
DECISION DOCUMENT

FORMER SCHENECTADY ARMY DEPOT AREA OF CONCERN #2: BIVOUAC AREA/ POST COMMANDER'S LANDFILL

**FORMERLY USED DEFENSE SITE
CO2NY000203**

GUILDERLAND, NEW YORK

PREPARED BY:



**US Army Corps
of Engineers®**
New York District

NOVEMBER 2009

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ABBREVIATIONS/ACRONYMS AND GLOSSARY

AOC	Area of Concern – portion of a site designated for further study.
ARARs	applicable or relevant and appropriate requirements – Applicable requirements are cleanup standards, standards of control, and other substantive environmental protection requirements promulgated under Federal or state environmental law that specifically address a hazardous substance, pollutant, contaminant, remedial action, location or other circumstance found at a CERCLA site. Relevant and appropriate requirements are cleanup standards that, while not “applicable,” address situations sufficiently similar to those encountered at a CERCLA site that their use is well suited to the particular site.
BEHP	bis(2-ethylhexyl)phthalate – a semivolatile organic compound.
bgs	below ground surface – a reference point for depth measurements.
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act – federal statute that concerns responses to releases of threats of releases of hazardous substances, pollutants, or contaminants, and concerns compensation and liability
CFR	Code of Federal Regulations – compilation of Federal regulations
COC	Contaminant of Concern – contaminant suspected to be site-related.
COPC	Contaminant of Potential Concern - contaminant suspected to be site-related.
CPAH	Carcinogenic polynuclear aromatic hydrocarbon – a type of semivolatile organic compound.
DCA	Dichloroethane – a volatile organic compound.
DCE	Dichloroethene – a volatile organic compound.
DD	Decision Document – a public document that explains which alternatives will be used to clean up a Superfund site. The ROD for sites listed on the NPL is created from information generated during the RI/FS.
DERP	Defense Environmental Restoration Program – Congressionally authorized in 1986, DERP promotes and coordinates efforts for the evaluation and cleanup of contamination at Department of Defense installations and Formerly Used Defense Sites.
DNAPL	Dense Non-aqueous Phase Liquid – a heavier than water chemical.
DoD	Department of Defense

ABBREVIATIONS/ACRONYMS AND GLOSSARY (CONTINUED)

EE/CA	Engineering Evaluation / Cost Analysis – Section 300.415(b)(4)(i) of the NCP requires an EE/CA for all non-time-critical removal actions (NTCRAs). The goals of the EE/CA are to identify the extent of a hazard, to identify the objectives of the removal action, and to analyze the various alternatives that may be used to satisfy these objectives for cost, effectiveness, and implementability. An EE/CA serves an analogous function to, but is more streamlined than, the remedial investigation/feasibility study (RI/FS) conducted for remedial actions. The results of the EE/CA and the selected removal action are summarized in the Action Memorandum.
EPC	Exposure Point Concentration – the value calculated as being the amount of a particular contaminant that a person is exposed to, as part of a risk assessment.
FFS	Focused Feasibility Study – an evaluation of remedial alternatives that address hazards posed by a site.
FUDS	Formerly Used Defense Site– a facility or site (property) that was under the jurisdiction of the Secretary of Defense and owned by, leased to, or otherwise possessed by the United States at the time of actions leading to contamination by hazardous substances. By the Department of Defense Environmental Restoration Program (DERP) policy, the FUDS program is limited to those real properties that were transferred from DoD control prior to 17 October 1986.
HHRA	Human Health Risk Assessment – an evaluation of the risk posed to humans from exposure to contaminants.
LRI	Limited Remedial Investigation – a study of the soil, groundwater, surface water, sediment and/or air quality at a site.
LUC	Land Use Control – Physical, legal, or administrative mechanisms that restrict the use of, or limit access to, contaminated property to reduce risk to human health and the environment.
m ³	cubic meters – a unit of volume measurement.
MCL	maximum contaminant level – The maximum permissible level of a contaminant in water delivered to any user of a public system. MCLs are enforceable standards.
mg/kg	milligrams per kilogram – unit of measurement for contaminants in soil.
mg/L	milligrams per liter – unit of measurement for contaminants in water.
MNA	Monitored Natural Attenuation - Natural attenuation relies on natural processes to clean up or <i>attenuate</i> pollution in soil and groundwater.
MSSL	media-specific screening level – a concentration used to assess water or soil quality.

ABBREVIATIONS/ACRONYMS AND GLOSSARY (CONTINUED)

MW	monitoring well – a hollow pipe drilled into the ground, used to collect groundwater samples.
NCP	National Oil and Hazardous Substances Pollution Contingency Plan – regulations that implement and provide a regulatory framework for CERCLA.
NEIP	Northeastern Industrial Park – current name for the property that was formerly the Schenectady Army Depot – Voorheesville Area.
NPAH	Noncarcinogenic polynuclear aromatic hydrocarbon – a type of semivolatile organic compound.
NTCRA	Non-Time Critical Removal Action – response action conducted at a site when the lead agency determines, based on the site evaluation, that a removal action is appropriate, and a planning period of at least six months is available before on-site activities must begin.
NYCRR	New York Code of Rules and Regulations – compilation of New York State regulations.
NYS	New York State – state in which the Former Schenectady Army Depot—Voorheesville Area (FSADVA) is located.
NYSDEC	New York State Department of Environmental Conservation – regulatory body for environmental issues in New York State.
NYSDOH	New York State Department of Health – regulatory body for health issues in New York State.
O&M	operation and maintenance – procedures to ensure an engineering or other site control remains effective.
PAHs	polycyclic aromatic hydrocarbons – PAHs are created when products like coal, oil, gas, and garbage are burned but the burning process is not complete.
PCBs	polychlorinated biphenyls - A group of toxic, persistent chemicals used in electrical transformers and capacitors for insulating purposes, and in gas pipeline systems as lubricant.
PCL	protective concentration level – a concentration of a particular chemical that is protective of human health or the environment.
ppm	parts per million – unit of measure for concentration of contaminants in water, air or soil.
PRAP	Proposed Remedial Action Plan (a.k.a. Proposed Plan) – The purpose of the proposed plan is to supplement the RI/FS and provide the public with a reasonable opportunity to comment on the preferred alternative for remedial action, as well as alternative plans under consideration, and to participate in the selection of remedial action at a site.

ABBREVIATIONS/ACRONYMS AND GLOSSARY (CONTINUED)

PRGs	preliminary remediation goals - tools for evaluating and cleaning up contaminated sites. They are risk-based concentrations that are intended to assist risk assessors and others in initial screening-level evaluations of environmental measurements.
	Remedial action -- Those actions consistent with permanent remedy taken instead of or in addition to removal actions in the event of a release or threatened release of a hazardous substance into the environment.
RA	Removal action – the cleanup or removal of released hazardous substances from the environment; such actions as may be necessary taken in the event of the threat of release of hazardous substances into the environment; such actions as may be necessary to monitor, assess, and evaluate the release or threat of release of hazardous substances; the disposal of removed material; or the taking of such other actions as may be necessary to prevent, minimize, or mitigate damage to the public health or welfare of the United States or to the environment, which may otherwise result from a release or threat of release.
RAB	Restoration Advisory Board – a forum for the discussion and exchange of information between representatives of the Department of Defense (DoD), regulators, state and local governments, tribal governments, and the affected community. RABs provide an opportunity for stakeholders to have a voice and actively participate in the review of technical documents, to review restoration progress, and to provide individual advice to decision makers regarding restoration activities at FUDS Properties and Projects.
RAGS	Risk Assessment Guide for Superfund – USEPA guidance for performing risk assessments.
RAO	Remedial Action Objective – a goal that a remedial action is intended to achieve.
RCRA	Resource Conservation and Recovery Act - Enacted by Congress in 1976, RCRA promotes the protection of health and the environment. It regulates waste generation, treatment, storage, transportation, and disposal for facilities currently in operation.
RI	Remedial Investigation – An in-depth study designed to gather the data necessary to determine the nature and extent of known contamination at a site, assess risk to human health and the environment, and establish criteria for cleaning up the site.
RSCO	Residential Soil Clean up Objective
SADVA	Schenectady Army Depot – Voorheesville Area
SARA	Superfund Amendments and Reauthorization Act - Federal law, enacted in 1986, reauthorizing and expanding the jurisdiction of CERCLA.
SLERA	screening-level ecological risk assessment – an abbreviated form of an ecological risk assessment that assesses the health of plants and animals at a site.

ABBREVIATIONS/ACRONYMS AND GLOSSARY (CONTINUED)

SVOCs	A semivolatile organic compound is an organic compound which has a boiling point higher than water and which may vaporize when exposed to temperatures above room temperature. Semivolatile organic compounds include phenols and polynuclear aromatic hydrocarbons (PAH).
TAGM	Technical and Administrative Guidance Memorandum – a series of guidance documents published by NYSDEC.
TBCs	“to be considered” – advisories, criteria, or guidance that were developed by EPA, other federal agencies, or states that may be useful in developing CERCLA remedies
TCE	trichloroethene – a volatile organic compound, typically used as a degreaser.
TCEQ	Texas Commission on Environmental Quality – a regulatory body in Texas that has published sediment criteria for protection of human health.
TCLP	Toxicity Characteristic Leaching Procedure – an analytical procedure used to determine if a material meets certain criteria to be classified as hazardous waste.
TPH	Total Petroleum Hydrocarbons – a class of petroleum-related compounds expressed as a concentration for site assessment purposes.
UCL	Upper Confidence Level – a statistical method for estimating the average concentration of a contaminant that a person might be exposed to over time.
µg/kg	micrograms per kilogram – unit of measure for contaminants in soil.
µg/L	micrograms per liter - unit of measure for contaminants in water.
USACE	United States Army Corps of Engineers - The USACE is has day-to-day program management and execution responsibilities for the FUDS Program.
USEPA	United States Environmental Protection Agency - The mission of the Environmental Protection Agency is to protect human health and the environment.
VC	vinyl chloride – a volatile organic compound.
VOCs	volatile organic compounds – compounds that are emitted as gases from certain solids or liquids. VOCs include a variety of chemicals, some of which may have short- and long-term adverse health effects. Concentrations of many VOCs are consistently higher indoors (up to ten times higher) than outdoors. VOCs are emitted by a wide array of products numbering in the thousands. Examples include: paints and lacquers, paint strippers, cleaning supplies, pesticides, building materials and furnishings, office equipment such as copiers and printers, correction fluids and carbonless copy paper, graphics and craft materials including glues and adhesives, permanent markers, and photographic solutions.

DECISION DOCUMENT
FORMER SCHENECTADY ARMY DEPOT
AREA OF CONCERN (AOC) #2:
BIVOUAC AREA / POST COMMANDER'S LANDFILL

1. DECLARATION

1.1 SITE NAME AND LOCATION

The former Schenectady Army Depot-Voorheesville Area (SADVA) is located one-quarter mile southeast of the Village of Guiderland Center, New York (Figure A1.1). The Department of Defense (DoD) used the SADVA property from 1941 through 1969. The site was originally constructed as a regulating station and a holding and reconsignment point, and later became a general Army depot. The principal mission of the installation was the receipt, storage, maintenance, and distribution of supply items for the U.S. Department of the Army.

In 1963, approximately 40 acres on the west side of Route 201 were sold to a private party for use as a residence (see dashed property boundary on Figure 1.2). This area was designated AOC #2, as addressed under the Formerly Used Defense Site (FUDS) Program. Historical information indicates that AOC #2 was used by the Army as a transit troop bivouac area and officer family housing area in the 1950s and 1960s. After being purchased in 1963, the new owners of the parcel noticed a disposal area (later known as the Post Commander's Landfill), which they ultimately reported to the New York State Department of Environmental Conservation.

1.2 STATEMENT OF BASIS AND PURPOSE

USACE performs response actions for hazardous substances at FUDS pursuant to: the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) and the National Oil and Hazardous Substances Pollution Contingency Plan (NCP). This Decision Document concludes that the non-time critical removal action (NTCRA), which was undertaken at AOC #2 over the period September 2005 to October 2006, was effective in removing contaminants from soils and groundwater. Further, based on post-excavation soils and groundwater sampling and analyses, no further action at AOC #2 is deemed necessary, with the exception of the proper removal and closure of monitoring wells.

The U.S. Army Corps of Engineers (USACE), as lead agency, made the removal action decision for the AOC #2 parcel, subsequent to public review and comment on the AOC #2 Engineering Evaluation/Cost Analysis (EE/CA) (made available in July 2005) and documented that removal decision in an Action Memorandum dated August 10, 2005. Following that, our investigation revealed that the removal action was successful. Accordingly, in November 2008, we published the Proposed Remedial Action Plan for this site, with a preferred alternative of no further action, provided a public comment period and conducted a public meeting on December 9, 2008, in order to provide the public an opportunity to voice their comments, and/or to provide them in writing.

USACE has evaluated and responded to comments on the Proposed Plan for AOC #2, provided by the New York State Department of Environmental Conservation (NYSDEC) and members of the public,. (See specific responses to NYSDEC comments as provided in the Responsiveness Summary, Section 3.0). The Administrative Record, which concerns

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information relevant to our decision making for this site, may be reviewed at the Guilderland Public Library, 2228 Western Avenue, Guilderland New York, or at the Voorheesville Public Library, 51 School Road, Voorheesville, New York.

1.3 ASSESSMENT OF THE SITE

Based on the remedial investigations conducted in 2001 and 2004 (Parsons Engineering Science), the primary soil contaminants of concern (COCs) identified were volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) and metals. Disposed glass bottles containing a light, orange-colored liquid were analyzed and found to exhibit the hazardous characteristic of flammability, and contained hazardous levels of benzene. Liquid sludge in the vicinity of waste drums, tar buckets and paint residues were also found to exhibit the hazardous characteristics of flammability, and to contain elevated levels of benzene, ethylbenzene, toluene, xylenes, 2-methylnaphthalene, and naphthalene. Groundwater sampling and analysis revealed elevated concentrations of VOCs and SVOCs downgradient of the site, indicating groundwater impact from contaminants.

1.4 DESCRIPTION OF THE REMOVAL ACTION

The removal action was necessary to protect the public health or welfare or the environment from actual or threatened releases of hazardous substances and/or pollutants or contaminants from this site, which presented an imminent and substantial endangerment to public health or welfare or the environment. The media impacted at AOC # 2 included on-site soils, groundwater and surface water. Based on the findings of the remedial investigation (RI) and the results of the risk assessments completed at the AOC # 2 site, certain areas of the property presented chemical risks in soils and groundwater. Therefore, to accommodate the anticipated future residential use of AOC # 2, we evaluated removal action alternatives. The removal action we selected was the removal of buried wastes/soils that were visibly contaminated with debris and/or staining; transportation and disposal of wastes to licensed disposal facilities, replacing excavated areas with clean fill, and regrading and restoring excavated areas, along with periodic inspection and maintenance. Post-excavation soil, surface water and groundwater sampling and analyses were conducted to evaluate the effectiveness of the removal action.

The removal action has been successful and provides the highest level of protectiveness to human health and the environment due to the removal of contaminated materials and is expected to result in an unrestricted end use of the property. No further response action is necessary.

1.5 STATUTORY DETERMINATIONS

1.5.1 Statutory Requirements

At the time the removal action was executed (i.e., over the period September 2005 through October 2006), it complied (and still complies) with Federal and State requirements that were applicable or relevant and appropriate to the remedial action; the removal action was cost-effective, and utilized permanent solutions to the maximum extent practicable. During the course of completing the removal action, USACE was in consultation with NYSDEC, and post-excavation sampling and analysis results were compared to New York State Department of Environmental Conservation (NYSDEC) Technical and Administrative Guidance Memorandum

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(TAGM) residential soil clean up levels; additional excavation was conducted only when determined that all waste materials and visibly contaminated soils had not been removed and if residual soil contaminant concentrations had not reached an asymptotic level.

Although all excavation, backfill and site restoration work had been completed by October 2006, the NYSDEC promulgated new unrestricted soil cleanup objectives (SCOs) at 6 NYCRR Part 375, effective December 14, 2006 (see Appendices 2 through 6). In comparing post-excavation soil analysis results to the new unrestricted SCOs, it was determined that remaining concentrations of nickel are related to natural background conditions of the parcel (see Appendix 8), two sampling locations slightly exceeded the new unrestricted SCOs for arsenic (13.2 and 13.3 milligrams/kilogram (mg/kg) vs. 13.0 mg/kg), but were within the range of site background, and methyl ethyl ketone in one post-excavation sample met the TAGM soil value, however was slightly elevated when compared to the new unrestricted SCO (0.19 mg/kg vs. 0.12 mg/kg). All post-excavation soil samples, when analyzed for pesticide compounds met TAGM values; subsequently, when compared to the new unrestricted SCOs, it was found that the unrestricted soil criteria for pesticides were not met in several instances (4,4-DDD results ranged from 3.6 microgram/kilogram (ug/kg) to 240 ug/kg; 4,4-DDE results ranged from 4.6 ug/kg to 52 ug/kg; 4,4 DDT results ranged from 3.4 ug/kg to 390 ug/kg; while the unrestricted SCO for all three compounds is 3.3 ug/kg—previously, the TAGM comparison value was 2,900 ug/kg for 4,4-DDD and 2,100 ug/kg for both 4,4 DDE and 4,4-DDT). These pesticide compounds did not appear to be components of wastes disposed at the site, and may have been normally applied at the site. A human health risk assessment, completed using post-excavation soil sample analysis results, concluded that remaining risks fell within an acceptable risk range at AOC #2. NYSDEC concurs with this conclusion, and it states that we are in compliance with New York's standards.

1.5.2 Statutory Preference for Treatment

None of the alternatives considered for the site reduces the toxicity or volume of contaminants through treatment. Although the removal action reduced the mobility of the hazardous substances, pollutants, or contaminants at this site through removal, it did not achieve this by treatment.

Although treatment was not a principal element of the removal action, pumpable liquids and sludges from excavated waste drum containers at AOC #2 were shipped to licensed disposal facilities and incinerated.

1.5.3 Recurring (a.k.a. "Five-Year") Review Requirement

In accordance with CERCLA and the NCP, remedial actions that do not allow unlimited use and unrestricted exposure (UU/UE) must be reviewed no less than every five (5) years after the start of the remedial action, or more frequently if required by the DD. The reviews are conducted to ensure that the remedial actions remain protective of human health, safety, and the environment.

The removal action taken allows for unrestricted site use; therefore, the five groundwater monitoring wells at AOC #2 will be properly closed and periodic reviews will not be required.

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1.6 DECISION DOCUMENT DATA CERTIFICATION CHECKLIST

The following information is included in the Decision Summary section of this Decision Document. Additional information may be found in the Administrative Record for this site.

**Decision Document Data Checklist
Former Schenectady Army Depot, AOC #2**

Decision Document Data Checklist Item	Decision Document Section, Number Reference
The contaminants of concern (COCs) and their respective concentrations (Sources, Types and Extent of Contamination)	Sections 2.4, 2.5.3
The land use resulting from the implementation of the Selected Remedy	Section 2.6
The estimate of potential risk (Summary of Human Health Risk Assessment)	Section 2.7.1
The cleanup levels established for the COCs and their basis	Section 2.8
The principle threat source materials (Principal-Threat Waste)	Section 2.11
The key factors that led to the selection of the Remedy	Sections 2.12, 2.13
The estimated costs of the Selected Remedy	Section 2.13.7

1.7 AUTHORIZING SIGNATURE



John R. Boulé II
Colonel, U. S. Army
District Engineer

13 Nov 2009

Date

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2. DECISION SUMMARY

2.1 SITE NAME, LOCATION, AND BRIEF DESCRIPTION

The former Schenectady Army Depot-Voorheesville Area (SADVA) is located one-quarter mile southeast of the Village of Guilderland Center, New York (Figure A1.1). The Department of Defense (DoD) held ownership of the SADVA property from 1941 through 1969. The site was originally constructed as a regulating station and a holding and reconsignment point, and later became a general Army depot. The principal mission of the installation was the receipt, storage, maintenance, and distribution of supply items for the U.S. Department of the Army.

In 1963, approximately 40 acres on the west side of Route 201 were sold to a private party for use as a residence (see dashed property boundary on Figure 1.2). This area was designated AOC #2, as addressed under the FUDS Program. Historical information indicates that AOC #2 was used by the Army as a transit troop bivouac area and officer family housing area in the 1950s and 1960s. After being purchased in 1963, the new owners of the parcel noticed a disposal area (later known as the Post Commander's Landfill), which they ultimately reported to the New York State Department of Environmental Conservation.

In accordance with the provisions of the Defense Environmental Restoration Program (DERP) Management Guidance, the Department of the Army (DA) serves as the Department of Defense (DoD) Executive Agent for execution of the Defense Environmental Restoration Program for Formerly Used Defense Sites (DERP-FUDS).

The DA further delegated the responsibility of the DERP-FUDS program management and execution to the U. S. Army Corps of Engineers. All plans and activities conducted by USACE at FSADVA are coordinated with the New York State Department of Environmental Conservation, the New York State Department of Health, the Albany County Department of Health, and the current owner of the SADVA property.

The actions conducted addressed the removal of site contaminants from soils, and in doing so, reduced the likelihood of potential adverse impacts to surface water, groundwater and sediments at AOC #2.

2.2 SITE HISTORY AND ENFORCEMENT ACTIVITIES

2.2.1 Activities Leading to Current Problems

There is no record of any enforcement activities taken at this site, however, in 1982 the U. S. Environmental Protection Agency (USEPA), Region II, conducted an environmental field investigation at the site, which noted impacts to groundwater and potential for surface water contamination.

An archive search, commencing in 1999, was conducted by USACE to examine records pertaining the operations of the former Depot. The AOC #2 parcel was indicated as an area of interest, where there was evidence of use of the site as a bivouac area, and for the disposal of iodine and salt pill bottles.

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NYSDEC has *not* listed the AOC #2 parcel as a “Class 2” site (i.e., a property that may present a significant threat to human health and the environment) on its *Registry of Inactive Hazardous Waste Disposal Sites in New York*.

2.2.2 Site Investigations

USACE initiated a remedial investigation in the year 2000 timeframe, which addressed the AOC #2 property. Further investigations, including test-pitting (i.e., limited excavation of soils for examination of select areas of the site), in the year 2004 yielded the discovery of buried drums and other wastes in a portion of the 40-acre site. In August 2005, USACE issued an Engineering Evaluation / Cost Analysis (EE/CA). Subsequent to public review of the EE/CA, a removal action at AOC #2 was recommended by USACE, accepted by the public, and USACE subsequently decided to perform the removal action..

2.2.3 Site Actions

On August 10, 2005, an Action Memorandum was issued by the New York District, USACE, proposing the removal of soils impacted by hazardous materials disposed of on site. Subsequently, over the period September 2005 through October 2006, soils impacted by disposal activities, including buried items, were removed from the site and transported to licensed disposal facilities. Further, post-excavation sampling and analysis of soils, groundwater and surface water was conducted to demonstrate the effectiveness of the removal action. Post-excavation sampling of soils occurred during the course of soil removals; groundwater was sampled and analyzed in April & October 2007, and once again in May 2008; surface water was sampled/analyzed in April 2007; since the appearance of surface water at the site is intermittent, there were no surface waters available to sample in the monitoring events subsequent to April 2007.

2.3 COMMUNITY PARTICIPATION

Community participation activities provide the public with an opportunity to express its views on the preferred remedial action. USACE considered state (NYSDEC and NYSDOH), Albany County Health Department (ACHD) and public input from the community participation activities in selecting the remedial alternative to be used for AOC #2.

In July 2005, USACE announced the availability of the EE/CA addressing AOC #2 in a notice published in the *Altamont Enterprise*, the *Schenectady Gazette*, and the *Albany Times-Union*, all newspapers of general circulation in the area of the former Schenectady Army Depot. Subsequently, comments from the public (including the Restoration Advisory Board membership for the site), NYSDEC, and ACHD were received. It should be noted that there was consensus that the removal action specified in Alternative 3 be the selected remedy. Further, it was recommended by NYSDEC that at least one monitoring well be installed downgradient of the buried wastes, in order to demonstrate the efficiency of the removal action. Upon further review, USACE determined that two monitoring wells be installed downgradient of the buried wastes. USACE installed two monitoring wells (#PCMW-01 and #PCMW-02), which were used as sampling points subsequent to completion of the removal action.

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In September 2005, a notice announcing the approval of the removal action (Alternative 3), was published in the *Altamont Enterprise*, the *Schenectady Gazette*, and the *Albany Times-Union*. All previous comments received on the EE/CA were addressed in the *Responsiveness Summary*, appended to the *Action Memorandum*, which was made part of the administrative record for the site.

Based upon the completion of the removal action, and results of post-excavation sampling and analysis, a *Draft Final Proposed Plan for AOC #2* (recommending no further action, except for the proper removal of monitoring wells) was made available for review on-line at the project website (www.fsadv.com), as well as at the Guilderland, New York Public Library and the Voorheesville, New York Public Library. Public Notice of the document's availability was made in *Altamont Enterprise* on November 27, 2008, the *Schenectady Gazette* on November 28, 2008, and the *Albany Times-Union* on November 29, 2008; concurrent to the newspaper notices was the announcement of a public meeting, which was held on December 9, 2008. A responsiveness summary, based on public comments received both at the meeting and via mail, is provided in Section 3.0 of this *Decision Document*.

2.4 SCOPE AND ROLE OF THE RESPONSE ACTION

As with many FUDS, the concerns at AOC #2 were with the impacts and potential impacts of disposed wastes on soils, groundwater, surface waters and sediments, as related to human health and the environment.

Based on the remedial investigations conducted in 2001 and 2004 (Parsons Engineering Science, 2001 and 2004), the primary soil contaminants of concern (COCs) identified were VOCs, SVOCs, and metals. Disposed glass bottles containing a light, orange-colored liquid, were analyzed and found to exhibit the hazardous characteristic of flammability, and contain hazardous levels of benzene. Liquid sludge in the vicinity of waste drums, tar buckets and paint residues were also found to exhibit the hazardous characteristic of flammability, and to contain elevated levels of benzene, ethylbenzene, toluene, xylenes, 2-methylnaphthalene, and naphthalene. Groundwater sampling and analysis revealed elevated concentrations of VOCs and SVOCs downgradient of the site, indicating groundwater impact from site contaminants. Several metals, SVOCs and pesticides were found above criteria (*Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations Technical and Operational Guidance Series (T.O.G.S.) 1.1.1.*, NYSDEC, October 1998) in surface water; metals and pesticides were also noted above criteria in sediments (*Technical Guidance for Screening Contaminated Sediment*, NYSDEC, January 1999). It should be noted that in the case of surface water and sediments, most locations were in the areas addressed by the removals, or proximate to those areas (see Figures 2 & 3). The intention of the removal action was to remove all visibly contaminated soils and buried wastes, properly dispose of them at off-site properly licensed or permitted disposal facilities, and restore the site, thereby reducing the further potential of contaminants to migrate to groundwater, surface waters or sediments at AOC #2, or beyond.

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2.5 SITE CHARACTERISTICS

2.5.1 Conceptual Site Model

During remedial investigations, soil contaminants of concern (COCs) identified were VOCs, SVOCs, and metals. Disposed glass bottles containing a light, orange-colored liquid, were analyzed and found to exhibit the hazardous characteristic of flammability, and contain hazardous levels of benzene. Liquid sludge in the vicinity of waste drums, tar buckets and paint residues were also found to exhibit the hazardous characteristic of flammability, and to contain elevated levels of benzene, ethylbenzene, toluene, xylenes, 2-methylnaphthalene, and naphthalene. Groundwater sampling and analysis revealed elevated concentrations of VOCs and SVOCs downgradient of the site, indicating groundwater impact from site contaminants.

AOC #2 and the entire SADVA are situated in an area of generally low relief at the base of the Helderberg Mountains, at an elevation of approximately 320 feet above mean sea level (AMSL). AOC #2 presently has a residence located on the property; this residence dates back to the DoD's former use of the property. The residence is located about 300 yards from the area thought to be the Post Commander's Landfill (see Figure 1). A small barn, a farm pond, and small sheds are presently located on the property, but were not part of the DoD use of the site. These structures are located 200 yards or more from the Post Commander's Landfill area. There is a gradual upward sloping of the portion of the 40.6 acre parcel from the residence, to a peak of about 320 feet AMSL, and then a drop off into an intermittently swampy area.

Bedrock occurs beneath AOC 2 at depths ranging from 15 to 25 feet below ground surface. Subsurface investigations at SADVA have encountered bedrock as shallow as five feet in the southwest portion of the site at the Voorheesville Depot, and as deep as 67 feet in the southeastern portion of the SADVA near the U. S. Army Southern Landfill. Borings drilled in the western portion of the SADVA encountered gray shale at 14 to 20 feet. Test borings from various studies indicate that the overburden consists of a complex sequence of glacial drift, glacial till, and stream deposits, which were laid down during the last Wisconsin glacial episode. Borings drilled in 1988 generally showed glacial till in the south end of the SADVA, and silt and sand with varying amounts of clay and gravel lenses in the northeast portion of the SADVA. drilling logs are provided in the *Remedial Investigation Report*.

2.5.2 Sampling Strategy

Soils, groundwater, sediments and surface water were sampled at AOC #2 during remedial investigations at SADVA conducted in 2000. Monitoring wells were installed, and hydropunches were performed to affect groundwater sampling. Test pits were conducted in the 2000 investigation, as well. The sampling focused on delineating the extent of site impacts, and used historical information developed and aerial photography included in the *Archive Search Report* (prepared by EA, 2003). Convinced that there was more investigation work that needed to be performed to properly characterize the site, members of the Restoration Advisory Board insisted that additional sampling (e.g., test pits, groundwater sampling) be performed; this additional sampling and analysis work, conducted in the Summer of 2004, indicated that, in fact, there were hazardous materials buried at the site.

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2.5.3 Sources, Types and Extent of Contamination

Prior to completing the remedial investigations, there was no written documentation about waste disposal at AOC #2. Local residents have related recollections of pits being dug and bottles and other wastes being dumped and covered over during the DoD's use of the property. Conditions at the site indicate the area was used for waste disposal, including the disposal of drums, glass bottles of liquid and pills/tablets and other waste in a portion of the 40-acre site. The wastes appear to have been disposed in trenches dug into the soil and covered over with a thin soil layer.

Many of those areas are devoid of vegetation, or have stressed vegetation covering them. Visual evidence of the disposal areas included the presence of small vials containing pills that were exposed sporadically around the area. An area of ground where standing water had been observed during rainy periods produced discolored soil and runoff. The disposal area was about 300 yards west of the onsite residence that formerly utilized a drinking water well adjacent to the house. The onsite residents have been connected for municipal water since approximately 1971 and the well is no longer in use. Sampling and analysis data are included in Section 3.2.3.6 of the *Remedial Investigation Report*, which is part of the administrative record for the site.

2.5.4 Materials Remediated

The areas targeted for the removal action, based on the site investigation and conditions described, are noted on Figure 1. Visibly impacted soils and buried commingled wastes were removed, and soils and wastes disposed of at permitted or licensed disposal facilities.

2.6 CURRENT AND POTENTIAL FUTURE SITE AND RESOURCE USES

AOC #2 has a residence onsite, and is bordered by Route 201 on the east, by residences to the north and south, and by a wetland area to the west. The land use in the immediate vicinity of AOC #2 is residential and agricultural, with a few commercial properties nearby. There is no fence or other barrier to trespassers. The Guilderland High School is located less than one mile northeast of AOC #2.

According to the 2000 census, the Town of Guilderland has a population of 32,688. The main portion of SADVA, now operated as Northeast Industrial Park, is currently zoned industrial, while most properties adjacent to the site are zoned agricultural. According to the 1983 census of agriculture, about 27.2 percent of the area in Albany County was farmed. AOC #2 is a residential property; the site is unsecured and access to the site is unrestricted. The disposal area is approximately 300 yards west of the onsite residence. Possible receptors at this site include the onsite residents, trespassers (hunters) that may gain unrestricted access to the property, and future users of the site, should the property be sold and used for residential or other purposes. The property owner typically hires a local farmer to cut grass on the property at least once per year. The property may be used for gardening or agricultural purposes, consistent with the surrounding land use.

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2.7 SUMMARY OF SITE RISKS

2.7.1 Findings of the Human Health Risk Assessment

The remedial investigation identified the presence of hazardous wastes and hazardous substance waste sources at AOC #2. The buried materials (iodine and salt pill bottles, solvent-filled bottles, paint residue, tar buckets, metallic debris and drums of oily wastes) were most likely attributable to former Depot operations. The locations of waste materials generally coincide with disturbed areas indicated on historical aerial photographs, which were taken during the Department of Defense use of the site. Sample results indicated that hazardous substances were released from the waste sources to the soil and groundwater pathways.

Based on the remedial investigations conducted in 2001 and 2004, the primary soil contaminants of concern identified were volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and metals. A groundwater sample from a well located at an adjacent property to the southwest of AOC #2 exhibited levels of iron and magnesium which exceeded groundwater standards; sodium was also detected, however, there is no maximum contaminant level identified for sodium.

The human health risk assessment, developed with data reflecting the condition of environmental media (e.g., soils, sediments, groundwater) prior to performing the removal action, identified the majority of risk at AOC #2 to be from the potential pathways of ingestion of surface soils or mixed soils, and from ingestion of groundwater. A human health risk assessment was recalculated for groundwater and soils, after the removal action was completed.

Over the period September 2005 through October 2006, wastes and impacted soils were excavated from AOC #2 and disposed of at licensed facilities. Figure 1 depicts the excavation limits of areas B, C, D and F, and area of interest (AOI) #5. After wastes and excavated soils were removed from those areas, the excavations were backfilled with clean fill and reseeded. A final report documenting removal action activities was completed in January 2007; which includes the analyses of soils at the bottom and walls of excavations, and concluded that further work was unnecessary at other AOIs identified when site excavation work was underway.

Subsequently, in April and October 2007, groundwater samples were taken from monitoring wells at the site, and analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polycyclic aromatic hydrocarbons (PAHs), metals and pesticides. In April 2007, there was sufficient surface water downgradient of the site to obtain a surface water sample, which was analyzed for the constituents noted above. The monitoring wells and the surface water sample location are depicted on Figure 1.

In May 2008, an additional groundwater sample was taken at monitoring wells PCMW-02 and MW-03, and analyzed for VOCs. A summary of analysis results of all post-removal groundwater and surface water sampling is located at Appendix 7.

Groundwater sampling and analyses evidenced no VOCs, SVOCs, PAHs or pesticides remaining (i.e., as indicated by the October 2007 results) at levels above New York State groundwater quality standards. Metals were found throughout site groundwater; however, those

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that exceeded criteria were predominantly the typical naturally occurring elements for the area (i.e., iron, magnesium and manganese).

It should be noted that none of the metals (i.e., mercury, barium, lead, nickel and zinc) found in the formerly removed wastes were present in groundwater at concentrations exceeding groundwater criteria. Iron was detected in both groundwater and surface water in excess of drinking water standards; however, site groundwater and surface water is not used for potable water. Iron may cause aesthetic concerns, but is not expected to be toxic to humans at the site. Although a pesticide compound (Heptachlor Epoxide) was found in a surface water sample (taken in April 2007), the compound was not detected in groundwater analyzed from the April and October 2007 sampling events. In May 2008, additional groundwater samples were taken from PCMW-02 and MW-03, in order to evaluate if any VOCs remain in groundwater; analyses results indicated no detection of VOC in groundwater samples taken from those monitoring wells.

A post remediation human health risk assessment for groundwater and soils was performed for groundwater and soils at AOC #2. A summary of those findings is provided as follows:

Groundwater: the general approach to conducting the human health risk assessment was to examine the analyses results for groundwater sampled subsequent to the removal action at monitoring wells PCMW-01, PCMW-02, MW-3, MW-5 and

MW-7. Based upon post remediation analyses, there were generally no unacceptable cumulative non-carcinogenic risks expected due to groundwater impacts at these well locations; carcinogenic risks were either within or below the U. S. Environmental Protection Agency (EPA) acceptable risk range; lead was found to be below the media specific screening level (MSSL); iron was detected above the EPA secondary maximum contaminant level (MCL) meaning that the water, if untreated, could be stained or have a metallic taste. It should be noted that at MW-5, it was required to examine the contribution of manganese to the non-carcinogenic risk, since manganese accounted for 93% of the total non-carcinogenic risk at that location. When target organs were considered, it was concluded that an unacceptable non-carcinogenic risk is not expected at the general location of MW-5 groundwater.

Future buildings at the site may be susceptible to vapor intrusion, but it should be noted that the absence of VOCs indicates that unacceptable human health risks due to vapor intrusion from VOCs in groundwater into indoor air are not anticipated. Further, the detected concentration of mercury at PCMW-02 is less than the vapor intrusion screening value for mercury, which has been shown to be potentially volatile; unacceptable human health risks due to vapor intrusion for mercury in groundwater into indoor air are not anticipated.

Soils: Based upon post-excavation data, no unacceptable risks were calculated for the non-carcinogenic or carcinogenic chemicals detected in soils at AOC #2. The risk ratio results were calculated for residential receptors.

2.7.2 Findings of the Screening Level Ecological Risk Assessment

AOC #2 is an unsecured site that frequently has trespassers that use the site for hunting. The property owner has reported that wildlife are often present onsite, and trespassing hunters are a

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frequent problem. The potential exists for wildlife and trespassers to be exposed to the hazardous waste and hazardous substances sources and the impacted soil, groundwater and surface water/sediment onsite. The property owner raised horses on the property in the past, and it is possible that animals could be raised on the property again, or in the future by future property owners. In the vicinity of the waste sources and seeps, vegetative cover was stressed or absent. The receiving area for waste source seeps was a wetland area that ultimately drains to Black Creek, a Class C(t) stream protected for fishing and trout habitation. The waste sources onsite posed a risk of exposure and adverse impacts to the ecological receptors noted above.

Although there were chemicals on site in various media which posed a risk to aquatic and terrestrial wildlife, AOC #2, and the former SADVA site appears to support wildlife in its current setting. Subsequent to the removal of wastes and the soils impacted by those wastes at AOC #2, the removal areas were backfilled with clean fill and reseeded; grass has been established in reseeded areas, while the swampy wetland areas have recovered with lush, naturally grown vegetation. Therefore, from an ecological standpoint, the removal action appears to have been effective.

2.8 REMEDIAL ACTION OBJECTIVES

In order to continue the site's unrestricted residential use, the objective of the removal action undertaken at AOC #2 was to remove visibly contaminated soils (containing chemicals of concern: VOCs, SVOCs and metals) and co-mingled wastes, and to dispose of them at licensed or permitted disposal facilities. Post excavation soil sampling was conducted to compare soil analysis results to the New York State Department of Environmental Conservation Technical and Administrative Guidance Memorandum (TAGM) residential soil cleanup objectives (RSCOs). If those results could not meet the RSCO values, but concentrations reached an asymptotic level, then the excavated area was backfilled.

Upon completion of the removal action, the site was restored with clean fill, seeded, and groundwater was sampled in site monitoring wells, and analyzed for VOCs, SVOCs (including low-level PAHs), pesticides and metals, with the intention of providing evidence that the removal action was effective in eliminating sources that may adversely impact groundwater.

2.9 DESCRIPTION OF ALTERNATIVES

The Engineering Evaluation/Cost Analysis (EE/CA) Report, finalized in August 2005, identified the following alternatives to be considered to address AOC #2:

- Alternative 1: No Action
- Alternative 2: Provide a soil cover for Areas B, C, D and F, grade, reseed and periodic inspection and maintenance
- Alternative 3: Removal of buried wastes/soils that were visibly contaminated with debris and/or staining; transport and dispose of wastes at licensed disposal facilities, replace excavated areas with clean fill, regrade and restore areas and periodic inspection and maintenance

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The EE/CA Report fulfilled the requirement to describe remedy components, and to present the common and distinguishing features of each alternative. Alternative 1 would not have been protective of human health and environment, as uncontrolled wastes would remain at the site, allowing for the potential of contaminant migration of contaminants. Alternative 2 would have provided some measure of protection by containing the impacted soils onsite, and minimize direct human and wildlife exposure to the soils if the areas were not disturbed. Alternative 3, the chosen alternative, removed the known impacted soil and waste materials associated with past DOD activities.

2.10 COMPARISON OF ALTERNATIVES

Section 7 of the EE/CA provided for a detailed comparison of alternatives described above. In summary, the alternatives would all be easily implemented, however, Alternative 1 would not be protective of human health and the environment, and the selection of Alternative 2 may have precluded maintaining the residential use of the property without land/deed restrictions. Public comment on the EE/CA strongly favored the selection of Alternative 3.

2.11 PRINCIPAL THREAT WASTES

The NCP establishes an expectation that treatment that reduces the toxicity, mobility, or volume of the principal threat wastes will be utilized by a remedy to the extent practicable. Although treatment was not part of the principal remedy at the AOC #2 site proper, pumpable liquids and sludges from buried waste drums unearthed at the site were shipped to licensed facilities and incinerated.

2.12 THE SELECTED RESPONSE ACTION

2.12.1 Summary of the Rationale for the Response Action.

By removing the waste sources, there was less likelihood of future migration from source areas of contaminants to soils, surface water, sediments and groundwater.

2.12.2 Description of the Response Action

The response action selected and implemented included the removal and disposal of impacted soils and buried wastes from the site at licensed facilities, and was deemed to be the most protective of human health and the environment.

2.12.3 Summary of the Estimated Response Costs

Initially, the estimated removal costs presented in the EE/CA and Action Memorandum was \$646,000, based upon removal of 1,128 cubic yards (cys) of commingled wastes/soils, transportation to licensed facilities and refilling excavation with clean fill and top soil. During the course of the work, there was an increase in the quantities of wastes and impacted soils discovered and removed [1,458 cy of impacted soils, 61 drums of wastes, 20 cys of solid waste drum husks from Area F, 40 cys of waste sludges, unanticipated dewatering costs due to unexpected rainy weather, as well as the increased costs of replacing removed soils with clean fill material]. The contractual costs for the removal action totaled \$1,201,141. There remains about \$5,000 in additional costs to properly close the five monitoring wells on the site.

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2.12.4 Outcome of the Removal Action

It is expected that there will be no future impacts to groundwater, surface waters, or environment due to the removal of wastes and impacted soils from the site. Further, it is expected that the future use of the site will be unrestricted.

2.13 STATUTORY DETERMINATIONS

2.13.1 Protection of Human Health and the Environment

Definition: This criterion determines whether an alternative eliminates, reduces, or controls exposure to the site contaminants of concern (COCs) to a level that protects public health and the environment.

Analysis: Alternative 1 offered no protection because exposures could result, since site contaminants remain in place without controls or restrictions. Alternative 2 offered some measure of protection of human health and environment by covering exposed areas, however, the contaminants would remain exposed to groundwater, and be subject to potential migration. Further, property deed restrictions would need to be put in place, which may not have allowed for unrestricted site use. Alternative 3 provides the best measure of protection to human health and environment by removing soils and wastes from defined disposal areas.

**2.13.2 Compliance with Applicable, Relevant and Appropriate Regulations
(ARARs)**

Definition: This criterion evaluates whether an alternative meets federal environmental and state environmental statute facility citing laws or regulations that establish standards, requirements or criteria that are applicable or relevant and appropriate to the cleanup of the site COCs, or whether a waiver of the ARARs is justified.

Analysis: Alternative 1 would not have complied with ARARs. By leaving contaminants in place, Alternative 2 would not have complied with ARARs. When all removal work was completed in October 2006, post-excavation soil analyses were found to have met the NYSDEC Recommended Soil Cleanup Objectives (RSCOs), except for nickel, which was demonstrated to be a background site condition (see Dr. Carson memorandum at Appendix 8).

On December 14, 2006, NYSDEC promulgated soil clean up objectives (SCOs) at 6 NYCRR Part 375. When compared to the new SCOs, the post-excavation results for pesticides in soils met the residential objective, but not the unrestricted level. These results appear to be incidental to the normal application of pesticides on the property, since during the removal action there was no evidence of disposed containers of pesticide wastes. Arsenic was found at two sampling locations (at 13.2 and 13.3 mg/kg), slightly exceeding the new unrestricted level of 13.0 mg/kg; however, the arsenic level was within the level of site background and met the new residential SCO. Methyl ethyl ketone (at 0.19 mg/kg) was found above the unrestricted SCO of 0.12 mg/kg in one sample; however, it was well within the new residential SCO of 100 mg/kg. It should be noted that methyl ethyl ketone was not detected in follow up post-excavation groundwater and surface water analyses.

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Groundwater sampling and analyses evidenced no VOCs, SVOCs, PAHs or pesticides remaining (i.e., as indicated by the October 2007 results) at levels above New York State groundwater quality guidance standards for Class GA waters (i.e., the *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations Technical and Operational Guidance Series (T.O.G.S.) 1.1.1.*, NYSDEC, October 1998) or Federal Safe Drinking Water Act (42 U.S.C. § 300f-j) MCLs. According to NYSDEC standards, all fresh groundwater in New York State is classified as “Class GA.”

Metals were found throughout site groundwater. However, those that exceeded criteria were predominantly the typical naturally occurring elements for the area (i.e., iron, magnesium and manganese). There are recommended standards for iron and manganese in the National Secondary Drinking Water Regulations, but these are not enforceable limits. There are no drinking water standards for magnesium. The New York State Department of Health, Subpart 5-1, “Public Drinking Water Standards” states that if iron and manganese are present, the total concentration of both should not exceed 0.5 mg/L. Higher levels may be allowed by the State when justified by the supplier of water, as the standard has been issued for aesthetic, not health-based reasons. The water derived from monitoring wells at this site do not constitute a public water supply, therefore, the standards do not apply in this case. It should be noted that none of the metals (i.e., mercury, barium, lead, nickel and zinc) found in the formerly removed wastes were present in groundwater at concentrations exceeding groundwater criteria. Iron was detected in both groundwater and surface water in excess of secondary drinking water standards, however, site groundwater and surface water is not used for potable water. Iron may cause aesthetic concerns, but is not expected to be toxic to humans at the site. Although a pesticide compound (Heptachlor Epoxide) was found in a surface water sample (taken in April 2007), the compound was not detected in groundwater analyzed from the April and October 2007 sampling events. In May 2008, additional groundwater samples were taken from PCMW-02 and MW-03, in order to evaluate if any VOCs remain in groundwater; analyses results indicated no detection of VOCs in groundwater samples taken from those monitoring wells.

The unrestricted soil SCOs were infrequently exceeded, the risk assessments conclude that no unacceptable risks remain for soils or groundwater, and there is an absence of contaminants in groundwater sampled subsequent to the removal action. Per a message from John Swartwout, P.E. (NYSDEC Chief, Section C, Remedial Bureau A, Division of Environmental Remediation) dated Oct. 13, 2009, NYSDEC has determined that this area is not in violation of the SCOs: (1) NYDEC has stated that AOC #2 is not a Class 2 site on the New York State Registry of Inactive Hazardous Waste Disposal Sites (Registry) and is therefore not directly subject to the State Superfund Program's cleanup requirements. (2) Although NYDEC compares each individual post-excavation sampling result with the cleanup goals, it does not consider a small number of exceedences to be significant unless they exceed the goals by a large margin. (3) NYSDEC and its sister agency, the New York State Department of Health, do not believe that the low levels of residual pesticide compounds found at the site (within the TAGM-4046 guidance used at the time but exceeding Part 375 unrestricted use SCOs) are indicative of hazardous waste disposal or are a sufficient threat to necessitate further remediation or use restrictions. As pesticides were never identified as one of the wastes disposed at the Post Commander's Landfill and the levels

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are low, it concludes that they are likely related to past agricultural practices, and not waste disposal. Accordingly, the removal action was successful, and further cleanup is not required.

2.13.3 Long Term Effectiveness and Permanence

Definition: This criterion considers the capacity of an alternative to maintain long-term protection of human health and the environment over time.

Analysis: Improvement in groundwater and soils quality has already been demonstrated subsequent to the removal of wastes and impacted soils from the site.

2.13.4 Reduction of Toxicity, Mobility, or Volume Through Treatment

Definition: The NCP establishes an expectation that treatment that reduces the toxicity, mobility, or volume of the principal threat wastes will be utilized by a remedy to the extent practicable. This criterion evaluates the capacity of treatment associated with a given alternative to reduce the harmful effects of the principal contaminants, their capacity to move in the environment, and the amount of contamination present.

Analysis: Although Alternative 3 did not address contaminants primarily through treatment, some of the waste (i.e., sludges) were disposed of via incineration, and other wastes were sent to licensed disposal facilities, where their disposition is a more controlled setting.

2.13.5 Short-Term Effectiveness

Definition: This criterion considers the length of time required to implement the alternative, and the risks posed to workers, residents, and the environment during implementation.

Analysis: Alternative 1 would have taken no time to implement, and would not have provided protection of human health and the environment. Alternative 2 may have been accomplished in less time than Alternative 3, however, Alternative 2 would not have led to future unrestricted use of the site.

2.13.6 Implementability

Definition: This criterion considers the technical and administrative feasibility of implementing the alternative, including the factors of relative availability of goods and services.

Analysis: All alternatives would have been readily implementable.

2.13.7 Cost

Definition: This criterion includes an estimate of the capital, annual operations, and present-worth costs. Present-worth cost is the total cost of an alternative over time in terms of today's dollars. Cost estimates are expected to be accurate within a range of +50% to -30%.

Analysis: The estimated costs of Alternatives 1, 2 & 3 were: \$0, \$320,000 and \$646,000. Although the most expensive alternative (3) was chosen, it was the alternative that afforded the most current and potential protection of human health and environment.

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2.13.8 State Acceptance

Definition: This criterion considers whether the State agrees with, opposes, or has no comment on the Preferred Alternative.

Analysis: NYSDEC has reviewed the proposed remedy for this AOC, and finds that the removal action was successful and that no further action is required

2.13.9 Community Acceptance

Definition: This criterion considers whether the local community agrees with the Preferred Alternative. Comments received during the Public Comment Period are an important indicator of community acceptance.

Analysis: The public firmly supported Alternative 3, and has been satisfied with its implementation. There have been no objections to the proposed plan of no further action at AOC #2.2.13.10 Five Year Review Requirements

Given that NYSDEC has accepted the removal action at the unrestricted level, five year reviews are not necessary (email from John Swartwout, NYSDEC, dated October 13, 2009). Therefore, the groundwater monitoring wells at AOC #2 will be properly closed.

3. RESPONSIVENESS SUMMARY

COMMENTS: E-mail dated November 25, 2008 from Ms. Heather Bishop, New York State Department of Environmental Conservation:

“The New York State Department of Environmental Conservation has reviewed the Proposed Plan for AOC2 at the Former Schenectady Army Depot in Altamont, NY (ID# 401009). Based upon this review, the Department has the following comment to provide:

In the analysis of the soil and sediment results, the soil analysis should be compared to New York State 6 NYCRR Part 375 Soil Cleanup Objectives for Unrestricted Use.

(Website: http://www.dec.ny.gov/docs/remediation_hudson_pdf/techsuppdoc.pdf).

Any sediment analysis should be compared to NYSDEC Division of Fish, Wildlife and Marine Resources Technical Guidance for Screening Contaminated Sediments (Table 2) (Website: http://www.dec.ny.gov/docs/wildlife_pdf/seddoc.pdf). A copy of both standards is included in the attachment to this letter. If New York State's standards are found to be the most stringent, the comparison of the soil and sediment results should be made in accordance with New York State's standards.

Please also add the data results tables to the proposed plan so that the reader does not have to reference past reports to obtain the data.”

RESPONSE: We have compared all soil results to the New York State 6 NYCRR Part 375 Soil Cleanup Objectives (SCOs) for Unrestricted Use, and the tables included with this Decision Document include the Part 375 SCOs for unrestricted use. Further, the previous sediment results shown on Figure 2 were compared to the Table 2 values of the NYSDEC Division of Fish, Wildlife and Marine Resources Technical Guidance for Screening Contaminated Sediments.

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As discussed in Section 2.13.2, per John Swartwout of NYDEC (Oct. 13, 2009), this particular site is not in violation of the SCOs.

