J**	**4,470**	**J**	**5,490**	**J**	**37.3**	**J**	**4,040**	**J**
Mercury	0.7			0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Nickel	100			40	U	40	U	40	U	**131**		40	U	40	U
Potassium	NS			2,000	U	2,000	U	2,000	U	**11,500**		**11,900**		**10,100**	
Selenium	10			10	U	10	U	10	U	**9.5**	**J**	10	U	10	U
Silver	50			10	U	10	U	10	U	10	U	10	U	10	U
Sodium	20000			**25,600**		**25,700**		**24,200**		**28,800**		**38,100**		**20,300**	
Thallium	0.5			10	U	10	U	10	U	10	U	10	U	10	U
Vanadium	NS			50	U	50	U	50	U	**75.4**		50	U	50	U
Zinc	2000			**4.1**	**J**	**4.3**	**J**	**4.7**	**J**	**1,160**		**5.5**	**J**	**17.5**	**J**
General Chemistry															
Cyanide	200			10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U

Notes:

ug/L - Micrograms per liter.

J - Estimated value; detected below quantitation limit.

J+ - Estimated value; biased high.

NS - No standard.

U - Analyte was not detected at specified quantitation limit.

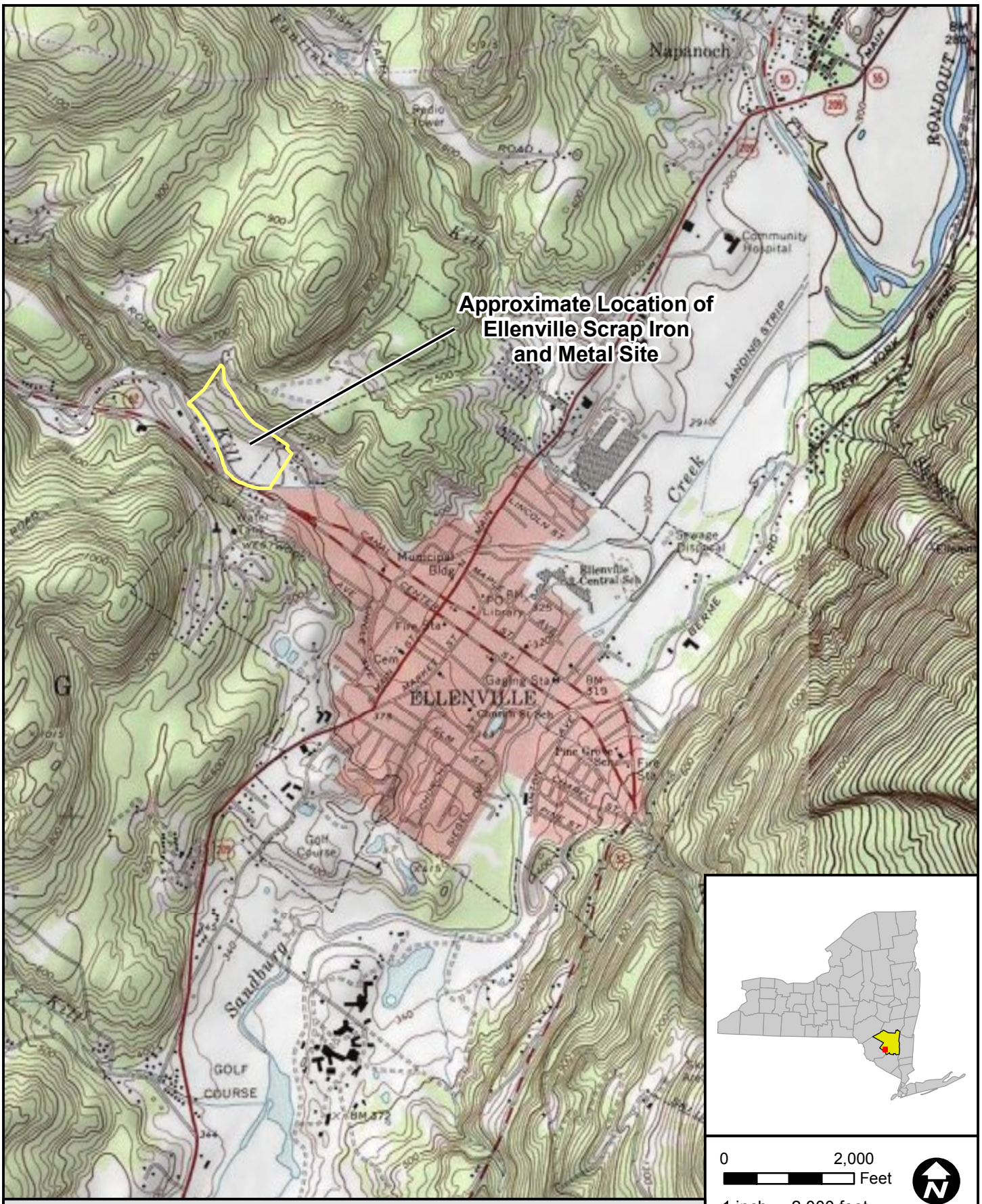
Shading indicates result above Class GA Value.

