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August 28, 2014

Mr. Brett Frazier
Ms. Sherri Anderson-Hudgins
U.S. Army Corps of Engineers
Engineering and Support Center, Huntsville
Attn: CEHNC-ED-CS-P
4820 University Square
Huntsville, Alabama 35816-1822

SUBJECT: Draft 2014 Land Use Controls Inspection Report for the Former Solid Waste Management Units at Seneca Army Depot Activity; Contract W912DY-08-D-0003, Delivery Order 0015

Dear Mr. Frazier and Ms. Anderson-Hudgins:

Parsons Government Services, Inc. (Parsons) is pleased to submit the Draft 2014 Land Use Controls Inspection Report for the Former Solid Waste Management Units at Seneca Army Depot Activity (SEDA) in Romulus, New York. This Report presents the results of the Land Use Control (LUC) inspections conducted in April 2014 at 36 former solid waste management units. This work was performed in accordance with the Scope of Work for Delivery Order 0015 under Contract W912DY-08-D-0003.

Parsons appreciates the opportunity to provide you with the Report for this work. Should you have any questions, please do not hesitate to call me at (617) 449-1405 to discuss them.

Sincerely,

Todd Heino, P.E.
Program Manager

Enclosures

cc: S. Absolom, SEDA
K. Hoddinott, USACHPPM
R. Battaglia, USACE NY

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August 28, 2014

Mr. Julio Vazquez
US EPA Region 2
Special Projects Branch/Federal Facilities Section
290 Broadway, 18th Floor
New York, NY 10007-1866

Ms. Melissa Sweet
New York State Department of Environmental Conservation
Division of Environmental Remediation
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Albany, NY 12233-7015

Mr. Mark Sergott
Bureau of Environmental Exposure Investigation
Empire State Plaza Corning Tower, Room 1787
Albany, NY 12237

SUBJECT: Draft 2014 Land Use Controls Inspection Report for the Former Solid Waste Management Units at Seneca Army Depot Activity, Romulus, NY; EPA Site ID# NY0213820830 and NY Site ID# 8-50-006

Dear Mr. Vazquez/Ms. Sweet/Mr. Sergott:

Parsons Government Services, Inc. (Parsons) is pleased to submit the Draft 2014 Land Use Controls Inspection Report for the Former Solid Waste Management Units at Seneca Army Depot Activity (SEDA) in Romulus, New York (EPA Site ID# NY0213820830 and NY Site ID# 8-50-006). This Report presents the results of the Land Use Control (LUC) inspections conducted in April 2014 at 36 former solid waste management units.

Parsons appreciates the opportunity to provide you with the Report for this work. Should you have any questions, please do not hesitate to call me at (617) 449-1405 to discuss them.

Sincerely,

Todd Heino, P.E.
Program Manager

Enclosures

cc: M. Powers, TechLaw
S. Absolom, SEDA
K. Hoddinott, USACHPPM
B. Frazier, USACE Huntsville
S. Anderson-Hudgins, USACE Huntsville
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DRAFT

2014 LAND USE CONTROLS INSPECTION REPORT

FORMER SOLID WASTE MANAGEMENT UNITS
SEAD 1, 2, 5, 13, 16, 17, 25, 26, 27, 39, 40, 41, 43, 44A, 44B, 52, 56, 59, 62, 64A, 64B, 64C, 64D, 66, 67, 69, 71, 121C, 121I, 122B, 122E, AND THE ASH LANDFILL OPERABLE UNIT (SEADs 3, 6, 8, 14, and 15)

SENECA ARMY DEPOT ACTIVITY, ROMULUS, NEW YORK

Prepared for:
U.S. ARMY CORPS OF ENGINEERS, ENGINEERING AND SUPPORT CENTER
HUNTSVILLE, ALABAMA

and

SENECA ARMY DEPOT ACTIVITY
ROMULUS, NEW YORK

Prepared by:
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100 High Street
Boston, MA 02110

Contract Number W912DY-08-D-0003
Task Order No. 00015
EPA Site ID# NY0213820830
NY Site ID# 8-50-006

August 2014

Certification

I certify under penalty of perjury that the controls employed at the Controlled Property are unchanged from the time of implementation or that any changes to the controls employed at the Controlled Property were approved by USEPA and NYSDEC, and that nothing has occurred that would impair the ability of such control to protect the public health and environment or constitute a violation or failure to comply with the Remedial Design for such controls and giving access to such Controlled Property to evaluate continued maintenance of such controls.