COMMENT: At public meeting of December 9, 2008 and via letter dated April 2, 2009 from Mr. Charles Rielly, Acting Community Co-Chairman, FSADVA RAB:

“Where did the mercury come from?”

RESPONSE: The source of mercury is unknown.

COMMENT: Mr. Charles Rielly at public meeting of December 9, 2008:

“Were solvents related to the Depot’s operation of cleaning parts?”

RESPONSE: It is uncertain which operations the materials came from, but solvent-related materials were removed from all areas identified.

COMMENT(S): From Mr. Ted Ausfeld at public meeting of December 9, 2008:

“At the very beginning, the State of New York and the Corps said nothing was there. It boils down to the contamination was there, the Corps cleaned it up, and AOC #2 is no longer contaminated.”

RESPONSE: The U. S. Army Corps of Engineers offered to conduct a site walk at AOC #2 with Mr. Ausfeld, and other interested parties. Subsequent to the site walk, the Corps agreed to perform additional investigation work at the property, which resulted in a Corps recommendation and decision to implement a removal action.

COMMENTS: Letter dated January 8, 2009 from Mrs. Joan Burns, owner of AOC #2:

“I have been a member of the Restoration Advisory Board (RAB) since its creation. Mr. Gregory Goepfert of the U. S. Army Corps of Engineers is a well organized leader that keeps its members well informed, runs a very thorough meeting and follows through. He is always readily available when one has questions or needs clarification on an issue. Mr. Charles Rielly and Mr. Ted Ausfeld, Co-chairs, have given an enormous amount of their time and energy as well as their expertise serving on the RAB. They were always well-informed and knowledgeable and certainly demonstrated their leadership abilities. As an owner of AOC #2, I have had first hand experience working with Mr. Goepfert, Mr. Rielly and Mr. Ausfeld. They, as well as other members of the RAB, have been well-informed and helpful. I appreciate that the clean up was done for my property. A thank you to everyone involved.”

RESPONSE: Thank you for your comments, Mrs. Burns.

COMMENT: E-mail dated March 31, 2009 from Ms. Heather Bishop, New York State Department of Environmental Conservation:

“There are no additional New York State Department of Health (NYSDOH) comments on the AOC 2 [Proposed Plan], in addition to my e-mail of 11/25/2008.”

RESPONSE: Thank you, Ms. Bishop.

DECISION DOCUMENT
FORMER SCHENECTADY ARMY DEPOT
AREA OF CONCERN #2:
BIVOUAC AREA / POST COMMANDER'S LANDFILL

REFERENCES

Investigation Report –Archival Search, Former Schenectady Army Depot—Voorheesville Area,
by EA for the U. S. Army Corps of Engineers, May 2003.

Engineering Evaluation / Cost Analysis, Former Bivouac Area / Post Commander's Landfill
(Area of Concern 2), Former Schenectady Army Depot—Voorheesville Area Formerly
Used Defense Site, Guilderland, New York, Final Version, by Parsons for the U. S. Army
Corps of Engineers, August 2005.

Action Memorandum: Non-Time Critical Removal Action, Former Schenectady Army Depot—
Voorheesville Area, Area of Concern #2, by Gregory J. Goepfert, Project Manager and
approved by Colonel Richard J. Polo, Jr., District Engineer, U. S. Army Corps of
Engineers, New York District, August 10, 2005.

Final Project Report, Former Schenectady Army Depot, Former Bivouac Area / Post
Commander's Landfill, Area of Concern #2, by Shaw Environmental for the U. S. Army
Corps of Engineers, January 2007.

Remedial Investigation Report, Former Schenectady Army Depot—Voorheesville Area,
Guilderland, New York, by Parsons for the U. S. Army Corps of Engineers, September
2007.

Post Removal Groundwater and Surface Water Sampling Report for October 2007, Area of
Concern No. 2, by Shaw Environmental for the U. S. Army Corps of Engineers, January
2008.

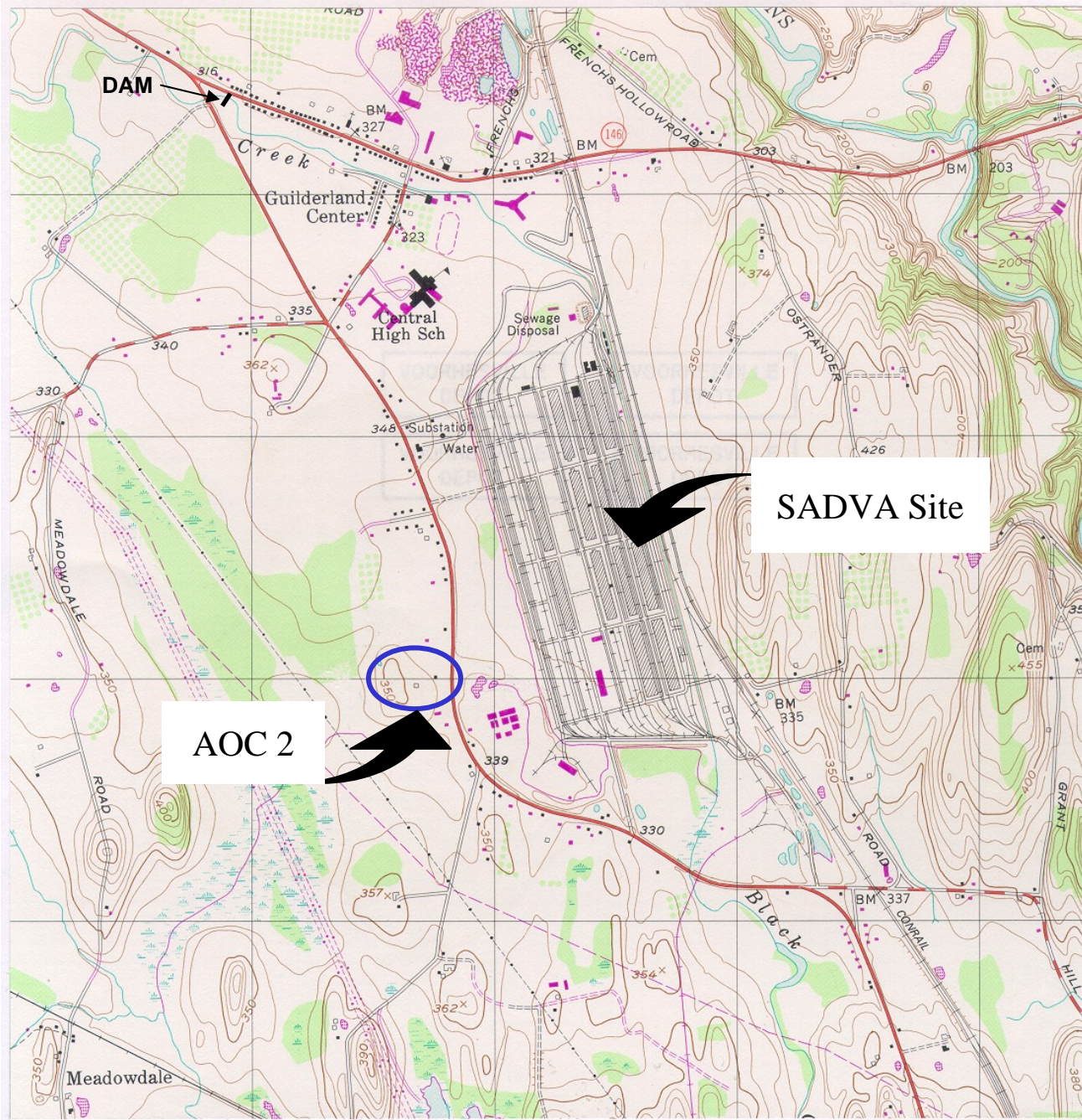
Groundwater Supplement to Appendix A1, Post Remediation Human Health Risk Assessment at
AOC 2, Remedial Investigation Report for Former Schenectady Army Depot-
Voorheesville Area (SADVA), by Parsons for the U. S. Army Corps of Engineers, April
2008.

Post-Removal Groundwater Sampling Report, Area of Concern (AOC) No. 2, Former
Schenectady Army Depot – Voorheesville Area, Guilderland, New York, by Parsons for
the U. S. Army Corps of Engineers, May 2008.

APPENDICES

APPENDIX 1

FIGURES



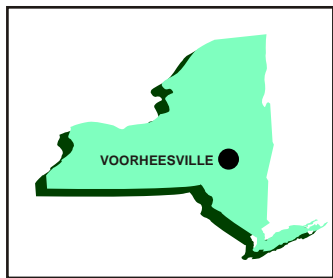
SADVA Site

AOC 2

FIGURE A1.1

SADVA
GUILDERLAND, NEW YORK

SITE VICINITY



New York
Quadrangle



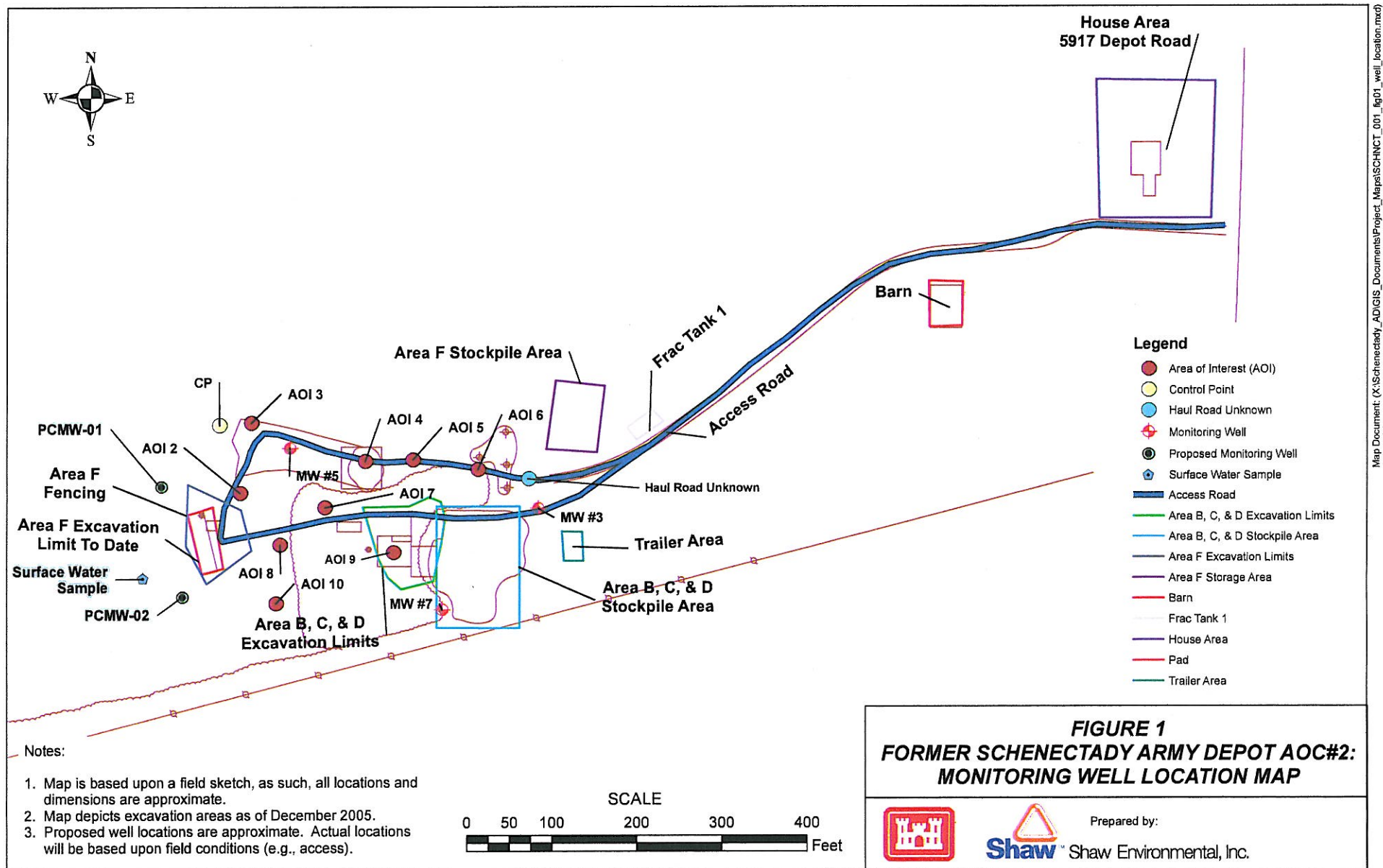
LATITUDE: N42° 15' 20"
LONGITUDE: W75° 14' 38"

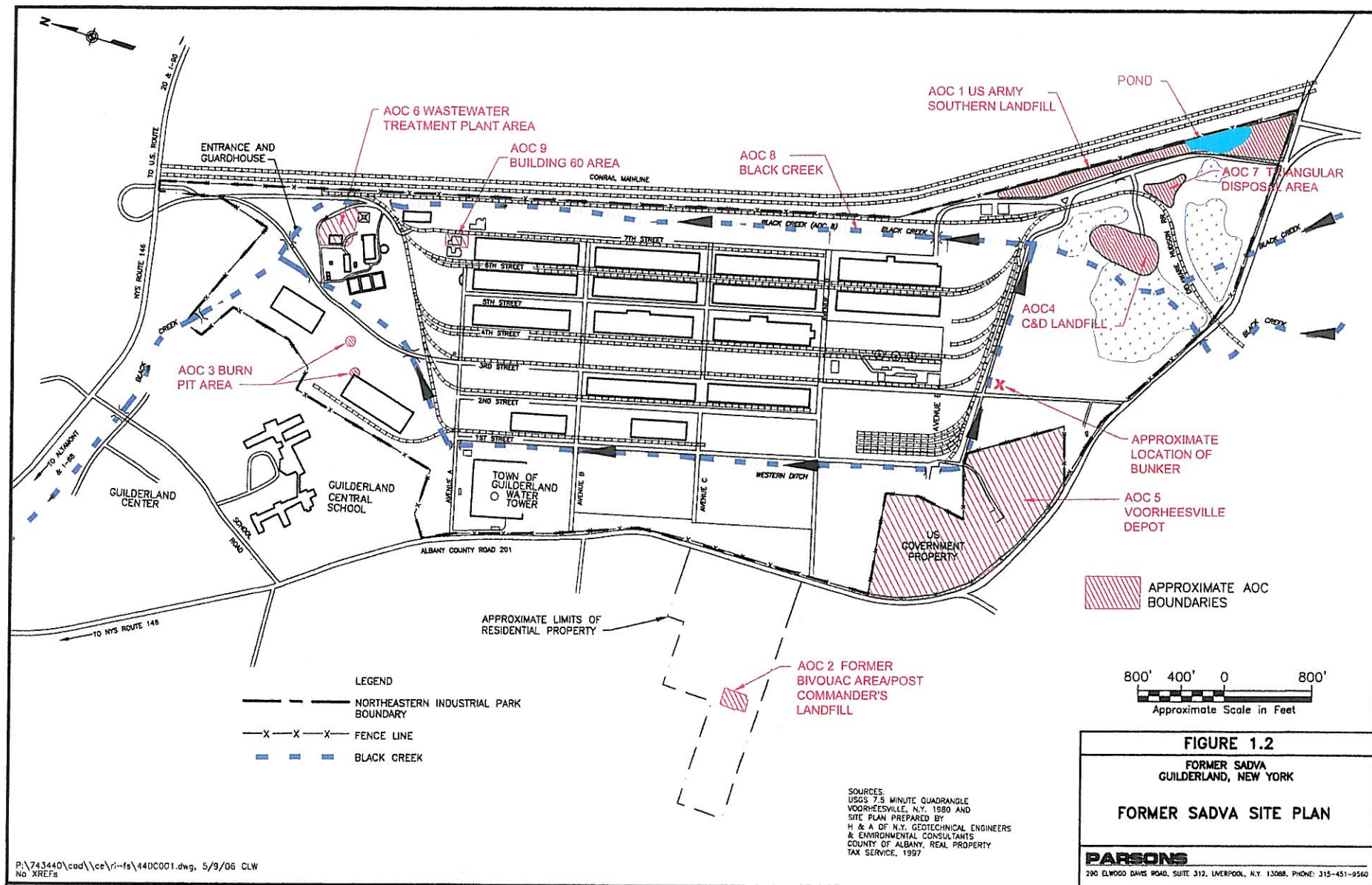
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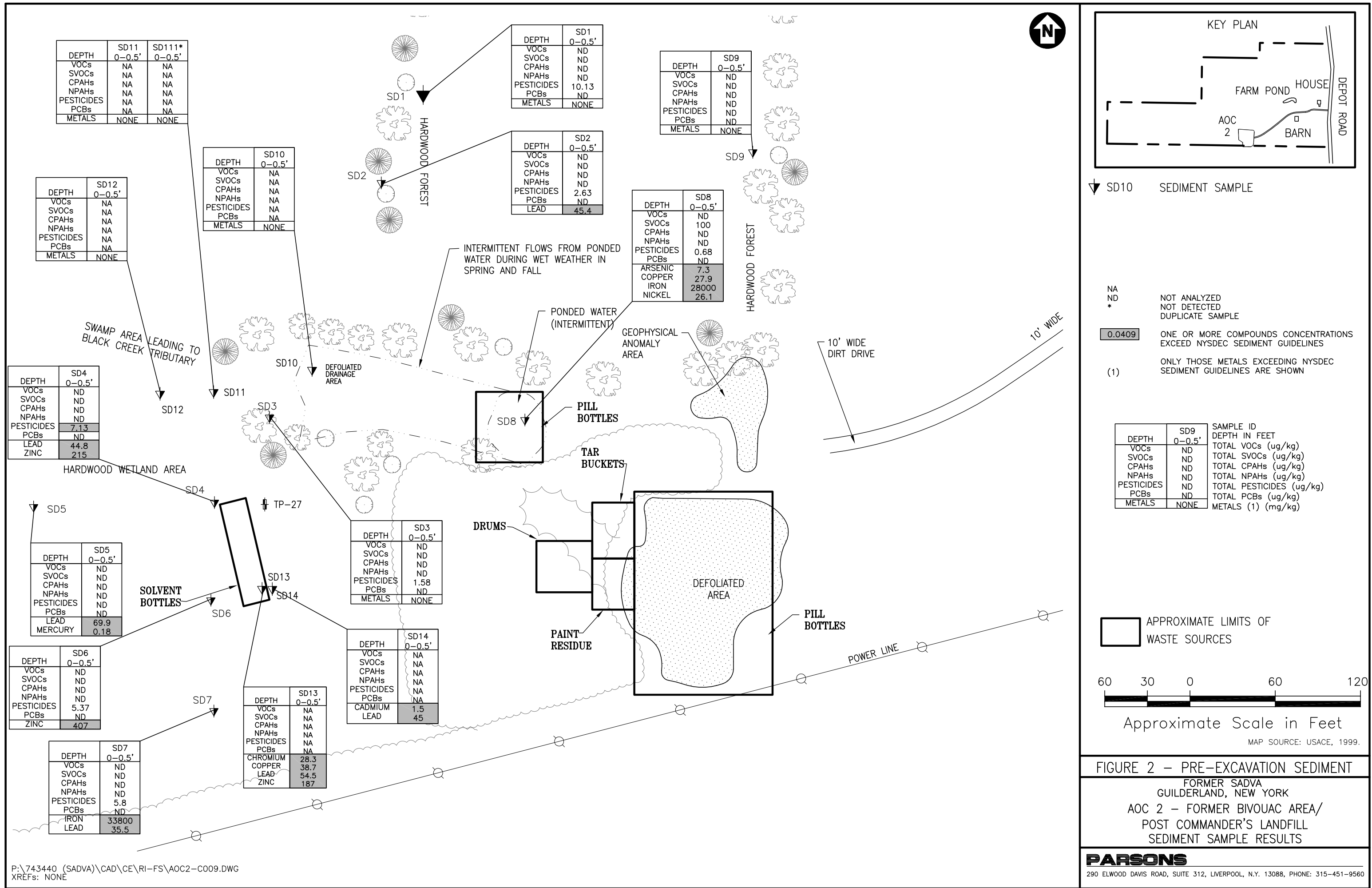
Approximate Scale in Feet

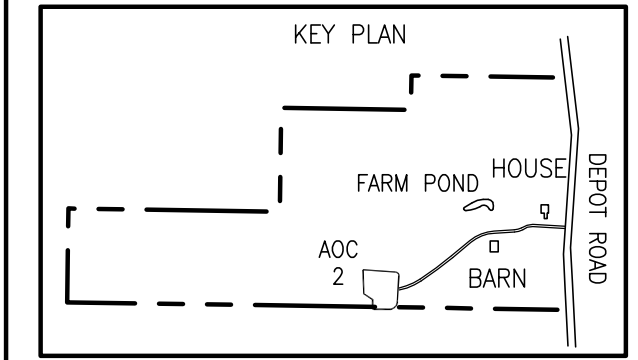
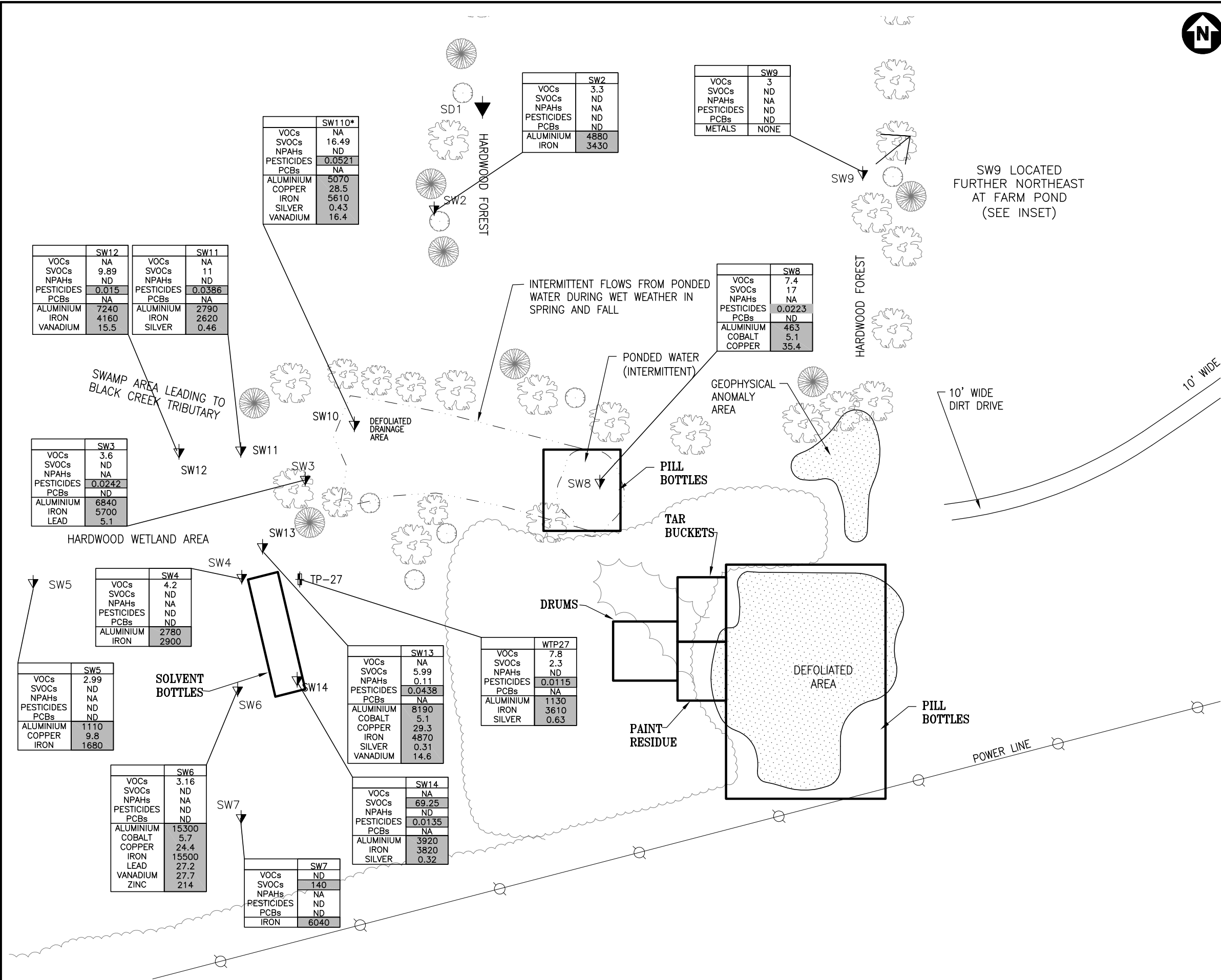
PARSONS

290 ELWOOD DAVIS ROAD, SUITE 312, LIVERPOOL, NY 13088 PHONE: (315) 451-9560









SW10 SURFACE WATER SAMPLE

NA NOT ANALYZED
ND NOT DETECTED
* DUPLICATE SAMPLE

0.0409 ONE OR MORE COMPOUNDS CONCENTRATIONS EXCEED NYSDEC SURFACE WATER STANDARDS/GUIDANCE VALUES

(1) ONLY THOSE METALS EXCEEDING NYSDEC SURFACE WATER STANDARDS/GUIDANCE VALUES ARE SHOWN.

	SW9	SAMPLE ID
VOCs	3	TOTAL VOCs (ug/L)
SVOCs	ND	TOTAL SVOCs (ug/L)
NPAHs	NA	TOTAL NPAHs (ug/L)
PESTICIDES	ND	TOTAL PESTICIDES (ug/L)
PCBs	ND	TOTAL PCBs (ug/L)
METALS	NONE	METALS (1) (ug/L)

APPROXIMATE LIMITS OF WASTE SOURCES



FIGURE 3 - PRE-EXCAVATION SURFACE WATER

FORMER SADVA
GUILDERLAND, NEW YORK
AOC 2 - FORMER BIVOUAC AREA/
POST COMMANDER'S LANDFILL
SURFACE WATER SAMPLE RESULTS

APPENDIX 2

AREA B, TABLES 10 THROUGH 13 / POST- EXCAVATION ANALYSES OF SOILS

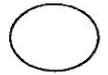
AREA B – POST EXCAVATION SOIL ANALYSIS SUMMARY

FSADVA AOC #2

All post-excavation soil analyses met the unrestricted NYSDEC Part 375 standards for metals (except nickel), SVOCs and VOCs (See following Tables 10, 11 and 12). A data analysis memorandum, at Appendix 8, notes that nickel is a background condition.

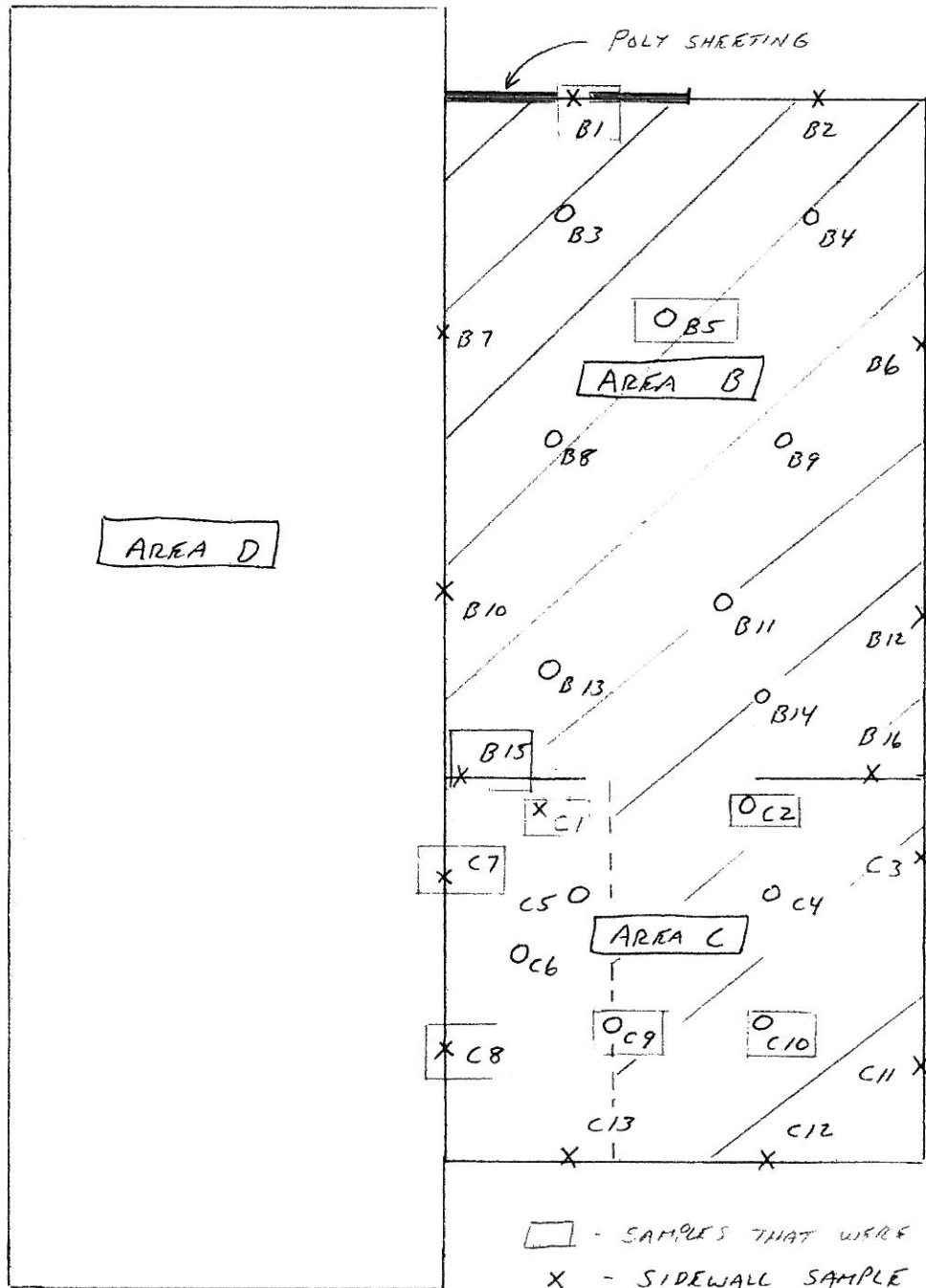
Although all final post-excavation samples analyzed for pesticides met the NYSDEC Part 375 residential standard, the unrestricted standard was not met at locations EX-B-1, 10, 12, 13, 15 and 16 (Table 13). These areas were all covered with clean fill.

The post-excavation analysis summary tables and sampling location sketches follow in this appendix.



By TPM Date 10/24/05 Subject SCHENECTADY AOC 2 Sheet No. _____ of _____

Chkd. By _____ Date _____ SAMPLE LOCATIONS Proj. No. 838360
 .25 in. X .25 in.



- AREA TO BE BACKFILLED

 - SAMPLES THAT WERE RE-COLLECTED

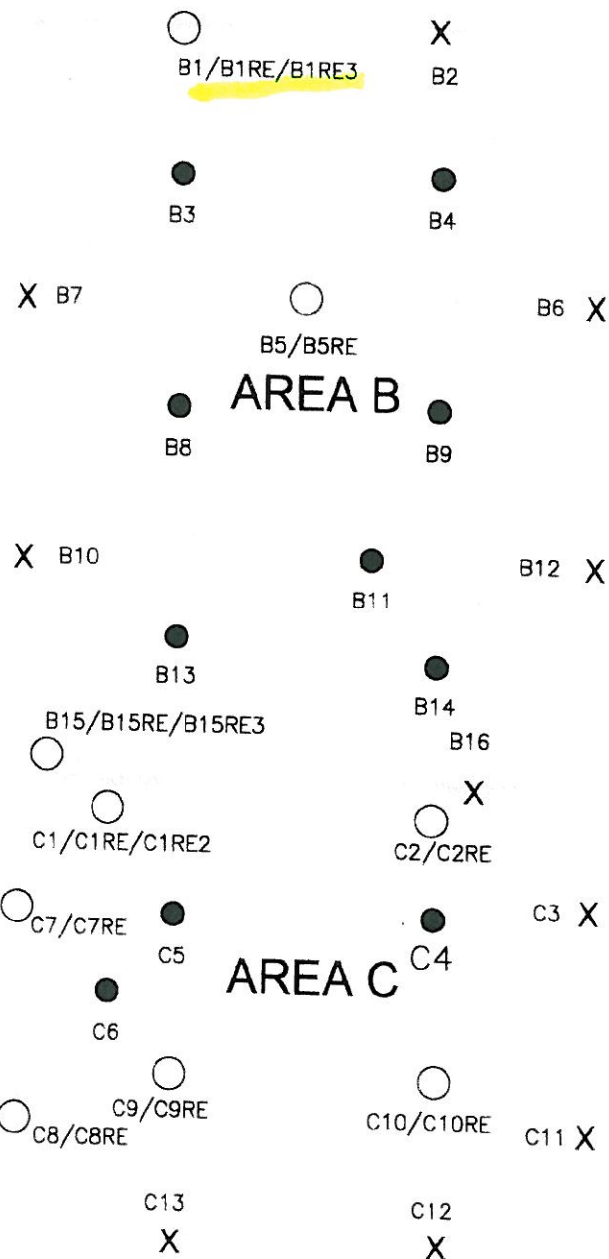
X - SIDEWALL SAMPLE

O - FLOOR SAMPLE

NOT TO SCALE

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
Pittsburgh, PA	2/21/06	T. Mathison	B. Faison	---	---	838360-A5

AREA D



LEGEND:

- RECOLLECTED SAMPLE AFTER ADDITIONAL EXCAVATION
- B3 FLOOR SAMPLE
- X B7 SIDEWALL SAMPLE

THIS DRAWING NOT TO SCALE



Shaw Shaw Environmental, Inc.



U.S. ARMY CORPS OF ENGINEERS

FIGURE 2-3

AREA B AND C SAMPLE LOCATIONS
(2005)

FORMER SCHENECTADY ARMY DEPOT - AOC2
SCHENECTADY, NEW YORK

Table 10
Area B Confirmation
Metals Results

NYSDEC Part
375
Unrestricted
Soil Cleanup
Objectives
(SCOs)

NYDEC
(mg/kg)

Metal			East US BG	Site BG (mg/kg)	EX-B-1	EX-B-2	EX-B-3	EX-B-4	EX-B-5	EX-B-6
					10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005
Aluminum	NC	SB	33000	7080-12800	16300	17300	15000	15000	16000	14600
Antimony	NC	SB	NA	0.2-0.59	0.50-J	<1.6	<1.7	<1.6	<1.6	<1.7
Arsenic	13	7.5	3-12	4.3-16.4	7.8	9.4	8.6	8.4	8.1	8.8
Barium	350	300	15-600	33-104	74.3	82.7	80.5	72.9	67.9	75.6
Beryllium	7.2	0.16	0-1.75	0.38-0.67	0.82	0.91	0.78	0.76	0.78	0.76
Cadmium	2.5	1	0-1.75	0.21-0.52	0.062-J	<0.49	<0.52	<0.48	<0.48	<0.5
Calcium	NC	SB	130-35000	1280-46600	4300	10100	16200	28100	2400	36700
Chromium	30 (TRIVALENT)	10	1.5-40	9.3-17.5	53.1	26	22.3	22.6	23.0	21.7
Cobalt	NC	30	2.5-60	5.3-12.2	13.3	15.3	12.8	13.4	12.3	13.1
Copper	50	25	1-50	13.4-26.9	38.5	49.5	45.7	42.7	40.1	42.6
Iron	NC	2000	2000-550000	14100-25700	33000	38000	33000	32400	31100	31700
Lead	63	SB	NA	16.5-60.8	204	17.5	14.7	14	19.1	14.4
Magnesium	NC	SB	100-5000	2150-13100	6470	7980	8290	8070	5350	8440
Manganese	1600	SB	50-5000	197-875	30.5	636	415	552	443	521
Mercury	0.18	0.1	0.001-0.2	0.039-0.095	0.22	0.05	<0.034	0.023	0.20	0.031
Nickel	30	13	0.5-25	10.6-24.8	30.5	37.7	30.9	31.3	26.4	30.9
Potassium	NC	SB	8500-43000	443-1660	1850	1990	1900	2060	1700	2100
Selenium	3.9	2	0.1-3.9	0.44-1.2	0.25-J	<1.6	<1.7	<1.6	0.34-J	<1.7
Silver	2	SB	NA	0.16-0.17	<0.27	<0.25	<0.026-J	<0.24	<0.24	<0.25
Thallium	NC	SB	NA	D-0.67	0.33-J	0.60-J	0.48-J	0.77-J	<2.4	0.58-J
Vanadium	NC	150	1-300	13.7-24	29.3	30.2	25.4	26.5	28.8	26.1
Zinc	109	20	9-50	46-134	178	90.6	76.9	80.9	71.9	79.1

NC - NO CRITERIA LISTED

The SCOs for unrestricted use were capped at a maximum value of 100 ppm

Values in *italics* exceed one or more criteria
Values in **bold** face exceed all criteria

AOC-2

Table 10
Area B Confirmation
Metals Results

NYSDEC Part
375
Unrestricted
Soil Cleanup
Objectives
(SCOs)

NYDEC
(mg/kg)

Metal			East US BG	Site BG (mg/kg)	EX-B-07	EX-B-8	EX-B-9	EX-B-10	EX-B-11	EX-B-12
					10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005
Aluminum	NC	SB	33000	7080-12800	17800	13300	15600	17000	15100	16400
Antimony	NC	SB	NA	0.2-0.59	<1.4	<1.3	<1.6	<1.5	<1.7	<1.6
Arsenic	13	7.5	3-12	4.3-16.4	8.6	6.4	7.8	8.3	7.2	6.8
Barium	350	300	15-600	33-104	58.5	60.2	67	79.3	81.4	58.3
Beryllium	7.2	0.16	0-1.75	0.38-0.67	0.89	0.67	0.78	0.86	0.78	0.68
Cadmium	2.5	1	0-1.75	0.21-0.52	<0.43	<0.4	<0.48	<0.46	<0.52	<0.49
Calcium	NC	SB	130-35000	1280-46600	922	20600	20300	2410	30600	1780
Chromium	30 (TRIVALENT)	10	1.5-40	9.3-17.5	24.6	19.7	22.9	23.4	22.6	25.5
Cobalt	NC	30	2.5-60	5.3-12.2	11.4	13.7	13.6	15.2	10.5	10.5
Copper	50	25	1-50	13.4-26.9	43.0	37.3	41.1	40.0	37.4	26.0
Iron	NC	2000	2000-550000	14100-25700	35000	30300	33600	33000	31100	30000
Lead	63	SB	NA	16.5-60.8	15.3	13.7	14.4	16.5	13.1	39.9
Magnesium	NC	SB	100-5000	2150-13100	5920	7610	8080	5730	8760	4880
Manganese	1600	SB	50-5000	197-875	349	605	610	717	415	484
Mercury	0.18	0.1	0.001-0.2	0.039-0.095	0.024	0.034	0.057	0.030	0.022	0.043
Nickel	30	13	0.5-25	10.6-24.8	27.4	31.0	32.0	31.7	28.2	23.5
Potassium	NC	SB	8500-43000	443-1660	1780	1720	1990	1770	2330	1350
Selenium	3.9	2	0.1-3.9	0.44-1.2	0.30-J	<1.3	<1.6	<1.5	<1.7	0.50-J
Silver	2	SB	NA	0.16-0.17	<0.21	<0.2	<0.24	<0.23	<0.26	<0.25
Thallium	NC	SB	NA	D-0.67	0.35-J	0.43-J	0.31-J	0.53-J	<2.6	0.37-J
Vanadium	NC	150	1-300	13.7-24	29.8	22.9	27.4	29	26.6	29.4
Zinc	109	20	9-50	46-134	77.1	67.2	77.8	79	72.1	69.9

NC - NO CRITERIA LISTED

The SCOs for unrestricted use were capped at a maximum value of 100 ppm

Values in *italics* exceed one or more criteria
Values in **bold** face exceed all criteria

Table 10
Area B Confirmation
Metals Results

NYSDEC Part
375
Unrestricted
Soil Cleanup
Objectives
(SCOs)

NYDEC
(mg/kg)

Metal	Objectives (SCOs)	USEC (mg/kg)	East US BG	Site BG (mg/kg)	EX-B-13	EX-B-14	EX-B-15	EX-B-16	EX-B-DUP
					10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005
Aluminum	NC	SB	33000	7080-12800	15900	15000	17300	20100	15800
Antimony	NC	SB	NA	0.2-0.59	<1.6	<1.7	<2.0	<2.1	<1.6
Arsenic	13	7.5	3-12	4.3-16.4	8.5	9.7	9.8	4.6	9.5
Barium	350	300	15-600	33-104	81.5	70.7	88.8	79.6	77.9
Beryllium	7.2	0.16	0-1.75	0.38-0.67	0.83	0.78	0.90	0.85	0.83
Cadmium	2.5	1	0-1.75	0.21-0.52	<0.48	<0.52	<0.59	0.056-J	<0.47
Calcium	NC	SB	130-35000	1280-46600	24900	24100	3100	1730	21900
Chromium	30 (TRIVALENT)	10	1.5-40	9.3-17.5	23.5	22.2	35.4	25.3	23.6
Cobalt	NC	30	2.5-60	5.3-12.2	15.2	14.2	14.9	13.2	16.4
Copper	50	25	1-50	13.4-26.9	45.2	41.4	40.9	34.3	47.8
Iron	NC	2000	2000-550000	14100-25700	34200	33900	34500	29300	34800
Lead	63	SB	NA	16.5-60.8	16.1	14.5	489	24.7	17
Magnesium	NC	SB	100-5000	2150-13100	8760	7800	5960	5670	8340
Manganese	1600	SB	50-5000	197-875	599	609	607	335	830
Mercury	0.18	0.1	0.001-0.2	0.039-0.095	0.036	0.036	0.026	0.042	0.035
Nickel	30	13	0.5-25	10.6-24.8	36.1	33.4	33.6	29.2	37.2
Potassium	NC	SB	8500-43000	443-1660	2300	2160	2130	1770	2140
Seleium	3.9	2	0.1-3.9	0.44-1.2	<1.6	<1.7	0.24-J	0.44-J	<1.6
Silver	2	SB	NA	0.16-0.17	<0.24	<0.26	<0.3	<0.31	<0.23
Thallium	NC	SB	NA	D-0.67	0.45-J	<2.6	<3.0	0.38-J	0.52-J
Vanadium	NC	150	1-300	13.7-24	28	27.6	31.6	35.3	28.2
Zinc	109	20	9-50	46-134	79.9	77.7	121	89.5	84.8

NC - NO CRITERIA LISTED

The SCOs for unrestricted use were capped at a maximum value of 100 ppm

Values in *italics* exceed one or more criteria
Values in **bold** face exceed all criteria

AOC-2

Table 10
Area B Confirmation
Metals Results

NYSDEC Part
375
Unrestricted
Soil Cleanup
Objectives
(SCOs)

NYDEC
(mg/kg)

Metal			East US BG	Site BG (mg/kg)	EX-B-1RE 10/13/2005	EX-B-5RE 10/13/2005	EX-B-15RE 10/13/2005	EX-B-15RE3 12/6/2005	EX-B-1-RE 3 12/6/2005
Aluminum	NC	SB	33000	7080-12800	17500	17800	15000	14500	14500
Antimony	NC	SB	NA	0.2-0.59	<1.8	<1.8	<1.4	<3.00	<3.00
Arsenic	13	7.5	3-12	4.3-16.4	8.3	8.6	7.6	<0.25	<0.25
Barium	350	300	15-600	33-104	65.1	71.4	61.2	22.3	22.3
Beryllium	7.2	0.16	0-1.75	0.38-0.67	0.84	0.9	0.73	0.6	0.6
Cadmium	2.5	1	0-1.75	0.21-0.52	<0.55	<0.53	<0.43	<0.25	<0.25
Calcium	NC	SB	130-35000	1280-46600	2150	2510	2240	1280	1280
Chromium	30 (TRIVALENT)	10	1.5-40	9.3-17.5	25.8	26.2	24	21.8	21.8
Cobalt	NC	30	2.5-60	5.3-12.2	12.6	12.6	13.1	9.83	9.83
Copper	50	25	1-50	13.4-26.9	34.8	40.7	29.1	35.7	35.7
Iron	NC	2000	2000-550000	14100-25700	34300	34000	31000	33200	33200
Lead	63	SB	NA	16.5-60.8	24.6	19	47.8	18.9	18.9
Magnesium	NC	SB	100-5000	2150-13100	5400	5500	5100	5090	5090
Manganese	1600	SB	50-5000	197-875	525	461	507	331	331
Mercury	0.18	0.1	0.001-0.2	0.039-0.095	0.27	0.1	0.05	<0.020	<0.020
Nickel	30	13	0.5-25	10.6-24.8	25.6	29.1	24.1	21.5	21.5
Potassium	NC	SB	8500-43000	443-1660	1590	1790	1410	552	552
Selenium	3.9	2	0.1-3.9	0.44-1.2	0.79-J	0.64-J	0.47-J	<0.25	<0.25
Silver	2	SB	NA	0.16-0.17	<0.27	<0.27	<0.22	<1.00	<1.00
Thallium	NC	SB	NA	D-0.67	1.3-J	0.97-J	0.93-J	<0.50	<0.50
Vanadium	NC	150	1-300	13.7-24	33.5	31.6	28.8	23.6	23.6
Zinc	109	20	9-50	46-134	74.6	88.3	80.2	65.1	65.1

NC - NO CRITERIA LISTED

The SCOs for unrestricted use were capped at a maximum value of 100 ppm

Values in *italics* exceed one or more criteria

Values in **bold** face exceed all criteria

Table 11
Area B Confirmation
SVOC Results

Compound	NYSDEC PART 375 UNRESTRICTED SOIL CLEANUP CRITERIA (SCOs)	NYDEC RSCO (mg/kg)	EX-B-1	EX-B-2	EX-B-3	EX-B-4	EX-B-5	EX-B-6	EX-B-7	EX-B-8	EX-B-9
			10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005
2,4,5-Trichlorophenol	NC	0.1	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
2,4-Dichlorophenol	NC	0.4	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
2,4-Dinitrophenol	NC	0.200	<0.900	<0.780	<0.740	<0.740	<0.770	<0.740	<0.790	<0.770	<0.760
2,6-Dinitrotoluene	NC	1.0	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
2-Chlorophenol	NC	0.8	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
2-Methylnaphthalene	NC	36.4	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
2-Nitroaniline	NC	0.430	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
2-Nitrophenol	NC	0.330	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
2-methylphenol	NC	0.100	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
3-Nitroaniline	NC	0.500	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
4-Chloroaniline	NC	0.220	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
4-Nitroaniline	NC	NS	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
4-Nitrophenol	NC	0.100	<0.900	<0.780	<0.740	<0.740	<0.770	<0.740	<0.790	<0.770	<0.760
4-chloro-3-methylphenol	NC	0.240	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
4-methylphenol	NC	0.9	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
Acenaphthene	20	50.0	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
Acenaphthylene	100	41.0	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
Aniline (Phenylamine, Aminobenzene)	NC	0.1	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
Anthracene	100	50.0	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
Benzo(a) anthracene	1	0.224	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
Benzo(a) pyrene	1	0.061	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
Benzo(b) fluoranthene	1	1.1	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
Benzyl Butyl Phthalate	NC	50.0	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
Chrysene	1	0.4	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
Dibenz(a,h) Anthracene	0.33	0.014	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
Dibenzofuran	NC	6.2	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
Diethyl Phthalate	NC	7.1	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
Dimethyl Phthalate	NC	2.0	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
Fluoranthene	100	50.0	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
Fluorene	30	50.0	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
Hexachlorobenzene	NC	0.41	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
Indeno(1,2,3-c,d) Pyrene	0.5	3.2	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
Isophorone	NC	4.40	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
Naphthalene	12	13.0	0.340-J	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
Nitrobenzene	NC	0.200	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
Pentachlorophenol	0.8	1.0	<0.900	<0.780	<0.740	<0.740	<0.770	<0.740	<0.790	<0.770	<0.760
Phenanthrene	100	50.0	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
Phenol	0.33	0.03	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
Pyrene	100	50	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
bis(2-ethylhexyl) phthalate	NC	50.0	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
di-n-Butyl Phthalate	NC	8.1	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380
di-n-Octyl Phthalate	NC	50.0	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380

The SCOs for unrestricted use were capped at a maximum value of 100 ppm
NC - NO CRITERIA LISTED

Table 11
Area B Confirmation
SVOC Results

NYSDEC PART 375											
Compound	UNRESTRICTED SOIL CLEANUP CRITERIA (SCOs)	NYDEC RSCO (mg/kg)	EX-B-10	EX-B-11	EX-B-12	EX-B-13	EX-B-14	EX-B-15	EX-B-16	EX-B-DUP	
			10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	
2,4,5-Trichlorophenol	NC	0.1	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
2,4-Dichlorophenol	NC	0.4	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
2,4-Dinitrophenol	NC	0.200	<0.730	<0.750	<0.740	<0.780	<0.770	<0.790	<0.920	<0.770	
2,6-Dinitrotoluene	NC	1.0	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
2-Chlorophenol	NC	0.8	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
2-Methylnaphthalene	NC	36.4	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
2-Nitroaniline	NC	0.430	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
2-Nitrophenol	NC	0.330	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
2-methylphenol	NC	0.100	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
3-Nitroaniline	NC	0.500	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
4-Chloroaniline	NC	0.220	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
4-Nitroaniline	NC	NS	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
4-Nitrophenol	NC	0.100	<0.730	<0.750	<0.740	<0.780	<0.770	<0.790	<0.920	<0.770	
4-chloro-3-methylphenol	NC	0.240	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
4-methylphenol	NC	0.9	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
Acenaphthene	20	50.0	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
Acenaphthylene	100	41.0	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
Aniline (Phenylamine, Aminobenzene)	NC	0.1	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
Anthracene	100	50.0	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
Benzo(a) anthracene	1	0.224	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
Benzo(a) pyrene	1	0.061	<0.360	<0.370	<0.370	<0.390	<0.390	0.350-J	<0.460	<0.390	
Benzo(b) fluoranthene	1	1.1	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
Benzyl Butyl Phthalate	NC	50.0	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
Chrysene	1	0.4	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
Dibenz(a,h) Anthracene	0.33	0.014	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
Dibenzofuran	NC	6.2	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
Diethyl Phthalate	NC	7.1	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
Dimethyl Phthalate	NC	2.0	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
Fluoranthene	100	50.0	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
Fluorene	30	50.0	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
Hexachlorobenzene	NC	0.41	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
Indeno(1,2,3-c,d) Pyrene	0.5	3.2	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
Isophorone	NC	4.40	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
Naphthalene	12	13.0	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
Nitrobenzene	NC	0.200	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
Pentachlorophenol	0.8	1.0	<0.730	<0.750	<0.740	<0.780	<0.770	<0.790	<0.920	<0.770	
Phenanthrene	100	50.0	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
Phenol	0.33	0.03	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
Pyrene	100	50	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
bis(2-ethylhexyl) phthalate	NC	50.0	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
di-n-Butyl Phthalate	NC	8.1	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	
di-n-Octyl Phthalate	NC	50.0	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390	

The SCOs for unrestricted use were capped at a maximum value of 100 p
NC - NO CRITERIA LISTED