Values in **bold** indicate the analyte was detected.

* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water, June 1998 with the April 2000 Addendum.

APPENDIX B

FIGURES



Source: United States Geological Survey Topographic Map

HDR|OBG JV	**Site Location Map** **Ellenville Scrap Iron and Metal Superfund Site**	**Job No.**	**Date**	**Figure No.**
		146611	**June 2012**	**1**

\\prl-srv3\GIS_Projects\443005_USEPA REGION 2\0114488_EPAR2-008RICO02LX- ELLENVILLE\GIS\map_docs\mxd\Figures\Figure_1-1_Site_Location_Map.mxd



LOCUS MAP
NOT TO SCALE

LEGEND

- PROPERTY LINE (P/O - PART OF)
- UTILITY EASEMENT LINE
- ENGINEERING CONTROLS AREA - CAPPED LANDFILL
- DESCRIPTION TIE LINE
- STREAM EDGE OR SWALE ℄
- OVERHEAD WIRE
- GUIDE RAIL
- EC-2 RIP RAP AREA (Eng. Control)
- CHAIN LINK FENCE
- EC-4 CHAIN LINK FENCE (Eng. Control)
- EC-3 STORM WATER BASIN (Eng. Control)
- EC-1 LANDFILL COVER & PASSIVE GAS VENTS (Eng. Control)
- EC-5 GROUNDWATER CONTAINMENT SYSTEM (Eng. Control)
- EC-6 MONITORING WELLS (Eng. Control)
- EC-7 ACCESS ROADS (Eng. Control)
- Eng.Control: See Engineering /Institutional Site Controls Note

DECLARATION OF COVENANTS, RESTRICTIONS & ENVIRONMENTAL EASEMENT AREA ACCESS

THE DEC OR THEIR AGENT MAY ACCESS THE DECLARATION OF COVENANTS, RESTRICTIONS & ENVIRONMENTAL EASEMENT AREA AS SHOWN HEREON THROUGH ANY EXISTING STREET ACCESS OR BUILDING INGRESS/EGRESS ACCESS POINT

THE ENGINEERING AND INSTITUTIONAL CONTROLS for the Easements are set forth in more detail in the Site Management Plan ("SMP"). A copy of the SMP must be obtained by any party with an interest in the property. The SMP may be obtained from the New York State Department of Environmental Conservation, Division of Environmental Remediation, Site Control Section, 625 Broadway, Albany, NY 12233 or at derweb@dec.ny.gov

These properties are subject to a Declaration of Covenants, Restrictions and Environmental Easements held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the New York Environmental Conservation Law.

ENGINEERING / INSTITUTIONAL CONTROLS

(i) Activities that could affect the integrity of the landfill cover, including without limitation, excavation, digging, and construction activities, are prohibited on any portion of the Fenced Area including the Capped Area, unless Grantee and EPA have given their prior written consent to any such intrusive activity;

(ii) Groundwater production wells shall not be installed or used on any portion of the Site;

(iii) Allowable uses include residential use of the portion of the Site not capped, as well as restricted residential, commercial, and industrial use, as defined by NYSDEC Regulations - 6 NYCRR Part 375;

(iv) All future activities on the property that will disturb remaining contaminated material shall be conducted in accordance with the SMP;