David Babcock, P.E
NYPE #057570

Date

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LIST OF APPENDICES

ACRONYMS AND ABBREVIATIONS

AOC	Areas of Concern
AWQS	Ambient Water Quality Standards
BRAC	Base Realignment and Closure
BTEX	benzene, toluene, ethylbenzene, and xylene
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COC	Contaminant of Concern
DPW	Department of Public Works
DRMO	Defense Reutilization and Marketing Office
EBS	Environmental Baseline Survey
EPA	Environmental Protection Agency
ESI	Expanded site investigation
FFA	Federal Facilities Agreement
IC	Institutional controls
IRFNA	Inhibited Red-Fuming Nitric Acid
LTM	Long Term Monitoring
LUC	Land Use Control
MCL	Maximum contaminant level
NCFL	Non-Combustible Fill Landfill
NPL	National Priorities List
NYCRR	New York State Codes Rules and Regulations
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
OB	Open Burning
PAH	Polycyclic Aromatic Hydrocarbon
PCB	Polychlorinated Biphenyl
PID	Planned Industrial/Office Development Warehouse Area
QA	quality assurance
RCRA	Resource Conservation and Recovery Act
RI	Remedial investigation
ROD	Record of Decision
RSL	Regional screening levels
SAR	Small Arms Range
SEDA	Seneca Army Depot Activities
SCIDA	Seneca County Industrial Development Agency
SCO	Soil Cleanup Objective
SWMUs	Solid Waste Management Units
SOW	Statement of work
TAGM	Technical and Administrative Guidance Memorandum
TAL	Target analyte list

TCL	Target compound list
TCLP	Toxicity Characteristic Leaching Procedure
TCRA	Time critical removal action
TPH	total petroleum hydrocarbons
USEPA	U.S. Environmental Protection Agency
UU/UE	Unlimited Use and Unrestricted Exposure
UXO	unexploded ordnance

1.0 INTRODUCTION

This Draft Land Use Control Inspection Report prepared by Parsons Government Services (Parsons) presents the results of the Land Use Control (LUC) inspections conducted in April 2014 at 36 former solid waste management units (SWMU) located at the Seneca Army Depot Activity (SEDA), Romulus, New York (**Figure A-1**). The purpose of the LUC inspection is to document that the LUC objectives and restrictions established for each SWMU are unchanged and that no activities have occurred that impair or violate the ability of the LUCs to protect public health and the environment.

The report is organized into six areas which have common or similar land use and LUCs. The LUC objectives are summarized in each section below as defined in the applicable Record of Decision (ROD) for each SEAD (referenced below). The six areas and the SEADs within them are organized as follows:

- Section 2.1 - Planned Industrial/Office Development (PID) and Warehousing Area: SEADs 1, 2, 5, 16, 17, 25, 26, 27, 39, 40, 59, 64A, 66, 67, 71, 121C, and 121I (Parsons, 2004a; 2004b; 2005b; 2006f; 2007a; 2008; 2009a; 2009b)
- Section 2.2 - Prison Area: SEADs 43, 44A, 44B, 52, 56, 62, 64C, and 69 (Parsons, 2007a);
- Section 2.3 - Airfield Parcel: SEADs 122b and 122E (Parsons, 2007a);
- Section 2.4 - Ash Landfill Operable Unit: SEADs 3, 6, 8, 14, and 15 (Parsons, 2005c);
- Section 2.5 - North End Institutional Area: SEAD-41 (Parsons, 2007a); and
- Section 2.6 - Other Areas: SEADs 13, 64B and 64D (Parsons, 2007a).

The LUCs in place at each SEAD will continue until the concentrations of hazardous substances in the soil and groundwater are reduced to levels that allow for unlimited use and unrestricted exposure (UU/UE). For each SEAD that was subject to LUC inspections, LUC report contains a summary of the site history, site contamination, remedial actions (if conducted), applicable LUCs, and the observations of the LUC inspection team.

2.0 ASSESSMENT OF LAND USE CONTROLS

2.1 Planned Industrial / Office Development (PID) and Warehousing Area

2.1.1 Summary of PID/Warehouse Area LUC Objectives and Restrictions

Seventeen SEADs (SEADs 1, 2, 5, 16, 17, 25, 26, 27, 39, 40, 59, 64A, 66, 67, 71, 121C, and 121I) located within the PID/Warehouse Area were subject to LUC inspection (**Figure A-2)**. Based on the planned reuse of the PID/Warehouse Area by the Seneca County Industrial Development Authority, the entirety of the PID/Warehouse Area and the SEADs within this area are subject to institutional controls in the form of two common LUC objectives (Parsons, 2004a; 2004b; 2005b; 2006f; 2007a; 2008; 2009a; 2009b):

- Prohibit the development and use of property for residential housing, elementary and secondary schools, childcare facilities and playground activities.
- Prevent access to or use of the groundwater until New York State (NYS) Class GA Groundwater Standards are met.

An additional LUC is required at SEAD-5 and SEAD-64A where unauthorized excavation is prohibited.

2.1.2 SEAD-1: Hazardous Waste Container Storage Facility (Building 307)

2.1.2.1 Site History

SEAD-1 (Building 307, the former Hazardous Waste Container Storage Facility) is located approximately 3,500 feet southwest of the Depot's main entrance off State Route 96 (**Figure A-2**). Building 307 was constructed in 1981 and was used for temporary storage of containerized hazardous wastes prior to their shipment offsite for disposal. During Building 307's active life, the ground surrounding the building was kept clear of vegetation.