Table 12
Area B Confirmation
VOC Results

NYSDEC PART 375 UNRESTRICTED SOIL CLEANUP OBJECTIVES (SCOs)			NYDEC RSCO (mg/kg)						
Compound			EX-B-1	EX-B-2	EX-B-3	EX-B-4	EX-B-5	EX-B-6	EX-B-7
			10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005
1,1,1,-Trichloroethane	0.68	0.8	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059
1,1,2,2-Tetrachloroethane	NC	0.6	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059
1,1,2-Trichloroethane	NC	NS	0.011	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059
1,1-Dichloroethane	0.27	0.2	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059
1,1-Dichloroethene	0.33	NS							
1,2-Dichlorobenzene	1.1	7.9	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059
1,2-Dichloroethane	0.02	NS							
1,3-Dichlorobenzene	2.4	1.6	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059
1,3-Dichloropropane	NC	NS							
1,4-Dichlorobenzene	1.8	8.5	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059
<i>trans</i> -1,2 Dichloroethene	0.19	0.3	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059
2-Butanone (MEK)	0.12	0.3	<0.014	<0.012	<0.011	<0.011	<0.012	<0.011	<0.012
4-Methyl-2-Pentanone (MIBK)	NC	1	<0.014	<0.012	<0.011	<0.011	<0.012	<0.011	<0.012
Acetone	0.05	0.2	<0.014	<0.012	<0.011	<0.011	<0.012	<0.011	<0.012
Benzene	0.06	0.06	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	0.0036	<0.0059
Bromomethane	NC	NS	<0.014	<0.012	<0.011	<0.011	<0.012	<0.011	<0.012
Carbon Disulfide	NC	2.7	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059
Carbon Tetrachloride	0.76	0.6	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059
Chlorobenzene	1.1	1.7	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059
Chloroethane	NC	1.9	<0.014	<0.012	<0.011	<0.011	<0.012	<0.011	<0.012
Chloroform	0.37	0.3	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059
Chloromethane	NC	NS	<0.014	<0.012	<0.011	<0.011	<0.012	<0.011	<0.012
Dibromochloromethane	NC	NS	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059
Ethylbenzene	1	5.5	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059
Freon 113	NC	6	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059
Methylene Chloride	0.05	0.1	<0.014	<0.012	<0.011	<0.011	<0.012	<0.011	<0.012
Styrene	NC	NS	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059
Tetrachloroethene	1.3	1.4	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059
Toluene	0.7	1.5	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059
Trichloroethene	0.47	0.7	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059
Vinyl Chloride	0.02	0.2	<0.014	<0.012	<0.011	<0.011	<0.012	<0.011	<0.012
Xylenes	0.26	1.2	<0.0068	<0.0058	0.0083	<0.0056	<0.0058	0.011	<0.0059

The SCOs for unrestricted use were capped at a maximum value of 100 ppm

NC - NO CRITERIA LISTED

Table 12
Area B Confirmation
VOC Results

NYSDEC PART
 375
 UNRESTRICTED
 SOIL CLEANUP
 OBJECTIVES
 (SCOs)

NYDEC
 RSCO
 (mg/kg)

Compound			EX-B-8	EX-B-9	EX-B-10	EX-B-11	EX-B-12	EX-B-13	EX-B-14
			10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005
1,1,1,-Trichloroethane	0.68	0.8	<0.0058	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058
1,1,2,2-Tetrachloroethane	NC	0.6	<0.0058	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058
1,1,2-Trichloroethane	NC	NS	<0.0058	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058
1,1-Dichloroethane	0.27	0.2	<0.0058	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058
1,1-Dichloroethene	0.33	NS							
1,2-Dichlorobenzene	1.1	7.9	<0.0058	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058
1,2-Dichloroethane	0.02	NS							
1,3-Dichlorobenzene	2.4	1.6	<0.0058	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058
1,3-Dichloropropane	NC	NS							
1,4-Dichlorobenzene	1.8	8.5	<0.0058	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058
<i>trans</i> -1,2 Dichloroethene	0.19	0.3	<0.0058	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058
2-Butanone (MEK)	0.12	0.3	<0.012	<0.011	<0.011	<0.011	<0.011	<0.012	<0.012
4-Methyl-2-Pentanone (MIBK)	NC	1	<0.012	<0.011	<0.011	<0.011	<0.011	<0.012	<0.012
Acetone	0.05	0.2	<0.012	0.020	<0.011	<0.011	<0.011	<0.012	<0.012
Benzene	0.06	0.06	<0.0058	0.0013	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058
Bromomethane	NC	NS	<0.012	<0.011	<0.011	<0.011	<0.011	<0.012	<0.012
Carbon Disulfide	NC	2.7	<0.0058	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058
Carbon Tetrachloride	0.76	0.6	<0.0058	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058
Chlorobenzene	1.1	1.7	0.024	<0.011	<0.011	<0.011	<0.011	<0.0058	<0.0058
Chloroethane	NC	1.9	<0.012	<0.011	<0.011	<0.011	<0.011	<0.012	<0.012
Chloroform	0.37	0.3	<0.0058	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058
Chloromethane	NC	NS	<0.012	<0.011	<0.011	<0.011	<0.011	<0.012	<0.012
Dibromochloromethane	NC	NS	<0.0058	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058
Ethylbenzene	1	5.5	0.013	<0.011	<0.011	<0.011	<0.011	<0.0058	<0.0058
Freon 113	NC	6	<0.0058	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058
Methylene Chloride	0.05	0.1	<0.012	<0.011	<0.011	<0.011	<0.011	<0.012	<0.012
Styrene	NC	NS	<0.0058	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058
Tetrachloroethene	1.3	1.4	<0.0058	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058
Toluene	0.7	1.5	<0.0058	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058
Trichloroethene	0.47	0.7	<0.0058	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058
Vinyl Chloride	0.02	0.2	<0.012	<0.011	<0.011	<0.011	<0.011	<0.012	<0.012
Xylenes	0.26	1.2	0.014	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058

The SCOs for unrestricted use were capped at a maximum value
 NC - NO CRITERIA LISTED

Table 12
Area B Confirmation
VOC Results

NYSDEC PART
 375
 UNRESTRICTED
 SOIL CLEANUP
 OBJECTIVES

NYDEC
 RSCO
 (mg/kg)

Compound	(SCOs)		EX-B-15	EX-B-16	EX-B-DUP	EX-B-1RE	EX-B-2RE	EX-B-4RE	EX-B-5RE
			10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005
1,1,1,-Trichloroethane	0.68	0.8	<0.0059	<0.0069	<0.0058	<0.068	<0.0058	<0.0056	<0.0058
1,1,2,2-Tetrachloroethane	NC	0.6	<0.0059	<0.0069	<0.0058	<0.068	<0.0058	<0.0056	<0.0058
1,1,2-Trichloroethane	NC	NS	<0.0059	<0.0069	<0.0058	<.140	<0.0058	<0.0056	<0.0058
1,1-Dichloroethane	0.27	0.2	<0.0059	<0.0069	<0.0058	<0.068	<0.0058	<0.0056	<0.0058
1,1-Dichloroethene	0.33	NS							
1,2-Dichlorobenzene	1.1	7.9	<0.0059	<0.0069	<0.0058	<0.068	<0.0058	<0.0056	<0.0058
1,2-Dichloroethane	0.02	NS							
1,3-Dichlorobenzene	2.4	1.6	<0.0059	<0.0069	<0.0058	<0.068	<0.0058	<0.0056	<0.0058
1,3-Dichloropropane	NC	NS							
1,4-Dichlorobenzene	1.8	8.5	<0.0059	<0.0069	<0.0058	<0.068	<0.0058	<0.0056	<0.0058
trans-1,2 Dichloroethene	0.19	0.3	<0.0059	<0.0069	<0.0058	<0.068	<0.0058	<0.0056	<0.0058
2-Butanone (MEK)	0.12	0.3	<0.012	<0.014	<0.012	<.140	<0.012	<0.011	<0.012
4-Methyl-2-Pentanone (MIBK)	NC	1	<0.012	<0.014	<0.012	<.140	<0.012	<0.011	<0.012
Acetone	0.05	0.2	<0.012	<0.014	<0.012	<.140	<0.012	<0.011	<0.012
Benzene	0.06	0.06	<0.0059	<0.0069	<0.0058	<0.068	<0.0058	<0.0056	<0.0058
Bromomethane	NC	NS	<0.012	<0.014	<0.012	<.140	<0.012	<0.011	<0.012
Carbon Disulfide	NC	2.7	<0.0059	<0.0069	<0.0058	<0.068	<0.0058	<0.0056	<0.0058
Carbon Tetrachloride	0.76	0.6	<0.0059	<0.0069	<0.0058	<0.068	<0.0058	<0.0056	<0.0058
Chlorobenzene	1.1	1.7	<0.0059	<0.0069	<0.0058	<0.068	<0.0058	<0.0056	<0.0058
Chloroethane	NC	1.9	<0.012	<0.014	<0.012	<.140	<0.012	<0.011	<0.012
Chloroform	0.37	0.3	<0.0059	<0.0069	<0.0058	<0.068	<0.0058	<0.0056	<0.0058
Chloromethane	NC	NS	<0.012	<0.014	<0.012	<.140	<0.012	<0.011	<0.012
Dibromochloromethane	NC	NS	<0.0059	<0.0069	<0.0058	<0.068	<0.0058	<0.0056	<0.0058
Ethylbenzene	1	5.5	<0.0059	<0.0069	<0.0058	<0.068	<0.0058	0.0013	<0.0058
Freon 113	NC	6	<0.0059	<0.0069	<0.0058	<0.068	<0.0058	<0.0056	<0.0058
Methylene Chloride	0.05	0.1	<0.012	<0.014	<0.012	<.140	0.002	0.0015	0.0014
Styrene	NC	NS	<0.0059	<0.0069	<0.0058	<0.068	<0.0058	<0.0056	<0.0058
Tetrachloroethene	1.3	1.4	<0.0059	<0.0069	<0.0058	<0.068	<0.0058	<0.0056	<0.0058
Toluene	0.7	1.5	<0.0059	<0.0069	<0.0058	<0.068	<0.0058	<0.0056	<0.0058
Trichloroethene	0.47	0.7	<0.0059	<0.0069	<0.0058	<0.068	<0.0058	<0.0056	<0.0058
Vinyl Chloride	0.02	0.2	<0.012	<0.014	<0.012	<.140	<0.012	<0.011	<0.012
Xylenes	0.26	1.2	<0.0059	<0.0069	<0.0058	<0.068	<0.0058	0.0094	<0.0058

The SCOs for unrestricted use were capped at a maximum value
 NC - NO CRITERIA LISTED

Table 12
Area B Confirmation
VOC Results

NYSDEC PART
 375
 UNRESTRICTED
 SOIL CLEANUP
 OBJECTIVES

NYDEC
 RSCO
 (mg/kg)

Compound	(SCOs)		EX-B-6RE	EX-B-7RE	EX-B-8RE	EX-B-10RE	EX-B-11RE	EX-B-12RE
			10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005
1,1,1,-Trichloroethane	0.68	0.8	<0.0055	<0.0059	<0.058	<0.0055	<0.0056	<0.0056
1,1,2,2-Tetrachloroethane	NC	0.6	<0.0055	<0.0059	<0.058	<0.0055	<0.0056	<0.0056
1,1,2-Trichloroethane	NC	NS	<0.0055	<0.0059	<0.058	<0.0055	<0.0056	<0.0056
1,1-Dichloroethane	0.27	0.2	<0.0055	<0.0059	<0.058	<0.0055	<0.0056	<0.0056
1,1-Dichloroethene	0.33	NS						
1,2-Dichlorobenzene	1.1	7.9	<0.0055	<0.0059	<0.058	<0.0055	<0.0056	<0.0056
1,2-Dichloroethane	0.02	NS						
1,3-Dichlorobenzene	2.4	1.6	<0.0055	<0.0059	<0.058	<0.0055	<0.0056	<0.0056
1,3-Dichloropropane	NC	NS						
1,4-Dichlorobenzene	1.8	8.5	<0.0055	<0.0059	<0.058	<0.0055	<0.0056	<0.0056
trans-1,2 Dichloroethene	0.19	0.3	<0.0055	<0.0059	<0.058	<0.0055	<0.0056	<0.0056
2-Butanone (MEK)	0.12	0.3	<0.011	<0.012	<0.120	<0.011	<0.011	<0.011
4-Methyl-2-Pentanone (MIBK)	NC	1	<0.011	<0.012	<0.120	<0.011	<0.011	<0.011
Acetone	0.05	0.2	0.0064	<0.012	<0.120	<0.011	0.0043	<0.011
Benzene	0.06	0.06	0.0043	<0.0059	<0.058	<0.0055	<0.0056	<0.0056
Bromomethane	NC	NS	<0.011	<0.012	<0.120	<0.011	<0.011	<0.011
Carbon Disulfide	NC	2.7	<0.0055	<0.0059	<0.058	<0.0055	<0.0056	<0.0056
Carbon Tetrachloride	0.76	0.6	<0.0055	<0.0059	<0.058	<0.0055	<0.0056	<0.0056
Chlorobenzene	1.1	1.7	<0.0055	<0.0059	<0.120	<0.011	<0.011	<0.011
Chloroethane	NC	1.9	<0.011	<0.012	<0.120	<0.011	<0.011	<0.011
Chloroform	0.37	0.3	<0.0055	<0.0059	<0.058	<0.0055	<0.0056	<0.0056
Chloromethane	NC	NS	<0.011	<0.012	<0.120	<0.011	<0.011	<0.011
Dibromochloromethane	NC	NS	<0.0055	<0.0059	<0.058	<0.0055	<0.0056	<0.0056
Ethylbenzene	1	5.5	0.003	<0.0059	<0.120	<0.011	<0.011	<0.011
Freon 113	NC	6	<0.0055	<0.0059	<0.058	<0.0055	<0.0056	<0.0056
Methylene Chloride	0.05	0.1	0.0017	0.0014	<0.120	0.0016	0.0013	0.0012
Styrene	NC	NS	<0.0055	<0.0059	<0.058	<0.0055	<0.0056	<0.0056
Tetrachloroethene	1.3	1.4	<0.0055	<0.0059	<0.058	<0.0055	<0.0056	<0.0056
Toluene	0.7	1.5	<0.0055	<0.0059	<0.058	<0.0055	<0.0056	<0.0056
Trichloroethene	0.47	0.7	<0.0055	<0.0059	<0.058	<0.0055	<0.0056	<0.0056
Vinyl Chloride	0.02	0.2	<0.011	<0.012	<0.120	<0.011	<0.011	<0.011
Xylenes	0.26	1.2	0.024	<0.0059	<0.058	<0.0055	<0.0056	<0.0056

The SCOs for unrestricted use were capped at a maximum value
 NC - NO CRITERIA LISTED

Table 12
Area B Confirmation
VOC Results

NYSDEC PART 375 UNRESTRICTED SOIL CLEANUP OBJECTIVES		NYDEC RSCO (mg/kg)	EX-B-13RE	EX-B-14RE	EX-B-15RE	EX-B-16RE	EX-B- DUPRE
Compound	(SCOs)		10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005
1,1,1,-Trichloroethane	0.68	0.8	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
1,1,2,2-Tetrachloroethane	NC	0.6	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
1,1,2-Trichloroethane	NC	NS	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
1,1-Dichloroethane	0.27	0.2	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
1,1-Dichloroethene	0.33	NS					
1,2-Dichlorobenzene	1.1	7.9	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
1,2-Dichloroethane	0.02	NS					
1,3-Dichlorobenzene	2.4	1.6	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
1,3-Dichloropropane	NC	NS					
1,4-Dichlorobenzene	1.8	8.5	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
<i>trans</i> -1,2 Dichloroethene	0.19	0.3	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
2-Butanone (MEK)	0.12	0.3	<0.012	<0.012	<0.012	<0.014	<0.012
4-Methyl-2-Pentanone (MIBK)	NC	1	<0.012	<0.012	<0.012	<0.014	<0.012
Acetone	0.05	0.2	<0.012	<0.012	<0.012	<0.014	<0.012
Benzene	0.06	0.06	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Bromomethane	NC	NS	<0.012	<0.012	<0.012	<0.014	<0.012
Carbon Disulfide	NC	2.7	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Carbon Tetrachloride	0.76	0.6	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Chlorobenzene	1.1	1.7	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Chloroethane	NC	1.9	<0.012	<0.012	<0.012	<0.014	<0.012
Chloroform	0.37	0.3	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Chloromethane	NC	NS	<0.012	<0.012	<0.012	<0.014	<0.012
Dibromochloromethane	NC	NS	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Ethylbenzene	1	5.5	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Freon 113	NC	6	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Methylene Chloride	0.05	0.1	0.0026	<0.012	<0.012	0.0019	<0.012
Styrene	NC	NS	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Tetrachloroethene	1.3	1.4	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Toluene	0.7	1.5	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Trichloroethene	0.47	0.7	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Vinyl Chloride	0.02	0.2	<0.012	<0.012	<0.012	<0.014	<0.012
Xylenes	0.26	1.2	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058

The SCOs for unrestricted use were capped at a maximum value
 NC - NO CRITERIA LISTED

Table 13
Area B Confirmation
Pesticide, PCB, Herbicide Results

NYSDEC PART
 375
 UNRESTRICTED
 SOIL CLEANUP
 OBJECTIVES
 (SCOs)

NYDEC
 RSCO
 (ug/kg)

Compound			EX-B-1	EX-B-2	EX-B-3	EX-B-4	EX-B-5	EX-B-6	EX-B-7	EX-B-8
			10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005
4,4-DDD	3.3	2900	6.8	<2.0	<1.9	<1.9	2.0	<1.9	<2.0	0.84-J
4,4-DDE	3.3	2100	33	0.50-J	<1.9	0.21	1.9-J	<1.9	<2.0	<1.9
4,4-DDT	3.3	2100	21	0.28-J	<1.9	<1.9	2.1	<1.9	<2.0	<1.9
Aldrin	5	41.0	<2.3	<2.0	<1.9	<1.9	<1.9	<1.9	<2.0	<1.9
Alpha-BHC	20	110	<2.3	<2.0	<1.9	<1.9	<1.9	<1.9	<2.0	<1.9
Beta-BHC	36	200	<2.3	<2.0	<1.9	<1.9	<1.9	<1.9	<2.0	<1.9
Chlordane	94	540	<45	<39	<37	<37	<39	<37	<40	<39
Delta-BHC	40	300	<2.3	<2.0	<1.9	<1.9	<1.9	<1.9	<2.0	<1.9
Dieldrin	5	44.0	<2.3	<2.0	<1.9	<1.9	<1.9	<1.9	<2.0	<1.9
Endosulfan I	2400	900	<2.3	<2.0	<1.9	<1.9	<1.9	<1.9	<2.0	<1.9
Endosulfan II	2400	900	<2.3	<2.0	<1.9	<1.9	<1.9	<1.9	<2.0	<1.9
Endosulfan Sulfate	NC	1000	<2.3	<2.0	<1.9	<1.9	<1.9	<1.9	<2.0	<1.9
Endrin	14	100	<2.3	<2.0	<1.9	<1.9	<1.9	<1.9	<2.0	<1.9
Gamma-BHC (Lindane)	NC	60.0	<2.3	<2.0	<1.9	<1.9	<1.9	<1.9	<2.0	<1.9
Heptachlor	42	100	<2.3	<2.0	<1.9	<1.9	<1.9	<1.9	<2.0	<1.9
Heptachlor Epoxide	NC	20.0	<2.3	<2.0	<1.9	<1.9	<1.9	<1.9	<2.0	<1.9
Methoxychlor	NC	NS	<2.3	<2.0	<1.9	<1.9	<1.9	<1.9	<2.0	<1.9
PCB-1016	100	1000	<23	<19	<19	<19	<19	<18	<20	<19
PCB-1221	100	1000	<23	<19	<19	<19	<19	<18	<20	<19
PCB-1232	100	1000	<23	<19	<19	<19	<19	<18	<20	<19
PCB-1242	100	1000	<23	<19	<19	<19	<19	<18	<20	<19
PCB-1248	100	1000	<23	<19	<19	<19	<19	<18	<20	<19
PCB-1254	100	1000	<23	<19	<19	<19	<19	<18	<20	<19
PCB-1260	100	1000	<23	<19	<19	<19	<19	<18	<20	<19
2,4,5-T	NC	1900	<140	<120	<110	<110	<120	<110	<120	<120
2,4,5-TP (Silvex)	3.8	700	<140	<120	<110	<110	<120	<110	<120	<120
2,4-D	NC	500	<140	<120	<110	<110	<120	<110	<120	<120

Table 13
Area B Confirmation
Pesticide, PCB, Herbicide Results

Pesticide, PCB, Herbicide Results												
NYSDEC PART 375 UNRESTRICTED SOIL CLEANUP OBJECTIVES			NYDEC RSCO	EX-B-10					EX-B-15			
Compound	(SCOs)	(ug/kg)	EX-B-9	DL	EX-B-11	EX-B-12	EX-B-13	EX-B-14	DL	EX-B-16	EX-B-DUP	
			10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	
4,4-DDD	3.3	2900	0.29-J	57	<1.9	0.60-J	4.2	<1.9	240	0.71-J	<1.9	
4,4-DDE	3.3	2100	0.74-J	52	<1.9	4.6	1.2-J	<1.9	40	3.2	<1.9	
4,4-DDT	3.3	2100	2.0	160	<1.9	14	5.2	0.39-J	390	4.2	<1.9	
Aldrin	5	41.0	<1.9	<18	<1.9	<1.9	<1.9	<1.9	<20	<2.3	<1.9	
Alpha-BHC	20	110	<1.9	<18	<1.9	<1.9	<1.9	<1.9	<20	<2.3	<1.9	
Beta-BHC	36	200	<1.9	<18	<1.9	<1.9	<1.9	<1.9	<20	<2.3	<1.9	
Chlordane	94	540	<38	<360	<37	<37	<39	<38	<390	<46	<39	
Delta-BHC	40	300	<1.9	<18	<1.9	<1.9	<1.9	<1.9	<20	<2.3	<1.9	
Dieldrin	5	44.0	<1.9	<18	<1.9	<1.9	<1.9	<1.9	<20	<2.3	<1.9	
Endosulfan I	2400	900	<1.9	<18	<1.9	<1.9	<1.9	<1.9	<20	<2.3	<1.9	
Endosulfan II	2400	900	<1.9	<18	<1.9	<1.9	<1.9	<1.9	<20	<2.3	<1.9	
Endosulfan Sulfate	NC	1000	<1.9	<18	<1.9	<1.9	<1.9	<1.9	<20	<2.3	<1.9	
Endrin	14	100	<1.9	<18	<1.9	<1.9	<1.9	<1.9	<20	<2.3	<1.9	
Gamma-BHC (Lindane)	NC	60.0	<1.9	<18	<1.9	<1.9	<1.9	<1.9	<20	<2.3	<1.9	
Heptachlor	42	100	<1.9	<18	<1.9	<1.9	<1.9	<1.9	<20	<2.3	<1.9	
Heptachlor Epoxide	NC	20.0	<1.9	<18	<1.9	<1.9	<1.9	<1.9	<20	<2.3	<1.9	
Methoxychlor	NC	NS	<1.9	<18	<1.9	<1.9	<1.9	<1.9	<20	<2.3	<1.9	
PCB-1016	100	1000	<19	<18	<19	<19	<19	<19	<20	<23	<19	
PCB-1221	100	1000	<19	<18	<19	<19	<19	<19	<20	<23	<19	
PCB-1232	100	1000	<19	<18	<19	<19	<19	<19	<20	<23	<19	
PCB-1242	100	1000	<19	<18	<19	<19	<19	<19	<20	<23	<19	
PCB-1248	100	1000	<19	<18	<19	<19	<19	<19	<20	<23	<19	
PCB-1254	100	1000	<19	<18	<19	<19	<19	<19	<20	<23	<19	
PCB-1260	100	1000	<19	<18	<19	<19	<19	<19	<20	<23	<19	
2,4,5-T	NC	1900	<110	<110	<110	<110	<120	<120	<120	<140	<120	
2,4,5-TP (Silvex)	3.8	700	<110	<110	<110	<110	<120	<120	<120	<140	<120	
2,4-D	NC	500	<110	<110	<110	<110	<120	<120	<120	<140	<120	

APPENDIX 3

AREA C, TABLES 6 THROUGH 9 / POST- EXCAVATION ANALYSES OF SOILS

AREA C – POST EXCAVATION SOIL ANALYSIS SUMMARY

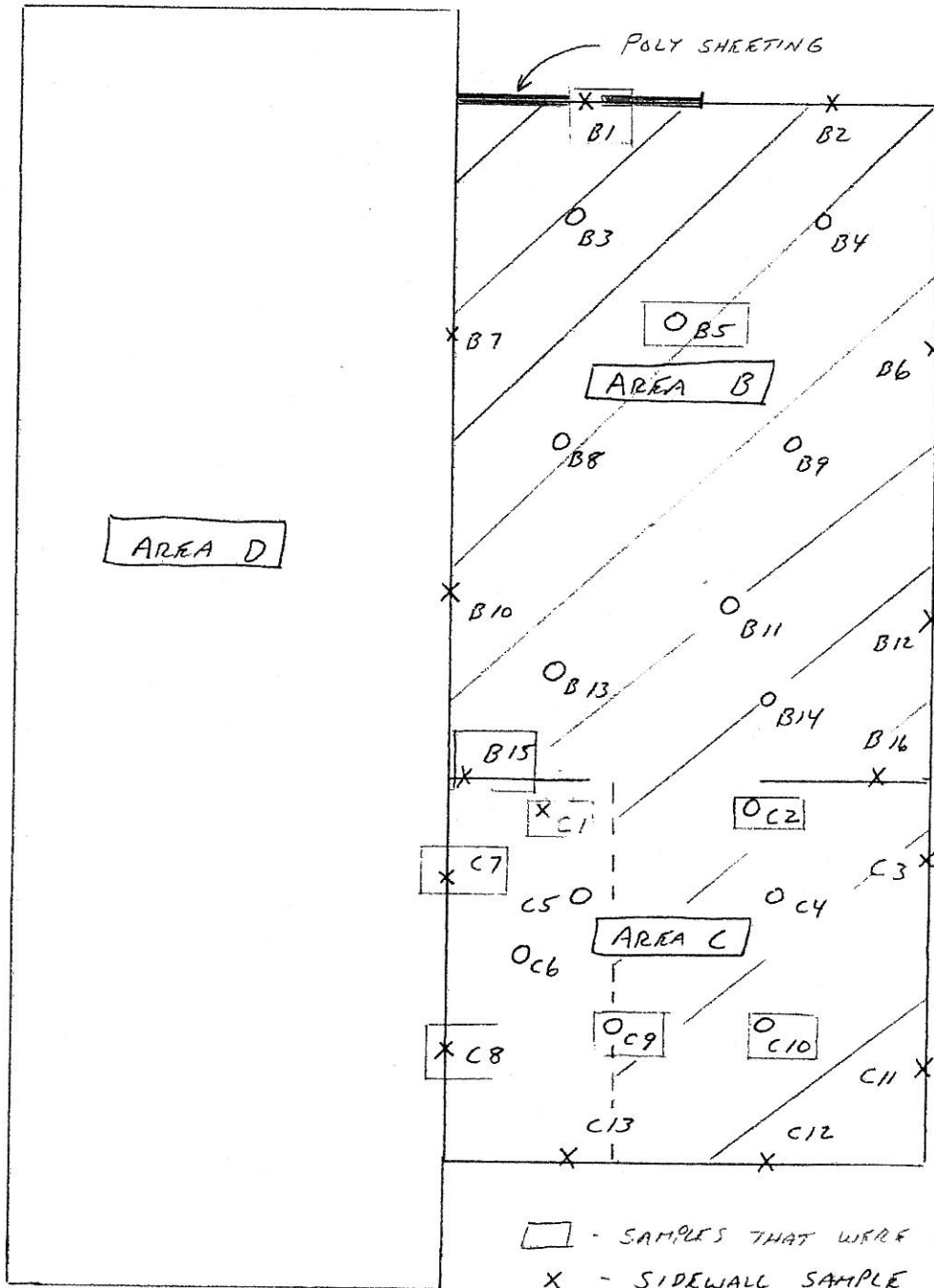
FSADVA AOC #2


All post-excavation soil analyses met the unrestricted NYSDEC Part 375 standards for metals (except nickel), SVOCs and VOCs (See following Tables 6, 7 and 8). A data analysis memorandum, at Appendix 8, notes that nickel is a background condition. The sidewall soils were removed and disposed from the excavation where low levels of mercury were detected at EX-C-7RE and EX-C-8RE.


Although all final post-excavation samples analyzed for pesticides met the NYSDEC Part 375 residential standard, the unrestricted standard was not met at location EX-C-6 (Table 9). This area was at the excavation bottom and was covered with clean fill.

The post-excavation summary tables and sampling location sketches follow in this appendix.

By TPM Date 10/24/05 Subject SCHEMATIC AOC 2 Sheet No. _____ of _____
 Chkd. By _____ Date _____ SAMPLE LOCATIONS Proj. No. 838360
 .25 in. X .25 in.



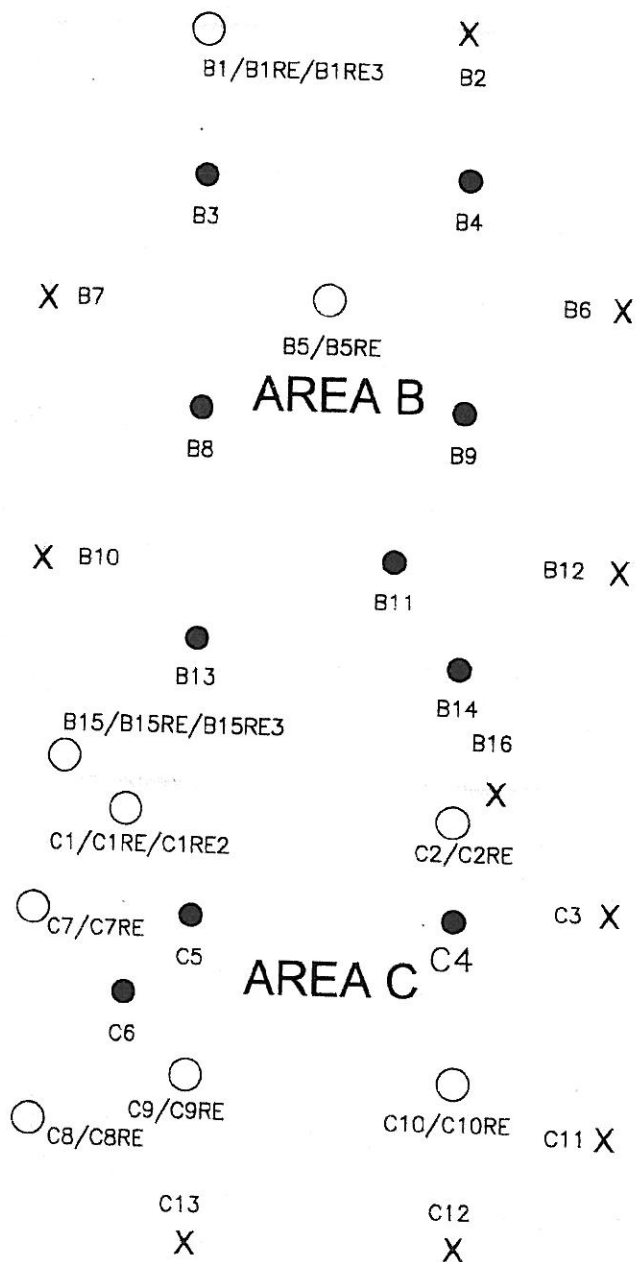
 - AREA TO BE BACKFILLED

 - SAMPLES THAT WERE RE-COLLECTED
 X - SIDEWALL SAMPLE
 O - FLOOR SAMPLE




NOT TO SCALE

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
Pittsburgh, PA	2/21/06	T. Mathison	B. Faison	---	---	838360-A5

AREA D



LEGEND:

-  RECOLLECTED SAMPLE
AFTER ADDITIONAL EXCAVATION
-  FLOOR SAMPLE
-  SIDEWALL SAMPLE

THIS DRAWING NOT TO SCALE



Shaw Shaw Environmental, Inc.



U.S. ARMY CORPS OF ENGINEERS

FIGURE 2-3

AREA B AND C SAMPLE LOCATIONS
(2005)

FORMER SCHENECTADY ARMY DEPOT - AOC2
SCHENECTADY, NEW YORK

Table 6
Area C Confirmation
Metals Results

NYSDEC Part 375
 Unrestricted Soil

Cleanup
 Objectives
 (SCOs)

NYDEC
 (mg/kg)

East US BG

Site BG
 (mg/kg)

EX-C-1

EX-C-2

EX-C-3

EX-C-4

EX-C-5

EX-C-6

Metal					9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005
Aluminum	NC	SB	33000	7080-12800	18300	18000	18200	18900	17000	17500
Antimony	NC	SB	NA	0.2-0.59	<1.9	<1.6	<1.8	<1.6	<1.5	<1.8
Arsenic	13	7.5	3-12	4.3-16.4	9	10.4	7.6	9.8	7.6	7.2
Barium	350	300	15-600	33-104	97.4	150	75.5	99.4	76.6	78.7
Beryllium	7.2	0.16	0-1.75	0.38-0.67	0.95	0.83	0.79	0.97	0.82	0.79
Cadmium	2.5	1	0-1.75	0.21-0.52	0.34-J	0.6	0.36-J	0.36-J	0.43-J	0.23-J
Calcium	NC	SB	130-35000	1280-46600	6970	24800	1560	7810	20100	2650
Chromium	30 (TRIVALENT)	10	1.5-40	9.3-17.5	29	172	22.6	25.9	23.7	24.4
Cobalt	NC	30	2.5-60	5.3-12.2	16.1	15.4	12.6	14.3	13.6	12.1
Copper	50	25	1-50	13.4-26.9	42.8	48.9	26.9	39.7	41.2	32.2
Iron	NC	2000	2000-550000	14100-25700	37400	44200	31700	36800	33500	31200
Lead	63	SB	NA	16.5-60.8	64.5	960	18	16.7	17.2	30
Magnesium	NC	SB	100-5000	2150-13100	7380	7860	4900	7200	7600	5360
Manganese	1600	SB	50-5000	197-875	641	590	580	638	536	511
Mercury	0.18	0.1	0.001-0.2	0.039-0.095	0.16	0.17	0.030-J	0.045	0.033-J	0.071
Nickel	30	13	0.5-25	10.6-24.8	37.8	37.3	24.7	34.1	30.4	27.4
Potassium	NC	SB	8500-43000	443-1660	2330	2670	1720	2360	2310	1960
Selenium	3.9	2	0.1-3.9	0.44-1.2	0.87-J	0.99-J	0.83-J	0.50-J	0.38-J	0.75-J
Silver	2	SB	NA	0.16-0.17	<0.47	<0.40	<0.45	<0.4	<0.38	<0.44
Thallium	NC	SB	NA	ND-0.67	<2.8	<2.4	<2.7	<2.4	<2.3	<2.6
Vanadium	NC	150	1-300	13.7-24	31.9	29.3	32.8	32.6	28.9	31.1
Zinc	109	20	9-50	46-134	96.8	81.4	75.5	95.1	84.8	80.1

NC - NO CRITERIA LISTED

The SCOs for unrestricted use were capped at a maximum value of 100 ppm

Values in *italics* exceed one or more criteria

Values in **bold face** exceed all criteria

Table 6
Area C Confirmation
Metals Results

NYSDEC Part 375
Unrestricted Soil

Cleanup
Objectives
(SCOs)

NYDEC
(mg/kg)

East US BG

Site BG
(mg/kg)

EX-C-07

EX-C-8

EX-C-9

EX-C-10

EX-C-11

EX-C-12

Metal

					9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005
Aluminum	NC	SB	33000	7080-12800	19900	18500	18400	16900	18100	19200
Antimony	NC	SB	NA	0.2-0.59	<1.7	<1.7	<1.8	<1.4	<1.5	<1.7
Arsenic	13	7.5	3-12	4.3-16.4	9.9	7.7	9.1	7.6	9.6	9
Barium	350	300	15-600	33-104	101	98.6	161	94.7	93.9	99.6
Beryllium	7.2	0.16	0-1.75	0.38-0.67	0.98	0.88	0.85	0.85	0.97	0.95
Cadmium	2.5	1	0-1.75	0.21-0.52	0.35-J	0.24-J	0.37-J	0.29-J	0.38-J	0.42-J
Calcium	NC	SB	130-35000	1280-46600	2840	2450	9430	11800	10600	6120
Chromium	30 (TRIVALENT)	10	1.5-40	9.3-17.5	27.7	31.7	198	24.4	26.1	27.6
Cobalt	NC	30	2.5-60	5.3-12.2	14.8	14.6	13.5	13.9	40.9	15.3
Copper	50	25	1-50	13.4-26.9	42.5	40	44.1	45.2	44.3	41.5
Iron	NC	2000	2000-550000	14100-25700	37000	34200	41100	33300	36900	36800
Lead	63	SB	NA	16.5-60.8	21.5	65.7	1150	19	18.9	27
Magnesium	NC	SB	100-5000	2150-13100	6400	5810	6090	7610	7600	6780
Manganese	1600	SB	50-5000	197-875	577	559	726	353	977	626
Mercury	0.18	0.1	0.001-0.2	0.039-0.095	0.25	0.46	0.33	0.16	0.020-J	0.061
Nickel	30	13	0.5-25	10.6-24.8	33.3	33.2	36.2	34.3	37.9	34.1
Potassium	NC	SB	8500-43000	443-1660	2240	2140	2320	2430	2380	2360
Selenium	3.9	2	0.1-3.9	0.44-1.2	0.85-J	0.65-J	1.1-J	0.42-J	0.42-J	0.85-J
Silver	2	SB	NA	0.16-0.17	<0.42	<0.41	<0.46	<0.36	<0.73	<0.42
Thallium	NC	SB	NA	ND-0.67	<2.5	<2.5	<2.7	<2.2	<4.4	<2.5
Vanadium	NC	150	1-300	13.7-24	34.6	32.7	30.3	29.5	30.9	33.6
Zinc	109	20	9-50	46-134	88.6	81.8	82.9	84.7	89.1	87.4

NC - NO CRITERIA LISTED

The SCOs for unrestricted use were capped at a maximum value of 100 ppm

Values in *italics* exceed one or more criteria

Values in **bold** face exceed all criteria

Table 6
Area C Confirmation
Metals Results

NYSDEC Part 375
Unrestricted Soil

Cleanup
Objectives
(SCOs)

NYDEC
(mg/kg)

East US BG

Site BG
(mg/kg)

EX-C-13

EX-C-1RE

EX-C-2RE

EX-C-7RE

EX-C-8RE

EX-C-9RE

Metal					9/28/2005	10/13/2005	10/13/2005	10/13/2005	10/13/2005	10/13/2005
Aluminum	NC	SB	33000	7080-12800	18700	16300	15400	18500	16100	14000
Antimony	NC	SB	NA	0.2-0.59	<1.8	<1.7	0.41	<1.9	<1.7	<1.7
Arsenic	13	7.5	3-12	4.3-16.4	7.9	8.3	8.4	9.0	8.8	8.0
Barium	350	300	15-600	33-104	86.2	80.3	72.7	86.7	72.4	76.0
Beryllium	7.2	0.16	0-1.75	0.38-0.67	0.93	0.90	0.86	0.96	0.87	0.73
Cadmium	2.5	1	0-1.75	0.21-0.52	0.26-J	<.51	<.51	<.58	<.52	<.5
Calcium	NC	SB	130-35000	1280-46600	2940	6840	26700	2180	8330	
Chromium	30 (TRIVALENT)	10	1.5-40	9.3-17.5	25.5	26.3	23.7	27.2	24.7	21.0
Cobalt	NC	30	2.5-60	5.3-12.2	14	15.4	13.7	15.7	15.1	11.6
Copper	50	25	1-50	13.4-26.9	37.5	67.6	42.8	44.3	48.5	39.9
Iron	NC	2000	2000-550000	14100-25700	36000	33300	33100	35300	34800	29300
Lead	63	SB	NA	16.5-60.8	22.5	29.2	15.1	20.1	24.6	12.9
Magnesium	NC	SB	100-5000	2150-13100	6110	6830	8740	6060	7330	8330
Manganese	1600	SB	50-5000	197-875	545	346	479	601	667	405
Mercury	0.18	0.1	0.001-0.2	0.039-0.095	0.073	1.1	0.044	0.13	0.27	0.029
Nickel	30	13	0.5-25	10.6-24.8	31.5	33.6	30.2	34.4	34.6	27.6
Potassium	NC	SB	8500-43000	443-1660	1980	2060	2450	2090	2050	2380
Selenium	3.9	2	0.1-3.9	0.44-1.2	0.93-J	0.42	0.35	0.79	0.64	<1.7
Silver	2	SB	NA	0.16-0.17	<0.44	<.26	<.25	<.29	<.26	<.25
Thallium	NC	SB	NA	ND-0.67	0.36-J	1.4	0.91	1.6	1.1	1.0
Vanadium	NC	150	1-300	13.7-24	33.7	30.2	28.8	33.9	29.0	25.8
Zinc	109	20	9-50	46-134	81.6	81.9	83.0	85.6	84.4	70.6

NC - NO CRITERIA LISTED

The SCOs for unrestricted use were capped at a maximum value of 100 ppm

Values in *italics* exceed one or more criteria

Values in **bold** face exceed all criteria

Table 6
Area C Confirmation
Metals Results

NYSDEC Part 375
 Unrestricted Soil

Metal	Cleanup Objectives (SCOs)	NYDEC (mg/kg)	East US BG	Site BG (mg/kg)	EX-C-10RE	EX-C-1RE2
					10/13/2005	10/27/2005
Aluminum	NC	SB	33000	7080-12800	<i>15800</i>	<i>16100</i>
Antimony	NC	SB	NA	0.2-0.59	<1.7	<1.5
Arsenic	13	7.5	3-12	4.3-16.4	6.3	9.1
Barium	350	300	15-600	33-104	43.6	82
Beryllium	7.2	0.16	0-1.75	0.38-0.67	0.62	0.85
Cadmium	2.5	1	0-1.75	0.21-0.52	<.51	0.63
Calcium	NC	SB	130-35000	1280-46600	936	28500
Chromium	30 (TRIVALENT)	10	1.5-40	9.3-17.5	<i>20.1</i>	<i>23.6</i>
Cobalt	NC	30	2.5-60	5.3-12.2	7.9	14.7
Copper	50	25	1-50	13.4-26.9	21.3	41.9
Iron	NC	2000	2000-550000	14100-25700	27800	35000
Lead	63	SB	NA	16.5-60.8	10.9	16.7
Magnesium	NC	SB	100-5000	2150-13100	4340	9000
Manganese	1600	SB	50-5000	197-875	274	626
Mercury	0.18	0.1	0.001-0.2	0.039-0.095	<.036	0.049
Nickel	30	13	0.5-25	10.6-24.8	18.8	34.5
Potassium	NC	SB	8500-43000	443-1660	1220	2440
Selenium	3.9	2	0.1-3.9	0.44-1.2	0.50	0.3
Silver	2	SB	NA	0.16-0.17	<.26	0.049
Thallium	NC	SB	NA	ND-0.67	0.98	0.67
Vanadium	NC	150	1-300	13.7-24	<i>29.5</i>	<i>27.8</i>
Zinc	109	20	9-50	46-134	<i>52.0</i>	<i>88.4</i>

NC - NO CRITERIA LISTED

The SCOs for unrestricted use were capped at a maximum value of 100 ppm

Values in *italics* exceed one or more criteria
 Values in **bold** face exceed all criteria

Table 7
Area C Confirmation
SVOC Results

Compound	UNRESTRICTED SOIL CLEANUP CRITERIA (SCOs)	NYDEC RSCO (mg/kg)	EX-C-1	EX-C-2	EX-C-3	EX-C-4	EX-C-5	EX-C-6	EX-C-7
			9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005
2,4,5-Trichlorophenol	NC	0.1-ADL	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
2,4-Dichlorophenol	NC	0.4	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
2,4-Dinitrophenol	NC	0.200-ADL	<0.780	<0.780	<0.750	<0.710	<0.770	<0.730	<0.720
2,6-Dinitrotoluene	NC	1.0	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
2-Chlorophenol	NC	0.8	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
2-Methylnaphthalene	NC	36.4	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
2-Nitroaniline	NC	0.430	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
2-Nitrophenol	NC	0.330	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
2-methylphenol	NC	0.100-ADL	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
3-Nitroaniline	NC	0.500	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
4-Chloroaniline	NC	0.220-ADL	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
4-Nitroaniline	NC	NS	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
4-Nitrophenol	NC	0.100-ADL	<0.780	<0.780	<0.750	<0.710	<0.770	<0.730	<0.720
4-chloro-3-methylphenol	NC	0.240-ADL	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
4-methylphenol	NC	0.9	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
Acenaphthene	20	50.0	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
Acenaphthylene	100	41.0	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
Aniline	NC	0.1-ADL	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
Anthracene	100	50.0	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
Benzo(a) anthracene	1	0.224-ADL	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
Benzo(a) pyrene	1	0.061-ADL	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
Benzo(b) fluoranthene	1	1.1	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
Benzyl Butyl Phthalate	NC	50.0	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
Chrysene	1	0.4	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
Dibenz(a,h) Anthracene	0.33	0.014-ADL	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
Dibenzofuran	NC	6.2	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
Diethyl Phthalate	NC	7.1	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
Dimethyl Phthalate	NC	2.0	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
Fluoranthene	100	50.0	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
Fluorene	30	50.0	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
Hexachlorobenzene	NC	0.41	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
Indeno(1,2,3-c,d) Pyrene	0.5	3.2	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
Isophorone	NC	4.40	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
Naphthalene	12	13.0	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
Nitrobenzene	NC	0.200-ADL	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
Pentachlorophenol	0.8	1.0	<0.780	<0.780	<0.750	<0.710	<0.770	<0.730	<0.720
Phenanthrene	100	50.0	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
Phenol	0.33	0.03-ADL	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
Pyrene	100	50	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
bis(2-ethylhexyl) phthalate	NC	50.0	4	0.370-J	<0.380	<0.360	0.38	0.051-J	0.036-J
di-n-Butyl Phthalate	NC	8.1	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360
di-n-Octyl Phthalate	NC	50.0	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360

Table 7
Area C Confirmation
SVOC Results

Compound	UNRESTRICTED SOIL CLEANUP CRITERIA (SCOs)	NYDEC RSCO (mg/kg)	EX-C-8	EX-C-9	EX-C-10	EX-C-11	EX-C-12	EX-C-13
			9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005
2,4,5-Trichlorophenol	NC	0.1-ADL	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
2,4-Dichlorophenol	NC	0.4	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
2,4-Dinitrophenol	NC	0.200-ADL	<0.800	<0.860	<0.770	<0.710	<0.790	<0.770
2,6-Dinitrotoluene	NC	1.0	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
2-Chlorophenol	NC	0.8	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
2-Methylnaphthalene	NC	36.4	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
2-Nitroaniline	NC	0.430	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
2-Nitrophenol	NC	0.330	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
2-methylphenol	NC	0.100-ADL	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
3-Nitroaniline	NC	0.500	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
4-Chloroaniline	NC	0.220-ADL	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
4-Nitroaniline	NC	NS	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
4-Nitrophenol	NC	0.100-ADL	<0.800	<0.860	<0.770	<0.710	<0.790	<0.770
4-chloro-3-methylphenol	NC	0.240-ADL	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
4-methylphenol	NC	0.9	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Acenaphthene	20	50.0	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Acenaphthylene	100	41.0	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Aniline	NC	0.1-ADL	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Anthracene	100	50.0	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Benzo(a) anthracene	1	0.224-ADL	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Benzo(a) pyrene	1	0.061-ADL	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Benzo(b) fluoranthene	1	1.1	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Benzyl Butyl Phthalate	NC	50.0	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Chrysene	1	0.4	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Dibenz(a,h) Anthracene	0.33	0.014-ADL	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Dibenzofuran	NC	6.2	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Diethyl Phthalate	NC	7.1	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Dimethyl Phthalate	NC	2.0	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Fluoranthene	100	50.0	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Fluorene	30	50.0	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Hexachlorobenzene	NC	0.41	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Indeno(1,2,3-c,d) Pyrene	0.5	3.2	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Isophorone	NC	4.40	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Naphthalene	12	13.0	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Nitrobenzene	NC	0.200-ADL	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Pentachlorophenol	0.8	1.0	<0.800	<0.860	<0.770	<0.710	<0.790	<0.770
Phenanthrene	100	50.0	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Phenol	0.33	0.03-ADL	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Pyrene	100	50	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
bis(2-ethylhexyl) phthalate	NC	50.0	<0.400	<0.430	0.040-J	<0.360	<0.390	<0.390
di-n-Butyl Phthalate	NC	8.1	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
di-n-Octyl Phthalate	NC	50.0	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390

Table 8
Area C Confirmation
VOC Results

NYSDEC PART
 375
 UNRESTRICTED
 SOIL CLEANUP
 OBJECTIVES

NYDEC
 RSCO
 (mg/kg)

Compound	(SCOs)		EX-C-1	EX-C-2	EX-C-3	EX-C-4	EX-C-5
			9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005
1,1,1,-Trichloroethane	0.68	0.8	<0.0059	<0.0058	<0.0056	<0.0053	<0.0057
1,1,2,2-Tetrachloroethane	NC	0.6	<0.0059	<0.0058	<0.0056	<0.0053	<0.0057
1,1,2-Trichloroethane	NC	NS	<0.0059	<0.0058	<0.0056	<0.0053	<0.0057
1,1-Dichloroethane	0.27	0.2	<0.0059	<0.0058	<0.0056	<0.0053	<0.0057
1,1-Dichloroethene	0.33		<0.0059	<0.0058	<0.0056	<0.0053	<0.0057
1,2-Dichlorobenzene	1.1	7.9	<0.0059	<0.0058	<0.0056	<0.0053	<0.0057
1,2-Dichloroethane	0.02		<0.0059	<0.0058	<0.0056	<0.0053	<0.0057
1,3-Dichlorobenzene	2.4	1.6	<0.0059	<0.0058	<0.0056	<0.0053	<0.0057
1,3-Dichloropropane	NC		<0.0059	<0.0058	<0.0056	<0.0053	<0.0057
1,4-Dichlorobenzene	1.8	8.5	<0.0059	<0.0058	<0.0056	<0.0053	<0.0057
<i>trans</i> -1,2 Dichloroethene	0.19	0.3	<0.0059	<0.0058	<0.0056	<0.0053	<0.0057
2-Butanone (MEK)	0.12	0.3	<0.012	<0.012	<0.011	<0.011	<0.012
4-Methyl-2-Pentanone (MIBK)	NC	1	<0.012	<0.012	<0.011	<0.011	<0.012
Acetone	0.05	0.2	<0.012	<0.012	<0.011	<0.011	<0.012
Benzene	0.06	0.06	<0.0059	<0.0058	<0.0056	<0.0053	<0.0057
Bromomethane	NC	NS	<0.012	<0.012	<0.011	<0.011	<0.012
Carbon Disulfide	NC	2.7	<0.0059	<0.0058	<0.0056	<0.0053	<0.0057
Carbon Tetrachloride	0.76	0.6	<0.0059	<0.0058	<0.0056	<0.0053	<0.0057
Chlorobenzene	1.1	1.7	<0.0059	<0.0058	<0.0056	<0.0053	<0.0057
Chloroethane	NC	1.9	<0.012	<0.012	<0.011	<0.011	<0.012
Chloroform	0.37	0.3	<0.0059	<0.0058	<0.0056	<0.0053	<0.0057
Chloromethane	NC	NS	<0.012	<0.012	<0.011	<0.011	<0.012
Dibromochloromethane	NC	NS	<0.0059	<0.0058	<0.0056	<0.0053	<0.0057
Ethylbenzene	1	5.5	<0.0059	<0.0058	<0.0056	<0.0053	<0.0057
Freon 113	NC	6	<0.0059	<0.0058	<0.0056	<0.0053	<0.0057
Methylene Chloride	0.05	0.1	0.0034-J	0.0027-J	0.0058	0.0046-J	0.005-J
Styrene	NC	NS	<5.9-U	<0.0058	<0.0056	<0.0053	<0.0057
Tetrachloroethene	1.3	1.4	<5.9-U	<0.0058	<0.0056	<0.0053	<0.0057
Toluene	0.7	1.5	<5.9-U	<0.0058	<0.0056	<0.0053	<0.0057
Trichloroethene	0.47	0.7	<5.9-U	<0.0058	<0.0056	<0.0053	<0.0057
Vinyl Chloride	0.02	0.2	<0.012	<0.012	<0.011	0.012	0.013
Xylenes	0.26	1.2	<5.9-U	<0.0058	<0.0056	<0.0053	<0.0057

Table 8
Area C Confirmation
VOC Results

NYSDEC PART
 375
 UNRESTRICTED
 SOIL CLEANUP
 OBJECTIVES
 (SCOs)

NYDEC
 RSCO
 (mg/kg)