(v) Vegetable gardens and farming on the entire property are prohibited; and

(vi) The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

(vii) Landfill cover and passive gas vents; EC-1

(viii) Rip-rap channels; EC-2

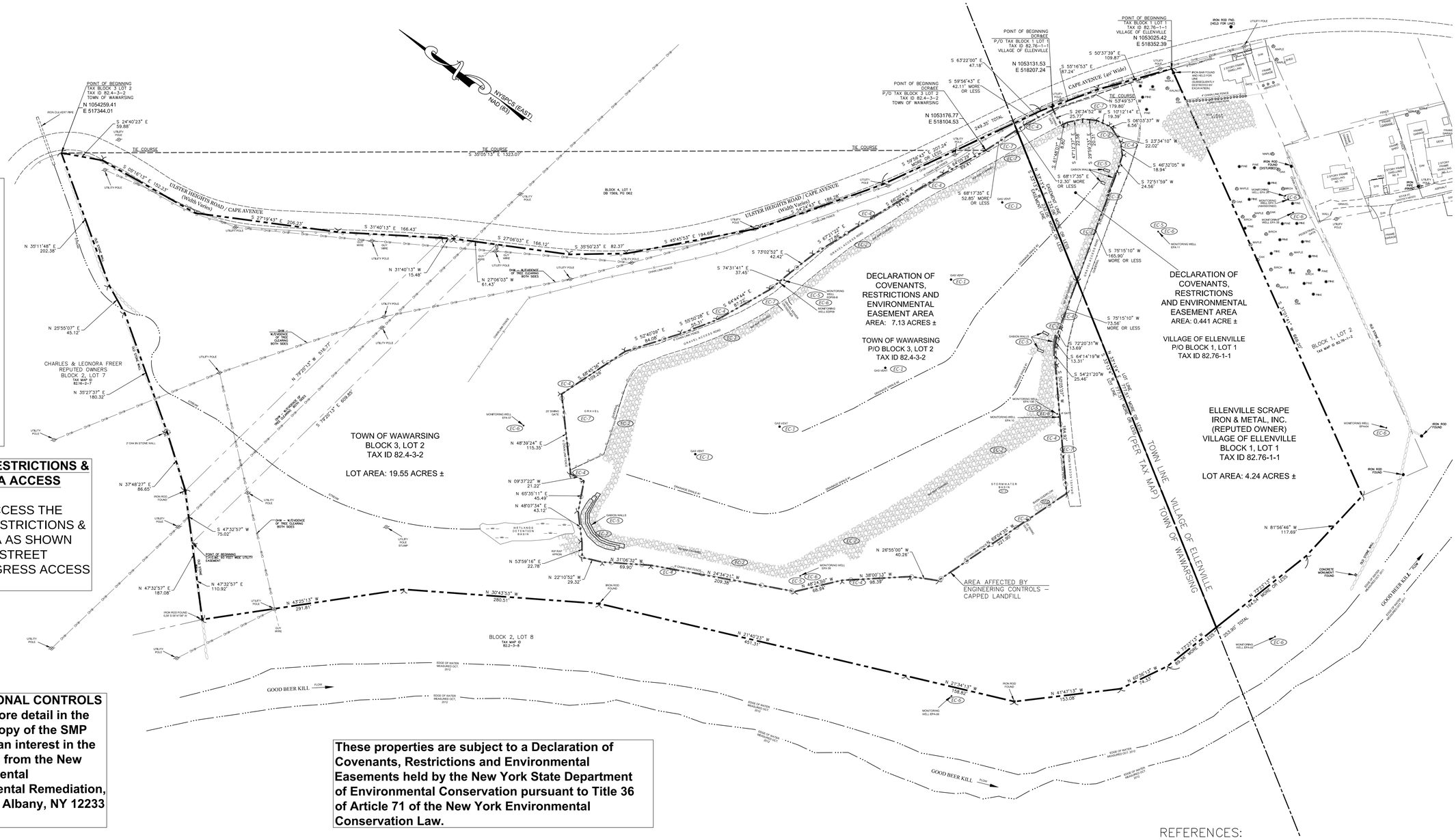
(ix) Storm water basin located within the EC-3 Ellenville Scrap Iron & Metal, Inc. property.