Compound			EX-C-6	EX-C-7	EX-C-8	EX-C-9	EX-C-10	EX-C-11
			9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005
1,1,1,-Trichloroethane	0.68	0.8	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
1,1,2,2-Tetrachloroethane	NC	0.6	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
1,1,2-Trichloroethane	NC	NS	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
1,1-Dichloroethane	0.27	0.2	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
1,1-Dichloroethene	0.33		<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
1,2-Dichlorobenzene	1.1	7.9	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
1,2-Dichloroethane	0.02		<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
1,3-Dichlorobenzene	2.4	1.6	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
1,3-Dichloropropane	NC		<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
1,4-Dichlorobenzene	1.8	8.5	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
<i>trans</i> -1,2 Dichloroethene	0.19	0.3	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
2-Butanone (MEK)	0.12	0.3	<0.011	<0.011	<0.012	<0.013	<0.012	<0.011
4-Methyl-2-Pentanone (MIBK)	NC	1	<0.011	<0.011	<0.012	<0.013	<0.012	<0.011
Acetone	0.05	0.2	<0.011	<0.011	<0.012	<0.013	<0.012	<0.011
Benzene	0.06	0.06	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
Bromomethane	NC	NS	<0.011	<0.011	<0.012	<0.013	<0.012	<0.011
Carbon Disulfide	NC	2.7	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
Carbon Tetrachloride	0.76	0.6	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
Chlorobenzene	1.1	1.7	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
Chloroethane	NC	1.9	<0.011	<0.011	<0.012	<0.013	<0.012	<0.011
Chloroform	0.37	0.3	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
Chloromethane	NC	NS	<0.011	<0.011	<0.012	<0.013	<0.012	<0.011
Dibromochloromethane	NC	NS	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
Ethylbenzene	1	5.5	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
Freon 113	NC	6	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
Methylene Chloride	0.05	0.1	0.0046-J	0.0032-J	0.0027-J	0.0033-J	0.0037-J	0.0054
Styrene	NC	NS	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
Tetrachloroethene	1.3	1.4	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
Toluene	0.7	1.5	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
Trichloroethene	0.47	0.7	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
Vinyl Chloride	0.02	0.2	0.016	0.013	0.012	0.012-J	0.012	0.014
Xylenes	0.26	1.2	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054

AOC-2

Table 9
Area C Confirmation
Pesticide, PCB, Herbicide Results

NYSDEC PART
 375
 UNRESTRICTED
 SOIL CLEANUP
 OBJECTIVES
 (SCOs)

NYDEC
 RSCO
 (ug/kg)

Compound			EX-C-1	EX-C-2	EX-C-3	EX-C-4	EX-C-5	EX-C-6	EX-C-7	EX-C-8	EX-C-9
			9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005
4,4-DDD	3.3	2900	0.30	0.29	0.84	<1.8	0.50	2.0	<1.8	<2.0	<2.2
4,4-DDE	3.3	2100	<2.0	<1.9	0.82	<1.8	<1.9	1.7	2.1	<2.0	<2.2
4,4-DDT	3.3	2100	<2.0	<1.9	0.24	<1.8	0.26	5.1	<1.8	<2.0	<2.2
Aldrin	5	41.0	<2.0	<1.9	<1.9	<1.8	<1.9	<1.8	<1.8	<2.0	<2.2
Alpha-BHC	20	11.0	<2.0	<1.9	<1.9	<1.8	<1.9	<1.8	<1.8	<2.0	<2.2
Beta-BHC	36	200	<2.0	<1.9	<1.9	<1.8	<1.9	<1.8	<1.8	<2.0	<2.2
Chlordane	94	540	<39	<39	<38	<36	<38	<37	<36	<40	<43
Delta-BHC	40	300	<2.0	<1.9	<1.9	<1.8	<1.9	<1.8	<1.8	<2.0	<2.2
Dieldrin	5	44.0	<2.0	<1.9	<1.9	<1.8	<1.9	<1.8	<1.8	<2.0	<2.2
Endosulfan I	2400	900	<2.0	<1.9	<1.9	<1.8	<1.9	<1.8	<1.8	<2.0	<2.2
Endosulfan II	2400	900	<2.0	<1.9	<1.9	<1.8	<1.9	<1.8	<1.8	<2.0	<2.2
Endosulfan Sulfate	NC	1000	<2.0	<1.9	<1.9	<1.8	<1.9	<1.8	<1.8	<2.0	<2.2
Endrin	14	100	<2.0	<1.9	<1.9	<1.8	<1.9	<1.8	<1.8	<2.0	<2.2
Gamma-BHC (Lindane)	NC	60.0	<2.0	<1.9	<1.9	<1.8	<1.9	<1.8	<1.8	<2.0	<2.2
Heptachlor	42	100	<2.0	<1.9	<1.9	<1.8	<1.9	<1.8	<1.8	<2.0	<2.2
Heptachlor Epoxide	NC	20.0	<2.0	<1.9	<1.9	<1.8	<1.9	<1.8	<1.8	<2.0	<2.2
Methoxychlor	NC	NS	<2.0	<1.9	<1.9	<1.8	<1.9	<1.8	<1.8	<2.0	<2.2
PCB-1016	100	1000	<20	<19	<19	<18	<19	<18	<18	<20	<22
PCB-1221	100	1000	<20	<19	<19	<18	<19	<18	<18	<20	<22
PCB-1232	100	1000	<20	<19	<19	<18	<19	<18	<18	<20	<22
PCB-1242	100	1000	<20	<19	<19	<18	<19	<18	<18	<20	<22
PCB-1248	100	1000	<20	<19	<19	<18	<19	<18	<18	<20	<22
PCB-1254	100	1000	<20	<19	<19	<18	<19	<18	<18	<20	<22
PCB-1260	100	1000	<20	<19	<19	<18	<19	<18	<18	<20	<22
2,4,5-T	NC	1900	<120	<120	<110	<110	<120	<110	<110	<120	<130
2,4,5-TP (Silvex)	3.8	700	<120	<120	<110	<110	<120	<110	<110	<120	<130
2,4-D	NC	500	<120	<120	<110	<110	<120	<110	<110	<120	<130

Table 9
Area C Confirmation
Pesticide, PCB, Herbicide Results

NYSDEC PART
 375
 UNRESTRICTED
 SOIL CLEANUP
 OBJECTIVES
 (SCOs)

NYDEC
 RSCO
 (ug/kg)

Compound			EX-C-8	EX-C-9	EX-C-10	EX-C-11	EX-C-12	EX-C-13
			9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005
4,4-DDD	3.3	2900	<2.0	<2.2	<1.9	<1.8	<2.0	0.76
4,4-DDE	3.3	2100	<2.0	<2.2	<1.9	<1.8	<2.0	1.4
4,4-DDT	3.3	2100	<2.0	<2.2	<1.9	<1.8	<2.0	0.74
Aldrin	5	41.0	<2.0	<2.2	<1.9	<1.8	<2.0	<1.9
Alpha-BHC	20	11.0	<2.0	<2.2	<1.9	<1.8	<2.0	<1.9
Beta-BHC	36	200	<2.0	<2.2	<1.9	<1.8	<2.0	<1.9
Chlordane	94	540	<40	<43	<39	<36	<39	<39
Delta-BHC	40	300	<2.0	<2.2	<1.9	<1.8	<2.0	<1.9
Dieldrin	5	44.0	<2.0	<2.2	<1.9	<1.8	<2.0	<1.9
Endosulfan I	2400	900	<2.0	<2.2	<1.9	<1.8	<2.0	<1.9
Endosulfan II	2400	900	<2.0	<2.2	<1.9	<1.8	<2.0	<1.9
Endosulfan Sulfate	NC	1000	<2.0	<2.2	<1.9	<1.8	<2.0	<1.9
Endrin	14	100	<2.0	<2.2	<1.9	<1.8	<2.0	<1.9
Gamma-BHC (Lindane)	NC	60.0	<2.0	<2.2	<1.9	<1.8	<2.0	<1.9
Heptachlor	42	100	<2.0	<2.2	<1.9	<1.8	<2.0	<1.9
Heptachlor Epoxide	NC	20.0	<2.0	<2.2	<1.9	<1.8	<2.0	<1.9
Methoxychlor	NC	NS	<2.0	<2.2	<1.9	<1.8	<2.0	<1.9
PCB-1016	100	1000	<20	<22	<19	<18	<20	<19
PCB-1221	100	1000	<20	<22	<19	<18	<20	<19
PCB-1232	100	1000	<20	<22	<19	<18	<20	<19
PCB-1242	100	1000	<20	<22	<19	<18	<20	<19
PCB-1248	100	1000	<20	<22	<19	<18	<20	<19
PCB-1254	100	1000	<20	<22	<19	<18	<20	<19
PCB-1260	100	1000	<20	<22	<19	<18	<20	<19
2,4,5-T	NC	1900	<120	<130	<120	<110	<120	<120
2,4,5-TP (Silvex)	3.8	700	<120	<130	<120	<110	<120	<120
2,4-D	NC	500	<120	<130	<120	<110	<120	<120

APPENDIX 4

AREA D, TABLES 14 THROUGH 17 / POST- EXCAVATION ANALYSES OF SOILS

AREA D – POST EXCAVATION SOIL ANALYSIS SUMMARY

FSADVA AOC #2

All post-excavation soil analyses met the unrestricted NYSDEC Part 375 standards for metals (except nickel and one exceedance of chromium at excavation sidewall location EX-D-14). The nickel results were found to range between 31.3 mg/kg and 43.7 mg/kg in 5 locations; a data analysis memorandum, at Appendix 8, notes that nickel appears to be background condition for nearby areas B,C and F on the property. The slightly elevated result for chromium (35.1 mg/kg vs. unrestricted standard of 30 mg/kg) at location EX-D-14 meets the Part 375 residential standard of 36 mg/kg.

All post-excavation soil analyses met the unrestricted NYSDEC Part 375 standards for SVOCs and pesticides.

All post-excavation soil analyses met the unrestricted NYSDEC Part 375 standards for VOCs, with the following exceptions:

- Before re-excavation took place at EX-D-10, acetone was found at 0.15 mg/kg, vs. the unrestricted SCO of 0.05 mg/kg; however, the re-excavated area was not re-tested for acetone since the previous TAGM value was met. This result is well within the current residential standard of 100 mg/kg.
- Before re-excavation took place at EX-D-12, xylenes were found at 2.8 mg/kg, vs. the unrestricted SCO of 0.26 mg/kg, however, the re-excavated area was not re-tested for xylenes. This result, however, is well within the current residential standard of 100 mg/kg for xylenes.
- Xylenes at 0.61 mg/kg were found at the floor of the excavation (sample location EX-D-18), exceeding the unrestricted SCO of 0.26 mg/kg, however, within the current residential standard of 100 mg/kg.
- Xylenes at 1.03 mg/kg were found at the floor of the excavation (sample location EX-D-27), exceeding the unrestricted SCO of 0.26 mg/kg, however, within the current residential standard of 100 mg/kg.

The post-excavation summary tables and sampling location sketches follow in this appendix.

Figure 1



Original Sample Locations
11/02/2005



By TPM Date 11/11/05 Subject ACC-2 Sheet No. _____ of _____

Chkd. By _____ Date _____ AREA D - SAMPLE LOCATIONS Proj. No. _____

25 in. X 25 in.

NOT TO SCALE

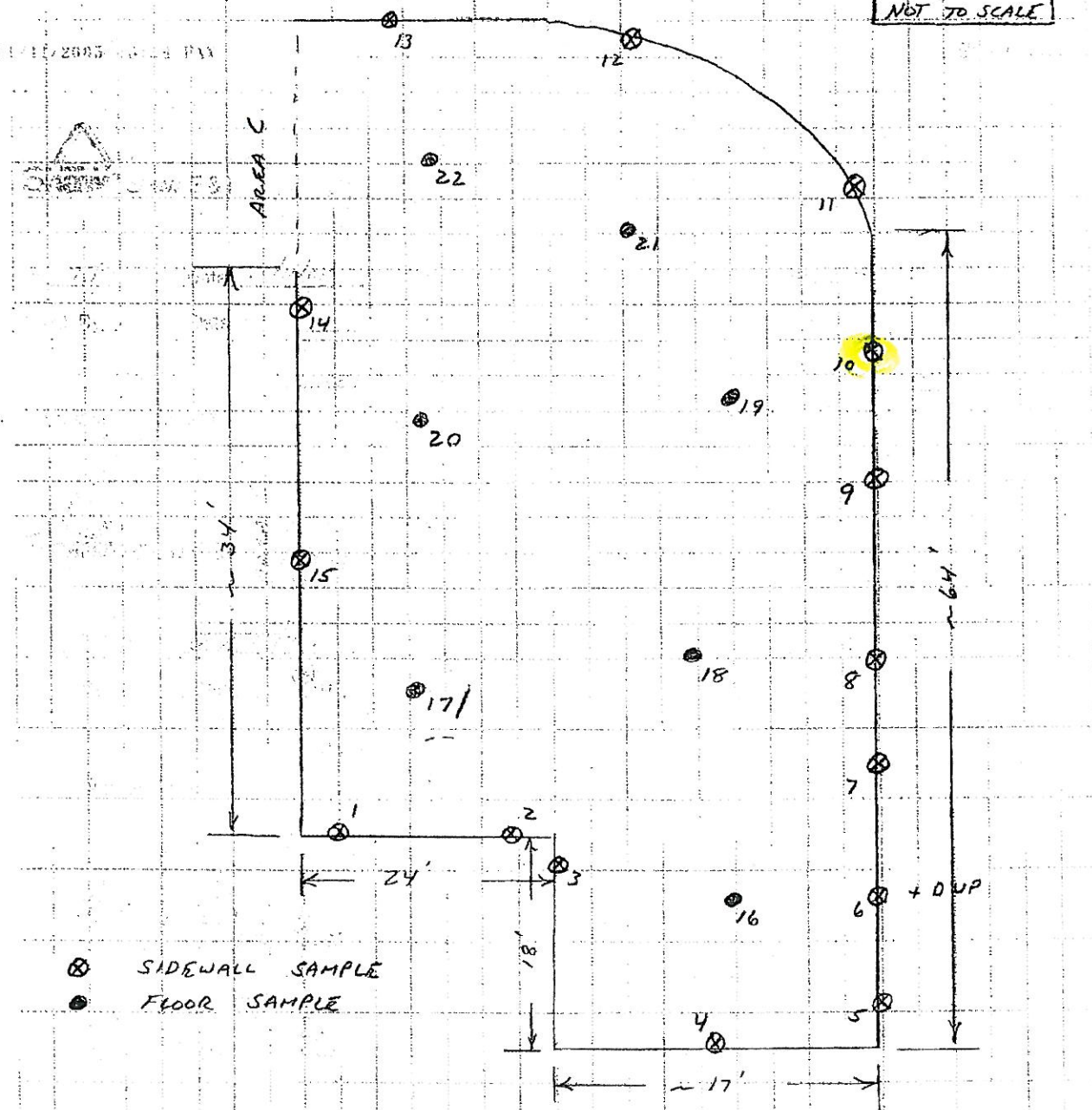




Figure 2

SAMPLE FOLLOWING OVER-EXCAVATION

MEALS ONLY - 11/11/2005

By TPH Date 11/11/05 Subject ACC-2 Sheet No. _____ of _____

Chkd. By _____ Date _____ AREA D. SAMPLE LOCATIONS Proj. No. _____ 25 in. X 25 in.

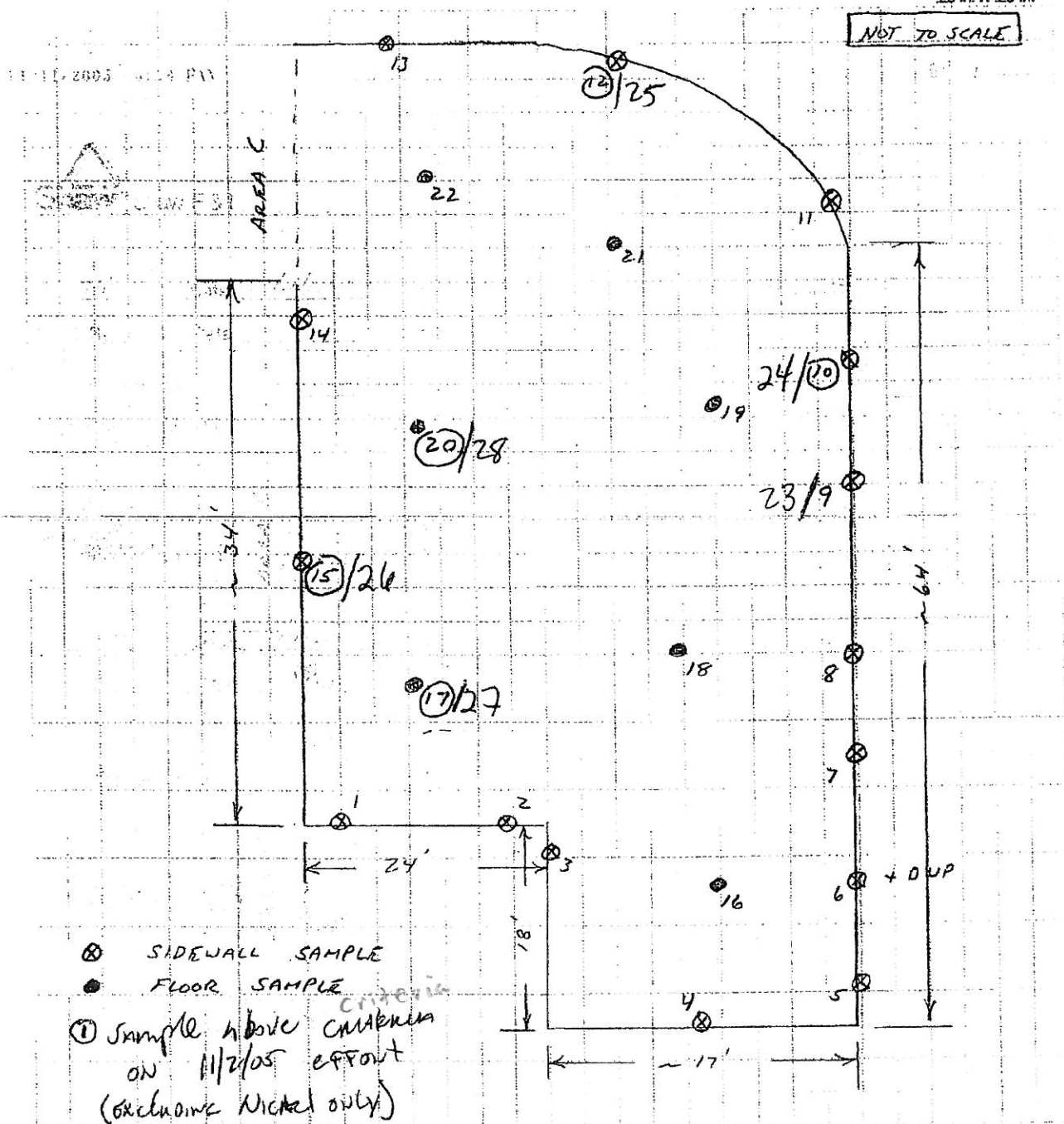


Figure 3



Shaw E & I

Resampled Following ADDITIONAL Removal
 11/21/2005 VOCs ONLY

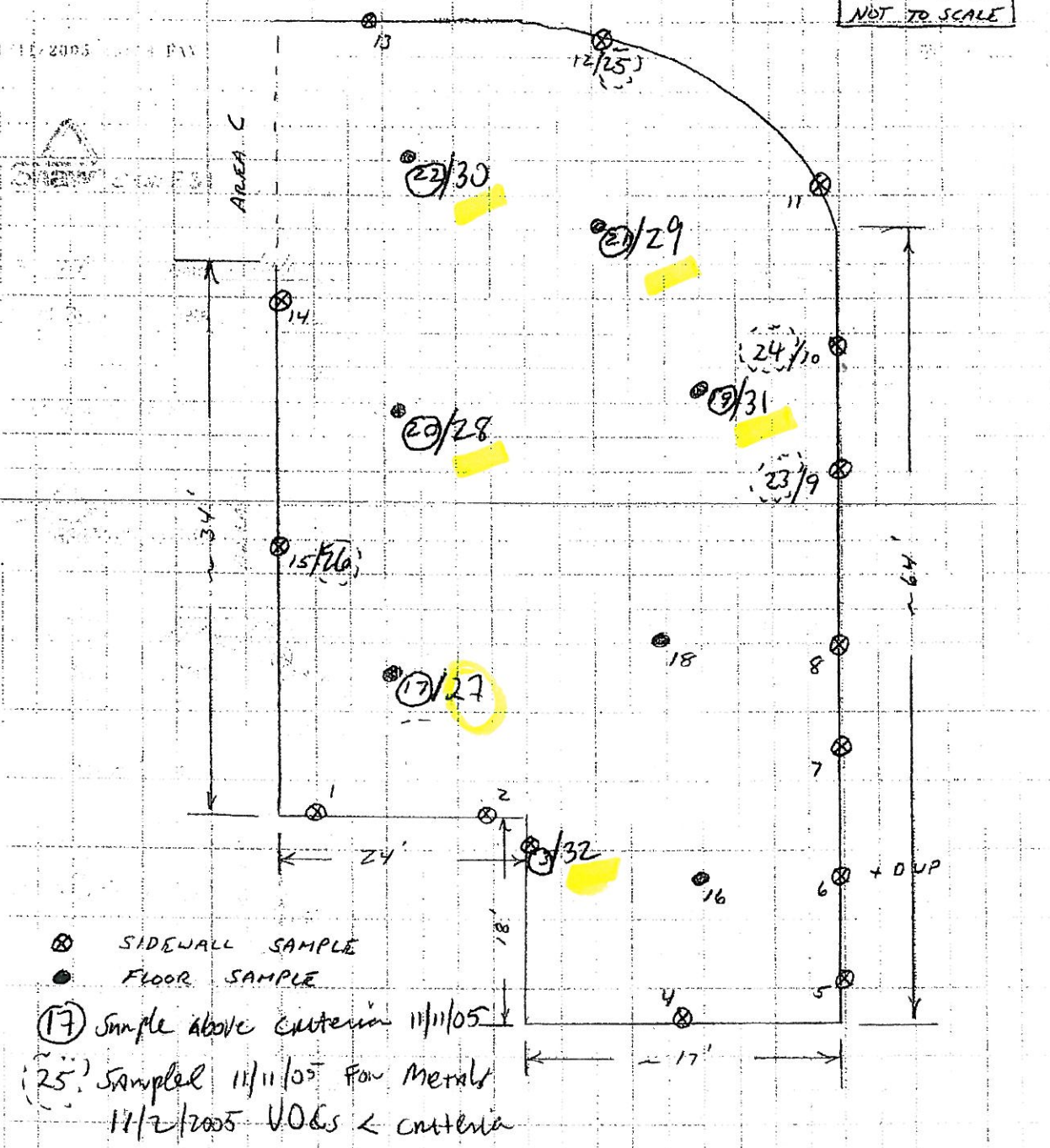
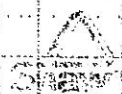
By TPM Date 11/11/05 Subject ACC-2 Sheet No. _____ of _____

Chkd. By _____ Date _____ AREA D - SAMPLE LOCATIONS Proj. No. _____

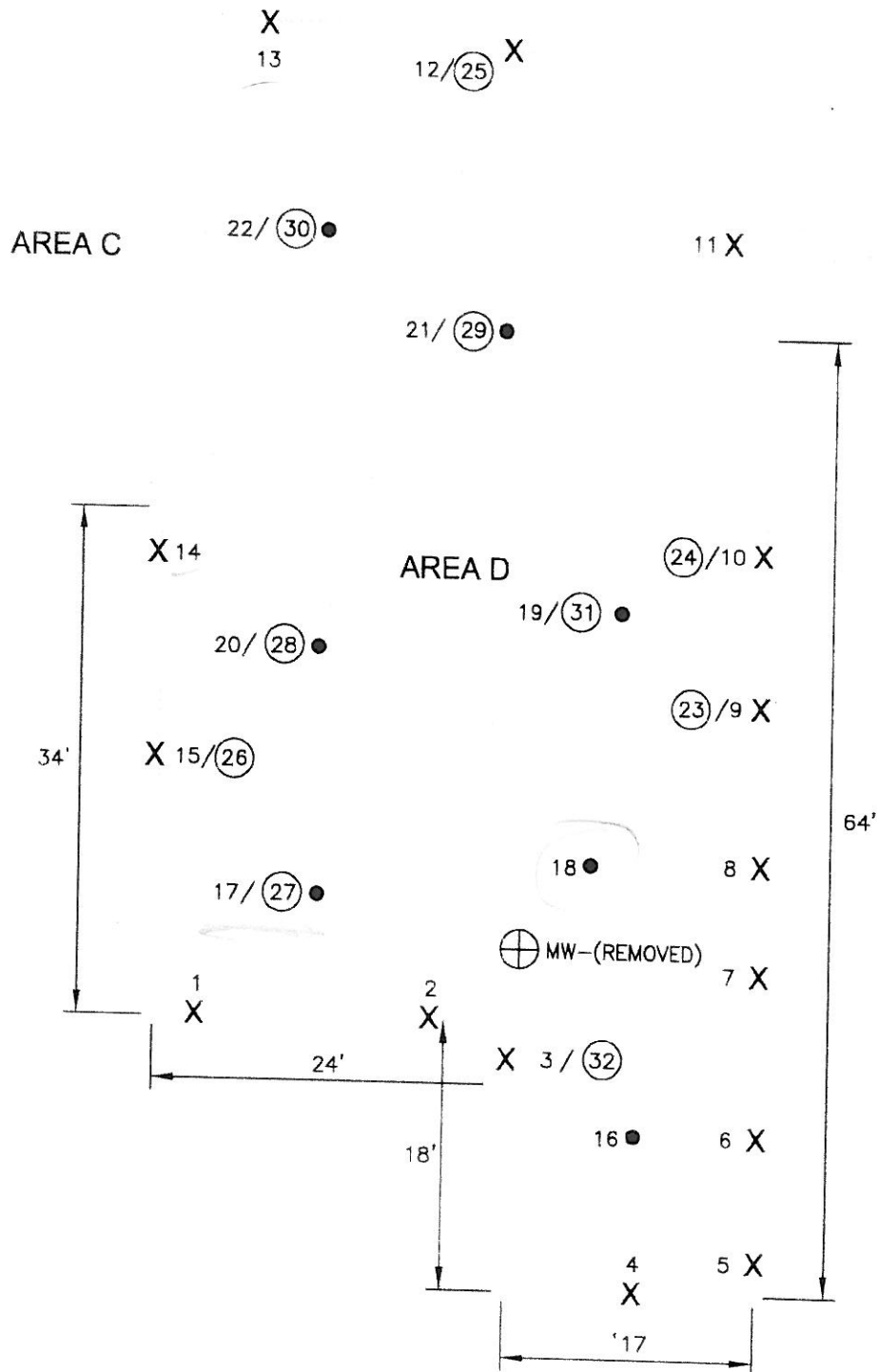
25 in. X 25 in.

NOT TO SCALE

11/11/2005 FAX



OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
Pittsburgh, PA	2/22/06	T. Mathison	B. Faison	---	---	838360-A6



LEGEND:

- FLOOR SAMPLE
- X SIDEWALL SAMPLE
- ⊙ RECOLLECTED SAMPLE FOLLOWING ADDITIONAL EXCAVATION
- ⊕ MONITORING WELL

THIS DRAWING NOT TO SCALE



Shaw Shaw Environmental, Inc.



U.S. ARMY CORPS OF ENGINEERS

FIGURE 2-4

AREA D SAMPLE LOCATIONS
(2005)

FORMER SCHENECTADY ARMY DEPOT - AOC2
SCHENECTADY, NEW YORK

Table 14
Area D Confirmation
Metals Results

NYSDEC Part
 375
 Unrestricted
 Soil Cleanup
 Objectives
 (SCOs)

NYDEC
 (mg/kg)

East US BG

Site BG
 (mg/kg)

EX-D-1

EX-D-2

EX-D-3

EX-D-4

EX-D-5

EX-D-6

EX-D-7

Metal					11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005
Aluminum	NC	SB	33000	7080-12800	<i>18600</i>	<i>16700</i>	<i>17100</i>	<i>18300</i>	<i>16200</i>	<i>15700</i>	<i>15600</i>
Antimony	NC	SB	NA	0.2-0.59	<1.8	<1.7	<1.7	<1.5	<1.8	<1.4	<1.7
Arsenic	13	7.5	3-12	4.3-16.4	<i>10.3</i>	6.5	9.3	9.4	6.2	5.8	5.9
Barium	350	300	15-600	33-104	68.2	61.8	120	47.6	51.9	81.7	51.6
Beryllium	7.2	0.16	0-1.75	0.38-0.67	1	0.73	0.93	0.7	0.69	0.69	0.66
Cadmium	2.5	1	0-1.75	0.21-0.52	0.48-J	0.45-J	0.66	0.42-J	0.45-J	0.37-J	0.38-J
Calcium	NC	SB	130-35000	1280-46600	1600	3230	2720	1260	1360	1580	1170
Chromium	30 (TRIVALENT)	10	1.5-40	9.3-17.5	26.8	21.3	25.1	26.3	20.8	19	19.4
Cobalt	NC	30	2.5-60	5.3-12.2	14.3	11.6	13.8	8.8	11	9.4	8.7
Copper	50	25	1-50	13.4-26.9	40.6	24.1	42.5	37.1	17.1	17.5	17.6
Iron	NC	2000	2000-550000	14100-25700	<i>42500</i>	<i>31300</i>	<i>37700</i>	<i>39300</i>	<i>30000</i>	<i>26000</i>	<i>26800</i>
Lead	63	SB	NA	16.5-60.8	18.4	19.8	16.9	17.5	18.1	12.5	13.4
Magnesium	NC	SB	100-5000	2150-13100	<i>6580</i>	<i>5030</i>	<i>6750</i>	<i>6070</i>	4360	4020	4000
Manganese	1600	SB	50-5000	197-875	444	540	583	292	560	425	365
Mercury	0.18	0.1	0.001-0.2	0.039-0.095	0.074	0.082	0.038	0.028-J	0.047	0.04	0.069
Nickel	30	13	0.5-25	10.6-24.8	31.3	22.2	43.7	25.6	19.5	19	17.4
Potassium	NC	SB	8500-43000	443-1660	<i>1850</i>	1080	1770	1530	1040	1120	1060
Selenium	3.9	2	0.1-3.9	0.44-1.2	1.5-J	0.95-J	0.13-J	1.4-J	0.90-J	1.1-J	1.2-J
Silver	2	SB	NA	0.16-0.17	<0.45	<0.42	<0.43	<0.39	1.8	<0.36	<0.42
Thallium	NC	SB	NA	ND-0.67	0.67-J	<2.5	0.50-J	0.50-J	<2.7	<0.21	<2.5
Vanadium	NC	150	1-300	13.7-24	<i>31.4</i>	<i>28.7</i>	<i>29</i>	<i>29.8</i>	<i>30.3</i>	<i>27.8</i>	<i>28.3</i>
Zinc	109	20	9-50	46-134	<i>91.7</i>	<i>70.8</i>	<i>91.8</i>	<i>81.6</i>	<i>61.2</i>	<i>60.7</i>	<i>57.5</i>

NC - NO CRITERIA LISTED

The SCOs for unrestricted use were capped at a maximum value of 100 ppm

Values in *italics* exceed one or more criteria

Values in **bold** face exceed all criteria

Table 14
Area D Confirmation
Metals Results

NYSDEC Part
 375
 Unrestricted
 Soil Cleanup
 Objectives
 (SCOs)

NYDEC
 (mg/kg)

East US BG

Site BG
 (mg/kg)

Metal					EX-D-8	EX-D-9	EX-D-10	EX-D-11	EX-D-12	EX-D-13	EX-D-14
					11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005
Aluminum	NC	SB	33000	7080-12800	<i>15800</i>	<i>14500</i>	<i>17400</i>	<i>17100</i>	<i>17300</i>	<i>19600</i>	<i>27300</i>
Antimony	NC	SB	NA	0.2-0.59	<1.6	<1.6	<1.7	<1.8	<1.7	<1.8	<2.4
Arsenic	13	7.5	3-12	4.3-16.4	6.2	5.1	7.8	6.5	6.5	<i>11.1</i>	<i>11.1</i>
Barium	350	300	15-600	33-104	60.6	55.2	75.5	63.1	72.2	<i>111</i>	90
Beryllium	7.2	0.16	0-1.75	0.38-0.67	0.7	0.63	0.86	0.73	0.8	1.4	1
Cadmium	2.5	1	0-1.75	0.21-0.52	0.42-J	0.40-J	0.5	0.44-J	0.48-J	0.4-J	0.46-J
Calcium	NC	SB	130-35000	1280-46600	1040	1390	1600	3430	2210	1860	2240
Chromium	30 (TRIVALENT)	10	1.5-40	9.3-17.5	<i>19</i>	<i>17.8</i>	<i>23.4</i>	<i>21.4</i>	<i>26.7</i>	<i>26.9</i>	35.1
Cobalt	NC	30	2.5-60	5.3-12.2	11.4	8.8	14.7	10.6	14.2	41.1	15.2
Copper	50	25	1-50	13.4-26.9	17.5	17.8	30.8	22.7	61.5	48.7	42.9
Iron	NC	2000	2000-550000	14100-25700	<i>27600</i>	<i>23500</i>	<i>34000</i>	<i>29300</i>	<i>30300</i>	<i>40600</i>	<i>49600</i>
Lead	63	SB	NA	16.5-60.8	18.4	14.8	18	15	39	18.4	20.9
Magnesium	NC	SB	100-5000	2150-13100	4060	3870	5340	4870	5230	6900	7820
Manganese	1600	SB	50-5000	197-875	686	598	763	435	503	880	709
Mercury	0.18	0.1	0.001-0.2	0.039-0.095	0.052	0.19	0.17	0.04	7.7	0.38-J	0.086
Nickel	30	13	0.5-25	10.6-24.8	<i>17.8</i>	<i>17.7</i>	27.2	<i>21.9</i>	26.4	40.3	34.8
Potassium	NC	SB	8500-43000	443-1660	877	958	1370	1240	1510	1710	1900
Selenium	3.9	2	0.1-3.9	0.44-1.2	0.86-J	1.0-J	1.2-J	1.1-J	0.98-J	<3.6	1.7-J
Silver	2	SB	NA	0.16-0.17	<0.4	<0.39	<0.42	<0.46	<0.42	<0.9	<0.61
Thallium	NC	SB	NA	ND-0.67	<2.4	<2.3	<2.5	<2.7	<2.5	1.3-J	0.67-J
Vanadium	NC	150	1-300	13.7-24	<i>29.2</i>	<i>25.4</i>	<i>29.8</i>	<i>29.4</i>	<i>29.2</i>	<i>31.7</i>	<i>45.2</i>
Zinc	109	20	9-50	46-134	<i>66.8</i>	<i>58.6</i>	<i>77.4</i>	<i>67.2</i>	<i>74.5</i>	<i>106</i>	<i>101</i>

NC - NO CRITERIA LISTED

The SCOs for unrestricted use were capped at a maximum value of 100 ppm

Values in *italics* exceed one or more criteria
 Values in **bold** face exceed all criteria

Table 14
Area D Confirmation
Metals Results

NYSDEC Part
 375
 Unrestricted
 Soil Cleanup
 Objectives
 (SCOs)

NYDEC
 (mg/kg)

East US BG

Site BG
 (mg/kg)

EX-D-15

EX-D-16

EX-D-17

EX-D-18

EX-D-19

EX-D-20

EX-D-
 Duplicate

Metal					11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005
Aluminum	NC	SB	33000	7080-12800	<i>16300</i>	<i>15800</i>	<i>15400</i>	<i>15200</i>	<i>17900</i>	<i>18600</i>	<i>15700</i>
Antimony	NC	SB	NA	0.2-0.59	<1.5	<1.7	<1.5	<1.8	<1.6	<1.7	<1.5
Arsenic	13	7.5	3-12	4.3-16.4	6.4	9.3	8.6	8.4	9.3	7.9	6.1
Barium	350	300	15-600	33-104	78.7	82.3	74.6	72.6	129	83.4	77
Beryllium	7.2	0.16	0-1.75	0.38-0.67	<i>0.86</i>	<i>0.87</i>	<i>0.79</i>	<i>0.77</i>	<i>0.97</i>	<i>0.82</i>	<i>0.72</i>
Cadmium	2.5	1	0-1.75	0.21-0.52	<i>0.53</i>	<i>0.56</i>	<i>0.58</i>	<i>0.59</i>	0.52	0.42-J	0.35-J
Calcium	NC	SB	130-35000	1280-46600	2780	27400	28700	30500	2160	5560	1840
Chromium	30 (TRIVALENT)	10	1.5-40	9.3-17.5	<i>24.8</i>	<i>23.7</i>	<i>23</i>	<i>22.8</i>	<i>25.7</i>	<i>26.7</i>	<i>20.3</i>
Cobalt	NC	30	2.5-60	5.3-12.2	<i>13.7</i>	<i>17.4</i>	<i>15.9</i>	<i>14.6</i>	<i>14.9</i>	<i>13.8</i>	<i>10.4</i>
Copper	50	25	1-50	13.4-26.9	<i>43.8</i>	<i>45.3</i>	<i>44.1</i>	<i>37.6</i>	<i>41.7</i>	71	23.5
Iron	NC	2000	2000-550000	14100-25700	<i>34300</i>	<i>35400</i>	<i>34600</i>	<i>34300</i>	<i>38600</i>	<i>36000</i>	<i>28000</i>
Lead	63	SB	NA	16.5-60.8	15.7	17.9	16.4	15.3	16.8	44.6	13.3
Magnesium	NC	SB	100-5000	2150-13100	<i>7490</i>	<i>9030</i>	<i>8860</i>	<i>8740</i>	<i>6930</i>	<i>6120</i>	<i>4830</i>
Manganese	1600	SB	50-5000	197-875	387	829	668	639	705	379	462
Mercury	0.18	0.1	0.001-0.2	0.039-0.095	0.21	0.037	<i>0.11</i>	0.030-J	0.049	0.72	0.034-J
Nickel	30	13	0.5-25	10.6-24.8	37.9	37.9	35	34.5	45	28.8	22.8
Potassium	NC	SB	8500-43000	443-1660	<i>1880</i>	<i>2200</i>	<i>2070</i>	<i>1990</i>	<i>1910</i>	1650	1310
Selenium	3.9	2	0.1-3.9	0.44-1.2	0.97-J	0.82-J	0.80-J	0.75-J	1.2-J	1.2-J	0.87-J
Silver	2	SB	NA	0.16-0.17	<0.38	<0.43	<0.38	<0.45	0.051-J	<0.43	<0.38
Thallium	NC	SB	NA	ND-0.67	0.58-J	0.62-J	0.55-J	<2.7	0.84-J	0.48-J	<2.3
Vanadium	NC	150	1-300	13.7-24	<i>27.4</i>	<i>27.1</i>	<i>26</i>	<i>25.8</i>	<i>29.5</i>	<i>30.3</i>	<i>27</i>
Zinc	109	20	9-50	46-134	<i>89.4</i>	<i>94.1</i>	<i>85</i>	<i>81.3</i>	<i>92.9</i>	<i>77.4</i>	<i>68.5</i>

NC - NO CRITERIA LISTED

The SCOs for unrestricted use were capped at a maximum value of 100 ppm

Values in *italics* exceed one or more criteria
 Values in **bold face** exceed all criteria

Table 14
Area D Confirmation
Metals Results

NYSDEC Part 375 Unrestricted Soil Cleanup Objectives (SCOs)		NYDEC (mg/kg)	East US BG	Site BG (mg/kg)	EX-D-21	EX-D-22	EX-D- Duplicate 2	EX-D-23	EX-D-24	EX-D-25	EX-D-26
Metal					11/2/2005	11/2/2005	11/2/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005
Aluminum	NC	SB	33000	7080-12800	<i>15700</i>	<i>14700</i>	<i>17100</i>	7470	9070	9270	7310
Antimony	NC	SB	NA	0.2-0.59	<1.7	<1.5	<1.8	3.76	<3.00	<3.00	<3.00
Arsenic	13	7.5	3-12	4.3-16.4	9.3	8.1	5.7	<0.25	<0.25	<0.25	<0.25
Barium	350	300	15-600	33-104	73.8	76.9	82	33.7	43.9	32.5	44
Beryllium	7.2	0.16	0-1.75	0.38-0.67	<i>0.83</i>	<i>0.74</i>	<i>0.77</i>	0.39	0.53	0.45	0.61
Cadmium	2.5	1	0-1.75	0.21-0.52	<i>0.53</i>	<i>0.6</i>	0.39-J	<0.25	<0.25	<0.25	<0.25
Calcium	NC	SB	130-35000	1280-46600	18800	50100	3750	1150	1300	906	2650
Chromium	30 (TRIVALENT)	10	1.5-40	9.3-17.5	<i>24</i>	<i>21.8</i>	<i>25.3</i>	11.4	14.5	15.1	21.6
Cobalt	NC	30	2.5-60	5.3-12.2	<i>14.7</i>	<i>13.4</i>	<i>13.5</i>	5.33	8.57	6.02	9.36
Copper	50	25	1-50	13.4-26.9	<i>47.5</i>	<i>40.3</i>	80.2	8.41	11.4	11.4	27.8
Iron	NC	2000	2000-550000	14100-25700	<i>35300</i>	<i>32600</i>	<i>31400</i>	9080	18000	14100	17400
Lead	63	SB	NA	16.5-60.8	19.6	15.3	57.2	6.57	9.38	6.94	25.7
Magnesium	NC	SB	100-5000	2150-13100	<i>8450</i>	<i>8660</i>	<i>5660</i>	2370	2940	3240	4820
Manganese	1600	SB	50-5000	197-875	753	612	311	325	657	223	224
Mercury	0.18	0.1	0.001-0.2	0.039-0.095	0.079	0.046	1.2	0.03	0.071	0.02	0.074
Nickel	30	13	0.5-25	10.6-24.8	33.7	32.6	26.8	<2.50	<2.50	<2.50	<2.50
Potassium	NC	SB	8500-43000	443-1660	<i>2010</i>	<i>2060</i>	<i>1510</i>	320	464	420	602
Selenium	3.9	2	0.1-3.9	0.44-1.2	0.86-J	0.48-J	1.0-J	<0.25	<0.25	<0.25	<0.25
Silver	2	SB	NA	0.16-0.17	<0.44	<0.39	>0.44	<1.0	<1.00	<1.00	<1.00
Thallium	NC	SB	NA	ND-0.67	0.45-J	0.51-J	<2.7	<0.50	<0.50	<0.50	<0.50
Vanadium	NC	150	1-300	13.7-24	<i>26.8</i>	<i>25.3</i>	<i>29.2</i>	8.53	10.7	11.2	13.5
Zinc	109	20	9-50	46-134	<i>88.7</i>	<i>79.6</i>	<i>77.2</i>	34.3	42.9	43.8	68.9

NC - NO CRITERIA LISTED

The SCOs for unrestricted use were capped at a maximum value of 100 ppm

Values in *italics* exceed one or more criteria

Values in **bold** face exceed all criteria

Table 14
Area D Confirmation
Metals Results

NYSDEC Part
375

Unrestricted
Soil Cleanup
Objectives
(SCOs)

NYDEC
(mg/kg)

East US BG

Site BG
(mg/kg)

EX-D-27

EX-D-28

EX-D-
Duplicate 3

Metal					11/11/2005	11/11/2005	11/11/2005
Aluminum	NC	SB	33000	7080-12800	7560	8770	9970
Antimony	NC	SB	NA	0.2-0.59	<3.00	<3.00	<3.00
Arsenic	13	7.5	3-12	4.3-16.4	<0.25	0.71	<0.25
Barium	350	300	15-600	33-104	43.9	40.1	46.1
Beryllium	7.2	0.16	0-1.75	0.38-0.67	0.41	0.46	0.57
Cadmium	2.5	1	0-1.75	0.21-0.52	<0.25	<0.25	<0.25
Calcium	NC	SB	130-35000	1280-46600	10100	13800	2190
Chromium	30 (TRIVALENT)	10	1.5-40	9.3-17.5	15.4	18.5	19.3
Cobalt	NC	30	2.5-60	5.3-12.2	8.79	8.99	9.45
Copper	50	25	1-50	13.4-26.9	23.5	28.7	30.5
Iron	NC	2000	2000-550000	14100-25700	12200	18800	20700
Lead	63	SB	NA	16.5-60.8	7.1	12.9	11.1
Magnesium	NC	SB	100-5000	2150-13100	5470	6240	4620
Manganese	1600	SB	50-5000	197-875	385	372	440
Mercury	0.18	0.1	0.001-0.2	0.039-0.095	0.028	0.06	0.086
Nickel	30	13	0.5-25	10.6-24.8	<2.50	<2.50	<2.50
Potassium	NC	SB	8500-43000	443-1660	680	878	511
Selenium	3.9	2	0.1-3.9	0.44-1.2	<0.25	<0.25	<0.25
Silver	2	SB	NA	0.16-0.17	<1.00	<1.00	<1.00
Thallium	NC	SB	NA	ND-0.67	<0.50	<0.50	<0.50
Vanadium	NC	150	1-300	13.7-24	9.93	11.2	11.5
Zinc	109	20	9-50	46-134	60.4	69.2	63.6

NC - NO CRITERIA LISTED

The SCOs for unrestricted use were capped at a maximum value of 100 ppm

Values in *italics* exceed one or more criteria

Values in **bold** face exceed all criteria

Table 15
Area D Confirmation
SVOC Results

Compound	UNRESTRICTED SOIL CLEANUP CRITERIA (SCOs)	NYDEC RSCO (mg/kg)	EX-D-1	EX-D-2	EX-D-3	EX-D-4	EX-D-5	EX-D-6	EX-D-7	EX-D-8
			11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005
2,4,5-Trichlorophenol	NC	0.1-ADL	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
2,4-Dichlorophenol	NC	0.4	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
2,4-Dinitrophenol	NC	0.200-ADL	<0.780	<0.790	<0.770	<0.750	<0.790	<0.800	<0.810	<0.820
2,6-Dinitrotoluene	NC	1.0	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
2-Chlorophenol	NC	0.8	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
2-Methylnaphthalene	NC	36.4	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
2-Nitroaniline	NC	0.430	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
2-Nitrophenol	NC	0.330	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
2-methylphenol	NC	0.100-ADL	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
3-Nitroaniline	NC	0.500	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
4-Chloroaniline	NC	0.220-ADL	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
4-Nitroaniline	NC	NS	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
4-Nitrophenol	NC	0.100-ADL	<0.780	<0.790	<0.770	<0.750	<0.790	<0.800	<0.810	<0.820
4-chloro-3-methylphenol	NC	0.240-ADL	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
4-methylphenol	NC	0.9	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
Acenaphthene	20	50.0	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
Acenaphthylene	100	41.0	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
Aniline	NC	0.1-ADL	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
Anthracene	100	50.0	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
Benzo(a) anthracene	1	0.224-ADL	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
Benzo(a) pyrene	1	0.061-ADL	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
Benzo(b) fluoranthene	1	1.1	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
Benzyl Butyl Phthalate	NC	50.0	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
Chrysene	1	0.4	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
Dibenz(a,h) Anthracene	0.33	0.014-ADL	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
Dibenzofuran	NC	6.2	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
Diethyl Phthalate	NC	7.1	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
Dimethyl Phthalate	NC	2.0	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
Fluoranthene	100	50.0	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
Fluorene	30	50.0	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
Hexachlorobenzene	NC	0.41	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
Indeno(1,2,3-c,d) Pyrene	0.5	3.2	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
Isophorone	NC	4.40	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
Naphthalene	12	13.0	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
Nitrobenzene	NC	0.200-ADL	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
Pentachlorophenol	0.8	1.0	<0.780	<0.790	<0.770	<0.750	<0.790	<0.800	<0.810	<0.820
Phenanthrene	100	50.0	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
Phenol	0.33	0.03-ADL	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
Pyrene	100	50	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
bis(2-ethylhexyl) phthalate	NC	50.0	4	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
di-n-Butyl Phthalate	NC	8.1	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410
di-n-Octyl Phthalate	NC	50.0	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410

The SCOs for unrestricted use were capped at a maximum value of 100 ppm
NC - NO CRITERIA LISTED

Table 15
Area D Confirmation
SVOC Results

Compound	UNRESTRICTED SOIL CLEANUP CRITERIA (SCOs)	NYDEC RSCO (mg/kg)	EX-D-9	EX-D-10	EX-D-11	EX-D-12	EX-D-13	EX-D-14	EX-D-15	EX-D-16	EX-D-17
			11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005
2,4,5-Trichlorophenol	NC	0.1-ADL	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370
2,4-Dichlorophenol	NC	0.4	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370
2,4-Dinitrophenol	NC	0.200-ADL	<0.790	<0.810	<0.790	<0.770	<0.390	<1.2	<0.760	<0.750	<0.740
2,6-Dinitrotoluene	NC	1.0	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370
2-Chlorophenol	NC	0.8	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370
2-Methylnaphthalene	NC	36.4	<0.390	<0.410	<0.400	0.310-J	<0.390	<0.580	<0.380	<0.380	<0.370
2-Nitroaniline	NC	0.430	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370
2-Nitrophenol	NC	0.330	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370
2-methylphenol	NC	0.100-ADL	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370
3-Nitroaniline	NC	0.500	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370
4-Chloroaniline	NC	0.220-ADL	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370
4-Nitroaniline	NC	NS	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370
4-Nitrophenol	NC	0.100-ADL	<0.790	<0.810	<0.790	<0.770	<0.390	<1.2	<0.760	<0.750	<0.740
4-chloro-3-methylphenol	NC	0.240-ADL	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370
4-methylphenol	NC	0.9	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370
Acenaphthene	20	50.0	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370
Acenaphthylene	100	41.0	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370
Aniline	NC	0.1-ADL	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370
Anthracene	100	50.0	<0.390	<0.410	<0.400	0.051-J	<0.390	<0.580	<0.380	<0.380	<0.370
Benzo(a) anthracene	1	0.224-ADL	<0.390	<0.410	<0.400	0.041-J	<0.390	<0.580	<0.380	<0.380	<0.370
Benzo(a) pyrene	1	0.061-ADL	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370
Benzo(b) fluoranthene	1	1.1	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370
Benzyl Butyl Phthalate	NC	50.0	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370
Chrysene	1	0.4	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370
Dibenz(a,h) Anthracene	0.33	0.014-ADL	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370
Dibenzofuran	NC	6.2	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370
Diethyl Phthalate	NC	7.1	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370
Dimethyl Phthalate	NC	2.0	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370
Fluoranthene	100	50.0	<0.390	<0.410	<0.400	0.062-J	<0.390	<0.580	<0.380	<0.380	<0.370
Fluorene	30	50.0	<0.390	<0.410	<0.400	0.037-J	<0.390	<0.580	<0.380	<0.380	<0.370
Hexachlorobenzene	NC	0.41	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370
Indeno(1,2,3-c,d) Pyrene	0.5	3.2	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370
Isophorone	NC	4.40	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370
Naphthalene	12	13.0	<0.390	<0.410	<0.400	1.2	<0.390	<0.580	<0.380	<0.380	<0.370
Nitrobenzene	NC	0.200-ADL	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370
Pentachlorophenol	0.8	1.0	<0.790	<0.810	<0.790	<0.770	<0.390	<1.2	<0.760	<0.750	<0.740
Phenanthrene	100	50.0	<0.390	<0.410	<0.400	0.240-J	<0.390	<0.580	0.053-J	<0.380	<0.370
Phenol	0.33	0.03-ADL	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370
Pyrene	100	50	<0.390	<0.410	<0.400	0.085-J	<0.390	<0.580	0.067-J	<0.380	<0.370
bis(2-ethylhexyl) phthalate	NC	50.0	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370
di-n-Butyl Phthalate	NC	8.1	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370
di-n-Octyl Phthalate	NC	50.0	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370

The SCOs for unrestricted use were capped at a maximum value of 100 ppm
NC - NO CRITERIA LISTED

Table 15
Area D Confirmation
SVOC Results

Compound	UNRESTRICTED SOIL CLEANUP CRITERIA (SCOs)	NYDEC RSCO (mg/kg)	EX-D-						
			EX-D-18	EX-D-19	EX-D-20	Duplicate	EX-D-21	EX-D-22	Duplicate 2
			11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005
2,4,5-Trichlorophenol	NC	0.1-ADL	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
2,4-Dichlorophenol	NC	0.4	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
2,4-Dinitrophenol	NC	0.200-ADL	<0.760	<0.760	<0.840	<0.830	<0.770	<0.750	<0.820
2,6-Dinitrotoluene	NC	1.0	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
2-Chlorophenol	NC	0.8	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
2-Methylnaphthalene	NC	36.4	0.120-J	<0.380	0.052-J	<0.420	<0.380	0.091-J	0.044-J
2-Nitroaniline	NC	0.430	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
2-Nitrophenol	NC	0.330	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
2-methylphenol	NC	0.100-ADL	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
3-Nitroaniline	NC	0.500	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
4-Chloroaniline	NC	0.220-ADL	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
4-Nitroaniline	NC	NS	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
4-Nitrophenol	NC	0.100-ADL	<0.760	<0.760	<0.840	<0.830	<0.770	<0.750	<0.820
4-chloro-3-methylphenol	NC	0.240-ADL	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
4-methylphenol	NC	0.9	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
Acenaphthene	20	50.0	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
Acenaphthylene	100	41.0	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
Aniline	NC	0.1-ADL	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
Anthracene	100	50.0	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
Benzo(a) anthracene	1	0.224-ADL	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	0.054-J
Benzo(a) pyrene	1	0.061-ADL	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	0.040-J
Benzo(b) fluoranthene	1	1.1	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	0.056-J
Benzyl Butyl Phthalate	NC	50.0	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
Chrysene	1	0.4	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	0.056-J
Dibenz(a,h) Anthracene	0.33	0.014-ADL	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
Dibenzofuran	NC	6.2	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
Diethyl Phthalate	NC	7.1	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
Dimethyl Phthalate	NC	2.0	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
Fluoranthene	100	50.0	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
Fluorene	30	50.0	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
Hexachlorobenzene	NC	0.41	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
Indeno(1,2,3-c,d) Pyrene	0.5	3.2	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
Isophorone	NC	4.40	0.067-J	<0.380	0.051-J	<0.420	<0.380	0.076-J	0.043-J
Naphthalene	12	13.0	0.46	0.087-J	0.270-J	<0.420	<0.380	0.58	0.220-J
Nitrobenzene	NC	0.200-ADL	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
Pentachlorophenol	0.8	1.0	<0.760	<0.760	<0.840	<0.830	<0.770	<0.750	<0.820
Phenanthrene	100	50.0	0.130-J	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
Phenol	0.33	0.03-ADL	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
Pyrene	100	50	0.044-J	<0.380	<0.420	<0.420	<0.380	<0.370	0.059-J
bis(2-ethylhexyl) phthalate	NC	50.0	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	0.170-J
di-n-Butyl Phthalate	NC	8.1	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
di-n-Octyl Phthalate	NC	50.0	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	0.062-J

The SCOs for unrestricted use were capped at a maximum value of 100 ppm
NC - NO CRITERIA LISTED

Table 16
Area D Confirmation
VOC Results

NYSDEC PART 375 UNRESTRICTED SOIL CLEANUP		NYDEC RSCO (mg/kg)					
Compound	OBJECTIVES (SCOs)		EX-D-1	EX-D-2	EX-D-3	EX-D-4	EX-D-5
			11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005
1,1,1,-Trichloroethane	0.68	0.8	<0.0058	<0.0059	<0.0058	<0.0056	<0.0059
1,1,2,2-Tetrachloroethane	NC	0.6	<0.0058	<0.0059	<0.0058	<0.0056	<0.0059
1,1,2-Trichloroethane	NC	NS	0.055	<0.0059	0.29	<0.0056	<0.0059
1,1-Dichloroethane	0.27	0.2	<0.0058	<0.0059	<0.0058	<0.0056	<0.0059
1,1-Dichloroethene	0.33		<0.0058	<0.0059	<0.0058	<0.0056	<0.0059
1,2-Dichlorobenzene	1.1	7.9	<0.0058	<0.0059	<0.0058	<0.0056	<0.0059
1,2-Dichloroethane	0.02		<0.0058	<0.0059	<0.0058	<0.0056	<0.0059
1,3-Dichlorobenzene	2.4	1.6	<0.0058	<0.0059	<0.0058	<0.0056	<0.0059
1,2-Dichloropropane	NC		<0.0058	<0.0059	<0.0058	<0.0056	<0.0059
1,4-Dichlorobenzene	1.8	8.5	<0.0058	<0.0059	<0.0058	<0.0056	<0.0059
<i>trans</i> -1,2 Dichloroethene	0.19	0.3	<0.0058	<0.0059	<0.0058	<0.0056	<0.0059
2-Butanone (MEK)	0.12	0.3	<0.012	<0.012	<0.012	<0.011	<0.012
4-Methyl-2-Pentanone (MIBK)	NC	1	<0.012	<0.012	0.02	<0.011	<0.012
Acetone	0.05	0.2	<0.012	<0.012			
Benzene	0.06	0.06	<0.0058	<0.0059	0.022	<0.0056	<0.0059
Bromomethane	NC	NS	<0.012	<0.012	<0.012	<0.011	<0.012
Carbon Disulfide	NC	2.7	<0.0058	<0.0059	<0.0058	<0.0056	<0.0059
Carbon Tetrachloride	0.76	0.6	<0.0058	<0.0059	<0.0058	<0.0056	<0.0059
Chlorobenzene	1.1	1.7	<0.0058	<0.0059	<0.0058	<0.0056	<0.0059
Chloroethane	NC	1.9	<0.012	<0.012	<0.012	<0.011	<0.012
Chloroform	0.37	0.3	<0.0058	<0.0059	<0.0058	<0.0056	<0.0059
Chloromethane	NC	NS	<0.012	<0.012	<0.012	<0.011	<0.012
Dibromochloromethane	NC	NS	<0.0058	<0.0059	<0.0058	<0.0056	<0.0059
Ethylbenzene	1	5.5	0.02	<0.0059	0.73	<0.0056	<0.0059
Freon 113	NC	6	<0.0058	<0.0059	<0.0058	<0.0056	<0.0059
Methylene Chloride	0.05	0.1	<0.012	0.0031-J	0.0045-J	<0.011	<0.012
Styrene	NC	NS	0.0015-J	<0.0059	0.057	<0.0056	<0.0059
Tetrachloroethene	1.3	1.4	<0.0058	<0.0059	<0.0058	<0.0056	<0.0059
Toluene	0.7	1.5	<0.0058	<0.0059	0.22	<0.0056	<0.0059
Trichloroethene	0.47	0.7	<0.0058	<0.0059	<0.0058	<0.0056	<0.0059
Vinyl Chloride	0.02	0.2	<0.012	<0.012	<0.012	<0.011	<0.012
Xylenes	0.26	1.2	0.055	<0.0059	<0.0058	<0.0056	<0.0059

The SCOs for unrestricted use were capped at a maximum value of 100 ppm
 NC - NO CRITERIA LISTED

Table 16
Area D Confirmation
VOC Results

Compound	NYSDEC PART 375 UNRESTRICTED SOIL CLEANUP OBJECTIVES (SCOs)	NYDEC RSCO (mg/kg)	EX-D-6	EX-D-7	EX-D-8	EX-D-9	EX-D-10	EX-D-11	EX-D-12
			11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005
1,1,1,-Trichloroethane	0.68	0.8	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059	<0.0058
1,1,2,2-Tetrachloroethane	NC	0.6	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059	<0.0058
1,1,2-Trichloroethane	NC	NS	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059	0.038-J
1,1-Dichloroethane	0.27	0.2	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059	<0.0058
1,1-Dichloroethene	0.33		<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059	<0.0058
1,2-Dichlorobenzene	1.1	7.9	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059	<0.0058
1,2-Dichloroethane	0.02		<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059	<0.0058
1,3-Dichlorobenzene	2.4	1.6	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059	<0.0058
1,2-Dichloropropane	NC		<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059	<0.0058
1,4-Dichlorobenzene	1.8	8.5	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059	<0.0058
<i>trans</i> -1,2 Dichloroethene	0.19	0.3	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059	<0.0058
2-Butanone (MEK)	0.12	0.3	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.120
4-Methyl-2-Pentanone (MIBK)	NC	1	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.120
Acetone	0.05	0.2	<0.012	<0.012	<0.012	<0.012	0.15	<0.012	<0.120
Benzene	0.06	0.06	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059	<0.0058
Bromomethane	NC	NS	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.120
Carbon Disulfide	NC	2.7	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059	<0.0058
Carbon Tetrachloride	0.76	0.6	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059	<0.0058
Chlorobenzene	1.1	1.7	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059	0.025-J
Chloroethane	NC	1.9	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.120
Chloroform	0.37	0.3	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059	<0.0058
Chloromethane	NC	NS	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.120
Dibromochloromethane	NC	NS	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059	<0.0058
Ethylbenzene	1	5.5	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059	0.23
Freon 113	NC	6	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059	<0.0058
Methylene Chloride	0.05	0.1	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.120
Styrene	NC	NS	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059	0.037-J
Tetrachloroethene	1.3	1.4	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059	<0.0058
Toluene	0.7	1.5	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059	<0.0058
Trichloroethene	0.47	0.7	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059	<0.0058
Vinyl Chloride	0.02	0.2	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.120
Xylenes	0.26	1.2	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059	2.8

The SCOs for unrestricted use were capped at a maximum value of 100 ppb
NC - NO CRITERIA LISTED

Table 16
Area D Confirmation
VOC Results

Compound	NYSDEC PART 375 UNRESTRICTED SOIL CLEANUP OBJECTIVES (SCOs)	NYDEC RSCO (mg/kg)	EX-D-13	EX-D-14	EX-D-15	EX-D-16	EX-D-17	EX-D-18
			11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005
1,1,1,-Trichloroethane	0.68	0.8	<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057
1,1,2,2-Tetrachloroethane	NC	0.6	<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057
1,1,2-Trichloroethane	NC	NS	<0.0059	<0.0086	<0.0057	<0.0056	6.9	0.017-J
1,1-Dichloroethane	0.27	0.2	<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057
1,1-Dichloroethene	0.33		<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057
1,2-Dichlorobenzene	1.1	7.9	<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057
1,2-Dichloroethane	0.02		<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057
1,3-Dichlorobenzene	2.4	1.6	<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057
1,2-Dichloropropane	NC		<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057
1,4-Dichlorobenzene	1.8	8.5	<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057
trans -1,2 Dichloroethene	0.19	0.3	<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057
2-Butanone (MEK)	0.12	0.3	<0.012	<0.017	<0.011	<0.011	<0.110	<0.011
4-Methyl-2-Pentanone (MIBK)	NC	1	<0.012	<0.017	<0.011	<0.011	<0.110	<0.011
Acetone	0.05	0.2	<0.012	<0.017	<0.011	<0.011	<0.110	0.027
Benzene	0.06	0.06	<0.0059	<0.0086	<0.0057	0.0036-J	0.17	0.0094
Bromomethane	NC	NS	<0.012	<0.017	<0.011	<0.011	<0.110	<0.011
Carbon Disulfide	NC	2.7	<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057
Carbon Tetrachloride	0.76	0.6	<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057
Chlorobenzene	1.1	1.7	<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057
Chloroethane	NC	1.9	<0.012	<0.017	<0.011	<0.011	<0.110	<0.011
Chloroform	0.37	0.3	<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057
Chloromethane	NC	NS	<0.012	<0.017	<0.011	<0.011	<0.110	<0.011
Dibromochloromethane	NC	NS	<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057
Ethylbenzene	1	5.5	0.0057-J	<0.0086	<0.0057	0.0027-J	37	0.023-J
Freon 113	NC	6	<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057
Methylene Chloride	0.05	0.1	<0.012	<0.017	<0.011	<0.011	<0.110	<0.011
Styrene	NC	NS	<0.0059	<0.0086	<0.0057	<0.0056	1	0.03
Tetrachloroethene	1.3	1.4	<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057
Toluene	0.7	1.5	<0.0059	<0.0086	<0.0057	<0.0056	2.8	0.075
Trichloroethene	0.47	0.7	<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057
Vinyl Chloride	0.02	0.2	0.0021-J	<0.017	<0.011	0.0025-J	0.023-J	<0.011
Xylenes	0.26	1.2	0.029	<0.0086	<0.0057	0.02	330	0.61

The SCOs for unrestricted use were capped at a maximum value of 100 ppb
NC - NO CRITERIA LISTED

Table 16
Area D Confirmation
VOC Results

Compound	NYSDEC PART 375 UNRESTRICTED SOIL CLEANUP OBJECTIVES (SCOs)	NYDEC RSCO (mg/kg)	EX-D-						
			EX-D-19	EX-D-20	Duplicate	EX-D-21	EX-D-22	Duplicate 2	EX-D-27
			11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/21/2005
1,1,1,-Trichloroethane	0.68	0.8	<0.0057	<0.063	<0.0062	<0.029	<0.056	<0.062	<0.025
1,1,2,2-Tetrachloroethane	NC	0.6	<0.0057	<0.063	<0.0062	<0.029	<0.056	<0.062	<0.025
1,1,2-Trichloroethane	NC	NS	<0.0057	<0.063	<0.0062	0.22	1.1	<0.062	<0.025
1,1-Dichloroethane	0.27	0.2	<0.0057	<0.063	<0.0062	<0.029	<0.056	<0.062	<0.025
1,1-Dichloroethene	0.33		<0.0057	<0.063	<0.0062	<0.029	<0.056	<0.062	<0.025
1,2-Dichlorobenzene	1.1	7.9	<0.0057	<0.063	<0.0062	<0.029	<0.056	<0.062	<0.025
1,2-Dichloroethane	0.02		<0.0057	<0.063	<0.0062	<0.029	<0.056	<0.062	<0.025
1,3-Dichlorobenzene	2.4	1.6	<0.0057	<0.063	<0.0062	<0.029	<0.056	<0.062	<0.025
1,2-Dichloropropane	NC		<0.0057	<0.063	<0.0062	<0.029	<0.056	<0.062	<0.025
1,4-Dichlorobenzene	1.8	8.5	<0.0057	<0.063	<0.0062	<0.029	<0.056	<0.062	<0.025
trans-1,2 Dichloroethene	0.19	0.3	<0.0057	<0.063	<0.0062	<0.029	<0.056	<0.062	<0.025
2-Butanone (MEK)	0.12	0.3	<0.011	<0.130	<0.012	<0.058	<0.110	<0.120	<0.050
4-Methyl-2-Pentanone (MIBK)	NC	1	<0.011	<0.130	<0.012	<0.058	<0.110	<0.120	<0.050
Acetone	0.05	0.2	0.14	0.47	<0.012	0.17	0.18	0.41	<0.050
Benzene	0.06	0.06	0.23	0.39	<0.0062	0.35	0.065	0.094	<0.025
Bromomethane	NC	NS	<0.011	<0.130	<0.012	<0.058	<0.110	<0.120	<0.025
Carbon Disulfide	NC	2.7	<0.0057	<0.063	<0.0062	<0.029	<0.056	<0.062	<0.025
Carbon Tetrachloride	0.76	0.6	<0.0057	<0.063	<0.0062	<0.029	<0.056	<0.062	<0.025
Chlorobenzene	1.1	1.7	<0.0057	<0.063	<0.0062	<0.029	<0.056	<0.062	<0.025
Chloroethane	NC	1.9	<0.011	<0.130	<0.012	<0.058	<0.110	<0.120	<0.050
Chloroform	0.37	0.3	<0.0057	<0.063	<0.0062	<0.029	<0.056	<0.062	<0.025
Chloromethane	NC	NS	<0.011	<0.130	<0.012	<0.058	<0.110	<0.120	<0.050
Dibromochloromethane	NC	NS	<0.0057	<0.063	<0.0062	<0.029	<0.056	<0.062	<0.025
Ethylbenzene	1	5.5	1.1	28	<0.0062	0.7	6.7	0.46	0.13
Freon 113	NC	6	<0.0057	<0.063	<0.0062	<0.029	<0.056	<0.062	<0.025
Methylene Chloride	0.05	0.1	<0.011	0.037-J	<0.012	0.014-J	0.023-J	0.025-J	0.033
Styrene	NC	NS	0.081	0.69	<0.0062	0.23	0.45	0.46	<0.025
Tetrachloroethene	1.3	1.4	<0.0057	<0.063	<0.0062	<0.029	<0.056	<0.062	<0.025
Toluene	0.7	1.5	0.15	0.63	<0.0062	1.2	0.49	0.14	0.03
Trichloroethene	0.47	0.7	<0.0057	<0.063	<0.0062	<0.029	<0.056	<0.062	<0.025
Vinyl Chloride	0.02	0.2	0.016-J	<0.130	<0.012	0.0085-J	0.022-J	<0.120	<0.050
Xylenes	0.26	1.2	0.71	240	<0.0062	16	170	620	1.03

The SCOs for unrestricted use were capped at a maximum value of 100 ppb
 NC - NO CRITERIA LISTED

Table 16
Area D Confirmation
VOC Results

Compound	NYSDEC PART 375 UNRESTRICTED SOIL CLEANUP	NYDEC RSCO (mg/kg)	EX-D					
	OBJECTIVES (SCOs)		EX-D-28	EX-D-29	EX-D-30	EX-D-31	EX-D-32	Duplicate 4
			11/21/2005	11/21/2005	11/21/2005	11/21/2005	11/21/2005	11/21/2005
1,1,1,-Trichloroethane	0.68	0.8	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2,2-Tetrachloroethane	NC	0.6	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2-Trichloroethane	NC	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethane	0.27	0.2	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethene	0.33		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichlorobenzene	1.1	7.9	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloroethane	0.02		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,3-Dichlorobenzene	2.4	1.6	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloropropane	NC		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,4-Dichlorobenzene	1.8	8.5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
<i>trans</i> -1,2 Dichloroethene	0.19	0.3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Butanone (MEK)	0.12	0.3	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4-Methyl-2-Pentanone (MIBK)	NC	1	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Acetone	0.05	0.2	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzene	0.06	0.06	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromomethane	NC	NS	<0.005	<0.010	<0.010	<0.010	<0.010	<0.010
Carbon Disulfide	NC	2.7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon Tetrachloride	0.76	0.6	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorobenzene	1.1	1.7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroethane	NC	1.9	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Chloroform	0.37	0.3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloromethane	NC	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dibromochloromethane	NC	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	1	5.5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Freon 113	NC	6	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methylene Chloride	0.05	0.1	0.006	0.006	<0.005	0.005	0.005	0.006
Styrene	NC	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethene	1.3	1.4	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.7	1.5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichloroethene	0.47	0.7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vinyl Chloride	0.02	0.2	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Xylenes	0.26	1.2	<0.005	<0.005	<0.005	0.012	<0.005	<0.005

The SCOs for unrestricted use were capped at a maximum value of 100 ppb
 NC - NO CRITERIA LISTED

Table 17
Area D Confirmation
Pesticide, PCB, Herbicide Results

NYSDEC PART 375
 UNRESTRICTED
 SOIL CLEANUP
 OBJECTIVES

NYDEC
 RSCO
 (ug/kg)

Compound	(SCOs)	(ug/kg)	EX-D-1	EX-D-2	EX-D-3	EX-D-4	EX-D-5	EX-D-6	EX-D-7
			11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005
4,4-DDD	3.3	2900	1.1-J	3.3	<1.9	<1.9	<2.0	<2.0	0.41-J
4,4-DDE	3.3	2100	0.61-J	1.3-J	<1.9	0.27-J	0.64-J	<2.0	<2.0
4,4-DDT	3.3	2100	2.5	0.82-J	<1.9	<1.9	0.51-J	<2.0	<2.0
Aldrin	5	41.0	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0
Alpha-BHC	20	11.0	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0
Beta-BHC	36	200	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0
Chlordane	94	540	<39	<40	<38	<37	<39	<40	<41
Delta-BHC	40	300	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0
Dieldrin	5	44.0	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0
Endosulfan I	2400	900	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0
Endosulfan II	2400	900	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0
Endosulfan Sulfate	NC	1000	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0
Endrin	14	100	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0
Gamma-BHC (Lindane)	NC	60.0	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0
Heptachlor	42	100	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0
Heptachlor Epoxide	NC	20.0	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0
Methoxychlor	NC	NS	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0
PCB-1016	100	1000	<19	<20	<19	<19	<20	<20	<20
PCB-1221	100	1000	<19	<20	<19	<19	<20	<20	<20
PCB-1232	100	1000	<19	<20	<19	<19	<20	<20	<20
PCB-1242	100	1000	<19	<20	<19	<19	<20	<20	<20
PCB-1248	100	1000	<19	<20	<19	<19	<20	<20	<20
PCB-1254	100	1000	<19	<20	<19	<19	<20	<20	<20
PCB-1260	100	1000	<19	<20	<19	<19	<20	<20	<20
2,4,5-T	NC	1900	<120	<120	<120	<110	<120	<120	<120
2,4,5-TP (Silvex)	3.8	700	<120	<120	<120	<110	<120	<120	<120
2,4-D	NC	500	<120	<120	<120	<110	<120	<120	<120

Table 17
Area D Confirmation
Pesticide, PCB, Herbicide Results

Compound	EX-D-8	EX-D-9	EX-D-10	EX-D-11	EX-D-12	EX-D-13	EX-D-14	EX-D-15	EX-D-16
	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005
4,4-DDD	0.67-J	<2.0	<2.0	<2.0	1.2-J	0.86-J	<2.9	<1.9	<1.9
4,4-DDE	0.47-J	0.46-J	<2.0	<2.0	<1.9	0.58-J	<2.9	<1.9	0.36-J
4,4-DDT	<2.0	0.36-J	<2.0	<2.0	0.72-J	2.3	<2.9	<1.9	<1.9
Aldrin	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.9	<1.9	<1.9
Alpha-BHC	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.9	<1.9	<1.9
Beta-BHC	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.9	<1.9	<1.9
Chlordane	<41	<39	<41	<41	<39	<39	<57	<38	<38
Delta-BHC	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.9	<1.9	<1.9
Dieldrin	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.9	<1.9	<1.9
Endosulfan I	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.9	<1.9	<1.9
Endosulfan II	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.9	<1.9	<1.9
Endosulfan Sulfate	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.9	<1.9	<1.9
Endrin	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.9	<1.9	<1.9
Gamma-BHC (Lindane)	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.9	<1.9	<1.9
Heptachlor	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.9	<1.9	<1.9
Heptachlor Epoxide	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.9	<1.9	<1.9
Methoxychlor	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.9	<1.9	<1.9
PCB-1016	<20	<20	<20	<20	<20	<20	<29	<19	<19
PCB-1221	<20	<20	<20	<20	<20	<20	<29	<19	<19
PCB-1232	<20	<20	<20	<20	<20	<20	<29	<19	<19
PCB-1242	<20	<20	<20	<20	<20	<20	<29	<19	<19
PCB-1248	<20	<20	<20	<20	<20	<20	<29	<19	<19
PCB-1254	<20	<20	<20	<20	<20	<20	<29	<19	<19
PCB-1260	<20	<20	<20	<20	<20	<20	<29	<19	<19
2,4,5-T	<120	<120	<120	<120	<120	<120	<170	<110	<110
2,4,5-TP (Silvex)	<120	<120	<120	<120	<120	<120	<170	<110	<110
2,4-D	<120	<120	<120	<120	<120	<120	<170	<110	<110

Table 17
Area D Confirmation
Pesticide, PCB, Herbicide Results

Compound	EX-D- Duplicate							
	EX-D-17	EX-D-18	EX-D-19	EX-D-20	Duplicate	EX-D-21	EX-D-22	2
	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005
4,4-DDD	1.2-J	1.2-J	<1.9	3	<2.1	<1.9	<1.9	3.9
4,4-DDE	<1.8	0.69-J	<1.9	<2.1	<2.1	<1.9	<1.9	<2.1
4,4-DDT	<1.8	0.66-J	<1.9	<2.1	<2.1	<1.9	<1.9	<2.1
Aldrin	<1.8	<1.9	<1.9	<2.1	<2.1	<1.9	<1.9	<2.1
Alpha-BHC	<1.8	<1.9	<1.9	<2.1	<2.1	<1.9	<1.9	<2.1
Beta-BHC	<1.8	<1.9	<1.9	<2.1	<2.1	<1.9	<1.9	<2.1
Chlordane	<37	<38	<38	<42	<42	<39	<37	<41
Delta-BHC	<1.8	<1.9	<1.9	<2.1	<2.1	<1.9	<1.9	<2.1
Dieldrin	<1.8	<1.9	<1.9	<2.1	<2.1	<1.9	<1.9	<2.1
Endosulfan I	<1.8	<1.9	<1.9	<2.1	<2.1	<1.9	<1.9	<2.1
Endosulfan II	<1.8	<1.9	<1.9	<2.1	<2.1	<1.9	<1.9	<2.1
Endosulfan Sulfate	<1.8	<1.9	<1.9	<2.1	<2.1	<1.9	<1.9	<2.1
Endrin	<1.8	<1.9	<1.9	<2.1	<2.1	<1.9	<1.9	<2.1
Gamma-BHC (Lindane)	<1.8	<1.9	<1.9	<2.1	<2.1	<1.9	<1.9	<2.1
Heptachlor	<1.8	<1.9	<1.9	<2.1	<2.1	<1.9	<1.9	<2.1
Heptachlor Epoxide	<1.8	<1.9	<1.9	<2.1	<2.1	<1.9	<1.9	<2.1
Methoxychlor	<1.8	<1.9	<1.9	<2.1	<2.1	<1.9	<1.9	<2.1
PCB-1016	<18	<19	<19	<21	<21	<19	<19	<21
PCB-1221	<18	<19	<19	<21	<21	<19	<19	<21
PCB-1232	<18	<19	<19	<21	<21	<19	<19	<21
PCB-1242	<18	<19	<19	<21	<21	<19	<19	<21
PCB-1248	<18	<19	<19	<21	<21	<19	<19	<21
PCB-1254	<18	<19	<19	<21	<21	<19	<19	<21
PCB-1260	<18	<19	<19	<21	<21	<19	<19	<21
2,4,5-T	<110	<110	<110	<130	<130	<120	<110	<120
2,4,5-TP (Silvex)	<110	<110	<110	<130	<130	<120	<110	<120
2,4-D	<110	<110	<110	<130	<130	<120	<110	<120

APPENDIX 5

**AREA F, TABLES 2 THROUGH 5 AND 23
THROUGH 24 / POST-EXCAVATION ANALYSES
OF SOILS**

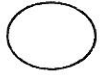
AREA F – POST EXCAVATION SOIL ANALYSIS SUMMARY

FSADVA AOC #2

All post-excavation soil analyses met the unrestricted NYSDEC Part 375 standards for metals, SVOCs and VOCs.

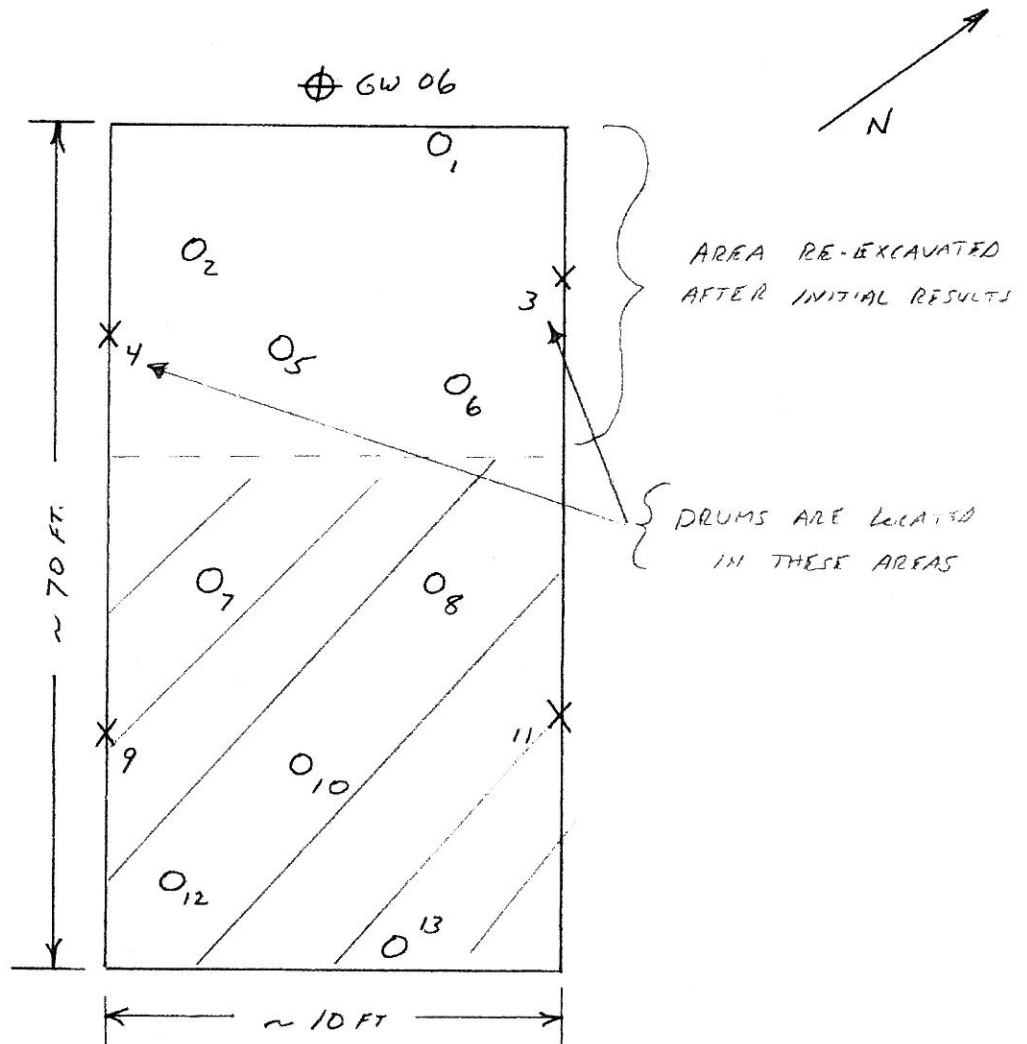
Although several samples from excavated areas exceeded unrestricted pesticide concentrations, those areas were re-excavated, and were not re-tested for pesticides, since the levels met (i.e., did not exceed) the TAGM RSCOs at the time. Those results are also within the current-day residential SCO.

The post-excavation summary tables and sampling location sketches follow in this appendix.



By TPM Date 10/10/05 Subject SCHENECTADY A.D. - AOC 2 Sheet No. _____ of _____

Chkd. By _____ Date _____ AREA F SAMPLE LOCATIONS Proj. No. _____
 .25 in. X .25 in.



X - SIDEWALL SAMPLE

O - FLOOR SAMPLE

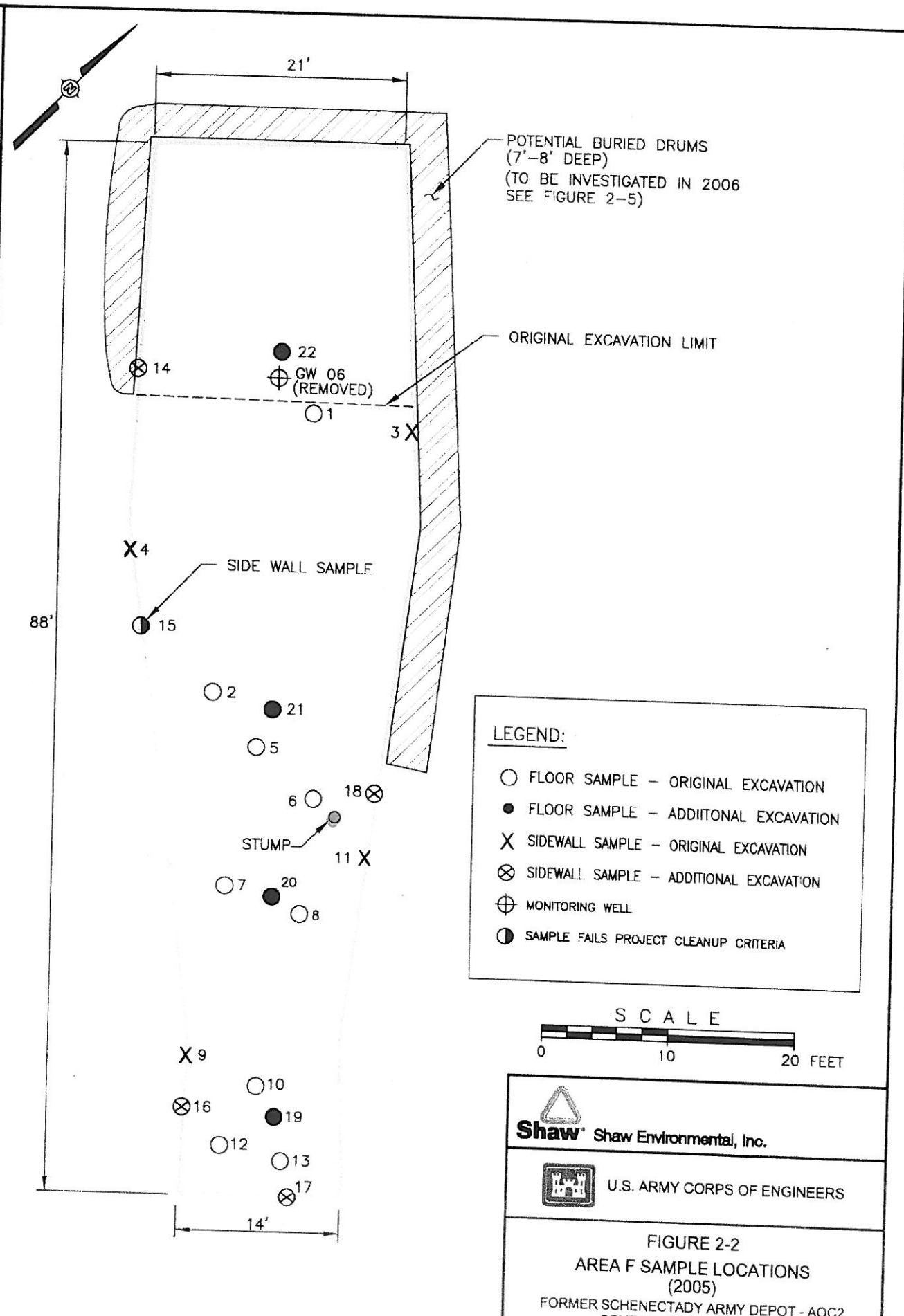
⊕ - MONITORING WELL



- AREA TO BE BACKFILLED

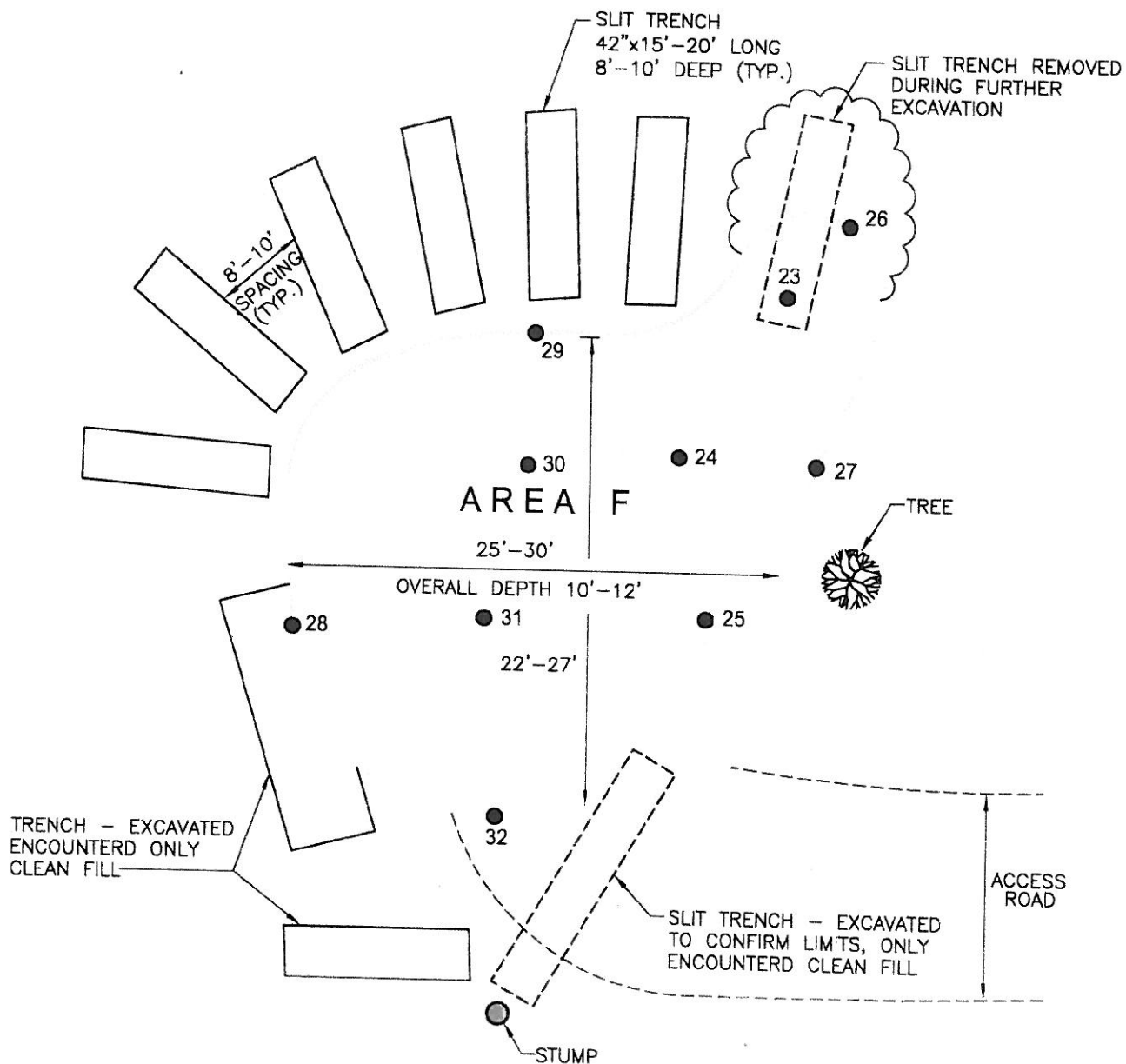
NOT TO SCALE

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
Pittsburgh, PA	2/23/06	T. Mathison	CDB/BBF	---	---	838360-A4



The U.S. Army Corps of Engineers is not responsible for the accuracy of the information provided in this drawing. The user of this drawing is responsible for the accuracy of the information provided in this drawing.

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
Pittsburgh, PA	11/6/06	T. Mathison	B. Faison			838360-A7



LEGEND:

● FLOOR SAMPLE

THIS DRAWING NOT TO SCALE



Shaw Environmental, Inc.



U.S. ARMY CORPS OF ENGINEERS

FIGURE 2-5
AREA F SAMPLE LOCATIONS
(2006)
FORMER SCHENECTADY ARMY DEPOT - AOC2
SCHENECTADY, NEW YORK

Table 2
Area F Confirmation
Metals Results

NYSDEC Part 375 Unrestricted Soil Cleanup		NYDEC (mg/kg)	East US BG	Site BG (mg/kg)								
Metal	Objectives (SCOs)				EX-F-1	EX-F-2	EX-F-3	EX-F-4	EX-F-5	EX-F-6	EX-F-07	
					9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005
Aluminum	NC	SB	33000	7080-12800	14400	15700	20200	14200	13000	21200	15800	
Antimony	NC	SB	NA	0.2-0.59	0.45-J	<1.8	<2.1	<1.6	<1.7	<1.8	<1.8	
Arsenic	13	7.5	3-12	4.3-16.4	7.4	6.7	3.5	4.5	4	3.1	6.3	
Barium	350	300	15-600	33-104	728	170	232	5740	4800	2200	179	
Beryllium	7.2	0.16	0-1.75	0.38-0.67	0.77	0.87	0.78	0.67	0.62	0.64	0.84	
Cadmium	2.5	1	0-1.75	0.21-0.52	0.63	0.44-J	0.36-J	0.64	0.85	0.40-J	0.49-J	
Calcium	NC	SB	130-35000	1280-46600	5690	17100	2530	5780	3610	2210	3300	
Chromium	30 (TRIVALENT)	10	1.5-40	9.3-17.5	27.1	19.3	18.8	16.5	15.4	18.5	18.9	
Cobalt	NC	30	2.5-60	5.3-12.2	10.6	9.9	6.6	7	6.8	4.1	10	
Copper	50	25	1-50	13.4-26.9	38.4	28.9	17.9	25.5	22.6	11.9	24	
Iron	NC	2000	2000-550000	14100-25700	43700	27400	15900	21100	18500	18200	27200	
Lead	63	SB	NA	16.5-60.8	33.1	15.2	16.5	38.2	54.6	18	16.3	
Magnesium	NC	SB	100-5000	2150-13100	4640	4870	3400	4480	3500	2730	4480	
Manganese	1600	SB	50-5000	197-875	234	284	135	260	187	115	225	
Mercury	0.18	0.1	0.001-0.2	0.039-0.095	0.029-J	0.030-J	0.054	0.035	0.06	0.049	0.043	
Nickel	30	13	0.5-25	10.6-24.8	34.8	25.1	16.9	21.5	19.2	13.7	24.4	
Potassium	NC	SB	8500-43000	443-1660	1640	1640	1370	1630	1490	1200	1500	
Selenium	3.9	2	0.1-3.9	0.44-1.2	0.81-J	0.30-J	0.55-J	0.64-J	0.66-J	0.41-J	0.46-J	
Silver	2	SB	NA	0.16-0.17	<0.27	<0.28	<0.31	<0.24	<0.25	<0.27	<0.27	
Thallium	NC	SB	NA	ND-0.67	<2.7	<2.8	<3.1	<2.4	0.31-J	<2.7	0.35-J	
Vanadium	NC	150	1-300	13.7-24	26.3	29.1	30.7	23.5	22.7	29.8	29.4	
Zinc	109	20	9-50	46-134	328	86.1	103	7010	10200	598	107	

NC - NO CRITERIA LISTED

The SCOs for unrestricted use were capped at a maximum value of 100 ppm

Values in *italics* exceed one or more criteria
 Values in **bold face** exceed all criteria

Table 2
Area F Confirmation
Metals Results

NYSDEC Part 375 Unrestricted Soil Cleanup			Metals Results									Area-F North Comp
Metal	Objectives (SCOs)	NYDEC (mg/kg)	East US BG	Site BG (mg/kg)	EX-F-8	EX-F-9	EX-F-10	EX-F-11	EX-F-12	EX-F-13		
					9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/30/2005	
Aluminum	NC	SB	33000	7080-12800	14800	19200	16300	17100	17800	15000	11900	
Antimony	NC	SB	NA	0.2-0.59	<1.6	<1.8	<1.6	0.40-J	<1.5	<1.8	<3.0	
Arsenic	13	7.5	3-12	4.3-16.4	6.2	6.3	3.6	5.2	4.7	5	<0.25	
Barium	350	300	15-600	33-104	67.3	102	72.9	189	115	76.6	326	
Beryllium	7.2	0.16	0-1.75	0.38-0.67	0.8	0.8	0.68	0.8	0.7	0.76	0.69	
Cadmium	2.5	1	0-1.75	0.21-0.52	0.52	0.35-J	0.55	0.47-J	0.45	0.41-J	<0.25	
Calcium	NC	SB	130-35000	1280-46600	4190	1940	3420	2360	2310	2310	2080	
Chromium	30 (TRIVALENT)	10	1.5-40	9.3-17.5	18.9	22.9	18.3	19.2	18.2	18	13	
Cobalt	NC	30	2.5-60	5.3-12.2	13	5.2	6.5	7.5	5.5	6.8	5.17	
Copper	50	25	1-50	13.4-26.9	26.3	13.8	20.2	21.6	13.7	20.7	19.5	
Iron	NC	2000	2000-550000	14100-25700	27500	24200	19100	25300	21100	22400	24000	
Lead	63	SB	NA	16.5-60.8	16.1	10.4	21	16.9	17.2	12.7	8.73	
Magnesium	NC	SB	100-5000	2150-13100	4910	3750	3710	3470	3050	3570	2790	
Manganese	1600	SB	50-5000	197-875	459	93.6	202	157	127	156	133	
Mercury	0.18	0.1	0.001-0.2	0.039-0.095	0.053	0.046	0.072	0.034-J	0.037	0.033-J	<0.020	
Nickel	30	13	0.5-25	10.6-24.8	25.6	15.6	17.9	20.2	15.7	20.4	15.6	
Potassium	NC	SB	8500-43000	443-1660	1540	1490	1430	1290	1270	1280	439	
Selenium	3.9	2	0.1-3.9	0.44-1.2	0.70-J	0.36-J	0.47-J	0.52	0.57-J	0.63-J	<0.25	
Silver	2	SB	NA	0.16-0.17	<0.23	<0.28	<0.24	<0.23	<0.22	<0.27	<1.00	
Thallium	NC	SB	NA	ND-0.67	<2.3	<2.8	<2.4	<2.3	<2.2	<2.7	<0.50	
Vanadium	NC	150	1-300	13.7-24	29.4	34.1	27.4	28.9	29.3	26.5	20	
Zinc	109	20	9-50	46-134	74.5	47	80	94	70.2	63.2	302	

NC - NO CRITERIA LISTED

The SCOs for unrestricted use were capped at a maximum value of 100 ppm

Values in *italics* exceed one or more criteria

Values in **bold face** exceed all criteria

Table 2
Area F Confirmation
Metals Results

NYSDEC Part 375 Unrestricted Soil Cleanup		NYDEC	East US BG	Site BG (mg/kg)	EX-F-Supp 1	EX-F-Supp 2	EX-F-14	EX-F-15	EX-F-16	EX-F-17
Metal	Objectives (SCOs)	(mg/kg)			10/7/2005	10/7/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005
Aluminum	NC	SB	33000	7080-12800	9470	6240	10100	8920	7870	5820
Antimony	NC	SB	NA	0.2-0.59	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00
Arsenic	13	7.5	3-12	4.3-16.4	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Barium	350	300	15-600	33-104	458	<i>210</i>	22.8	395	23	16.8
Beryllium	7.2	0.16	0-1.75	0.38-0.67	<i>0.42</i>	<i>0.28</i>	<i>0.72</i>	<i>0.57</i>	<i>0.39</i>	<i>0.33</i>
Cadmium	2.5	1	0-1.75	0.21-0.52	<0.25	0.7	<0.25	<0.25	<0.25	<0.25
Calcium	NC	SB	130-35000	1280-46600	6510	1710	1000	3240	1420	1340
Chromium	30 (TRIVALENT)	10	1.5-40	9.3-17.5	12.6	6.32	<i>18.1</i>	<i>14.4</i>	<i>14.7</i>	<i>10.8</i>
Cobalt	NC	30	2.5-60	5.3-12.2	4.56	<2.50	7.82	7.63	7.55	5.45
Copper	50	25	1-50	13.4-26.9	26.5	11.5	<i>27.1</i>	19.8	23.1	15.4
Iron	NC	2000	2000-550000	14100-25700	<i>18700</i>	<i>9950</i>	<i>15900</i>	<i>13000</i>	<i>17900</i>	<i>10400</i>
Lead	63	SB	NA	16.5-60.8	43.3	11.2	7.89	10.7	7.05	5.12
Magnesium	NC	SB	100-5000	2150-13100	5260	1800	4260	3550	3190	2620
Manganese	1600	SB	50-5000	197-875	206	95.2	130	203	124	126
Mercury	0.18	0.1	0.001-0.2	0.039-0.095	0.015	<0.010	<0.020	0.03	0.028	0.02
Nickel	30	13	0.5-25	10.6-24.8	20.4	9.77	4.14	<2.50	<2.50	<2.50
Potassium	NC	SB	8500-43000	443-1660	913	729	408	492	488	336
Selenium	3.9	2	0.1-3.9	0.44-1.2	<i>3.73</i>	7.97	<0.25	<0.25	<0.25	<0.25
Silver	2	SB	NA	0.16-0.17	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Thallium	NC	SB	NA	ND-0.67	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Vanadium	NC	150	1-300	13.7-24	16.7	10.3	14	11.6	11.2	8.29
Zinc	109	20	9-50	46-134	10100	25400	58	398	50	40.7

NC - NO CRITERIA LISTED

The SCOs for unrestricted use were capped at a maximum value of 100 ppm

Values in *italics* exceed one or more criteria

Values in **bold face** exceed all criteria

Table 2
Area F Confirmation
Metals Results

NYSDEC Part 375 Unrestricted Soil Cleanup		NYDEC	East US BG	Site BG (mg/kg)	EX-F-18	EX-F-19	EX-F-20	EX-F-21	EX-F-22
Metal	Objectives (SCOs)	(mg/kg)			11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005
Aluminum	NC	SB	33000	7080-12800	11900	7700	9980	7540	8850
Antimony	NC	SB	NA	0.2-0.59	<3.00	<3.00	<3.00	<3.00	<3.00
Arsenic	13	7.5	3-12	4.3-16.4	<0.25	<0.25	<0.25	<0.25	<0.25
Barium	350	300	15-600	33-104	79.5	43.6	58.2	60.3	30
Beryllium	7.2	0.16	0-1.75	0.38-0.67	0.97	0.42	0.56	0.42	0.4
Cadmium	2.5	1	0-1.75	0.21-0.52	<0.25	<0.25	<0.25	<0.25	<0.25
Calcium	NC	SB	130-35000	1280-46600	2650	18400	15500	12300	13300
Chromium	30 (TRIVALENT)	10	1.5-40	9.3-17.5	17.1	14.4	18.9	14.2	17.9
Cobalt	NC	30	2.5-60	5.3-12.2	13.5	7.87	9.67	7.46	9.9
Copper	50	25	1-50	13.4-26.9	22.9	22.7	30.7	22	27.7
Iron	NC	2000	2000-550000	14100-25700	13400	16200	20500	13600	18000
Lead	63	SB	NA	16.5-60.8	8.05	6.2	7.75	4.97	11
Magnesium	NC	SB	100-5000	2150-13100	3820	6720	8350	6660	8440
Manganese	1600	SB	50-5000	197-875	225	365	440	360	466
Mercury	0.18	0.1	0.001-0.2	0.039-0.095	0.024	0.024	0.025	0.022	0.028
Nickel	30	13	0.5-25	10.6-24.8	8.63	3.8	6.12	3.45	7.11
Potassium	NC	SB	8500-43000	443-1660	589	951	1130	872	841
Selenium	3.9	2	0.1-3.9	0.44-1.2	<0.25	<0.25	<0.25	<0.25	<0.25
Silver	2	SB	NA	0.16-0.17	<1.00	<1.00	<1.00	<1.00	<1.00
Thallium	NC	SB	NA	ND-0.67	<0.50	<0.50	<0.50	<0.50	<0.50
Vanadium	NC	150	1-300	13.7-24	16.5	9.95	12.7	9.67	10.9
Zinc	109	20	9-50	46-134	50.5	50.6	64.8	48	53.9