(x) Fence, including gates, bordering the Inactive Capped Landfill; EC-4

(xi) Groundwater Containment System (including monitoring wells); EC-5

(xii) Monitoring wells inside and outside the Landfill fence; and EC-6

xiii) Access roads. EC-7



REFERENCES:

TAX MAPS:
- A. Tax Map, Village of Ellenville, Ulster County, New York 082.076
- B. Tax Map, Town or Wawarsing, Ulster County, New York 082.004

FILED MAPS:
- C. None

SURVEYS:
- D. Map entitled "Survey & Subdivision Map of Lands of William & Mary Koplik prepared by A. Diachishin and Associates, P.C., Napanoch, New York dated September 1981
- E. Map entitled "Subdivided and Updated" by Mercurio-Norton-Tarolli Land Surveying-Engineering, Pine Bush, New York dated October 30, 1983, certified by William G. Norton, New York Professional Land Surveyor, License Number 49480.

DEEDS
- F. Book 375, Page 631 dated 4/1/1903. Grantor: Jacob B. Freer, Susan M. Freer. Grantee: Hyman Levine
- G. Book 423, Page 114 dated 11/20/1906. Grantor: Hyman Levine, Annie Levine. Grantee: Charles P. Dickinson.
- H. Book 1293, Page 419 dated 1/10/1973. Grantor: Abraham Levine. Grantee: William Koplik.
- I. Book 1318, Page 787 dated 5/20/1974. Grantor: William Koplik. Grantee: William Koplik, Marilyn Koplik.
- J. Book 1567, Page 0230 dated 12/23/1985. Grantor: William Koplik, Marilyn Koplik. Grantee: Ellenville Scrap Iron & Metal Co., Inc.
- K. Book 3889, Page 86 dated 5/6/2004. Grantor: Ulster County, NY. Grantee: Janum Management LLC.

NOTE: This Survey has been revised with the benefit of Title Searches prepared by Esquire Title Services, L.L.C.; Title # VA-009878/ETS21415525 & Title # VA-009878/ETS 21415524, both dated June 4, 2014.

This survey is certified to:

1. Catello Viviani, as owner Tax Block 3, Lot 2, Tax ID 82.4-3-2, Town of Wawarsing
2. Ellenville Scrap Iron & Metal Company, Inc., as owner of Tax Block 1, Lot 1, Tax ID 82.76.1-1, Village of Ellenville
3. The People of the State of New York acting through their Commissioner of the Department of Environmental Conservation
4. The United States Environmental Protection Agency
5. Esquire Title Services, L.L.C.

This is to certify that this map or plat and the survey on which it is based was made in accordance with the rules and regulations promulgated by the State of New York, The State Education Department, Office of the Professions, Division of Professional Licensing Services and in effect on the date of this certification, undersigned further certifies that in my professional opinion, as a land surveyor registered in the State of New York, this map is an accurate depiction of conditions at the time of the survey (Last site visit Nov. 20, 2012).

Rev. No.	Date	Revision
1		

Paul J. Emilius Jr.
Professional Land Surveyor
N.Y. Professional Land Surveyor Lic. No. 050203

"ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S EMBOSSED SEAL SHALL BE CONSIDERED TO BE VALID TRUE COPIES"

60' 30' 0 60' 120'
(IN FEET)
1 inch = 60 ft.

Layout Inc.
A SUBSIDIARY OF GEOD CORP. CERT. of AUTH. No. 0009346
PROFESSIONAL LAND SURVEYORS
CONSTRUCTION SURVEYING SPECIALISTS
GPS CONSULTANTS
1 ENTIN ROAD , UNIT 8
CLIFTON, N.J. 07014
Ph: 973–249–0900 Fax: 973–249–0988

DECLARATION OF COVENANTS, RESTRICTIONS AND ENVIRONMENTAL EASEMENTS MAP
DEC SITE No. 3-56-022

Located At:
Ellenville Scrap Iron and Metal Superfund Site
Cape Avenue and Ulster Heights Road
Town of Wawarsing and Village of Ellenville, County of Ulster, NY

Prepared For:
NEW YORK STATE, DEPARTMENT OF ENVIRONMENTAL CONSERVATION and
THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Drawn By: BH/ALS
Checked: BD
Scale: 1" = 60'
Date: 03/11/2015
Proj. No.: 3073

FIGURE 2