NC - NO CRITERIA LISTED

The SCOs for unrestricted use were capped at a maximum value of 100 ppm

Values in *italics* exceed one or more criteria

Values in **bold** face exceed all criteria

Table 3
Area F Confirmation
SVOC Results

Compound	NYSDEC PART 375 UNRESTRICTED SOIL CLEANUP CRITERIA (SCOs)		NYDEC RSCO (mg/kg)	EX-F-1	EX-F-2	EX-F-3	EX-F-4	EX-F-5	EX-F-6	EX-F-7
				9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005
2,4,5-Trichlorophenol	NC	0.1-ADL	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
2,4-Dichlorophenol	NC	0.4	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
2,4-Dinitrophenol	NC	0.200	<0.760	<0.760	<0.760	<0.910	<0.780	<0.750	<0.790	<0.780
2,6-Dinitrotoluene	NC	1.0	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
2-Chlorophenol	NC	0.8	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
2-Methylnaphthalene	NC	36.4	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
2-Nitroaniline	NC	0.430	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
2-Nitrophenol	NC	0.330	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
2-methylphenol	NC	0.100-ADL	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
3-Nitroaniline	NC	0.500	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
4-Chloroaniline	NC	0.220-ADL	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
4-Nitroaniline	NC	NS	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
4-Nitrophenol	NC	0.100-ADL	<0.760	<0.760	<0.760	<0.910	<0.780	<0.750	<0.790	<0.780
4-chloro-3-methylphenol	NC	0.240-ADL	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
4-methylphenol	NC	0.9	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
Acenaphthene	20	50.0	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
Acenaphthylene	100	41.0	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
Aniline	NC	0.1-ADL	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
Anthracene	100	50.0	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
Benzo(a) anthracene	1	0.224-ADL	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
Benzo(a) pyrene	1	0.061-ADL	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
Benzo(b) fluoranthene	1	1.1	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
Benzyl Butyl Phthalate	NC	50.0	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
Chrysene	1	0.4	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
Dibenz(a,h) Anthracene	0.33	0.014-ADL	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
Dibenzofuran	NC	6.2	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
Diethyl Phthalate	NC	7.1	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
Dimethyl Phthalate	NC	2.0	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
Fluoranthene	100	50.0	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
Fluorene	30	50.0	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
Hexachlorobenzene	NC	0.41	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
Indeno(1,2,3-c,d) Pyrene	0.5	3.2	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
Isophorone	NC	4.40	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
Naphthalene	12	13.0	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
Nitrobenzene	NC	0.200-ADL	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
Pentachlorophenol	0.8	1.0	<0.760	<0.760	<0.760	<0.910	<0.780	<0.750	<0.790	<0.780
Phenanthrene	100	50.0	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
Phenol	0.33	0.03-ADL	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
Pyrene	100	50	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
bis(2-ethylhexyl) phthalate	NC	50.0	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
di-n-Butyl Phthalate	NC	8.1	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390
di-n-Octyl Phthalate	NC	50.0	<0.380	<0.380	<0.380	<0.460	<0.390	<0.370	<0.400	<0.390

The SCOs for unrestricted use were capped at a maximum value of 100 ppm
NC - NO CRITERIA LISTED

Table 3
Area F Confirmation
SVOC Results

Compound	NYSDEC PART 375 UNRESTRICTED SOIL CLEANUP CRITERIA (SCOs)		NYDEC RSCO (mg/kg)	EX-F-8 9/23/2005	EX-F-9 9/23/2005	EX-F-10 9/23/2005	EX-F-11 9/23/2005	EX-F-12 9/23/2005	EX-F-13 9/23/2005
2,4,5-Trichlorophenol	NC	0.1-ADL	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
2,4-Dichlorophenol	NC	0.4	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
2,4-Dinitrophenol	NC	0.200	<0.750	<0.820	<0.790	<0.810	<0.790	<0.780	<0.780
2,6-Dinitrotoluene	NC	1.0	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
2-Chlorophenol	NC	0.8	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
2-Methylnaphthalene	NC	36.4	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
2-Nitroaniline	NC	0.430	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
2-Nitrophenol	NC	0.330	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
2-methylphenol	NC	0.100-ADL	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
3-Nitroaniline	NC	0.500	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
4-Chloroaniline	NC	0.220-ADL	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
4-Nitroaniline	NC	NS	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
4-Nitrophenol	NC	0.100-ADL	<0.750	<0.820	<0.790	<0.810	<0.790	<0.780	<0.780
4-chloro-3-methylphenol	NC	0.240-ADL	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
4-methylphenol	NC	0.9	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
Acenaphthene	20	50.0	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
Acenaphthylene	100	41.0	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
Aniline	NC	0.1-ADL	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
Anthracene	100	50.0	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
Benzo(a) anthracene	1	0.224-ADL	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
Benzo(a) pyrene	1	0.061-ADL	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
Benzo(b) fluoranthene	1	1.1	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
Benzyl Butyl Phthalate	NC	50.0	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
Chrysene	1	0.4	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
Dibenz(a,h) Anthracene	0.33	0.014-ADL	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
Dibenzofuran	NC	6.2	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
Diethyl Phthalate	NC	7.1	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
Dimethyl Phthalate	NC	2.0	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
Fluoranthene	100	50.0	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
Fluorene	30	50.0	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
Hexachlorobenzene	NC	0.41	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
Indeno(1,2,3-c,d) Pyrene	0.5	3.2	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
Isophorone	NC	4.40	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
Naphthalene	12	13.0	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
Nitrobenzene	NC	0.200-ADL	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
Pentachlorophenol	0.8	1.0	<0.750	<0.820	<0.790	<0.810	<0.790	<0.780	<0.780
Phenanthrene	100	50.0	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
Phenol	0.33	0.03-ADL	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
Pyrene	100	50	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
bis(2-ethylhexyl) phthalate	NC	50.0	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	220
di-n-Butyl Phthalate	NC	8.1	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390
di-n-Octyl Phthalate	NC	50.0	<0.370	<0.410	<0.400	<0.410	<0.400	<0.390	<0.390

The SCOs for unrestricted use were capped at a maximum value of 100 ppm
NC - NO CRITERIA LISTED

Table 4
Area F Confirmation
VOC Results

NYSDEC PART 375
 UNRESTRICTED SOIL
 CLEANUP

Compound	OBJECTIVES (SCOs)	NYDEC RSCO (mg/kg)	EX-F-1	EX-F-2	EX-F-3	EX-F-4	EX-F-5
			9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005
1,1,1-Trichloroethane	0.68	0.8	<0.0065	<0.0051	<0.0062	<0.0060	<0.0056
1,1,2,2-Tetrachloroethane	NC	0.6	<0.0065	<0.0051	<0.0062	<0.0060	<0.0056
1,1,2-Trichloroethane	NC	NS	<0.0065	<0.0051	<0.0062	<0.0060	<0.0056
1,1-Dichloroethane	0.27	0.2	<0.0065	<0.0051	<0.0062	<0.0060	<0.0056
1,2-Dichlorobenzene	1.1	7.9	<0.0065	<0.0051	<0.0062	<0.0060	<0.0056
1,3-Dichlorobenzene	2.4	1.6	<0.0065	<0.0051	<0.0062	<0.0060	<0.0056
1,4-Dichlorobenzene	1.8	8.5	<0.0065	<0.0051	<0.0062	<0.0060	<0.0056
trans-1,2 Dichloroethene	0.19	0.3	<0.0065	<0.0051	<0.0062	<0.0060	<0.0056
2-Butanone (MEK)	0.12	0.3	<0.013	<0.010	<0.012	<0.012	<0.011
4-Methyl-2-Pentanone (MIBK)	NC	1	<0.013	<0.010	<0.012	<0.012	<0.011
Acetone	0.05	0.2	0.011-J	0.011-J	0.016	0.039	0.015
Benzene	0.06	0.06	<0.0065	<0.0051	<0.0062	0.0032-J	<0.0056
Bromomethane	NC	NS	<0.013	<0.010	<0.012	0.0023-J	0.0019-J
Carbon Disulfide	NC	2.7	<0.0065	<0.0051	<0.0062	0.015	<0.0056
Carbon Tetrachloride	0.76	0.6	<0.0065	<0.0051	<0.0062	<0.0060	<0.0056
Chlorobenzene	1.1	1.7	<0.0065	<0.0051	<0.0062	<0.0060	<0.0056
Chloroethane	NC	1.9	<0.013	<0.010	<0.012	<0.012	<0.011
Chloroform	0.37	0.3	<0.0065	<0.0051	0.0038-J	<0.0060	<0.0056
Chloromethane	NC	NS	0.0032-J	0.0035-J	0.0058-J	<0.0060	0.0033-J
Dibromochloromethane	NC	NS	<0.0065	<0.0051	<0.0062	<0.0060	<0.0056
Ethylbenzene	1	5.5	<0.0065	<0.0051	<0.0062	0.0050-J	<0.0056
Freon 113	NC	6	<0.0065	<0.0051	<0.0062	<0.0060	<0.0056
Methylene Chloride	0.05	0.1	<0.0065	0.0011-J	0.0022-J	<0.012	0.0013-J
Styrene	NC	NS	<0.0065	<0.0051	<0.0062	<0.0060	<0.0056
Tetrachloroethene	1.3	1.4	<0.0065	<0.0051	<0.0062	<0.0060	<0.0056
Toluene	0.7	1.5	<0.0065	<0.0051	<0.0062	0.0018	<0.0056
Trichloroethene	0.47	0.7	<0.0065	<0.0051	<0.0062	<0.0060	<0.0056
Vinyl Chloride	0.02	0.2	<0.013	<0.010	<0.012	<0.012	<0.011
Xylenes	0.26	1.2	<0.0065	<0.0051	<0.0062	0.023	<0.0056

The SCOs for unrestricted use were capped at a maximum value of 100 ppm

NC - NO CRITERIA LISTED

Table 4
Area F Confirmation
VOC Results

NYSDEC PART 375
 UNRESTRICTED SOIL
 CLEANUP

NYDEC RSCO
 (mg/kg)

Compound	OBJECTIVES (SCOs)		EX-F-6 9/23/2005	EX-F-7 9/23/2005	EX-F-8 9/23/2005	EX-F-9 9/23/2005	EX-F-10 9/23/2005	EX-F-11 9/23/2005
1,1,1-Trichloroethane	0.68	0.8	<0.0057	<0.0058	<0.0047	<0.0058	<0.0059	<0.0064
1,1,2,2-Tetrachloroethane	NC	0.6	<0.0057	<0.0058	<0.0047	<0.0058	<0.0059	<0.0064
1,1,2-Trichloroethane	NC	NS	<0.0057	<0.0058	<0.0047	<0.0058	<0.0059	<0.0064
1,1-Dichloroethane	0.27	0.2	<0.0057	<0.0058	<0.0047	<0.0058	<0.0059	<0.0064
1,2-Dichlorobenzene	1.1	7.9	<0.0057	<0.0058	<0.0047	<0.0058	<0.0059	<0.0064
1,3-Dichlorobenzene	2.4	1.6	<0.0057	<0.0058	<0.0047	<0.0058	<0.0059	<0.0064
1,4-Dichlorobenzene	1.8	8.5	<0.0057	<0.0058	<0.0047	<0.0058	<0.0059	<0.0064
trans-1,2 Dichloroethene	0.19	0.3	<0.0057	<0.0058	<0.0047	<0.0058	<0.0059	<0.0064
2-Butanone (MEK)	0.12	0.3	<0.011	<0.012	<0.0094	<0.012	<0.012	<0.013
4-Methyl-2-Pentanone (MIBK)	NC	1	<0.011	<0.012	<0.0094	<0.012	<0.012	<0.013
Acetone	0.05	0.2	0.023	0.021	0.0092-J	0.021	0.014	<0.013
Benzene	0.06	0.06	<0.0057	0.0032-J	<0.0047	<0.0058	<0.0059	<0.0064
Bromomethane	NC	NS	<0.011	<0.012	<0.0094	<0.012	<0.012	<0.013
Carbon Disulfide	NC	2.7	<0.0057	<0.0058	<0.0047	<0.0058	<0.0059	<0.0064
Carbon Tetrachloride	0.76	0.6	<0.0057	<0.0058	<0.0047	<0.0058	<0.0059	<0.0064
Chlorobenzene	1.1	1.7	<0.0057	<0.0058	<0.0047	<0.0058	<0.0059	<0.0064
Chloroethane	NC	1.9	<0.011	<0.012	<0.0094	<0.012	<0.012	<0.013
Chloroform	0.37	0.3	0.0036-J	<0.0058	<0.0047	0.0040-J	0.0044-J	0.0045-J
Chloromethane	NC	NS	0.0054-J	<0.012	0.0029-J	0.0050-J	<0.012	<0.013
Dibromochloromethane	NC	NS	<0.0057	<0.0058	<0.0047	<0.0058	<0.0059	<0.0064
Ethylbenzene	1	5.5	<0.0057	0.0033-J	<0.0047	<0.0058	<0.0059	0.0014-J
Freon 113	NC	6	<0.0057	<0.0058	<0.0047	<0.0058	<0.0059	<0.0064
Methylene Chloride	0.05	0.1	0.0016-J	0.0027-J	<0.0094	0.0016-J	0.0025-J	0.0016-J
Styrene	NC	NS	<0.0057	<0.0058	<0.0047	<0.0058	<0.0059	<0.0064
Tetrachloroethene	1.3	1.4	<0.0057	<0.0058	<0.0047	<0.0058	<0.0059	<0.0064
Toluene	0.7	1.5	<0.0057	0.014	<0.0047	<0.0058	<0.0059	<0.0064
Trichloroethene	0.47	0.7	<0.0057	<0.0058	<0.0047	<0.0058	<0.0059	<0.0064
Vinyl Chloride	0.02	0.2	<0.011	<0.012	<0.0094	<0.012	<0.012	<0.013
Xylenes	0.26	1.2	<0.0057	0.0094	<0.0047	<0.0058	<0.0059	<0.0064

The SCOs for unrestricted use were capped at a maximum value of 100 ppm
 NC - NO CRITERIA LISTED

Table 4
Area F Confirmation
VOC Results

NYSDEC PART 375
UNRESTRICTED SOIL
CLEANUP

Compound	OBJECTIVES (SCOs)	NYDEC RSCO (mg/kg)	EX-F-12	EX-F-13	EX-F-14	EX-F-15	EX-F-16	EX-F-17
			9/23/2005	9/23/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005
1,1,1-Trichloroethane	0.68	0.8	<0.0063	<0.0058	<0.005	<0.005	<0.005	<0.005
1,1,2,2-Tetrachloroethane	NC	0.6	<0.0063	<0.0058	<0.005	<0.005	<0.005	<0.005
1,1,2-Trichloroethane	NC	NS	<0.0063	<0.0058	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethane	0.27	0.2	<0.0063	<0.0058	<0.005	<0.005	<0.005	<0.005
1,2-Dichlorobenzene	1.1	7.9	<0.0063	<0.0058	<0.005	<0.005	<0.005	<0.005
1,3-Dichlorobenzene	2.4	1.6	<0.0063	<0.0058	<0.005	<0.005	<0.005	<0.005
1,4-Dichlorobenzene	1.8	8.5	<0.0063	<0.0058	<0.005	<0.005	<0.005	<0.005
trans-1,2 Dichloroethene	0.19	0.3	<0.0063	<0.0058	<0.005	<0.005	<0.005	<0.005
2-Butanone (MEK)	0.12	0.3	<0.013	<0.012	<0.010	<0.010	<0.010	<0.010
4-Methyl-2-Pentanone (MIBK)	NC	1	<0.013	<0.012	<0.010	<0.010	<0.010	<0.010
Acetone	0.05	0.2	<0.013	0.015	<0.010	0.014	<0.010	<0.010
Benzene	0.06	0.06	0.0022-J	0.004	<0.005	<0.005	<0.005	<0.005
Bromomethane	NC	NS	<0.013	<0.0058	<0.010	<0.010	<0.010	<0.010
Carbon Disulfide	NC	2.7	<0.0063	<0.0058	<0.005	<0.005	<0.005	<0.005
Carbon Tetrachloride	0.76	0.6	<0.0063	<0.0058	<0.005	<0.005	<0.005	<0.005
Chlorobenzene	1.1	1.7	<0.0063	<0.0058	<0.005	<0.005	<0.005	<0.005
Chloroethane	NC	1.9	<0.013	<0.012	<0.010	<0.010	<0.010	<0.010
Chloroform	0.37	0.3	0.0035-J	<0.0058	<0.005	<0.005	<0.005	<0.005
Chloromethane	NC	NS	<0.013	<0.012	<0.010	<0.010	<0.010	<0.010
Dibromochloromethane	NC	NS	<0.0063	<0.0058	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	1	5.5	0.0023-J	0.0041	<0.005	<0.005	<0.005	<0.005
Freon 113	NC	6	<0.0063	<0.0058	<0.005	<0.005	<0.005	<0.005
Methylene Chloride	0.05	0.1	<0.013	<0.012	<0.005	<0.005	<0.005	<0.005
Styrene	NC	NS	<0.0063	<0.0058	<0.005	<0.005	<0.005	<0.005
Tetrachloroethene	1.3	1.4	<0.0063	<0.0058	<0.005	<0.005	<0.005	<0.005
Toluene	0.7	1.5	<0.0063	0.24	<0.005	<0.005	<0.005	<0.005
Trichloroethene	0.47	0.7	<0.0063	<0.0058	<0.005	<0.005	<0.005	<0.005
Vinyl Chloride	0.02	0.2	<0.013	<0.012	<0.010	<0.010	<0.010	<0.010
Xylenes	0.26	1.2	0.009	0.26	<0.005	<0.005	<0.005	<0.005

The SCOs for unrestricted use were capped at a maximum value of 100 ppm

NC - NO CRITERIA LISTED

Table 4
Area F Confirmation
VOC Results

NYSDEC PART 375
 UNRESTRICTED SOIL

Compound	CLEANUP OBJECTIVES (SCOs)	NYDEC RSCO (mg/kg)	EX-F-						EX-F- Duplicate#2
			11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	
1,1,1-Trichloroethane	0.68	0.8	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2,2-Tetrachloroethane	NC	0.6	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2-Trichloroethane	NC	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethane	0.27	0.2	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichlorobenzene	1.1	7.9	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,3-Dichlorobenzene	2.4	1.6	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,4-Dichlorobenzene	1.8	8.5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,2 Dichloroethene	0.19	0.3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Butanone (MEK)	0.12	0.3	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4-Methyl-2-Pentanone (MIBK)	NC	1	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Acetone	0.05	0.2	<0.010	0.031	0.011	0.017	0.013	<0.010	<0.010
Benzene	0.06	0.06	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromomethane	NC	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Carbon Disulfide	NC	2.7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon Tetrachloride	0.76	0.6	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorobenzene	1.1	1.7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroethane	NC	1.9	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Chloroform	0.37	0.3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloromethane	NC	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dibromochloromethane	NC	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	1	5.5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Freon 113	NC	6	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methylene Chloride	0.05	0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Styrene	NC	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethene	1.3	1.4	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.7	1.5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichloroethene	0.47	0.7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vinyl Chloride	0.02	0.2	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Xylenes	0.26	1.2	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

The SCOs for unrestricted use were capped at a maximum value of 100 ppm

NC - NO CRITERIA LISTED

Table 5
Area F Confirmation
Pesticide, PCb, Herbicide Results

NYSDEC PART
 375
 UNRESTRICTED
 SOIL CLEANUP
 OBJECTIVES

NYDEC RSCO
 (ug/kg)

Compound	(SCOs)	(ug/kg)	EX-F-1 9/23/2005	EX-F-2 9/23/2005	EX-F-3 9/23/2005	EX-F-4 9/23/2005	EX-F-5 9/23/2005	EX-F-6 9/23/2005	EX-F-7 9/23/2005
4,4-DDD	3.3	2900	2.3	0.83	0.46	<2.0	8.8	0.53	3.6
4,4-DDE	3.3	2100	2	2.1	<2.3	<2.0	2.9	<2.0	0.53
4,4-DDT	3.3	2100	2.6	3.1	<2.3	<2.0	63	0.39	0.58
Aldrin	5	41	<1.9	<1.9	<2.3	<2.0	<1.9	<2.0	<2.0
Alpha-BHC	20	110	<1.9	<1.9	<2.3	<2.0	<1.9	<2.0	<2.0
Beta-BHC	36	200	<1.9	<1.9	<2.3	<2.0	<1.9	<2.0	<2.0
Chlordane	94	540	<38	<38	<46	<39	<37	<40	<39
Delta-BHC	40	300	<1.9	<1.9	<2.3	<2.0	<1.9	<2.0	<2.0
Dieldrin	5	44	<1.9	<1.9	<2.3	<2.0	<1.9	<2.0	<2.0
Endosulfan I	2400	900	<1.9	<1.9	<2.3	<2.0	<1.9	<2.0	<2.0
Endosulfan II	2400	900	<1.9	<1.9	<2.3	<2.0	<1.9	<2.0	<2.0
Endosulfan Sulfate	NC	1000	<1.9	<1.9	<2.3	<2.0	<1.9	<2.0	<2.0
Endrin	14	100	<1.9	<1.9	<2.3	<2.0	<1.9	<2.0	<2.0
Gamma-BHC (Lindane)	NC	60	<1.9	<1.9	<2.3	<2.0	<1.9	<2.0	<2.0
Heptachlor	42	100	<1.9	<1.9	<2.3	<2.0	<1.9	<2.0	<2.0
Heptachlor Epoxide	NC	20	<1.9	<1.9	<2.3	<2.0	<1.9	<2.0	<2.0
Methoxychlor	NC	NS	<1.9	<1.9	<2.3	<2.0	<1.9	<2.0	<2.0
PCB-1016	100	1000	<19	<19	<23	<19	<19	<20	<19
PCB-1221	100	1000	<19	<19	<23	<19	<19	<20	<19
PCB-1232	100	1000	<19	<19	<23	<19	<19	<20	<19
PCB-1242	100	1000	<19	<19	<23	<19	<19	<20	<19
PCB-1248	100	1000	<19	<19	<23	<19	<19	<20	<19
PCB-1254	100	1000	<19	<19	<23	<19	<19	<20	<19
PCB-1260	100	1000	<19	<19	<23	<19	<19	<20	<19
2,4,5-T	NC	1900	<110	<110	<140	<120	<110	<120	<120
2,4,5-TP (Silvex)	3.8	700	<110	<110	<140	<120	<110	<120	<120
2,4-D	NC	500	<110	<110	<140	<120	<110	<120	<120

The SCOs for unrestricted use were capped at a maximum value of 100 ppm

NC - NO CRITERIA LISTED

Table 5
Area F Confirmation
Pesticide, PCb, Herbicide Results

NYSDEC PART
 375
 UNRESTRICTED
 SOIL CLEANUP
 OBJECTIVES

NYDEC RSCO
 (ug/kg)

Compound	(SCOs)	(ug/kg)	EX-F-8 9/23/2005	EX-F-9 9/23/2005	EX-F-10 9/23/2005	EX-F-11 9/23/2005	EX-F-12 9/23/2005	EX-F-13 9/23/2005
4,4-DDD	3.3	2900	0.92	<2.0	3.6	6.1	6.6	12
4,4-DDE	3.3	2100	3.3	0.27	4.8	1.4	1.4	0.45
4,4-DDT	3.3	2100	3.4	<2.0	2.3	0.54	0.4	<2.0
Aldrin	5	41	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0
Alpha-BHC	20	110	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0
Beta-BHC	36	200	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0
Chlordane	94	540	<37	<41	<40	<41	<40	<39
Delta-BHC	40	300	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0
Dieldrin	5	44	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0
Endosulfan I	2400	900	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0
Endosulfan II	2400	900	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0
Endosulfan Sulfate	NC	1000	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0
Endrin	14	100	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0
Gamma-BHC (Lindane)	NC	60	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0
Heptachlor	42	100	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0
Heptachlor Epoxide	NC	20	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0
Methoxychlor	NC	NS	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0
PCB-1016	100	1000	<19	<20	<20	<20	<20	<20
PCB-1221	100	1000	<19	<20	<20	<20	<20	<20
PCB-1232	100	1000	<19	<20	<20	<20	<20	<20
PCB-1242	100	1000	<19	<20	<20	<20	<20	<20
PCB-1248	100	1000	<19	<20	<20	<20	<20	<20
PCB-1254	100	1000	<19	<20	<20	<20	<20	<20
PCB-1260	100	1000	<19	<20	<20	<20	<20	<20
2,4,5-T	NC	1900	<110	<120	<120	<120	<120	<120
2,4,5-TP (Silvex)	3.8	700	<110	<120	<120	<120	<120	<120
2,4-D	NC	500	<110	<120	<120	<120	<120	<120

The SCOs for unrestricted use were capped at a maximum value
 NC - NO CRITERIA LISTED

Table 23
Area F Confirmation
Metals Results

NYSDEC Part 375 Unrestricted Soil Cleanup Objectives (SCOs)		NYDEC (mg/kg)	East US BG	Site BG (mg/kg)	EX-F-23	EX-F-24	EX-F-24A	EX-F-25	EX-F-25A	EX-F-26	EX-F-27
Metal					9/7/2006	9/7/2006	9/13/2006	9/7/2006	9/13/2006	9/7/2006	9/7/2006
Aluminum	NC	SB	33000	7080-12800	8500	11300	11800	10400	5340	11700	7090
Antimony	NC	SB	NA	0.2-0.59	<13.0/0.2	85.3	<13.0/0.2	34.4	<13.5/0.2	24.5	16.5
Arsenic	13	7.5	3-12	4.3-16.4	<1.08	<1.28	1.66	<1.13	1.76	<1.18	<1.11
Barium	350	300	15-600	33-104	42.9	3070	103	721	42.4	46.5	52.6
Beryllium	7.2	0.16	0-1.75	0.38-0.67	<1.08	<1.28	0.55 J	<1.13	0.28 J	<1.18	<1.11
Cadmium	2.5	1	0-1.75	0.21-0.52	<1.08	<1.28	<1.08	<1.13	<1.12	<1.18	<1.11
Calcium	NC	SB	130-35000	1280-46600	19900	3860	23800	19800	10400	2630	14600
Chromium	30 (TRIVALENT)	10	1.5-40	9.3-17.5	14.3	25.9	21.6	19.3	10.2	19.8	12.1
Cobalt	NC	30	2.5-60	5.3-12.2	12.7	316	23.9	81.7	11.3	17.3	11.8
Copper	50	25	1-50	13.4-26.9	23	32.7	35.5	28.3	19.8	34.3	18.8
Iron	NC	2000	2000-550000	14100-25700	15900	20600	32600	17000	14700	17000	12700
Lead	63	SB	NA	16.5-60.8	<1.08	<1.28	<1.08	<1.13	<1.12	<1.18	<1.11
Magnesium	NC	SB	100-5000	2150-13100	7490	5790	9770	8530	4660	5230	5960
Manganese	1600	SB	50-5000	197-875	444	287	548	497	334	130	371
Mercury	0.18	0.1	0.001-0.2	0.039-0.095	<0.217	<0.257	<0.108	<0.226	<0.112	<0.236	<0.222
Nickel	30	13	0.5-25	10.6-24.8	<10.8	<12.8	<10.8	<11.3	<11.2	<11.8	<11.1
Potassium	NC	SB	8500-43000	443-1660	1230	925	1320	1590	545	1040	995
Selenium	3.9	2	0.1-3.9	0.44-1.2	<1.08	<1.28	<1.08	<1.13	<1.12	<1.18	<1.11
Silver	2	SB	NA	0.16-0.17	<4.33	<5.13	<4.33	<4.52	<4.50	<4.72	<4.44
Thallium	NC	SB	NA	ND-0.67	<2.17	<2.57	<2.16	<2.26	<2.25	<2.36	<2.22
Vanadium	NC	150	1-300	13.7-24	10.6	15.6	13.4	14.3	5.2 J	16.3	<11.1
Zinc	109	20	9-50	46-134	54	1040	74.1	428	28.8	79.3	76.3

NC - NO CRITERIA LISTED

The SCOs for unrestricted use were capped at a maximum value of 100 ppm

Table 23
Area F Confirmation
Metals Results

NYSDEC Part 375 Unrestricted Soil Cleanup Objectives (SCOs)		NYDEC (mg/kg)	East US BG	Site BG (mg/kg)	EX-F-27A	EX-F-28	EX-F-29	EX-F-30	EX-F-30A	EX-F-31	EX-F-31A	EX-F-32	EX-F-32A
Metal					9/13/2006	9/8/2006	9/8/2006	9/8/2006	9/13/2006	9/9/2006	9/13/2006	9/9/2006	9/13/2006
Aluminum	NC	SB	33000	7080-12800	9790	12000	11200	7950	7320	9350	11200	14900	12700
Antimony	NC	SB	NA	0.2-0.59	0.26-J	<14.7/0.2	<15.2/0.2	<13.6/0.2	<13.1/0.2	6.9-J	<13.2/0.2	<14.9/0.2	<14.3/0.2
Arsenic	13	7.5	3-12	4.3-16.4	0.18	1.44	<1.27	<1.13	<1.10	2.19	0.52-J	<1.24	0.12-J
Barium	350	300	15-600	33-104	29.5	111	53.2	669	246	454	113	511	62.3
Beryllium	7.2	0.16	0-1.75	0.38-0.67	0.54 J	<1.22	<1.27	<1.13	0.35 J	0.43 J	0.60 J	0.67 J	0.99 J
Cadmium	2.5	1	0-1.75	0.21-0.52	<1.20	<1.22	<1.27	<1.13	<1.10	<1.11	<1.10	<1.24	<1.19
Calcium	NC	SB	130-35000	1280-46600	2500	1450	1440	27000	20000	19500	23500	4300	3320
Chromium	30 (TRIVALENT)	10	1.5-40	9.3-17.5	18	18.8	19.8	13.6	13.2	16.6	19.9	20.9	21
Cobalt	NC	30	2.5-60	5.3-12.2	33	15.8	19.2	73.9	32.1	54.8	24.0	58.8	14.9
Copper	50	25	1-50	13.4-26.9	42.2	25.3	19.4	16.4	22.8	19.5	32.4	19.3	42.4
Iron	NC	2000	2000-550000	14100-25700	27100	19400	20000	16000	16600	16400	28400	18600	24900
Lead	63	SB	NA	16.5-60.8	<1.20	<1.22	<1.27	<1.13	<1.10	<1.11	<1.10	<1.24	<1.19
Magnesium	NC	SB	100-5000	2150-13100	4680	3630	4230	7230	7080	6620	9190	4720	5380
Manganese	1600	SB	50-5000	197-875	222	97.4	91.9	360	397	487	520	228	117
Mercury	0.18	0.1	0.001-0.2	0.039-0.095	<0.120	<0.244	<0.253	<0.226	<0.110	<0.111	<0.110	<0.124	<0.119
Nickel	30	13	0.5-25	10.6-24.8	6.7 J	<12.2	<12.7	<11.3	<11.0	<11.1	0.23 J	<12.4	<11.9
Potassium	NC	SB	8500-43000	443-1660	710	518	1080	822	791	1380	1280	1380	702
Selenium	3.9	2	0.1-3.9	0.44-1.2	<1.20	<1.22	<1.27	<1.13	<1.10	<1.11	<1.10	<1.24	<1.19
Silver	2	SB	NA	0.16-0.17	<4.80	<4.89	<5.06	<4.52	<4.36	<4.46	<4.39	<4.97	<4.75
Thallium	NC	SB	NA	ND-0.67	<2.40	<2.44	<2.53	<2.26	<2.19	<2.23	<2.20	<2.48	<2.38
Vanadium	NC	150	1-300	13.7-24	13.8	19.3	14.4	<11.3	9.1 J	11.3	12.9	18.5	14.9
Zinc	109	20	9-50	46-134	88.3	48.8	69.1	218	45.1	160	63.8	159	64

NC - NO CRITERIA LISTED

The SCOs for unrestricted use were capped at a maximum value of 100 ppm

Values in *italics* exceed one or more criteria

Values in **bold** face exceed all criteria

A designations indicate post re-excavation samples

Table 24
Area F-2006
Confirmation
VOCs

NYSDEC PART 375
UNRESTRICTED SOIL
CLEANUP OBJECTIVES NYDEC RSCO

Compound	(SCOs)	(mg/kg)	EX-F-23	EX-F-24	EX-F-25	EX-F-26	EX-F-27
			9/7/2006	9/7/2006	9/7/2006	9/7/2006	9/7/2006
1,1,1-Trichloroethane	0.68	0.8	<0.005	<0.006	<0.006	<0.006	<0.006
1,1,2,2-Tetrachloroethane	NC	0.6	<0.005	<0.006	<0.006	<0.006	<0.006
1,1,2-Trichloroethane	NC	NS	<0.005	<0.006	<0.006	<0.006	<0.006
1,1-Dichloroethane	0.27	0.2	<0.005	<0.006	<0.006	<0.006	<0.006
1,2-Dichlorobenzene	1.1	7.9	<0.005	<0.006	<0.006	<0.006	<0.006
1,3-Dichlorobenzene	2.4	1.6	<0.005	<0.006	<0.006	<0.006	<0.006
1,4-Dichlorobenzene	1.8	8.5	<0.005	<0.006	<0.006	<0.006	<0.006
<i>trans</i> -1,2 Dichloroethene	0.19	0.3	<0.005	<0.006	<0.006	<0.006	<0.006
2-Butanone (MEK)	0.12	0.3	0.12	<0.013	<0.011	<0.012	<0.011
4-Methyl-2-Pentanone (MIBK)	NC	1	<0.011	<0.013	<0.011	<0.012	<0.011
Acetone	0.05	0.2	<0.011	0.016	0.015	<0.012	<0.011
Benzene	0.06	0.06	<0.005	<0.006	<0.006	<0.006	<0.006
Bromomethane	NC	NS	<0.011	<0.013	<0.011	<0.012	<0.011
Carbon Disulfide	NC	2.7	<0.005	<0.006	<0.006	<0.006	<0.006
Carbon Tetrachloride	0.76	0.6	<0.005	<0.006	<0.006	<0.006	<0.006
Chlorobenzene	1.1	1.7	<0.005	<0.006	<0.006	<0.006	<0.006
Chloroethane	NC	1.9	<0.011	<0.013	<0.011	<0.012	<0.011
Chloroform	0.37	0.3	<0.005	<0.006	<0.006	<0.006	<0.006
Chloromethane	NC	NS	<0.011	<0.013	<0.011	<0.012	<0.011
Dibromochloromethane	NC	NS	<0.005	<0.006	<0.006	<0.006	<0.006
Ethylbenzene	1	5.5	<0.005	<0.006	<0.006	<0.006	<0.006
Freon 113	NC	6	<0.005	<0.006	<0.006	<0.006	<0.006
Methylene Chloride	0.05	0.1	0.01	0.008	0.01	0.007	0.006
Styrene	NC	NS	<0.005	<0.006	<0.006	<0.006	<0.006
Tetrachloroethene	1.3	1.4	<0.005	<0.006	<0.006	<0.006	<0.006
Toluene	0.7	1.5	<0.005	<0.006	<0.006	<0.006	<0.006
Trichloroethene	0.47	0.7	<0.005	<0.006	<0.006	<0.006	<0.006
Vinyl Chloride	0.02	0.2	<0.011	<0.013	<0.011	<0.012	<0.011
Xylenes	0.26	1.2	<0.005	<0.006	<0.006	<0.006	<0.006

The SCOs for unrestricted use were capped at a maximum value of 100 ppm

NC - NO CRITERIA LISTED

Table 24
Area F-2006
Confirmation
VOCs

NYSDEC PART 375
UNRESTRICTED SOIL
CLEANUP OBJECTIVES NYDEC RSCO

Compound	(SCOs)	(mg/kg)	EX-F-28 9/8/2006	EX-F-29 9/8/2006	EX-F-30 9/8/2006	EX-F-31 9/9/2006	EX-F-32 9/9/2006
1,1,1-Trichloroethane	0.68	0.8	<0.006	<0.006	<0.006	<0.006	<0.006
1,1,2,2-Tetrachloroethane	NC	0.6	<0.006	<0.006	<0.006	<0.006	<0.006
1,1,2-Trichloroethane	NC	NS	<0.006	<0.006	<0.006	<0.006	<0.006
1,1-Dichloroethane	0.27	0.2	<0.006	<0.006	<0.006	<0.006	<0.006
1,2-Dichlorobenzene	1.1	7.9	<0.006	<0.006	<0.006	<0.006	<0.006
1,3-Dichlorobenzene	2.4	1.6	<0.006	<0.006	<0.006	<0.006	<0.006
1,4-Dichlorobenzene	1.8	8.5	<0.006	<0.006	<0.006	<0.006	<0.006
trans-1,2 Dichloroethene	0.19	0.3	<0.006	<0.006	<0.006	<0.006	<0.006
2-Butanone (MEK)	0.12	0.3	<0.012	<0.013	<0.011	<0.011	<0.012
4-Methyl-2-Pentanone (MIBK)	NC	1	<0.012	<0.013	<0.011	<0.011	<0.012
Acetone	0.05	0.2	<0.012	<0.013	<0.011	<0.011	<0.012
Benzene	0.06	0.06	<0.006	<0.006	<0.006	<0.006	<0.006
Bromomethane	NC	NS	<0.012	<0.013	<0.011	<0.011	<0.012
Carbon Disulfide	NC	2.7	<0.006	<0.006	<0.006	<0.006	<0.006
Carbon Tetrachloride	0.76	0.6	<0.006	<0.006	<0.006	<0.006	<0.006
Chlorobenzene	1.1	1.7	<0.006	<0.006	<0.006	<0.006	<0.006
Chloroethane	NC	1.9	<0.012	<0.013	<0.011	<0.011	<0.012
Chloroform	0.37	0.3	<0.006	<0.006	<0.006	<0.006	<0.006
Chloromethane	NC	NS	<0.012	<0.013	<0.011	<0.011	<0.012
Dibromochloromethane	NC	NS	<0.006	<0.006	<0.006	<0.006	<0.006
Ethylbenzene	1	5.5	<0.006	<0.006	<0.006	<0.006	<0.006
Freon 113	NC	6	<0.006	<0.006	<0.006	<0.006	<0.006
Methylene Chloride	0.05	0.1	0.006	0.008	<0.006	<0.006	0.011
Styrene	NC	NS	<0.006	<0.006	<0.006	<0.006	<0.006
Tetrachloroethene	1.3	1.4	<0.006	<0.006	<0.006	<0.006	<0.006
Toluene	0.7	1.5	<0.006	<0.006	<0.006	<0.006	<0.006
Trichloroethene	0.47	0.7	<0.006	<0.006	<0.006	<0.006	<0.006
Vinyl Chloride	0.02	0.2	<0.012	<0.013	<0.011	<0.011	<0.012
Xylenes	0.26	1.2	<0.006	<0.006	<0.006	<0.006	<0.006

The SCOs for unrestricted use were capped at a maximum value of 100 ppm

NC - NO CRITERIA LISTED

APPENDIX 6

**AREAS OF INTEREST/POST-EXCAVATION OF
SOILS (AOI 5 AND AOI 6)**

AREA OF INTEREST (AOI 5) – POST EXCAVATION SOIL ANALYSIS SUMMARY

FSADVA AOC #2

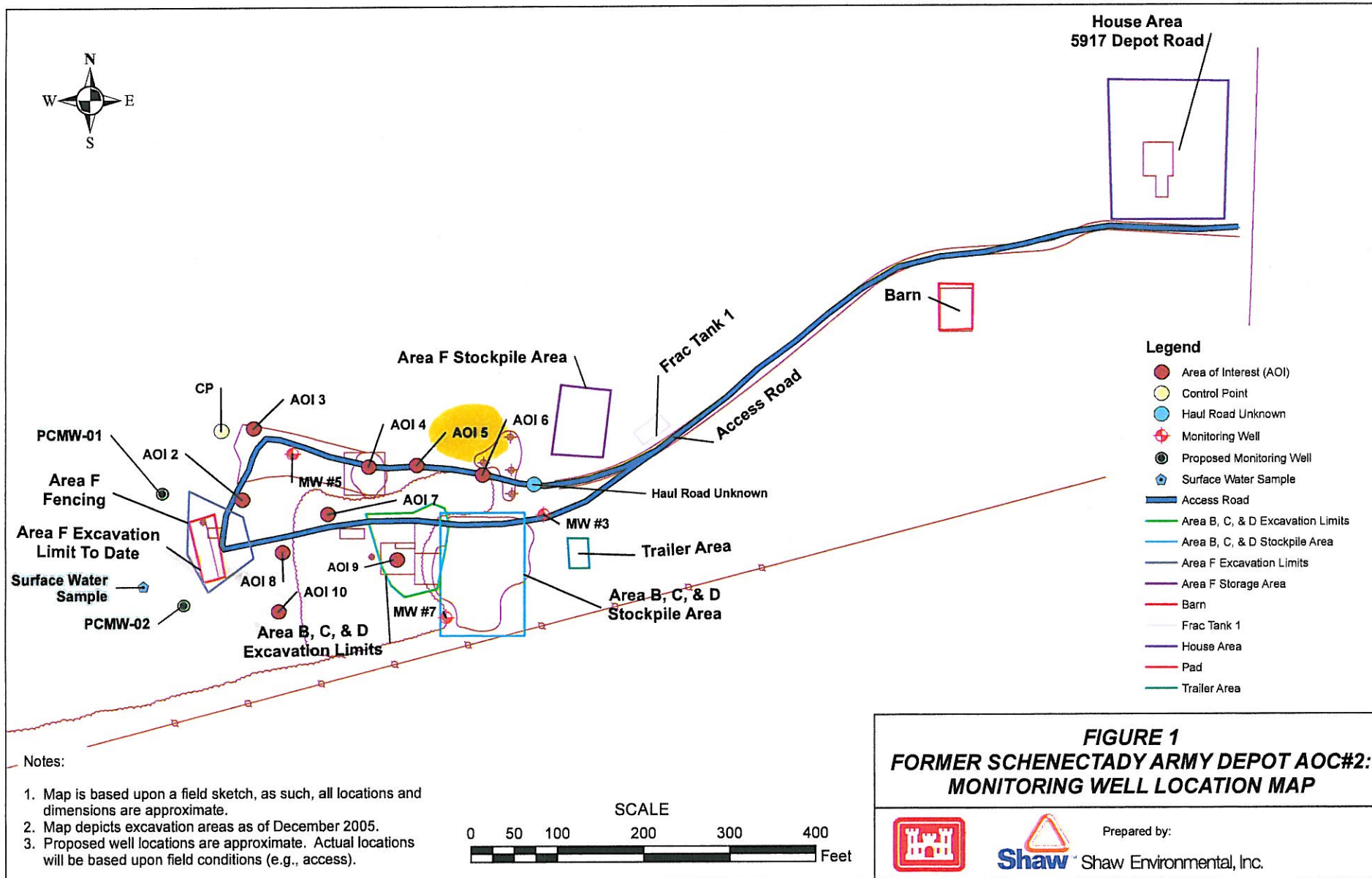
All post-excavation soil analyses met the unrestricted NYSDEC Part 375 standards for metals, with the exception of nickel (a data analysis memorandum, at Appendix 8, notes that nickel is a background condition); arsenic was found at locations EX-AOI5-001A and EX-AOI5-002A (at 13.2 and 13.3 mg/kg) slightly exceeding the unrestricted value of 13.0 mg/kg, however, those locations were re-excavated, but not re-tested for arsenic. Zinc was found at 111 mg/kg, slightly above the unrestricted criteria of 109 mg/kg at EX-AOI5-005A, however this location was also re-excavated, but not re-tested for zinc.

All post-excavation soil analyses met the unrestricted NYSDEC Part 375 standards for VOCs, SVOCs and pesticides.

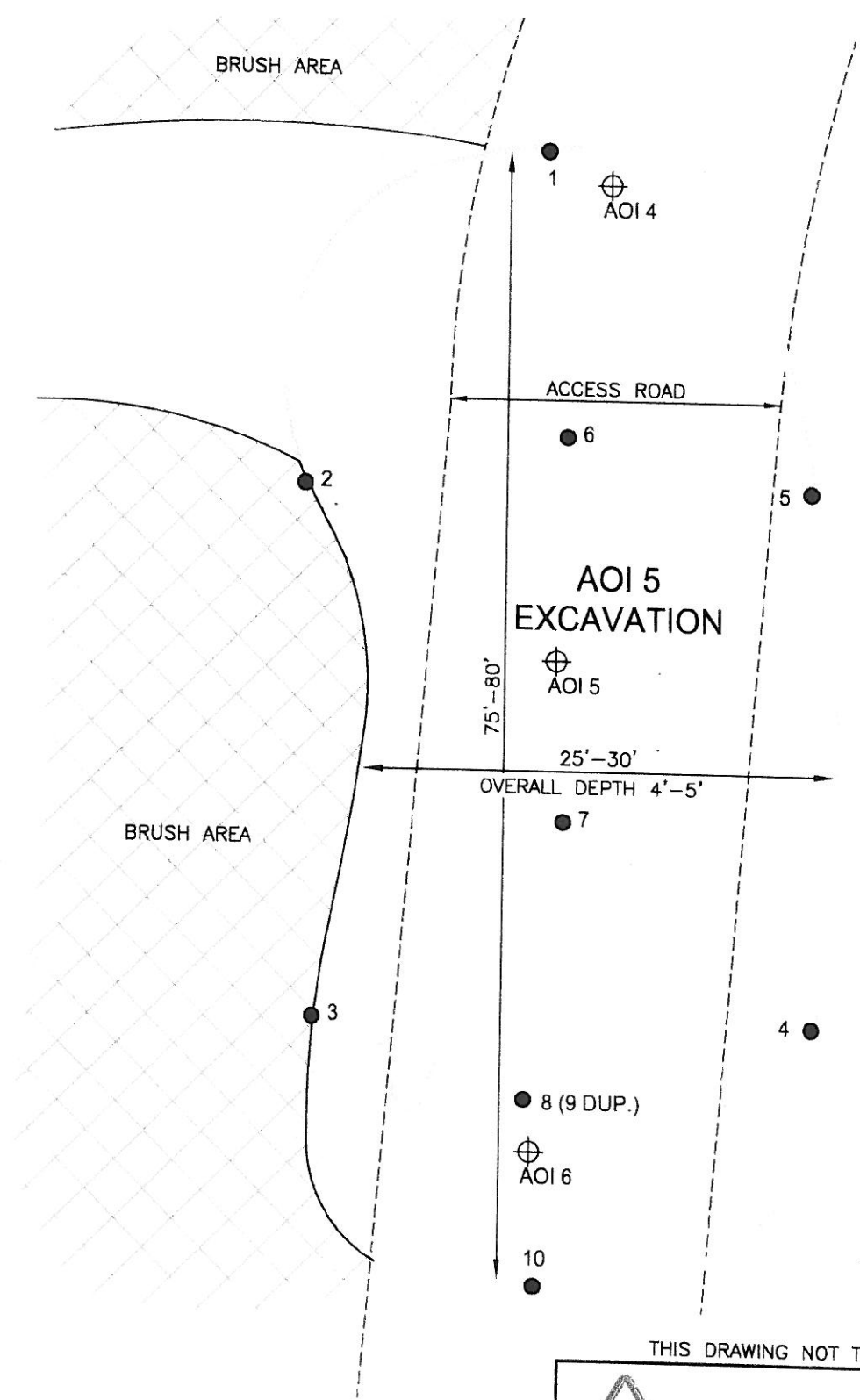
AREA OF INTEREST (AOI 6) – POST EXCAVATION SOIL ANALYSIS SUMMARY

Table 27 shows a result for another area of interest that was evaluated as AOI 6. VOC samples were taken, which resulted in finding methyl ethyl ketone (MEK) at 0.19 mg/kg. At that time, the result met the TAGM RSCO (0.30 mg/kg) and the area was backfilled; the new unrestricted standard is currently 0.12 mg/kg, and the residential standard is 100 mg/kg.

The post-excavation analysis summary tables and sampling location sketches follow in this appendix.



OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
Pittsburgh, PA	11/8/06	T. Mathison	B. Faison	---	---	838360-A8



LEGEND:

- FLOOR SAMPLE
- ⊕ MONITORING WELL

THIS DRAWING NOT TO SCALE

Shaw Shaw Environmental, Inc.

U.S. ARMY CORPS OF ENGINEERS

FIGURE 2-6
AOI 5 SAMPLE LOCATIONS
(2006)
 FORMER SCHENECTADY ARMY DEPOT - AOC2
 SCHENECTADY, NEW YORK

File: Q:\Projects\838360-A8\Drawings\838360-A8.dwg
 User: jmathison
 Date: 11/8/2006
 Time: 10:08:10 AM
 Plot: 11/8/2006 10:08:10 AM

Table 25
Areas of Interest
Investigation and Confirmation
Metals

NYSDEC Part 375 Unrestricted Soil Cleanup		NYDEC (mg/kg)	East US BG	Site BG (mg/kg)						
Metal	Objectives (SCOs)				TP-AOI-1/Area F	TP-AOI5-1	DS-AOI5-001	TP-AOI6-1	EX-AOI6-001*	EX-AOI5-001
					12/5/2005	11/30/2005	9/11/2006	11/30/2005	9/12/2006	9/18/2006
Aluminum	NC	SB	33000	7080-12800	8560	<i>8550</i>	<i>15300</i>	<i>10400</i>	<i>16200</i>	<i>15600</i>
Antimony	NC	SB	NA	0.2-0.59	<3.45	<3.00	0.48-J	<3.00	<i>15.6</i>	0.33-J
Arsenic	13	7.5	3-12	4.3-16.4	<0.29	<0.25	<i>9.5</i>	<0.25	1.57	<i>8.0</i>
Barium	350	300	15-600	33-104	45.9	<i>38.1</i>	79.8	<i>39.2</i>	60.9	71.7
Beryllium	7.2	0.16	0-1.75	0.38-0.67	<i>0.41</i>	0.44	0.77	0.54	0.55-J	0.75
Cadmium	2.5	1	0-1.75	0.21-0.52	<0.29	<0.25	0.47-J	<0.25	<1.12	0.39-J
Calcium	NC	SB	130-35000	1280-46600	10200	18700	37800	11800	22400	13800
Chromium	30 (TRIVALENT)	10	1.5-40	9.3-17.5	<i>13.7</i>	<i>18.8</i>	<i>23.8</i>	<i>16</i>	<i>26.4</i>	<i>23.3</i>
Cobalt	NC	30	2.5-60	5.3-12.2	8.51	9.25	15.6	5.96	21.2	<i>14.2</i>
Copper	50	25	1-50	13.4-26.9	<i>26.3</i>	<i>48</i>	<i>44.7</i>	8.24	<i>36.7</i>	<i>36.3</i>
Iron	NC	2000	2000-550000	14100-25700	<i>14400</i>	<i>34600</i>	<i>35400</i>	<i>23300</i>	<i>15800</i>	<i>33900</i>
Lead	63	SB	NA	16.5-60.8	10.5	21.1	<i>16.9</i>	10.7	<1.12	<i>19.9</i>
Magnesium	NC	SB	100-5000	2150-13100	<i>6180</i>	<i>5900</i>	<i>8670</i>	<i>5650</i>	<i>8550</i>	<i>6660</i>
Manganese	1600	SB	50-5000	197-875	306	<i>362</i>	<i>497</i>	<i>394</i>	573	<i>659</i>
Mercury	0.18	0.1	0.001-0.2	0.039-0.095	<0.023	<0.020	0.038-J	<0.020	<0.112	0.039
Nickel	30	13	0.5-25	10.6-24.8	<i>19.8</i>	<i>24.5</i>	35.1	<i>17.1</i>	<11.2	30.6
Potassium	NC	SB	8500-43000	443-1660	672	<i>779</i>	<i>2460</i>	<i>720</i>	<i>2320</i>	<i>1890</i>
Selenium	3.9	2	0.1-3.9	0.44-1.2	<0.29	<0.25	<0.21	<0.25	<1.12	<0.18
Silver	2	SB	NA	0.16-0.17	<1.15	<1.00	<0.054	<1.00	<4.49	<0.047
Thallium	NC	SB	NA	D-0.67	<0.58	<0.50	<i>1.1-J</i>	<0.50	<2.25	0.98-J
Vanadium	NC	150	1-300	13.7-24	15.5	16.3	27.6	17.3	19.7	<i>28.2</i>
Zinc	109	20	9-50	46-134	<i>58</i>	<i>76.1</i>	<i>93.8</i>	<i>54.9</i>	<i>86.2</i>	<i>87.3</i>

NC - NO CRITERIA LISTED

The SCOs for unrestricted use were capped at a maximum value of 100 ppm

Values in **bold** are above all criteria

Values in *italics* are above some but not all criteria

J-result >MDL<RL, estimated

Table 25
Areas of Interest
Investigation and Confirmation
Metals

NYSDEC Part 375 Unrestricted Soil Cleanup		NYDEC (mg/kg)	East US BG	Site BG (mg/kg)	EX-AOI5-001A	EX-AOI5-001B	EX-AOI5-002	EX-AOI5-002A	EX-AOI5-002B
Metal	Objectives (SCOs)								
					10/6/2006	10/18/2006	9/18/2006	10/6/2006	10/18/2006
Aluminum	NC	SB	33000	7080-12800	<i>16700</i>	<i>10200</i>	<i>14000</i>	<i>16300</i>	<i>10300</i>
Antimony	NC	SB	NA	0.2-0.59	0.68-J		0.31-J	0.48-J	
Arsenic	13	7.5	3-12	4.3-16.4	13.2		8.0	13.3	
Barium	350	300	15-600	33-104	77.8		92.7	72.1	
Beryllium	7.2	0.16	0-1.75	0.38-0.67	0.83		0.73	0.88	
Cadmium	2.5	1	0-1.75	0.21-0.52	0.65		0.35-J	0.62	
Calcium	NC	SB	130-35000	1280-46600	21400		49100	3300	
Chromium	30 (TRIVALENT)	10	1.5-40	9.3-17.5	23.6		21.1	23.9	
Cobalt	NC	30	2.5-60	5.3-12.2	14.9		13.4	17.3	
Copper	50	25	1-50	13.4-26.9	40		42.3	45.4	
Iron	NC	2000	2000-550000	14100-25700	<i>35300</i>	<i>21500</i>	<i>29800</i>	<i>337700</i>	<i>22000</i>
Lead	63	SB	NA	16.5-60.8	16.7		13.2	19.2	
Magnesium	NC	SB	100-5000	2150-13100	<i>8080</i>		8150	7940	
Manganese	1600	SB	50-5000	197-875	903		860	752	
Mercury	0.18	0.1	0.001-0.2	0.039-0.095	0.041		0.018-J	0.039-J	
Nickel	30	13	0.5-25	10.6-24.8	34.5	7.02	34.8	41	4.92
Potassium	NC	SB	8500-43000	443-1660	2070		2230	2040	
Selenium	3.9	2	0.1-3.9	0.44-1.2	1.7-J		<0.17	1.7-J	
Silver	2	SB	NA	0.16-0.17	<0.12		<0.045	<0.12	
Thallium	NC	SB	NA	D-0.67	0.83-J		0.86-J	0.51-J	
Vanadium	NC	150	1-300	13.7-24	27.3		24.2	26.8	
Zinc	109	20	9-50	46-134	94		78.0	94.5	

NC - NO CRITERIA LISTED

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Values in **bold** are above all criteria

Values in *italics* are above some but not all criteria

J-result >MDL<RL, estimated

Table 25
Areas of Interest
Investigation and Confirmation
Metals

NYSDEC Part 375 Unrestricted Soil Cleanup		NYDEC (mg/kg)	East US BG	Site BG (mg/kg)	EX-AOI5-003 9/18/2006	EX-AOI5-003A 10/6/2006	EX-AOI5-003B 10/18/2006	EX-AOI5-004 9/18/2006	EX-AOI5-004A 10/6/2006
Metal	Objectives (SCOs)								
Aluminum	NC	SB	33000	7080-12800	<i>15300</i>	<i>15800</i>	<i>24300</i>	<i>16500</i>	<i>16400</i>
Antimony	NC	SB	NA	0.2-0.59	0.51-J	0.49-J		<1.8	0.78-J
Arsenic	13	7.5	3-12	4.3-16.4	6.9	11.9		9.4	11.2
Barium	350	300	15-600	33-104	61.8	78.2		81.5	76.7
Beryllium	7.2	0.16	0-1.75	0.38-0.67	0.77	0.84		0.87	0.89
Cadmium	2.5	1	0-1.75	0.21-0.52	0.30-J	0.7		0.18-J	0.72
Calcium	NC	SB	130-35000	1280-46600	20700	31300		8330	12500
Chromium	30 (TRIVALENT)	10	1.5-40	9.3-17.5	<i>24.0</i>	<i>23.1</i>		<i>26.4</i>	<i>24</i>
Cobalt	NC	30	2.5-60	5.3-12.2	<i>13.7</i>	<i>15.1</i>		<i>15.7</i>	<i>16.3</i>
Copper	50	25	1-50	13.4-26.9	<i>38.6</i>	<i>40.3</i>		<i>45.2</i>	<i>45.3</i>
Iron	NC	2000	2000-550000	14100-25700	<i>3290</i>	<i>35200</i>	<i>44700</i>	<i>36300</i>	<i>37100</i>
Lead	63	SB	NA	16.5-60.8	<i>16.5</i>	<i>15.8</i>		<i>23.0</i>	<i>17.7</i>
Magnesium	NC	SB	100-5000	2150-13100	<i>9090</i>	<i>8910</i>		<i>7920</i>	<i>8440</i>
Manganese	1600	SB	50-5000	197-875	<i>492</i>	<i>801</i>		<i>703</i>	<i>662</i>
Mercury	0.18	0.1	0.001-0.2	0.039-0.095	0-037-J	0.030-J		0.039	0.029
Nickel	30	13	0.5-25	10.6-24.8	33.8	40	5.9	36.8	36.2
Potassium	NC	SB	8500-43000	443-1660	<i>2300</i>	<i>2050</i>		<i>2040</i>	<i>1990</i>
Selenium	3.9	2	0.1-3.9	0.44-1.2	<0.18	1.7-J		<0.18	1.2-J
Silver	2	SB	NA	0.16-0.17	<0.048	<0.12		<0.046	<0.12
Thallium	NC	SB	NA	D-0.67	1.3-J	0.57-J		1.7-J	0.64-J
Vanadium	NC	150	1-300	13.7-24	<i>26.8</i>	<i>25.7</i>		<i>28.5</i>	<i>26.1</i>
Zinc	109	20	9-50	46-134	<i>85.3</i>	<i>85.8</i>		<i>95.6</i>	<i>103</i>

NC - NO CRITERIA LISTED

The SCOs for unrestricted use were capped at a maximum value of 100 ppm

Values in **bold** are above all criteria

Values in *italics* are above some but not all criteria

J-result >MDL<RL, estimated

Table 25
Areas of Interest
Investigation and Confirmation
Metals

NYSDEC Part 375 Unrestricted Soil Cleanup		NYDEC (mg/kg)	East US BG	Site BG (mg/kg)	EX-AOI5-004B	EX-AOI5-005	EX-AOI5-005A	EX-AOI5-005B	EX-AOI5-006
Metal	Objectives (SCOs)								
					10/18/2006	9/18/2006	10/6/2006	10/18/2006	9/18/2006
Aluminum	NC	SB	33000	7080-12800	<i>18900</i>	<i>18600</i>	<i>15900</i>	<i>16200</i>	<i>15400</i>
Antimony	NC	SB	NA	0.2-0.59		0.41-J	0.21-J		0.47-J
Arsenic	13	7.5	3-12	4.3-16.4		<i>11.4</i>	<i>8.7</i>		<i>9.8</i>
Barium	350	300	15-600	33-104		<i>110</i>	<i>181</i>		<i>75.5</i>
Beryllium	7.2	0.16	0-1.75	0.38-0.67		<i>1.1</i>	<i>0.8</i>		<i>0.82</i>
Cadmium	2.5	1	0-1.75	0.21-0.52		0.27-J	<i>0.86</i>		<i>0.28</i>
Calcium	NC	SB	130-35000	1280-46600		<i>4390</i>	<i>36300</i>		<i>18900</i>
Chromium	30 (TRIVALENT)	10	1.5-40	9.3-17.5		<i>26.6</i>	<i>22.3</i>		<i>24.1</i>
Cobalt	NC	30	2.5-60	5.3-12.2		<i>19.4</i>	<i>11.8</i>		<i>16.0</i>
Copper	50	25	1-50	13.4-26.9		<i>49.9</i>	<i>35.9</i>		<i>44.7</i>
Iron	NC	2000	2000-550000	14100-25700	<i>30400</i>	<i>38300</i>	<i>33700</i>	<i>29400</i>	<i>35100</i>
Lead	63	SB	NA	16.5-60.8		<i>23.9</i>	<i>20.4</i>		<i>16.3</i>
Magnesium	NC	SB	100-5000	2150-13100		<i>6550</i>	<i>6960</i>		<i>8520</i>
Manganese	1600	SB	50-5000	197-875		<i>916</i>	<i>642</i>		<i>581</i>
Mercury	0.18	0.1	0.001-0.2	0.039-0.095		0.036	0.036		0.031-J
Nickel	30	13	0.5-25	10.6-24.8	<i>13.1</i>	41.8	33.2	9	38.7
Potassium	NC	SB	8500-43000	443-1660		<i>2040</i>	<i>1640</i>		<i>2220</i>
Selenium	3.9	2	0.1-3.9	0.44-1.2		<0.18	1.7-J		<0.18
Silver	2	SB	NA	0.16-0.17		<0.047	<0.12		<0.046
Thallium	NC	SB	NA	D-0.67		1.4-J	0.38-J		1.3-J
Vanadium	NC	150	1-300	13.7-24		<i>31.0</i>	<i>25.6</i>		<i>26.7</i>
Zinc	109	20	9-50	46-134		<i>104</i>	111		<i>95.6</i>

NC - NO CRITERIA LISTED

The SCOs for unrestricted use were capped at a maximum value of 100 ppm

Values in **bold** are above all criteria

Values in *italics* are above some but not all criteria

J-result >MDL<RL, estimated

Table 25
Areas of Interest
Investigation and Confirmation
Metals

NYSDEC Part 375 Unrestricted Soil Cleanup		NYDEC (mg/kg)	East US BG	Site BG (mg/kg)	EX-AOI5-006A	EX-AOI5-006B	EX-AOI5-007	EX-AOI5-007A	EX-AOI5-007B
Metal	Objectives (SCOs)								
					10/6/2006	10/18/2006	9/18/2006	10/6/2006	10/18/2006
Aluminum	NC	SB	33000	7080-12800	<i>14900</i>	<i>15500</i>	<i>15400</i>	<i>15100</i>	<i>15800</i>
Antimony	NC	SB	NA	0.2-0.59	0.44-J		<1.8	0.63-J	
Arsenic	13	7.5	3-12	4.3-16.4	<i>9.3</i>		<i>10.2</i>	<i>9.1</i>	
Barium	350	300	15-600	33-104	78.6		79.6	79.3	
Beryllium	7.2	0.16	0-1.75	0.38-0.67	0.79		0.86	0.81	
Cadmium	2.5	1	0-1.75	0.21-0.52	0.69		0.26-J	0.78	
Calcium	NC	SB	130-35000	1280-46600	28800		24700	23600	
Chromium	30 (TRIVALENT)	10	1.5-40	9.3-17.5	<i>21.4</i>		<i>24.3</i>	<i>22</i>	
Cobalt	NC	30	2.5-60	5.3-12.2	<i>13.8</i>		<i>18.9</i>	<i>15.6</i>	
Copper	50	25	1-50	13.4-26.9	<i>39.5</i>		47.5	40.3	
Iron	NC	2000	2000-550000	14100-25700	<i>33900</i>	<i>30400</i>	<i>35100</i>	<i>32700</i>	<i>29700</i>
Lead	63	SB	NA	16.5-60.8	<i>15</i>		<i>19.9</i>	<i>16.2</i>	
Magnesium	NC	SB	100-5000	2150-13100	<i>10100</i>		<i>9320</i>	<i>8480</i>	
Manganese	1600	SB	50-5000	197-875	<i>710</i>		<i>898</i>	<i>679</i>	
Mercury	0.18	0.1	0.001-0.2	0.039-0.095	0.031-J		0.028-J	0.041	
Nickel	30	13	0.5-25	10.6-24.8	34.7	8.1	39.7	35.6	6.69
Potassium	NC	SB	8500-43000	443-1660	<i>2110</i>		<i>2340</i>	<i>2150</i>	
Selenium	3.9	2	0.1-3.9	0.44-1.2	1.3-J		<0.17	1.6-J	
Silver	2	SB	NA	0.16-0.17	<0.11		<0.045	<0.11	
Thallium	NC	SB	NA	D-0.67	0.32-J		1.4-J	0.50-J	
Vanadium	NC	150	1-300	13.7-24	<i>24.6</i>		<i>27.0</i>	<i>24.8</i>	
Zinc	109	20	9-50	46-134	<i>88.5</i>		<i>102</i>	<i>92</i>	

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J-result >MDL<RL, estimated

Table 25
Areas of Interest
Investigation and Confirmation
Metals

NYSDEC Part 375 Unrestricted Soil Cleanup		NYDEC (mg/kg)	East US BG	Site BG (mg/kg)	EX-AOI5-008 9/18/2006	EX-AOI5-008A 10/6/2006	EX-AOI5-008B 10/18/2006	EX-AOI5-009 9/18/2006
Metal	Objectives (SCOs)							
Aluminum	NC	SB	33000	7080-12800	<i>15500</i>	<i>15800</i>	<i>15800</i>	<i>15200</i>
Antimony	NC	SB	NA	0.2-0.59	<1.8	0.39-J		0.25-J
Arsenic	13	7.5	3-12	4.3-16.4	<i>9.0</i>	<i>9.9</i>		<i>9.2</i>
Barium	350	300	15-600	33-104	79.3	97.4		76.4
Beryllium	7.2	0.16	0-1.75	0.38-0.67	0.82	0.84		0.81
Cadmium	2.5	1	0-1.75	0.21-0.52	0.26	0.81		0.31-J
Calcium	NC	SB	130-35000	1280-46600	26800	28700		25500
Chromium	30 (TRIVALENT)	10	1.5-40	9.3-17.5	<i>24.2</i>	<i>23</i>		<i>23.7</i>
Cobalt	NC	30	2.5-60	5.3-12.2	<i>17.3</i>	<i>15.4</i>		<i>15.2</i>
Copper	50	25	1-50	13.4-26.9	46.1	44		47.3
Iron	NC	2000	2000-550000	14100-25700	<i>34300</i>	<i>35300</i>	<i>31500</i>	<i>34500</i>
Lead	63	SB	NA	16.5-60.8	<i>16.9</i>	<i>17.2</i>		<i>15.9</i>
Magnesium	NC	SB	100-5000	2150-13100	<i>8910</i>	<i>9120</i>		<i>91.9</i>
Manganese	1600	SB	50-5000	197-875	724	646		648
Mercury	0.18	0.1	0.001-0.2	0.039-0.095	0.043	0.023-J		0.032-J
Nickel	30	13	0.5-25	10.6-24.8	38.0	36.9	5.07	36.1
Potassium	NC	SB	8500-43000	443-1660	<i>2320</i>	<i>2300</i>		<i>2240</i>
Selenium	3.9	2	0.1-3.9	0.44-1.2	<0.17	1.7-J		<0.18
Silver	2	SB	NA	0.16-0.17	<0.045	<0.12		<0.046
Thallium	NC	SB	NA	D-0.67	1.3-J	<0.29		2.0-J
Vanadium	NC	150	1-300	13.7-24	26.9	25.7		26.4
Zinc	109	20	9-50	46-134	<i>97.9</i>	<i>92.4</i>		<i>100</i>

NC - NO CRITERIA LISTED

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Table 25
Areas of Interest
Investigation and Confirmation
Metals

NYSDEC Part 375 Unrestricted Soil Cleanup		NYDEC (mg/kg)	East US BG	Site BG (mg/kg)	DUPE10606 EX-AOI5-012 (Dup 003A) (Dup 003B)				
Metal	Objectives (SCOs)				EX-AOI5-010	EX-AOI5-010A	EX-AOI5-010B	10/6/2006	10/18/2006
Aluminum	NC	SB	33000	7080-12800	16100	15800	10300	15700	12600
Antimony	NC	SB	NA	0.2-0.59	<1.9	0.58-J		0.88-J	
Arsenic	13	7.5	3-12	4.3-16.4	8.2	9.3		10	
Barium	350	300	15-600	33-104	73.0	133		81.7	
Beryllium	7.2	0.16	0-1.75	0.38-0.67	0.80	0.8		0.83	
Cadmium	2.5	1	0-1.75	0.21-0.52	0.17-J	0.66		0.88	
Calcium	NC	SB	130-35000	1280-46600	8970	22900		34900	
Chromium	30 (TRIVALENT)	10	1.5-40	9.3-17.5	22.9	21.6		22.7	
Cobalt	NC	30	2.5-60	5.3-12.2	15.1	14.6		16.7	
Copper	50	25	1-50	13.4-26.9	36.3	36.3		43.2	
Iron	NC	2000	2000-550000	14100-25700	33200	32400	18600	35000	26000
Lead	63	SB	NA	16.5-60.8	19.0	16.7		16	
Magnesium	NC	SB	100-5000	2150-13100	3730	7120		8750	
Manganese	1600	SB	50-5000	197-875	688	622		945	
Mercury	0.18	0.1	0.001-0.2	0.039-0.095	0.028-J	0.026-J		0.045	
Nickel	30	13	0.5-25	10.6-24.8	32.3	31.7	<2.90	42.1	7.59
Potassium	NC	SB	8500-43000	443-1660	1810	1870		2050	
Selenium	3.9	2	0.1-3.9	0.44-1.2	<0.18	1.7-J		1.5-J	
Silver	2	SB	NA	0.16-0.17	<0.048	<0.12		<0.11	
Thallium	NC	SB	NA	D-0.67	1.0-J	0.66-J		0.44-J	
Vanadium	NC	150	1-300	13.7-24	28.1	26		25.3	
Zinc	109	20	9-50	46-134	86.8	95.9		93.9	

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J-result >MDL<RL, estimated

Table 26
Areas of Interest
Investigation and Confirmation
SVOC

NYDEC PART 375 UNRESTRICTED D SOIL CLEANUP CRITERIA			NYDEC RSCO (mg/kg)		TP-AOI-1/Area F	DS-AOI5-001	EX-AOI6-001*	EX-AOI5-001	EX-AOI5-002	EX-AOI5-003	EX-AOI5-004
Compound					12/5/2005	9/11/2006	9/12/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006
2,4,5-Trichlorophenol	NC	0.1-ADL	<0.380		<0.380	<0.410	<0.370	<0.390	<0.360	<0.390	<0.380
2,4-Dichlorophenol	NC	0.4	<0.380		<0.380	<0.410	<0.370	<0.790	<0.730	<0.770	<0.760
2,4-Dinitrophenol	NC	0.200	<2.000		<2.000	<0.820/0.210	<1.90	<0.390	<0.360	<0.390	<0.380
2,6-Dinitrotoluene	NC	1.0	<0.380		<0.380	<0.410	<0.370	<0.390	<0.360	<0.390	<0.380
2-Chlorophenol	NC	0.8	<0.380		<0.380	<0.410	<0.370	<0.390	<0.360	<0.390	<0.380
2-Methylnaphthalene	NC	36.4	<0.380		<0.380	4.4	<0.370	<0.390	<0.360	<0.390	<0.380
2-Nitroaniline	NC	0.430	<2.000		<2.000	<0.410	<1.90	<0.390	<0.360	<0.390	<0.380
2-Nitrophenol	NC	0.330	<0.380		<0.380	<0.410	<0.370	<0.390	<0.360	<0.390	<0.380
2-methylphenol	NC	0.100-ADL	<0.380		<0.380	<0.410	<0.370	<0.390	<0.360	<0.390	<0.380
3-Nitroaniline	NC	0.500	<2.000		<2.000	<0.410	<1.90	<0.390	<0.360	<0.390	<0.380
4-Chloroaniline	NC	0.220-ADL	<0.380		<0.380	<0.410	<0.370	<0.390	<0.360	<0.390	<0.380
4-Nitroaniline	NC	NS	<2.000		<2.000	<0.410	<1.90	<0.390	<0.360	<0.390	<0.380
4-Nitrophenol	NC	0.100-ADL	<2.000		<2.000	<0.820/0.093	<1.90	<0.790	<0.730	<0.770	<0.760
4-chloro-3-methylphenol	NC	0.240-ADL	<0.380		<0.380	<0.410	<0.370	<0.390	<0.360	<0.390	<0.380
4-methylphenol	NC	0.9	<0.380		<0.380	0.76	<0.370	<0.390	<0.360	<0.390	<0.380
Acenaphthene	20	50.0	<0.380		<0.380	<0.410	<0.370	<0.390	<0.360	<0.390	<0.380
Acenaphthylene	100	41.0	<0.380		<0.380	<0.410	<0.370	<0.390	<0.360	<0.390	<0.380
Aniline	NC	0.1-ADL	NR		NR	<0.410	NR	<0.390	<0.360	<0.390	<0.380
Anthracene	100	50.0	<0.380		<0.380	<0.410	<0.370	<0.390	<0.360	<0.390	<0.380
Benzo(a) anthracene	1	0.224-ADL	<0.380		<0.380	<0.410	<0.370	<0.390	<0.360	<0.390	<0.380
Benzo(a) pyrene	1	0.061-ADL	<0.380		<0.380	<0.410	<0.370	<0.390	<0.360	<0.390	<0.380
Benzo(b) fluoranthene	1	1.1	<0.380		<0.380	<0.410	<0.370	<0.390	<0.360	<0.390	<0.380
Benzyl Butyl Phthalate	NC	50.0	<0.380		<0.380	<0.410	<0.370	<0.390	<0.360	<0.390	<0.380
Chrysene	1	0.4	<0.380		<0.380	<0.410	<0.370	<0.390	<0.360	<0.390	<0.380
Dibenz(a,h) Anthracene	0.33	0.014-ADL	<0.380		<0.380	<0.410	<0.370	<0.390	<0.360	<0.390	<0.380
Dibenzofuran	NC	6.2	<0.380		<0.380	<0.410	<0.370	<0.390	<0.360	<0.390	<0.380
Diethyl Phthalate	NC	7.1	<0.380		<0.380	<0.410	<0.370	<0.390	<0.360	<0.390	<0.380
Dimethyl Phthalate	NC	2.0	<0.380		<0.380	<0.410	<0.370	<0.390	<0.360	<0.390	<0.380
Fluoranthene	100	50.0	<0.380		<0.380	<0.410	<0.370	<0.390	<0.360	<0.390	<0.380
Fluorene	30	50.0	<0.380		<0.380	<0.410	<0.370	<0.390	<0.360	<0.390	<0.380
Hexachlorobenzene	NC	0.41	<2.000		<2.000	<0.410	<1.90	<0.390	<0.360	<0.390	<0.380
Indeno(1,2,3-c,d) Pyrene	0.5	3.2	<0.380		<0.380	<0.410	<0.370	<0.390	<0.360	<0.390	<0.380
Isophorone	NC	4.40	<0.380		<0.380	<0.410	<0.370	<0.390	<0.360	<0.390	<0.380
Naphthalene	12	13.0	<0.380		<0.380	4	<0.370	<0.390	<0.360	<0.390	<0.380
Nitrobenzene	NC	0.200-ADL	<0.380		<0.380	<0.410	<0.370	<0.390	<0.360	<0.390	<0.380
Pentachlorophenol	0.8	1.0	<0.380		<0.380	<0.820	<0.370	<0.790	<0.730	<0.770	<0.760
Phenanthrene	100	50.0	<0.380		<0.380	<0.410	<0.370	<0.390	<0.360	<0.390	<0.380
Phenol	0.33	0.03-ADL	<0.380		<0.380	<0.410	<0.370	<0.390	<0.360	<0.390	<0.380
Pyrene	100	50	<0.380		<0.380	<0.410	<0.370	<0.390	<0.360	<0.390	<0.380
bis(2-ethylhexyl) phthalate	NC	50.0	<0.380		<0.380	<0.410	<0.370	<0.390	<0.360	<0.390	<0.380
di-n-Butyl Phthalate	NC	8.1	<0.380		<0.380	3.3	<0.370	0.160-J	0.120-J	0.160-J	0.170-J
di-n-Octyl Phthalate	NC	50.0	<0.380		<0.380	<0.410	<0.370	<0.390	<0.360	<0.390	<0.380

The SCOs for unrestricted use were capped at a maximum value of 100 ppm
 NC - NO CRITERIA LISTED

Table 26
Areas of Interest
Investigation and Confirmation
SVOC

NYSDEC PART 375 UNRESTRICTED D SOIL CLEANUP CRITERIA			NYDEC RSCO (mg/kg)		EX-AO15-005	EX-AO15-006	EX-AO15-007	EX-AO15-008	EX-AO15-009	EX-AO15-010
Compound					9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006
2,4,5-Trichlorophenol	NC	0.1-ADL	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
2,4-Dichlorophenol	NC	0.4	<0.740	<0.730	<0.730	<0.740	<0.740	<0.740	<0.740	<0.760
2,4-Dinitrophenol	NC	0.200	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
2,6-Dinitrotoluene	NC	1.0	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
2-Chlorophenol	NC	0.8	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
2-Methylnaphthalene	NC	36.4	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
2-Nitroaniline	NC	0.430	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
2-Nitrophenol	NC	0.330	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
2-methylphenol	NC	0.100-ADL	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
3-Nitroaniline	NC	0.500	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
4-Chloroaniline	NC	0.220-ADL	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
4-Nitroaniline	NC	NS	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
4-Nitrophenol	NC	0.100-ADL	<0.740	<0.730	<0.730	<0.740	<0.740	<0.740	<0.740	<0.760
4-chloro-3-methylphenol	NC	0.240-ADL	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
4-methylphenol	NC	0.9	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
Acenaphthene	20	50.0	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
Acenaphthylene	100	41.0	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
Aniline	NC	0.1-ADL	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
Anthracene	100	50.0	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
Benzo(a) anthracene	1	0.224-ADL	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
Benzo(a) pyrene	1	0.061-ADL	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
Benzo(b) fluoranthene	1	1.1	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
Benzyl Butyl Phthalate	NC	50.0	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
Chrysene	1	0.4	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
Dibenz(a,h) Anthracene	0.33	0.014-ADL	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
Dibenzofuran	NC	6.2	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
Diethyl Phthalate	NC	7.1	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
Dimethyl Phthalate	NC	2.0	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
Fluoranthene	100	50.0	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
Fluorene	30	50.0	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
Hexachlorobenzene	NC	0.41	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
Indeno(1,2,3-c,d) Pyrene	0.5	3.2	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
Isophorone	NC	4.40	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
Naphthalene	12	13.0	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
Nitrobenzene	NC	0.200-ADL	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
Pentachlorophenol	0.8	1.0	<0.740	<0.730	<0.730	<0.740	<0.740	<0.740	<0.740	<0.760
Phenanthrene	100	50.0	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
Phenol	0.33	0.03-ADL	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
Pyrene	100	50	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380
bis(2-ethylhexyl) phthalate	NC	50.0	<0.370	0.150-J	<0.370	0.037-J	<0.370	<0.370	<0.370	<0.380
di-n-Butyl Phthalate	NC	8.1	0.093-J	0.066-J	0.096-J	0.086-J	0.260-J	0.140-J		
di-n-Octyl Phthalate	NC	50.0	<0.370	<0.360	<0.370	<0.370	<0.370	<0.370	<0.370	<0.380

The SCOs for unrestricted use were capped at a maximum
 NC - NO CRITERIA LISTED

Table 27
Areas of Interest
Investigation and Confirmation
VOC

NYSDEC PART 375
 UNRESTRICTED
 SOIL CLEANUP
 OBJECTIVES
 (SCOs)

NYDEC
 RSCO
 (mg/kg)

Compound	OBJECTIVES	HSCC	TP-AOI-1/Area F	TP-AOI5-1	DS-AOI5-001	TP-AOI6-1	EX-AOI6-001*	EX-AOI5-001
	(SCOs)	(mg/kg)	12/5/2005	11/30/2005	9/11/2006	11/30/2005	9/12/2006	9/18/2006
1,1,1,-Trichloroethane	0.68	0.8	<0.006	<1.0	<0.025	<0.005	<0.006	<0.006
1,1,2,2-Tetrachloroethane	NC	0.6	<0.006	<1.0	<0.025	<0.005	<0.006	<0.006
1,1,2-Trichloroethane	NC	NS	<0.006	<1.0	<0.025	<0.005	<0.006	<0.006
1,1-Dichloroethane	0.27	0.2	<0.006	<1.0	<0.025	<0.005	<0.006	<0.006
1,2-Dichlorobenzene	1.1	7.9	<0.006	<1.0	<0.025	<0.005	<0.006	<0.006
1,3-Dichlorobenzene	2.4	1.6	<0.006	<1.0	<0.025	<0.005	<0.006	<0.006
1,4-Dichlorobenzene	1.8	8.5	<0.006	<1.0	<0.025	<0.005	<0.006	<0.006
trans-1,2 Dichloroethene	0.19	0.3	<0.006	<1.0	<0.025	<0.005	<0.006	<0.006
2-Butanone (MEK)	0.12	0.3	0.19	<2.0	<0.050	<0.01	0.19	<0.012
4-Methyl-2-Pentanone (MIBK)	NC	1	<0.011	<2.0	<0.050	<0.01	<0.011	<0.012
Acetone	0.05	0.2	<0.011	<2.0	<0.050	0.014	<0.011	<0.012
Benzene	0.06	0.06	<0.006	<1.0	0.0073-J	<0.005	<0.006	<0.006
Bromomethane	NC	NS	<0.011	<2.0	<0.050	<0.01	<0.011	<0.012
Carbon Disulfide	NC	2.7	<0.006	<1.0	<0.025	<0.005	<0.006	<0.006
Carbon Tetrachloride	0.76	0.6	<0.006	<1.0	<0.025	<0.005	<0.006	<0.006
Chlorobenzene	1.1	1.7	<0.006	<1.0	<0.025	<0.005	<0.006	<0.006
Chloroethane	NC	1.9	<0.011	<2.0	<0.050	<0.01	<0.011	<0.012
Chloroform	0.37	0.3	<0.006	<1.0	<0.025	<0.005	<0.006	<0.006
Chloromethane	NC	NS	<0.011	<2.0	<0.050	<0.01	<0.011	<0.012
Dibromochloromethane	NC	NS	<0.006	<1.0	<0.025	<0.005	<0.006	<0.006
Ethylbenzene	1	5.5	<0.006	1.4	0.15	<0.005	<0.006	<0.006
Freon 113	NC	6	NR	NR	<0.025	NR	<0.006	<0.006
Methylene Chloride	0.05	0.1	<0.006	1.6	<0.050	0.006	<0.006	<0.012
Styrene	NC	NS	<0.006	<1.0	<0.025	<0.005	<0.006	<0.006
Tetrachloroethene	1.3	1.4	<0.006	<1.0	<0.025	<0.005	<0.006	<0.006
Toluene	0.7	1.5	<0.006	0.13	0.041	<0.005	<0.006	<0.006
Trichloroethene	0.47	0.7	<0.006	<1.0	<0.025	<0.005	<0.006	<0.006
Vinyl Chloride	0.02	0.2	<0.011	<2.0	<0.050	<0.01	<0.011	<0.012
Xylenes	0.26	1.2	<0.006	76-E	1.8	<0.005	<0.006	0.002-J

The SCOs for unrestricted use were capped at a maximum value of 100 ppm
 NC - NO CRITERIA LISTED

Table 27
Areas of Interest
Investigation and Confirmation
VOC

NYSDEC PART 375
UNRESTRICTED
SOIL CLEANUP
OBJECTIVES
(SCOs)

NYDEC
RSCO
(mg/kg)

Compound	NYDEC PART 375 UNRESTRICTED SOIL CLEANUP OBJECTIVES (SCOs)	NYDEC RSCO (mg/kg)	EX-AOI5-002 9/18/2006	EX-AOI5-003 9/18/2006	EX-AOI5-003A 10/6/2006	EX-AOI5-004 9/18/2006	EX-AOI5-004A 10/6/2006	EX-AOI5-005 9/18/2006
1,1,1,-Trichloroethane	0.68	0.8	<0.0055	<0.0058	<0.0055	<0.0057	<0.0056	<0.0056
1,1,2,2-Tetrachloroethane	NC	0.6	<0.0055	<0.0058	<0.0055	<0.0057	<0.0056	<0.0056
1,1,2-Trichloroethane	NC	NS	<0.0055	<0.0058	<0.0055	<0.0057	<0.0056	<0.0056
1,1-Dichloroethane	0.27	0.2	<0.0055	<0.0058	<0.0055	<0.0057	<0.0056	<0.0056
1,2-Dichlorobenzene	1.1	7.9	<0.0055	<0.0058	<0.0055	<0.0057	<0.0056	<0.0056
1,3-Dichlorobenzene	2.4	1.6	<0.0055	<0.0058	<0.0055	<0.0057	<0.0056	<0.0056
1,4-Dichlorobenzene	1.8	8.5	<0.0055	<0.0058	<0.0055	<0.0057	<0.0056	<0.0056
trans-1,2 Dichloroethene	0.19	0.3	<0.0055	<0.0058	<0.0055	<0.0057	<0.0056	<0.0056
2-Butanone (MEK)	0.12	0.3	<0.011	<0.012	<0.011	<0.011	<0.011	<0.011
4-Methyl-2-Pentanone (MIBK)	NC	1	<0.011	<0.012	<0.011	<0.011	<0.011	<0.011
Acetone	0.05	0.2	<0.011	<0.012	<0.011	<0.011	<0.011	<0.011
Benzene	0.06	0.06	<0.0055	<0.0058	<0.011	<0.0057	<0.0056	<0.0056
Bromomethane	NC	NS	<0.011	<0.012	<0.011	<0.011	<0.011	<0.011
Carbon Disulfide	NC	2.7	<0.0055	<0.0058	<0.0055	<0.0057	0.0076	<0.0056
Carbon Tetrachloride	0.76	0.6	<0.0055	<0.0058	<0.0055	<0.0057	<0.0056	<0.0056
Chlorobenzene	1.1	1.7	<0.0055	<0.0058	<0.0055	<0.0057	<0.0056	<0.0056
Chloroethane	NC	1.9	<0.011	<0.012	<0.011	<0.011	<0.011	<0.011
Chloroform	0.37	0.3	0.0035-J	0.065	<0.0055	0.38	0.0048-J	<0.011
Chloromethane	NC	NS	<0.011	<0.012	<0.011	<0.011	<0.011	<0.011
Dibromochloromethane	NC	NS	<0.0055	<0.0058	<0.0055	<0.0057	<0.0056	<0.0056
Ethylbenzene	1	5.5	<0.0055	<0.0058	0.005	<0.0057	0.0075	<0.0056
Freon 113	NC	6	<0.0055	<0.0058	<0.0055	<0.0057	<0.0056	<0.0056
Methylene Chloride	0.05	0.1	<0.011	<0.012	<0.011	<0.011	<0.011	<0.011
Styrene	NC	NS	<0.0055	<0.0058	<0.0055	<0.0057	<0.0056	<0.0056
Tetrachloroethene	1.3	1.4	<0.0055	<0.0058	<0.0055	<0.0057	<0.0056	<0.0056
Toluene	0.7	1.5	<0.0055	<0.0058	<0.0055	<0.0057	0.0026-J	<0.0056
Trichloroethene	0.47	0.7	<0.0055	<0.0058	<0.0055	<0.0057	<0.0056	<0.0056
Vinyl Chloride	0.02	0.2	<0.011	<0.012	<0.011	<0.011	<0.011	<0.011
Xylenes	0.26	1.2	<0.0055	<0.0058	<0.0055	<0.0057	<0.0056	<0.0056

The SCOs for unrestricted use were capped at a maximum value of 100 pp
NC - NO CRITERIA LISTED

Table 27
Areas of Interest
Investigation and Confirmation
VOC

NYDEC PART 375

UNRESTRICTED
SOIL CLEANUP
OBJECTIVES
(SCOs)

NYDEC
RSCO
(mg/kg)

Compound	UNRESTRICTED SOIL CLEANUP OBJECTIVES (SCOs)	NYDEC RSCO (mg/kg)	EX-AOI5-006 9/18/2006	EX-AOI5-007 9/18/2006	EX-AOI5-008 9/18/2006	EX-AOI5-009 9/18/2006	EX-AOI5-010 9/18/2006
1,1,1,-Trichloroethane	0.68	0.8	<0.0055	<0.0055	<0.0056	<0.0056	<0.0057
1,1,2,2-Tetrachloroethane	NC	0.6	<0.0055	<0.0055	<0.0056	<0.0056	<0.0057
1,1,2-Trichloroethane	NC	NS	<0.0055	<0.0055	<0.0056	<0.0056	<0.0057
1,1-Dichloroethane	0.27	0.2	<0.0055	<0.0055	<0.0056	<0.0056	<0.0057
1,2-Dichlorobenzene	1.1	7.9	<0.0055	<0.0055	<0.0056	<0.0056	<0.0057
1,3-Dichlorobenzene	2.4	1.6	<0.0055	<0.0055	<0.0056	<0.0056	<0.0057
1,4-Dichlorobenzene	1.8	8.5	<0.0055	<0.0055	<0.0056	<0.0056	<0.0057
<i>trans</i> -1,2 Dichloroethene	0.19	0.3	<0.0055	<0.0055	<0.0056	<0.0056	<0.0057
2-Butanone (MEK)	0.12	0.3	<0.011	<0.011	<0.011	<0.011	<0.011
4-Methyl-2-Pentanone (MIBK)	NC	1	<0.011	<0.011	<0.011	<0.011	<0.011
Acetone	0.05	0.2	<0.011	<0.011	<0.011	<0.011	<0.011
Benzene	0.06	0.06	0.0015-J	<0.011	0.0067	0.0096	<0.011
Bromomethane	NC	NS	<0.011	<0.011	<0.011	<0.011	<0.011
Carbon Disulfide	NC	2.7	<0.0055	<0.0055	0.0076	<0.0056	<0.0057
Carbon Tetrachloride	0.76	0.6	<0.0055	<0.0055	<0.0056	<0.0056	<0.0057
Chlorobenzene	1.1	1.7	<0.0055	<0.0055	<0.0056	<0.0056	<0.0057
Chloroethane	NC	1.9	<0.011	<0.011	<0.011	<0.011	<0.011
Chloroform	0.37	0.3	0.0021-J	0.0021-J	0.0033-J	0.0038-J	0.0041
Chloromethane	NC	NS	<0.011	<0.011	<0.011	<0.011	<0.011
Dibromochloromethane	NC	NS	<0.0055	<0.0055	<0.0056	<0.0056	<0.0057
Ethylbenzene	1	5.5	0.0078	0.005	0.0075	0.0075	<0.0057
Freon 113	NC	6	<0.0055	<0.0055	<0.0056	<0.0056	<0.0057
Methylene Chloride	0.05	0.1	<0.011	<0.011	<0.011	<0.011	<0.011
Styrene	NC	NS	<0.0055	<0.0055	<0.0056	<0.0056	<0.0057
Tetrachloroethene	1.3	1.4	<0.0055	<0.0055	<0.0056	<0.0056	<0.0057
Toluene	0.7	1.5	0.0058	<0.0055	0.0026-J	0.0047-J	<0.0057
Trichloroethene	0.47	0.7	<0.0055	<0.0055	<0.0056	<0.0056	<0.0057
Vinyl Chloride	0.02	0.2	<0.011	<0.011	<0.011	<0.011	<0.011
Xylenes	0.26	1.2	0.023	0.011	0.035	0.038	<0.0057

The SCOs for unrestricted use were capped at a maximum value of 100 pp
NC - NO CRITERIA LISTED

Table 28
Areas of Interest
Investigation and Confirmation
Pesticide-PCB-Herbicide

Compound	NYSDEC PART 375 UNRESTRICTED SOIL CLEANUP OBJECTIVES (SCOs)	NYDEC RSCO (ug/kg)	TP-AOI-1/Area F	DS-AOI5-001	EX-AOI6-001*	EX-AOI15-001
			12/5/2005	9/11/2006	9/12/2006	9/18/2006
4,4-DDD	3.3	2900	<3.8	270	<3.7	3.2
4,4-DDE	3.3	2100	<3.8	<21	<3.7	<2.0
4,4-DDT	3.3	2100	<3.8	<21	<3.7	0.52
Aldrin	5	41	<2.0	<21	<1.9	<2.0
Alpha-BHC	20	110	<2.0	<21	<1.9	<2.0
Beta-BHC	36	200	<2.0	<21	<1.9	<2.0
Chlordane	94	540	<200	<410	<1.9 ¹	<39
Delta-BHC	40	300	<2.0	<21	<1.9	<2.0
Dieldrin	5	44	<3.8	<21	<3.7	<2.0
Endosulfan I	2400	900	<2.0	<21	<1.9	<2.0
Endosulfan II	2400	900	<3.8	<21	<3.7	<2.0
Endosulfan Sulfate	NC	1000	<3.8	<21	<3.7	<2.0
Endrin	14	100	<3.8	<21	<3.7	<2.0
Gamma-BHC (Lindane)	NC	60	<2.0	<21	<1.9	<2.0
Heptachlor	42	100	<2.0	<21	<1.9	<2.0
Heptachlor Epoxide	NC	20	<2.0	<21	<1.9	<2.0
Methoxychlor	NC	NS	<20	<21	<20	<2.0
Toxaphene	NC	NS		NR	<190	
PCB-1016	100	1000	<38	<21	<37	
PCB-1221	100	1000	<38	<21	<37	
PCB-1232	100	1000	<38	<21	<37	
PCB-1242	100	1000	<38	<21	<37	
PCB-1248	100	1000	<38	<21	<37	
PCB-1254	100	1000	<38	<21	<37	
PCB-1260	100	1000	<38	<21	<37	
2,4,5-T	NC	1900	<230	<120	<225	
2,4,5-TP (Silvex)	3.8	700	<230	<120	4-J	
2,4-D	NC	500	<230	<120	<225	

The SCOs for unrestricted use were capped at a maximum value of 100 ppm
 NC - NO CRITERIA LISTED

*-post excavation sample

NS-none specified

1-reported as alpha and gamma

J-result is >MDL<RL, estimated

Table 28
Areas of Interest
Investigation and Confirmation
Pesticide-PCB-Herbicide

Compound	NYSDEC PART 375 UNRESTRICTED SOIL CLEANUP OBJECTIVES (SCOs)	NYDEC RSCO (ug/kg)						
			EX-AO15-002	EX-AO15-003	EX-AOI5-003A	EX-AO15-004	EX-AO15-005	EX-AO15-006
			9/18/2006	9/18/2006	10/6/2006	9/18/2006	9/18/2006	9/18/2006
4,4-DDD	3.3	2900	<1.8	12	<1.8	<1.9	0.38-J	<1.8
4,4-DDE	3.3	2100	<1.8	<1.9	<1.8	<1.9	<1.9	<1.8
4,4-DDT	3.3	2100	<1.8	34	<1.8	<1.9	1.4-J	1.9
Aldrin	5	41	<1.8	<1.9	<1.8	<1.9	<1.9	<1.8
Alpha-BHC	20	110	<1.8	<1.9	<1.8	<1.9	<1.9	<1.8
Beta-BHC	36	200	<1.8	<1.9	<1.8	<1.9	<1.9	<1.8
Chlordane	94	540	<36	<38	<37	<38	<37	<36
Delta-BHC	40	300	<1.8	<1.9	<1.8	<1.9	<1.9	<1.8
Dieldrin	5	44	<1.8	14	<1.8	<1.9	<1.9	<1.8
Endosulfan I	2400	900	<1.8	<1.9	<1.8	<1.9	<1.9	<1.8
Endosulfan II	2400	900	<1.8	<1.9	<1.8	<1.9	<1.9	<1.8
Endosulfan Sulfate	NC	1000	<1.8	<1.9	<1.8	<1.9	<1.9	<1.8
Endrin	14	100	<1.8	<1.9	<1.8	<1.9	<1.9	<1.8
Gamma-BHC (Lindane)	NC	60	0.64-J	<1.9	<1.8	<1.9	<1.9	<1.8
Heptachlor	42	100	<1.8	<1.9	<1.8	<1.9	<1.9	<1.8
Heptachlor Epoxide	NC	20	<1.8	<1.9	<1.8	<1.9	<1.9	<1.8
Methoxychlor	NC	NS	<1.8	7.9	<1.8	<1.9	<1.9	<1.8
Toxaphene	NC	NS						
PCB-1016	100	1000						
PCB-1221	100	1000						
PCB-1232	100	1000						
PCB-1242	100	1000						
PCB-1248	100	1000						
PCB-1254	100	1000						
PCB-1260	100	1000						
2,4,5-T	NC	1900						
2,4,5-TP (Silvex)	3.8	700						
2,4-D	NC	500						

The SCOs for unrestricted use were capped at a maximum value of 1C
 NC - NO CRITERIA LISTED

*-post excavation sample

NS-none specified

1-reported as alpha and gamma

J-result is >MDL<RL, estimated

Table 28
Areas of Interest
Investigation and Confirmation
Pesticide-PCB-Herbicide

Compound	NYSDEC PART 375 UNRESTRICTED SOIL CLEANUP OBJECTIVES (SCOs)	NYDEC RSCO (ug/kg)	EX-AO15-007	EX-AO15-008	EX-AO15-009	EX-AO15-010
			9/18/2006	9/18/2006	9/18/2006	9/18/2006
4,4-DDD	3.3	2900	<1.8	0.39-J	<1.9	<1.9
4,4-DDE	3.3	2100	<1.8	<1.9	<1.9	<1.9
4,4-DDT	3.3	2100	<1.8	<1.9	<1.9	<1.9
Aldrin	5	41	<1.8	<1.9	<1.9	<1.9
Alpha-BHC	20	110	<1.8	<1.9	<1.9	<1.9
Beta-BHC	36	200	<1.8	<1.9	<1.9	<1.9
Chlordane	94	540	<37	<37	<37	<38
Delta-BHC	40	300	<1.8	<1.9	<1.9	<1.9
Dieldrin	5	44	<1.8	<1.9	<1.9	<1.9
Endosulfan I	2400	900	<1.8	<1.9	<1.9	<1.9
Endosulfan II	2400	900	<1.8	<1.9	<1.9	<1.9
Endosulfan Sulfate	NC	1000	<1.8	<1.9	<1.9	<1.9
Endrin	14	100	<1.8	<1.9	<1.9	<1.9
Gamma-BHC (Lindane)	NC	60	<1.8	<1.9	<1.9	<1.9
Heptachlor	42	100	<1.8	<1.9	<1.9	<1.9
Heptachlor Epoxide	NC	20	<1.8	<1.9	<1.9	<1.9
Methoxychlor	NC	NS	<1.8	<1.9	<1.9	<1.9
Toxaphene	NC	NS				
PCB-1016	100	1000				
PCB-1221	100	1000				
PCB-1232	100	1000				
PCB-1242	100	1000				
PCB-1248	100	1000				
PCB-1254	100	1000				
PCB-1260	100	1000				
2,4,5-T	NC	1900				
2,4,5-TP (Silvex)	3.8	700				
2,4-D	NC	500				

The SCOs for unrestricted use were capped at a maximum value of 1C
 NC - NO CRITERIA LISTED

*-post excavation sample
 NS-none specified
 1-reported as alpha and gamma
 J-result is >MDL<RL, estimated

838360
Areas of Interest
Miscellaneous

Parameter	Limit/ Criteria	TP-A01-1/Area F 12/5/2005
Ignitability (Flash Point)	<140 degrees F	>200 (-)
Paint Filter	no free liquids	Pass
pH	2-12	7.4
Reactive Cyanide	30 mg/kg	<1.0
Reactive Sulfide	30 mg/kg	<10

APPENDIX 7

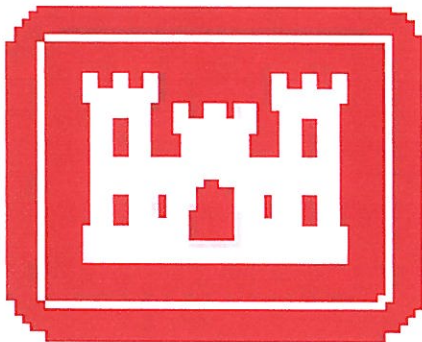
GROUNDWATER MONITORING REPORT

***POST-REMOVAL
GROUNDWATER SAMPLING REPORT***

***Area of Concern (AOC) No. 2
Former Schenectady Army Depot - Voorheesville Area
Guilderland, New York***

***Contract No. DACA87-02-D-0005
Task Order No. 18***

Submitted to:



**U.S. Army Corps of Engineers
New York District**

Prepared By:

PARSONS

MAY 2008

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List of Acronyms

AOC	Area of Concern
DOD	Department of Defense
EE/CA	Engineering Evaluation & Cost Analysis
MW	Monitoring Well
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PCMW	Post Construction Monitoring Well
SADVA	Schenectady Army Depot - Voorheesville Area
USACE	United States Army Corps of Engineers
VOCs	Volatile Organic Compounds

1.0 INTRODUCTION

This Groundwater Sampling Report has been prepared by Parsons for the U.S. Army Corps of Engineers (USACE), New York District under Contract No. DACA87-02-D-0005, Task Order No. 18 with the USACE Huntsville Center.

Two groundwater monitoring wells within the Area of Concern (AOC) 2, known as the former Post Commander's Landfill at the former Schenectady Army Depot – Voorheesville Area (SADVA), were sampled on May 1, 2008. This sampling event was conducted at the request of the New York State Department of Health (NYSDOH) and the New York State Department of Environmental Conservation (NYSDEC) to confirm recent sampling results. The first two rounds of post-removal groundwater sampling were completed in April and October 2007 and were discussed in a report by Shaw Environmental, Inc dated October 2007. For the October 2007 sampling event, volatile organic compounds (VOCs) were not detected in any of the wells. The summary tables of results for the first two sampling rounds can be found in Attachment A.

2.0 SITE HISTORY AND BACKGROUND

The former Post Commander's Landfill (also known as AOC 2) is located west of County Route 201. This 40.6 acre parcel was part of the SADVA from its inception in 1941 until its sale to a private landowner in 1963. Historical information indicates the parcel was used as a transit troop bivouac area and officer's family housing area in the 1950s and 1960s. Sometime after purchasing the property in 1963, the new owners noticed a disposal area (later referred to as the Post Commander's Landfill). The existence of the landfill was subsequently reported to the NYSDEC. The USACE commenced planning for a remedial investigation in 1999. A subsequent Engineering Evaluation and Cost Analysis (EE/CA) described the waste disposal area as consisting of several distinct waste areas with waste materials including salt/iodine pill bottles, drums, glass bottles containing flammable liquids and other materials.

During the time spanning September 2005 to October 2006, an interim removal action was completed within AOC 2. This removal action, performed by Shaw Environmental under USACE direction, consisted of the excavation and disposal of waste materials and impacted soils followed by restoration to grade. The excavation activities were concentrated in areas defined in the EE/CA and in other impacted areas identified during the excavation activities. The removal action resulted in the excavation and off-site disposal of approximately 10,000 cubic yards of waste and impacted soils. These wastes primarily consisted of dried paint residues, flammable liquids, mercury-contaminated flammable liquids, and other materials.

AOC 2 presently has a residence located on the property; this residence dates back to the Department of Defense's (DOD) use of the property. The residence is located about 300 yards from the former Post Commander's Landfill. A small barn, a farm pond, and small sheds are also presently located on the property, but were not part of the DOD use of the site. All of these structures are located 200 yards or more from the Post Commander's Landfill area.

3.0 SAMPLING AND ANALYTICAL METHODOLOGY

One remedial investigation monitoring well (MW-03) and one post construction monitoring well (PCMW-02) were sampled on May 1, 2008. A field duplicate sample (PCMW-12) was collected from PCMW-02 as a quality control check on the representativeness of the sampling methods. A site map providing the well locations is included as Figure 1. All sampling and analyses were performed in accordance with procedures that included the following:

- Prior to sample collection, each monitoring well was gauged for depth to water and depth to bottom of well.
- Each well was purged and sampled using low-flow techniques to ensure that the samples collected were representative of groundwater quality with minimal disturbance. During purging activities, a continuous flow-through water quality meter was used to measure the pH, conductivity, and turbidity of the water. Purging continued until there was no more than a ten percent variation in the field-measured water quality parameters between each measuring point.
- The monitoring wells were allowed to recharge following purging activities.
- Samples were packaged and submitted under Chain of Custody for analysis to an off-site subcontract laboratory for VOCs by method SW-8260LL.
- The samples were analyzed by GPL Laboratories in Frederick, Maryland. GPL is certified by the State of New York to perform the requested analyses.

Field sampling logs are included in Attachment B. Attachment C contains the Data Usability Report for the GPL data package.

4.0 RESULTS

Table 1 presents the analytical results for MW-03 and PCMW-02. VOCs were not detected in either sample.

Table 1 also presents a summary of the field duplicate (PCMW-12) and trip blank analytical results. No VOCs were detected in the trip blank sample, meaning the samples were not adversely affected by sampling handling and shipping. The results for PCMW-02 matched the field duplicate sample PCMW-12, meaning the sampling methods yielded representative samples.

The laboratory quality control results are discussed in the Data Usability Report attached as Attachment C to this report. Results for acetone, bromomethane, 2-hexanone and vinyl chloride were flagged as estimated values due to continuing calibrations that were outside specifications. The results for those analytes are valid and usable.

5.0 SUMMARY

Based on the results of the post-removal action groundwater sampling, the USACE will prepare and coordinate a proposed plan recommending that no further actions to be taken at AOC 2.

TABLES

**TABLE 1 SUMMARY OF ANALYTICAL RESULTS GROUNDWATER SAMPLING AT SADVA AOC 2
MAY 2008**

				SAMPLE ID: LAB ID: LAB: SDG: MATRIX: SAMPLE DATE: VALIDATION DATE:	MW-03 805012-001-001-1/3 GPL 805012 Groundwater 5/1/2008 5/16/2008	PCMW-02 805012-002-004-1/3 GPL 805012 Groundwater 5/1/2008 5/16/2008	PCMW-12 805012-003-007-1/3 GPL 805012 Groundwater 5/1/2008 5/16/2008	TRIP BLANK 805012-004-010-1/3 GPL 805012 Groundwater 5/1/2008 5/16/2008
CAS NUMBER	VOLATILE ORGANIC COMPOUNDS	NYSDEC CLASS GA STANDARDS/ GUIDANCE VALUES	UNITS					
71-55-6	1,1,1-Trichloroethane	5	ug/L	1 U	1 U	1 U	1 U	1 U
79-34-5	1,1,2,2-Tetrachloroethane	5	ug/L	1 U	1 U	1 U	1 U	1 U
79-00-5	1,1,2-Trichloroethane	1	ug/L	1 U	1 U	1 U	1 U	1 U
75-34-3	1,1-Dichloroethane	5	ug/L	1 U	1 U	1 U	1 U	1 U
75-35-4	1,1-Dichloroethene	5	ug/L	1 U	1 U	1 U	1 U	1 U
107-06-2	1,2-Dichloroethane	0.6	ug/L	1 U*	1 U*	1 U*	1 U*	1 U*
78-87-5	1,2-Dichloropropane	1	ug/L	1 U	1 U	1 U	1 U	1 U
78-93-3	2-Butanone	50 G	ug/L	5 U	5 U	5 U	5 U	5 U
591-78-6	2-Hexanone	50 G	ug/L	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
108-10-1	4-Methyl-2-Pentanone	NS	ug/L	5 U	5 U	5 U	5 U	5 U
67-64-1	Acetone	50 G	ug/L	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
71-43-2	Benzene	1	ug/L	1 U	1 U	1 U	1 U	1 U
75-27-4	Bromodichloromethane	50 G	ug/L	1 U	1 U	1 U	1 U	1 U
75-25-2	Bromoform	50 G	ug/L	1 U	1 U	1 U	1 U	1 U
74-83-9	Bromomethane	5	ug/L	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
75-15-0	Carbon Disulfide	NS	ug/L	1 U	1 U	1 U	1 U	1 U
56-23-5	Carbon Tetrachloride	5	ug/L	1 U	1 U	1 U	1 U	1 U
108-90-7	Chlorobenzene	5	ug/L	1 U	1 U	1 U	1 U	1 U
75-00-3	Chloroethane	5	ug/L	1 U	1 U	1 U	1 U	1 U
67-66-3	Chloroform	7	ug/L	1 U	1 U	1 U	1 U	1 U
74-87-3	Chloromethane	5	ug/L	1 U	1 U	1 U	1 U	1 U
124-48-1	Dibromochloromethane	50 G	ug/L	1 U	1 U	1 U	1 U	1 U
100-41-4	Ethylbenzene	5	ug/L	1 U	1 U	1 U	1 U	1 U
75-09-2	Methylene Chloride	5	ug/L	1 U	1 U	1 U	1 U	1 U
100-42-5	Styrene	5	ug/L	1 U	1 U	1 U	1 U	1 U
127-18-4	Tetrachloroethylene	5	ug/L	1 U	1 U	1 U	1 U	1 U
108-88-3	Toluene	5	ug/L	1 U	1 U	1 U	1 U	1 U
79-01-6	Trichloroethene	5	ug/L	1 U	1 U	1 U	1 U	1 U
75-01-4	Vinyl Chloride	2	ug/L	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
156-59-2	cis-1,2-Dichloroethene	5	ug/L	1 U	1 U	1 U	1 U	1 U
10061-01-5	cis-1,3-Dichloropropene	0.4 (a)	ug/L	1 U*	1 U*	1 U*	1 U*	1 U*
136777-61-2	m,p-Xylene	NS	ug/L	1 U	1 U	1 U	1 U	1 U
95-47-6	o-Xylene	5	ug/L	1 U	1 U	1 U	1 U	1 U
156-60-5	trans-1,2-Dichloroethene	5	ug/L	1 U	1 U	1 U	1 U	1 U
10061-02-6	trans-1,3-Dichloropropene	0.4 (a)	ug/L	1 U**	1 U**	1 U**	1 U**	1 U**

U = Undetected.

"UJ" = The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.

* - The method detection limit for this analyte is 0.2 ug/L

NS - No Standard exists at this time

G - Guidance Value

(a) - Applies to sum of cis- and trans- isomers

** - The method detection limit for this analyte is 0.3 ug/L

ATTACHMENT A

Summary of Previous Post-Removal Groundwater Sampling Results

Table 1
AOC-2
Water Monitoring
VOC Results

Compound	NYDEC MCL (ug/l)	RL (ug/L)	PCMw-01	PCMw-02	MW-3	MW-5	MW-7	SURFACE H2O
Date Collected			4/12/2007	4/12/2007	4/12/2007	4/12/2007	4/12/2007	4/12/2007
1,1,1,-Trichloroethane	5	1.0	BQL	BQL	BQL	BQL	BQL	BQL
1,1,2,2-Tetrachloroethane	5	1.0	BQL	BQL	BQL	BQL	BQL	BQL
1,1,2-Trichloroethane	1	1.0	BQL	BQL	BQL	BQL	BQL	BQL
1,1-Dichloroethane	5	1.0	BQL	BQL	BQL	BQL	BQL	BQL
1,1-Dichloroethene	5	1.0	BQL	BQL	BQL	BQL	BQL	BQL
1,2-Dichlorobenzene	3	1.0	BQL	BQL	BQL	BQL	BQL	BQL
1,2-Dichloroethane	0.6-ADL	1.0	BQL	3.5	BQL	BQL	BQL	BQL
1,3-Dichlorobenzene	3	1.0	BQL	BQL	BQL	BQL	BQL	BQL
1,3-Dichloropropane	5	1.0	BQL	BQL	BQL	BQL	BQL	BQL
1,4-Dichlorobenzene	3	1.0	BQL	BQL	BQL	BQL	BQL	BQL
2-Butanone (MEK)	50	5.0	BQL	BQL	BQL	BQL	BQL	BQL
4-Methyl-2-Pentanone (MIBK)	NS	5.0	BQL	BQL	BQL	BQL	BQL	BQL
Acetone	50	5.0	BQL	BQL	BQL	BQL	BQL	BQL
Benzene	1	1.0	0.37	2.9	1.5	0.4	0.4	0.17
Bromochloromethane	5	1.0	BQL	BQL	BQL	BQL	BQL	BQL
Bromomethane	5	1.0	BQL	BQL	BQL	BQL	BQL	BQL
Carbon Disulfide	NS	1.0	BQL	BQL	BQL	BQL	BQL	BQL
Carbon Tetrachloride	5	1.0	BQL	BQL	BQL	0.44	BQL	BQL
Chlorobenzene	5	1.0	0.42	2.3	1.2	BQL	BQL	0.24
Chloroethane	5	1.0	BQL	BQL	BQL	BQL	BQL	BQL
Chloroform	7	1.0	BQL	BQL	BQL	BQL	BQL	BQL
Chloromethane	NS	1.0	BQL	BQL	BQL	BQL	BQL	BQL
Dibromochloromethane	50	1.0	BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	5	1.0	BQL	3.8	0.16	BQL	0.25	BQL
Freon 113	5	1.0	BQL	BQL	BQL	BQL	BQL	BQL
Methylene Chloride	5	1.0	BQL	1.4	BQL	BQL	1.5	0.78
Styrene	930	1.0	BQL	BQL	BQL	BQL	BQL	BQL
Tetrachloroethene	5	1.0	0.41	17	7.5-JM	0.36	0.29	0.18
Toluene	5	1.0	0.14	0.94	0.45	0.16	1.0	BQL
Xylenes (total)	5	1.0	BQL	2.3	1.1	BQL	1.0	BQL
Trichloroethene	5	1.0	BQL	0.51	0.24	BQL	BQL	BQL
Trichlorofluoromethane	5	1.0	BQL	BQL	BQL	BQL	BQL	BQL
Vinyl Chloride	2	1.0	BQL	BQL	BQL	BQL	BQL	BQL
<i>trans</i> -1,2 Dichloroethene	5	1.0	BQL	BQL	BQL	BQL	BQL	BQL

MCL from NYDEC TOGS 111- Groundwater Effluent Standards
Class GA

Results in **bold** type are >MCL

JM-flagged as "estimated minimum value" due to poor QC Matrix
recovery

Table 1
AOC-2
Water Monitoring
VOC Results

Compound	NYDEC MCL (ug/l)	RL (ug/L)	PCMw-01	PCMw-02	MW-3	MW-5	MW-7
Date Collected			10/10/2007	10/10/2007	10/10/2007	10/10/2007	10/10/2007
1,1,1,-Trichloroethane	5	1.0	BQL	BQL	BQL	BQL	BQL
1,1,2,2-Tetrachloroethane	5	1.0	BQL	BQL	BQL	BQL	BQL
1,1,2-Trichloroethane	1	1.0	BQL	BQL	BQL	BQL	BQL
1,1-Dichloroethane	5	1.0	BQL	BQL	BQL	BQL	BQL
1,1-Dichloroethene	5	1.0	BQL	BQL	BQL	BQL	BQL
1,2-Dichlorobenzene	3	1.0	BQL	BQL	BQL	BQL	BQL
1,2-Dichloroethane	0.6-ADL	1.0	BQL	BQL	BQL	BQL	BQL
1,3-Dichlorobenzene	3	1.0	BQL	BQL	BQL	BQL	BQL
1,3-Dichloropropane	5	1.0	BQL	BQL	BQL	BQL	BQL
1,4-Dichlorobenzene	3	1.0	BQL	BQL	BQL	BQL	BQL
2-Butanone (MEK)	50	5.0	BQL	BQL	BQL	BQL	BQL
4-Methyl-2-Pentanone (MIBK)	NS	5.0	BQL	BQL	BQL	BQL	BQL
Acetone	50	5.0	BQL	BQL	BQL	BQL	BQL
Benzene	1	1.0	BQL	BQL	BQL	BQL	BQL
Bromochloromethane	5	1.0	BQL	BQL	BQL	BQL	BQL
Bromomethane	5	1.0	BQL	BQL	BQL	BQL	BQL
Carbon Disulfide	NS	1.0	BQL	BQL	BQL	BQL	BQL
Carbon Tetrachloride	5	1.0	BQL	BQL	BQL	BQL	BQL
Chlorobenzene	5	1.0	BQL	BQL	BQL	BQL	BQL
Chloroethane	5	1.0	BQL	BQL	BQL	BQL	BQL
Chloroform	7	1.0	BQL	BQL	BQL	BQL	BQL
Chloromethane	NS	1.0	BQL	BQL	BQL	BQL	BQL
Dibromochloromethane	50	1.0	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	5	1.0	BQL	BQL	BQL	BQL	BQL
Freon 113	5	1.0	BQL	BQL	BQL	BQL	BQL
Methylene Chloride	5	1.0	BQL	BQL	BQL	BQL	BQL
Styrene	930	1.0	BQL	BQL	BQL	BQL	BQL
Tetrachloroethene	5	1.0	BQL	BQL	BQL	BQL	BQL
Toluene	5	1.0	BQL	BQL	BQL	BQL	BQL
Xylenes (total)	5	1.0	BQL	BQL	BQL	BQL	BQL
Trichloroethene	5	1.0	BQL	BQL	BQL	BQL	BQL
Trichlorofluoromethane	5	1.0	BQL	BQL	BQL	BQL	BQL
Vinyl Chloride	2	1.0	BQL	BQL	BQL	BQL	BQL
trans-1,2 Dichloroethene	5	1.0	BQL	BQL	BQL	BQL	BQL

MCL from NYDEC TOGS 111- Groundwater Effluent Standards
Class GA

Results in **bold** type are >MCL

JM-flagged as "estimated minimum value" due to poor QC Matrix
recovery

ATTACHMENT A
Previous Post Removal Groundwater Sampling Results

Compound	NYDEC MCL (ug/l)	RL (ug/L)	PCMW-01	PCMW-02	MW-3	MW-5	MW-7
Date Collected			4/12/2007	4/12/2007	4/12/2007	4/12/2007	4/12/2007
2,4,5-Trichlorophenol	2	1.1	BQL	BQL	BQL	BQL	BQL
2,4-Dichlorophenol	2	1.1	BQL	BQL	BQL	BQL	BQL
2,4-Dinitrophenol	2	2.6	BQL	BQL	BQL	BQL	BQL
2,4-Dinitrotoluene	5	0.21	BQL	BQL	BQL	BQL	BQL
2,6-Dinitrotoluene	5	0.21	BQL	BQL	BQL	BQL	BQL
2-Chlorophenol	2	1.1	BQL	BQL	BQL	BQL	BQL
2-Methylnaphthalene	NS	0.21	BQL	BQL	BQL	BQL	BQL
2-Nitroaniline	5	0.21	BQL	BQL	BQL	BQL	BQL
2-Nitrophenol	2	1.1	BQL	BQL	BQL	BQL	BQL
2-methylphenol	2	1.1	BQL	BQL	BQL	BQL	BQL
3-Nitroaniline	5	0.21	BQL	BQL	BQL	BQL	BQL
4-Chloroaniline	5	0.21	BQL	BQL	BQL	BQL	BQL
4-Nitroaniline	5	0.21	BQL	BQL	BQL	BQL	BQL
4-Nitrophenol	2	2.6	BQL	BQL	BQL	BQL	BQL
4-chloro-3-methylphenol	2	1.1	BQL	BQL	BQL	BQL	BQL
4-methylphenol	2	1.1	BQL	BQL	BQL	BQL	BQL
Acenaphthene	20	0.21	BQL	BQL	BQL	BQL	BQL
Acenaphthylene	NS	0.21	BQL	BQL	BQL	BQL	BQL
Aniline	5	0.21	BQL	BQL	BQL	BQL	BQL
Anthracene	50	0.21	BQL	BQL	BQL	BQL	BQL
Benzo(a) anthracene	0.002-ADL	0.21	BQL	BQL	BQL	0.078-J	BQL
Benzo(a) pyrene	ADL	0.21	BQL	BQL	BQL	BQL	BQL
Benzo(b) fluoranthene	0.002-ADL	0.21	BQL	BQL	BQL	0.067-J	BQL
Benzo(g,h,i)perylene	NS	0.21	BQL	BQL	BQL	0.078-J	BQL
Benzo(k) fluoranthene	0.002-ADL	0.21	BQL	BQL	BQL	BQL	BQL
Butyl benzyl phthalate	50	0.21	BQL	BQL	BQL	BQL	BQL

MCL from NYDEC TOGS 111- Groundwater Effluent Standards Class GA

Values in **bold** type are above MCL, including MCLs established at ADL

J-value is >MDL<RL, estimated

ATTACHMENT A
Previous Post Removal Groundwater Sampling Results

Compound	NYDEC MCL (ug/l)	RL (ug/L)	PCMW-01	PCMW-02	MW-3	MW-5	MW-7
Date Collected			4/12/2007	4/12/2007	4/12/2007	4/12/2007	4/12/2007
Chrysene	0.002-ADL	0.21	BQL	BQL	BQL	0.067-J	BQL
Dibenz(a,h) Anthracene	NS	0.21	BQL	BQL	BQL	0.056-J	BQL
Dibenzofuran	NS	0.21	BQL	BQL	BQL	BQL	BQL
Diethyl Phthalate	50	0.21	0.22	0.13-J	0.12-J	0.4	0.13-J
Dimethyl Phthalate	50	0.21	BQL	BQL	BQL	BQL	BQL
Fluoranthene	50	0.21	BQL	BQL	BQL	0.067-J	BQL
Fluorene	50	0.21	BQL	BQL	BQL	BQL	BQL
Hexachlorobenzene	0.04-ADL	0.21	BQL	BQL	BQL	BQL	BQL
Hexachlorocyclopentadiene	5	0.21	BQL	BQL	BQL	BQL	BQL
Indeno(1,2,3-c,d) Pyrene	0.002-ADL	0.21	BQL	BQL	BQL	0.067-J	BQL
Isophorone	50	0.21	BQL	BQL	BQL	BQL	BQL
Naphthalene	10	0.21	BQL	BQL	BQL	BQL	BQL
Nitrobenzene	0.4	0.21	BQL	BQL	BQL	BQL	BQL
Pentachlorophenol	2	2.6	BQL	BQL	BQL	BQL	BQL
Phenanthrene	50	0.21	0.17	0.18	BQL	BQL	BQL
Phenol	2	1.1	BQL	BQL	BQL	BQL	BQL
Pyrene	50	0.21	BQL	BQL	BQL	0.056-J	BQL
bis(2-ethylhexyl) phthalate	5	0.21	2.8	4	1.7	2.7	5.4
di-n-Butyl Phthalate	50	0.21	0.16-J	0.16-J	0.23	0.21	0.24
di-n-Octyl Phthalate	50	0.21	BQL	BQL	BQL	BQL	BQL

MCL from NYDEC TOGS 111- Groundwater Effluent Standards Class GA

Values in **bold** type are above MCL, including MCLs established at ADL

J-value is >MDL<RL, estimated

ATTACHMENT A
Previous Post Removal Groundwater Sampling Results

Compound	NYDEC MCL (ug/l)	RL (ug/L)	SURFACE H2O	PCMw-1	PCMw-2	MW-3	MW-5	MW-7
Date Collected			4/12/2007	10/10/2007	10/10/2007	10/10/2007	10/10/2007	10/10/2007
2,4,5-Trichlorophenol	2	1.1	BQL	BQL	BQL	BQL	BQL	BQL
2,4-Dichlorophenol	2	1.1	BQL	BQL	BQL	BQL	BQL	BQL
2,4-Dinitrophenol	2	2.6	BQL	BQL	BQL	BQL	BQL	BQL
2,4-Dinitrotoluene	5	0.21	BQL	BQL	BQL	BQL	BQL	BQL
2,6-Dinitrotoluene	5	0.21	BQL	BQL	BQL	BQL	BQL	BQL
2-Chlorophenol	2	1.1	BQL	BQL	BQL	BQL	BQL	BQL
2-Methylnaphthalene	NS	0.21	BQL	BQL	BQL	BQL	BQL	BQL
2-Nitroaniline	5	0.21	BQL	BQL	BQL	BQL	BQL	BQL
2-Nitrophenol	2	1.1	BQL	BQL	BQL	BQL	BQL	BQL
2-methylphenol	2	1.1	BQL	BQL	BQL	BQL	BQL	BQL
3-Nitroaniline	5	0.21	BQL	BQL	BQL	BQL	BQL	BQL
4-Chloroaniline	5	0.21	BQL	BQL	BQL	BQL	BQL	BQL
4-Nitroaniline	5	0.21	BQL	BQL	BQL	BQL	BQL	BQL
4-Nitrophenol	2	2.6	BQL	BQL	BQL	BQL	BQL	BQL
4-chloro-3-methylphenol	2	1.1	BQL	BQL	BQL	BQL	BQL	BQL
4-methylphenol	2	1.1	BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	20	0.21	BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthylene	NS	0.21	BQL	BQL	BQL	BQL	BQL	BQL
Aniline	5	0.21	BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	50	0.21	BQL	BQL	BQL	BQL	BQL	BQL
Benzo(a) anthracene	0.002-ADL	0.21	BQL	BQL	BQL	BQL	BQL	BQL
Benzo(a) pyrene	ADL	0.21	BQL	BQL	BQL	BQL	BQL	BQL
Benzo(b) fluoranthene	0.002-ADL	0.21	BQL	BQL	BQL	BQL	BQL	BQL
Benzo(g,h,i)perylene	NS	0.21	BQL	BQL	BQL	BQL	BQL	BQL
Benzo(k) fluoranthene	0.002-ADL	0.21	BQL	BQL	BQL	BQL	BQL	BQL
Butyl benzyl phthalate	50	0.21	BQL	BQL	BQL	BQL	BQL	BQL

MCL from NYDEC TOGS 111- Groundwater Effluent Standards Class GA

Values in **bold** type are above MCL, including MCLs established at ADL

J-value is >MDL<RL, estimated

ATTACHMENT A
Previous Post Removal Groundwater Sampling Results

Compound	NYDEC MCL (ug/l)	RL (ug/L)	SURFACE H2O	PCMw-1	PCMw-2	MW-3	MW-5	MW-7
Date Collected			4/12/2007	10/10/2007	10/10/2007	10/10/2007	10/10/2007	10/10/2007
Chrysene	0.002-ADL	0.21	BQL	BQL	BQL	BQL	BQL	BQL
Dibenz(a,h) Anthracene	NS	0.21	BQL	BQL	BQL	BQL	BQL	BQL
Dibenzofuran	NS	0.21	BQL	BQL	BQL	BQL	BQL	BQL
Diethyl Phthalate	50	0.21	BQL	0.10-J	BQL	BQL	BQL	BQL
Dimethyl Phthalate	50	0.21	BQL	BQL	BQL	BQL	BQL	BQL
Fluoranthene	50	0.21	BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	50	0.21	BQL	BQL	BQL	BQL	BQL	BQL
Hexachlorobenzene	0.04-ADL	0.21	BQL	BQL	BQL	BQL	BQL	BQL
Hexachlorocyclopentadiene	5	0.21	BQL	BQL	BQL	BQL	BQL	BQL
Indeno(1,2,3-c,d) Pyrene	0.002-ADL	0.21	BQL	BQL	BQL	BQL	BQL	BQL
Isophorone	50	0.21	BQL	BQL	BQL	BQL	BQL	BQL
Naphthalene	10	0.21	BQL	BQL	BQL	BQL	BQL	BQL
Nitrobenzene	0.4	0.21	BQL	BQL	BQL	BQL	BQL	BQL
Pentachlorophenol	2	2.6	BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	50	0.21	BQL	BQL	BQL	BQL	BQL	BQL
Phenol	2	1.1	BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	50	0.21	BQL	BQL	BQL	BQL	BQL	BQL
bis(2-ethylhexyl) phthalate	5	0.21	3	1.6	3	1.8	1.7	0.72
di-n-Butyl Phthalate	50	0.21	0.18-J	1	0.86	0.62	0.63	0.29
di-n-Octyl Phthalate	50	0.21	BQL	BQL	BQL	BQL	BQL	BQL

MCL from NYDEC TOGS 111- Groundwater Effluent Standards Class GA

Values in **bold** type are above MCL, including MCLs established at ADL

J-value is >MDL<RL, estimated

Table 3
AOC-2
Water Monitoring
Pesticide Results

Compound	NYDEC MCL		PCMW-01	PCMW-02	MW-3	MW-5	MW-7	SURFACE H2O
	(ug/l)	RL (ug/L)						
			4/12/2007	4/12/2007	4/12/2007	4/12/2007	4/12/2007	4/12/2007
4,4-DDD	0.3	0.052	BQL	BQL	BQL	BQL	BQL	BQL
4,4-DDE	0.2	0.052	BQL	BQL	BQL	BQL	BQL	BQL
4,4-DDT	0.2	0.052	BQL	BQL	BQL	BQL	BQL	BQL
Aldrin	ADL	0.052	0.028-J	BQL	BQL	BQL	BQL	BQL
alpha-BHC	ADL	0.052	BQL	BQL	BQL	BQL	BQL	BQL
beta-BHC	0.04	0.052	0.075	BQL	BQL	BQL	BQL	BQL
Chlordane	0.05-ADL	1.0	BQL	BQL	BQL	BQL	BQL	BQL
delta-BHC	ADL	0.052	BQL	BQL	BQL	BQL	BQL	BQL
Dieldrin	0.004-ADL	0.052	BQL	BQL	BQL	BQL	BQL	BQL
Endosulfan I	NS	0.052	BQL	BQL	BQL	BQL	BQL	BQL
Endosulfan II	NS	0.052	BQL	BQL	BQL	BQL	BQL	BQL
Endosulfan Sulfate	NS	0.052	BQL	BQL	BQL	BQL	BQL	BQL
Endrin	ADL	0.052	BQL	BQL	BQL	BQL	BQL	BQL
Gamma-BHC (Lindane)	0.05	0.052	BQL	BQL	BQL	BQL	BQL	BQL
Heptachlor	0.04	0.052	BQL	BQL	BQL	BQL	BQL	BQL
Heptachlor Epoxide	0.03	0.052	BQL	BQL	BQL	BQL	BQL	0.068
Methoxychlor	35	0.052	BQL	BQL	BQL	BQL	BQL	BQL
Toxaphene	0.06	1.0	BQL	BQL	BQL	BQL	BQL	BQL

MCL from NYDEC TOGS 111- Groundwater Effluent
Standards Class GA

J-value is >MDL<RL;estimated

Table 3
AOC-2
Water Monitoring
Pesticide Results

Compound	NYDEC MCL (ug/l)	RL (ug/L)	PCMw-01	PCMw-02	MW-3	MW-5	MW-7
			10/10/2007	10/10/2007	10/10/2007	10/10/2007	10/10/2007
4,4-DDD	0.3	0.052	BQL	BQL	BQL	BQL	BQL
4,4-DDE	0.2	0.052	BQL	BQL	BQL	BQL	BQL
4,4-DDT	0.2	0.052	BQL	BQL	BQL	BQL	BQL
Aldrin	ADL	0.052	BQL	BQL	BQL	BQL	BQL
alpha-BHC	ADL	0.052	BQL	BQL	BQL	BQL	BQL
beta-BHC	0.04	0.052	BQL	BQL	BQL	BQL	BQL
Chlordane	0.05-ADL	1.0	BQL	BQL	BQL	BQL	BQL
delta-BHC	ADL	0.052	BQL	BQL	BQL	BQL	BQL
Dieldrin	0.004-ADL	0.052	BQL	BQL	BQL	BQL	BQL
Endosulfan I	NS	0.052	BQL	BQL	BQL	BQL	BQL
Endosulfan II	NS	0.052	BQL	BQL	BQL	BQL	BQL
Endosulfan Sulfate	NS	0.052	BQL	BQL	BQL	BQL	BQL
Endrin	ADL	0.052	BQL	BQL	BQL	BQL	BQL
Gamma-BHC (Lindane)	0.05	0.052	BQL	BQL	BQL	BQL	BQL
Heptachlor	0.04	0.052	BQL	BQL	BQL	BQL	BQL
Heptachlor Epoxide	0.03	0.052	BQL	BQL	BQL	BQL	BQL
Methoxychlor	35	0.052	BQL	BQL	BQL	BQL	BQL
Toxaphene	0.06	1.0	BQL	BQL	BQL	BQL	BQL

MCL from NYDEC TOGS 111- Groundwater Effluent

Standards Class GA

J-value is >MDL<RL;estimated

Table 4
AOC-2
Water monitoring
Metals Results

Metal	NYDEC MCL (ug/l)	RL (ug/L)	PCMW-01	PCMW-02	MW-3	MW-5	MW-7	SURFACE H2O
Date Collected			4/12/2007	4/12/2007	4/12/2007	4/12/2007	4/12/2007	4/12/2007
Aluminum	2000	100	27000	2424	107	1560	104	398
Antimony	6	1	0.56	BQL	BQL	BQL	BQL	0.3
Arsenic	50	5	11	2.2	BQL	BQL	BQL	1.3
Barium	2000	5	178	33.9	13	22.2	7.8	14.9
Beryllium	3	0.2	1.1	0.11	BQL	0.059	BQL	BQL
Cadmium	10	0.5	0.49	0.39	BQL	0.16	0.68	0.17
Calcium	NS	1000	104000	90700	555000	444000	550000	14700
Chromium	100	2	39	3.4	BQL	2.6	BQL	BQL
Cobalt	NS	1	13	5.8	0.87	3.4	BQL	0.46
Copper	1000	2	44.9	5.3	1.9	3.2	2.5	2.8
Iron	600	50	71800	4830	557	2280	134	819
Lead	50/15	2	25.8	1.3	0.46	1.7	0.49	0.71
Magnesium	35000	100	43600	46300	210000	418000	56200	6100
Manganese	600	2	1310	1350	1240	1630	271	66.3
Mercury	1.4	0.2	BQL	BQL	BQL	BQL	BQL	BQL
Nickel	200	1	35.1	11.1	4.5	8.2	2.5	4
Potassium	NS	1000	27700	1440	9810	15800	3890	790
Selenium	20	5	1.6	BQL	BQL	BQL	BQL	BQL
Silver	100	0.3	0.24	BQL	BQL	BQL	BQL	BQL
Sodium	NS	1000	45000	32800	50200	215000	1550	3360
Thallium	0.5	2	0.46	0.22	0.096	0.14	0.12	BQL
Vanadium	NS	10	52	4.1	BQL	3.7	BQL	BQL
Zinc	5000	10	82.8	15.6	5.2	8.2	6.4	8.2

MCL for Lead also reflects current drinking water value of 15ug/l

MCL from NYDEC TOGS 111- Groundwater Effluent Standards Class GA

Values in **bold** type are above MCL

Lead values in *italics* are above DW MCL but below NYDEC TOGS 111 limit

* result from Shaw requested re-analysis performed on 11/7/2007 after original data indicated a potential for improperly reported data

Values in *italics* exceed one or more criteria
Values in **bold** face exceed all criteria

Table 4
AOC-2
Water monitoring
Metals Results

	NYDEC							
Metal	MCL (ug/l)	RL (ug/L)	PCMW-1	PCMW-2	MW-3*	MW-5*	MW-7	
Date Collected			10/10/2007	10/10/2007	10/10/2007	10/10/2007	10/10/2007	
Aluminum	2000	100	397	804	53.3	471	352	
Antimony	6	1	BQL	BQL	BQL	0.28	BQL	
Arsenic	50	5	2.4	BQL	1.3	BQL	BQL	
Barium	2000	5	524	25.4	14.7	18.4	9.6	
Beryllium	3	0.2	0.056	0.13	BQL	0.037	BQL	
Cadmium	10	0.5	BQL	1.3	BQL	0.27	0.1	
Calcium	NS	1000	136000	41000	570000	469000	551000	
Chromium	100	2	3.7	2.5	BQL	3	BQL	
Cobalt	NS	1	0.28	6.9	0.71	3.1	0.54	
Copper	1000	2	2.4	6.3	3	3.6	3.3	
Iron	600	50	16800	1440	1620	1100	432	
Lead	50/15	2	0.71	0.84	0.26	0.82	0.62	
Magnesium	35000	100	53100	22800	226000	453000	75900	
Manganese	600	2	222	697	1540	1600	348	
Mercury	1.4	0.2	BQL	0.076	BQL	BQL	BQL	
Nickel	200	1	1.6	11.4	3.4	8.2	2.4	
Potassium	NS	1000	16500	900	11200	18400	5100	
Selenium	20	5	BQL	BQL	BQL	BQL	BQL	
Silver	100	0.3	BQL	BQL	BQL	BQL	BQL	
Sodium	NS	1000	109000	43600	59400	255000	2000	
Thallium	0.5	2	0.27	0.14	0.1	0.099	0.23	
Vanadium	NS	10	52	2.4	BQL	2.2	BQL	
Zinc	5000	10	82.8	29.4	9.9	14.2	10.9	

MCL for Lead also reflects current drinking water value of 15ug/l

MCL from NYDEC TOGS 111- Groundwater Effluent Standards Class GA

Values in **bold** type are above MCL

Lead values in *italics* are above DW MCL but below NYDEC TOGS 111 limit

* result from Shaw requested re-analysis performed on 11/7/2007 after original data indicated a potential for improperly reported data

Values in *italics* exceed one or more criteria
Values in **bold** face exceed all criteria

Apr-07

- 7 J-flagged

J-flagged

J-flagged

J-flagged

1

1

1

1

Oct-07

Table 5

**Table 5
AOC-2
Water Sampling
Field QC**

Metal	Apr-07					
	NYDEC MCL (ug/l)	RL (ug/L)	Trip Blank	MW-7	B. DUP	RPD
Aluminum	2000	100	NA	104	BQL	INDETER
Arsenic	50	5	NA	BQL	33.1	INDETER
Barium	2000	5	NA	7.8	52.6	148.3
Cadmium	10	0.5	NA	0.68	BQL	INDETER
Calcium	NS	1000	NA	550000	558000	1.4
Cobalt	NS	1	NA	BQL	6	INDETER
Copper	1000	2	NA	2.5	1.3	63.2
Iron	600	50	NA	134	20400	197.4
Lead	50/15	2	NA	0.49	BQL	INDETER
Magnesium	35000	100	NA	56200	34900	46.8
Manganese	600	2	NA	271	1820	148.2
Nickel	200	1	NA	2.5	6.4	87.6
Potassium	NS	1000	NA	3890	4520	15.0
Sodium	NS	1000	NA	1550	4040	89.1
Thallium	0.5	2	NA	0.12	0.19	45.2
Zinc	5000	10	NA	6.4	5.3	18.8
Diethyl Phthalate	50	0.13	NA	0.13	BQL	INDETER
bis(2-ethylhexyl) phthalate	5	0.21	NA	5.4	3	57.1
di-n-Butyl Phthalate	50	0.21	NA	0.24	0.16	40.0

Field Duplicate data reflects hits only-no hits for Pesticides in either sample or Duplicate sample

Trip Blank	Oct-07		
	MW-3	DUPE	RPD
NA	54.1	69.5	24.9
NA	1.2	1	18.2
NA	14.8	15.7	5.9
NA	BQL	BQL	INDETER
NA	546000	586000	7.1
NA	1	1.1	9.5
NA	2.7	2.6	3.8
NA	1670	1750	4.7
NA	0.29	0.37	24.2
NA	224000	243000	8.1
NA	1500	1510	0.7
NA	3.6	3.8	5.4
NA	10900	11100	1.8
NA	57300	58200	1.6
NA	0.12	0.22	58.8
NA	7.9	10.8	31.0
NA	BQL	BQL	INDETER
NA	1.8	2.9	46.8
NA	0.62	0.43	36.2

J-flagged
J-flagged

ATTACHMENT B

Groundwater Sampling Field Data Sheets

PARSONS

WELL PURGING OBSERVATIONS

SITE NAME: DNSC Schenectady Depot AOC-2
 PROJECT NUMBER: 743440.08000

SAMPLE NUMBER: MW-3
 DATE: 5-1-08

WEATHER: clear sunny, cold (30's-40's)
 TIME: 9:00 setting up to purge

SAMPLERS: Scott Dillman of Parsons
 of _____

DESCRIPTION OF SAMPLING POINT

Sample Location: well MW-3 top of hill
 Screen/Sample Depth: ~ 28-18 ft from TOC
 Sample Method: Low flow peristaltic pump

GROUNDWATER PURGING

Initial Static Water Level: 6.01' from TOC at 9:30, TD = 28.2' from TOC

One Well Volume: 3 Volumes
 2-Inch Casing: 22.19 Feet of Water x 0.16 Gallons/Foot = 3.55 Gallons 10.6
 3-Inch Casing: _____ Feet of Water x 0.36 Gallons/Foot = _____ Gallons _____
 4-Inch Casing: _____ Feet of Water x 0.65 Gallons/Foot = _____ Gallons _____

Volume of groundwater purged: 5.5 Gallons

Purging Device: Peristaltic Pump

Purge Water Disposition (e.g., contained): _____

FIELD MEASUREMENTS

calibrated Horiba - OK 9:40

Time	pH	Conductivity (mS)	Temp. (Degrees C)	Turbidity (NTUs)	DO	ORP	Comments
10:12	Begin	Purge					Battery error on Horiba change Battery - OK
10:28	6.67	3.93	9.86	15.8	0.00	62	300 ml/min 7.48 DTW
10:33	6.68	3.92	10.01	18.4	0.00	57	240 ml/min 7.41 DTW
10:37	6.68	3.92	10.16	19.27	0.00	53	225 ml/min ↓
10:42	6.69	3.92	10.15	10.5	0.00	50	225 ml/min 7.43 DTW
10:47	6.69	3.91	10.17	8.2	0.00	48	180 ml/min 7.47 DTW
10:52	6.69	3.90	10.29	18	0.00	47	205 ml/min 7.40 DTW
10:58	6.69	3.90	10.23	5.2	0.00	45	
11:02	6.69	3.87	10.29	11.9	0.00	45	250 ml/min 7.56 DTW
11:10	6.69	3.85	10.35	11	0.00	44	220 ml/min 7.62 DTW
11:15	6.69	3.84	10.30	8	0.00	43	225 ml/min 7.66 DTW

Note: pump will not run slower than 200 ml/min

PARSONS WELL PURGING OBSERVATIONS

SITE NAME: DNSC Schenectady Depot AOC-2
PROJECT NUMBER: 743440.08000

SAMPLE NUMBER: MW-3
DATE: 5-1-08

WEATHER: clear, sunny, light breeze 40's-50's mph
TIME: 11:45

SAMPLERS: Scott Dillman

of Parsons
of

Time	pH	Conductivity (mS/cm)	Temp. (Degrees C)	Turbidity (NTUs)	DO m g/L	ORP mV	Comments
11:18	6.69	3.83	10.23	11.9	0.00	43	225 ml/min 7.71 DTW
11:24	6.69	3.83	10.36	6.6	0.00	43	225 ml/min 7.73 DTW
11:28	6.69	3.81	10.36	8.5	0.00	43	225 ml/min
11:33	6.69	3.81	10.32	7.8	0.00	43	225 ml/min 7.79 DTW
collect sample at				11:35	for NDCS		
Total purged				5.5	gallons, water discharged to ground,		
							infiltrated back into
							ground.
water clear, no stain or odor.							
water got fizzy in lab bottle, reacted with							
the acid. Difficult to get bubble free sample							

PARSONS **WELL PURGING OBSERVATIONS**

SITE NAME: DNSC Schenectady Depot AOC-2
PROJECT NUMBER: 743440.08000

SAMPLE NUMBER: PCMW-02
DATE: 5-1-08

WEATHER: sunny, partly cloudy, light breeze
TIME: 12:40

SAMPLERS: Scott Dillman of Parsons
 of _____

DESCRIPTION OF SAMPLING POINT

Sample Location: PCMW-02
Screen/Sample Depth: 2.46 ftw from TOC TD = 13 feet from TOC
Sample Method: Low flow peristaltic pump

GROUNDWATER PURGING

Initial Static Water Level: 2.46 ftw from TOC
One Well Volume: 3 Volumes
 2-Inch Casing: 10.54 Feet of Water x 0.16 Gallons/Foot = 1.68 Gallons 5.1
 3-Inch Casing: _____ Feet of Water x 0.36 Gallons/Foot = _____ Gallons _____
 4-Inch Casing: _____ Feet of Water x 0.65 Gallons/Foot = _____ Gallons _____

Volume of groundwater purged: 7 Gallons
Purging Device: Low Flow Peristaltic Pump
Purge Water Disposition (e.g., contained): Discharged to ground

FIELD MEASUREMENTS

Time	pH	Conductivity (mS)	Temp. (Degrees C)	Turbidity (NTUs)	DO	ORP	Comments
12:55	<u>Start pump</u>						350 ml/min
1:00	6.45	1.51	8.14	40.8	0.38	23	270 ml/min 2.52 ftw
1:05	6.37	1.40	8.19	32	0.03	24	270 ml/min
1:10	6.05	1.30	8.29	9.0	0.00	67	300 ml/min 2.51 ftw
1:15	5.84	1.27	8.26	7.5	0.61	88	325 ml/min 2.51 ftw
1:20	5.82	1.26	8.30	0.6	1.27	93	280 ml/min 2.51 ftw
1:25	5.82	1.26	8.32	1.0	1.61	95	300 ml/min 2.51 " "
1:30	5.81	1.26	8.34	0.0	1.86	97	300 ml/min 2.51 " "
1:35	5.79	1.26	8.40	0.0	2.09	99	300 ml/min 2.51 " "
1:40	5.79	1.26	8.24	0.0	2.31	101	310 ml/min 2.51 " "
1:45	5.78	1.26	8.23	0.0	2.49	104	280 ml/min 2.51 " "

PARSONS

SITE NAME:

SAMPLE NUMBER:

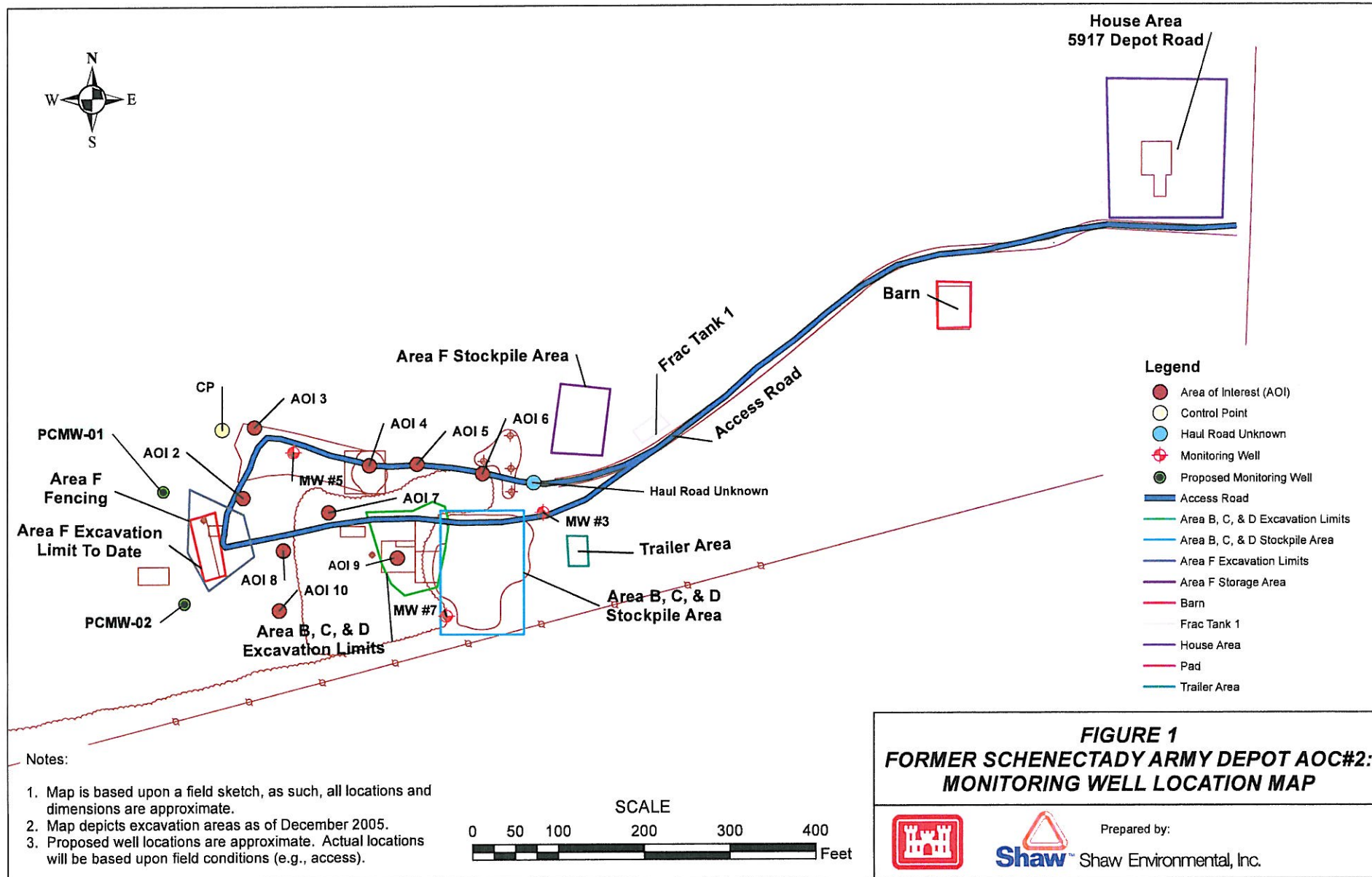
WEATHER:

SAMPLERS:

of

70C
5 gal
purged

FIGURES



ATTACHMENT C

Laboratory Analytical Data Usability Memo

ATTACHMENT A
DATA USABILITY REPORT FOR SAMPLES COLLECTED AT
FORMER SCHENECTADY ARMY DEPOT - VOORHEESVILLE AREA
(SADVA) AOC 2

Introduction

This data usability report presents the results of the quality assurance (QA) evaluation, performed by Parsons, of sample analytical data and results for samples collected at the SADVA Area of Concern (AOC) 2 – Former Post Commander’s Landfill. Three groundwater samples were collected by Parsons on May 01, 2008 and were analyzed by GPL Laboratories, LLLP (GPL), Frederick, Maryland. A trip blank was shipped and submitted with the field samples. Analytical data and results were presented by GPL in a report identified as “Analytical Report for 805012”. The report was signed by Chino Ortiz under the statement on the cover page that ‘GPL Laboratories, LLLP certifies that the test results meet all requirements of the NELAC Standards unless otherwise noted’.

The specific samples contained in the data package and the analyses performed are presented in Table 1. Recommended data qualifiers resulting from this QA evaluation are summarized on Table 2.

Table 1 – Summary of Samples and Analyses			
Parsons Sample ID	Collection Date	Matrix	Analyses Performed
MW-03	05/01/2008	Groundwater	Volatile Organic Compounds (VOCs) by Method SW8260B
PCMW-02	05/01/2008	Groundwater	Volatile Organic Compounds (VOCs) by Method SW8260B
PCMW-12	05/01/2008	Groundwater	Volatile Organic Compounds (VOCs) by Method SW8260B
TRIP BLANK	05/01/2008	Laboratory Water	Volatile Organic Compounds (VOCs) by Method SW8260B

QA Evaluation Results

All samples were received by the laboratory on May 02, 2008, intact and properly preserved. The cooler was submitted under proper chain of custody and received with an internal temperature of 4°C, which is within the acceptance range of 4°C ± 2°C.

The following describes the overall QA/QC indicators:

Analytical holding time: All samples were analyzed on May 06, 2008, which is 5 days from sample collection, within analysis holding time of 14 days for acid-preserved samples. The sample “pH <2” was verified for each sample by the laboratory prior to analysis.

GC/MS instrument tuning and performance verification: The GC/MS system was tuned and met the method performance criteria (BFB ion abundance criteria).

Analysis sequence: All analyses and QC runs were completed with the method analysis time and sequence requirements (12-hour tune clock).

Calibration results: The initial calibration results met QC acceptance criteria. The initial calibration verification results met QC acceptance criteria ($\pm 25\%D$) for all target analytes, with the exception of Acetone ($-37.9\%D$) and 2-Hexanone ($-41.6\%D$). The continuing calibration verification met QC acceptance criteria ($\pm 20\%D$) for all target analytes, with the exception of Acetone ($-69.0\%D$), 2-Hexanone ($-35.4\%D$), Bromomethane ($-25.6\%D$), and Vinyl Chloride ($-20.5\%D$). The sample results for these four analytes should be considered to be estimated values, biased low.

Internal standard results: Internal standard results [retention time and recovery (areas)] for all samples met QC acceptance criteria.

Surrogate compound results: Surrogate compound recoveries for all samples met QC acceptance criteria.

Method blank: No target analytes were reported as detected in the method blank.

Laboratory Control Sample (LCS): The LCS recoveries met QC acceptance criteria for all target analytes.

Matrix spike/matrix spike duplicate (MS/MSD) results: MS/MSD results met QC acceptance criteria for recovery (%R) and for relative percent difference (RPD) for each target analyte, with the exception of 2-Butanone (59% RPD), which exceeded the QC acceptance limit of 25%RPD. However, since the recoveries of the MS and MSD met QC acceptance criteria, no sample results are recommended for data qualification or restricted data usability.

Field QC (trip blank) results: No target analytes were reported as detected in the trip blank.

Data Usability Summary

Target VOC data should be utilized without qualification, with the exception that the results of four VOCs (Acetone, Bromomethane, 2-Hexanone, and Vinyl Chloride) in each of the samples should be considered to be estimated values, biased low, due to the non-compliance of the associated continuing calibration verification results. Data qualification recommendations are summarized in Table 2.

Table 2 – Data Qualification Recommendations		
Analyte	Sample Concentration (ug/L)	Recommended Data Qualifier
Acetone Bromomethane 2-Hexanone Vinyl chloride	U	UJ

Data Qualifiers

“U” = Undetected.

“UJ”= The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.

APPENDIX 8

BACKGROUND MEMORANDUM FOR NICKEL

Memorandum

Date: Thursday, October 27, 2005

To: Guy Gallelo

CC:

From: John Carson, Ph.D.

RE: Results of Schenectady AD AOC-2 data analysis

As we discussed, I have analyzed the metals data from the excavations in AOC-2 of Schenectady Army Depot and the relevant background (BG) for the purpose of comparing mercury (Hg) and nickel (Ni) soil concentrations to BG.

Data

I started with the Excel files that you provided ('838360 AOC-2 Area B.xls', '838360 AOC-2 Area C.xls', '838360 AOC-2 Area F.xls' and 'AOC-2 Metal hits.xls'). Based on the field drawing you provided of the planned backfill area (Area B + part of Area C), I grouped those sample locations within the planned backfill area into an area B/C to facilitate the analysis. The data is listed in Attachment 3. I did not use the original data for locations that were resampled except for analysis of trace metals/ major metals relationships. For the comparisons of mean concentrations to BG, I used the data from duplicate sample pairs with weights of 0.5 for each member of the pair. Unduplicated samples were given a weight of one.

Nondetects

There were no nondetects (ND) for Ni and two ND for Hg among the sample results used in this analysis. A number of J-qualified results were also reported at values less than the reporting limit (RL). The ND were given as <RL, where RL was the sample specific reporting limit. The laboratory RLs are almost always greater than or equal to the limit of quantitation (LOQ) which is a little more than three times the limit of detection (LOD). When J-qualified results are reported, their estimated concentrations lie between the LOD and the LOQ. In this case, ND are actually between zero and the LOD but are reported as if they are between zero and the LOQ. Unless the ND are assumed to be zero (as in Aitchison's method), reporting ND as <RL when they are really <LOD creates a high bias in statistical procedures. This problem is known as *informative censoring* (see Helsel, chapter 3). If the ND is replaced by substituting $RL/2$, then that result is biased by a factor greater than three, since $RL \geq LOQ \geq 3 \cdot LOD$.

predicting the total silt and clay content of the soil. Ni concentration would be reduced as there is more sand or organics in the soil and increased as there is less.

The Ni levels appear higher in area B/C than in BG because the Fe levels are higher due to natural variation in the soil, as indicated by the boxplots in Figure 3, not because there is anthropogenic Ni contamination. In fact, after controlling for the concentrations of Fe, K and Al, **the estimated effects for areas B, C and F area actually lower than the effect for BG**. That means that based on modeling this data, for samples in each area having the same concentrations of Fe, K and Al, we would expect to see higher Ni concentrations in the samples from BG than in those from Areas B, C or F.

Conclusion

I conclude based on this analysis that there is no evidence that either Hg or Ni are elevated above BG in the studied areas: backfill area B/C and Area F. Please contact me if you have any questions about this analysis.

Carson, John, Ph.D.

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