Hazardous wastes stored at SEAD-1 included spent solvents; still bottoms; sludge from oil/grease separations; cleaning compounds; paper filters; waste polychlorinated biphenyls; and, spent battery acids. The storage of hazardous waste in Building 307 was subject to regulations promulgated under Resource Conservation and Recovery Act (RCRA), 42 U.S.C. §§6901-63992k (Parsons, 2009a).

2.1.2.2 History of Contamination

A review of soil sample results indicated that 66 chemicals were detected in one or more of the individual soil samples characterized at SEAD-1. Information and data presented in the ROD (Parsons, 2009a) indicated that hazardous constituents are present in the soil at SEAD-1 at levels that exceeded Federal and State guidance values and thus, may pose elevated risks to selected future populations (e.g., future residents), that could use the land. However, this site is located in areas where the planned future land use is defined as commercial and industrial, and potential future hazards or risks identified at this Area of Concern (AOC) is either suitable for the defined use, or associated with compounds that are present at concentrations that are equal to or less than naturally occurring levels.

2.1.2.3 Summary of Remedial Actions

The NYSDEC approved the RCRA Closure of the building in September of 2005, and indicated that the existing building should only be used for industrial operations in the future. However, the NYSDEC deferred comment or determination on the acceptability of the exterior soils to the CERCLA program.

2.1.2.4 Summary of Land Use Controls

- Prohibit the development and use of property for residential housing, elementary and secondary schools, childcare facilities and playground activities.
- Prevent access to or use of the groundwater until New York State (NYS) Class GA Groundwater Standards are met.

2.1.2.5 Land Use Inspection Observations

SEAD-1 was inspected on April 22, 2014 to assess whether required LUCs imposed by the approved RODs are being maintained. The site inspection confirmed that no prohibited facilities were present or had been constructed at the site and no access to, or use of, groundwater was evident. Photographs from the LUC inspection are provided in **Appendix B, Figure B-1**. The status of Building 307 and the surrounding land at the time of the inspection is visible in Photographs 1 through 4. LUC inspection checklists are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.1.3 SEAD-2: PCB Transformer Storage Facility (Building 301)

2.1.3.1 Site History

SEAD-2, Building 301, is located in the east-central portion of SEDA, roughly 6,000 feet west, southwest of the Depot's main entrance off State Route 96 (**Figure A-2**). The building is located on the eastern side of Fayette Road, which separates the PID and Warehouse Area from the former munitions igloo storage area, which occupies the inner core of the former Depot.

Building 301 was originally constructed in 1942. It was upgraded in 1986 to meet hazardous waste storage requirements required by RCRA. The exterior of Building 301 measures approximately 35 feet 4 inches long by 23 feet 4 inches wide. The structure is partially bounded on its east and west sides, and completely on its north side, by a raised concrete loading dock, and access ramp and stairway assembly. Building 301 was used as a polychlorinated biphenyl (PCB) Transformer Storage Facility beginning in 1980 and continuing until the Depot closed in 2000 (Parsons, 2009a).

2.1.3.2 History of Contamination

A review of the soil sample results for SEAD-2 indicated that 64 chemicals were detected in one or more of the individual soil samples characterized. A complete set of the analytical results obtained are provided in the ROD (Parsons, 2009a). This site is located in an area where the planned future land use is defined as commercial and industrial and potential future hazards or risks identified at this site are either suitable for the defined use or associated with compounds that are present at concentrations that are equal to or less than naturally occurring levels.

2.1.3.3 Summary of Remedial Actions

A RCRA Closure was implemented and completed for Building 301 (SEAD-2). The NYSDEC approved the RCRA Closure of the building in September of 2005, and indicated that the existing building should only be used for industrial operations in the future. However, the NYSDEC deferred comment or determination on the acceptability of the exterior soils to the CERCLA program.

2.1.3.4 Summary of Land Use Controls

- Prohibit the development and use of property for residential housing, elementary and secondary schools, childcare facilities and playground activities.
- Prevent access to or use of the groundwater until NYS Class GA Groundwater Standards are met.

2.1.3.5 Land Use Inspection Observations

SEAD-2 was inspected on April 22, 2014 to assess whether required LUCs imposed by the approved RODs are being maintained. The site inspection confirmed that no prohibited facilities were present or had been constructed at the site and no access to, or use of, groundwater was evident. Photographs from the LUC inspection are provided in **Appendix B, Figure B-2**. The status of Building 301 and the surrounding land at the time of the inspection is visible in Photographs 1 and 2. LUC inspection checklists are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.1.4 SEAD-5: Sewage Sludge Waste Piles

2.1.4.1 Site History

SEAD-5 is located in the east-central portion of SEDA, approximately 3,000 ft. west-southwest of the Depot's main entrance off State Route 96 (**Figure A-2**). SEAD-5 encompasses an area measuring approximately 150 ft. by 250 ft. in size. Between 1980 and roughly June 1992, sewage sludge from two Army wastewater treatment plants was stockpiled at this SWMU. This area was also used as a location where the Depot's Department of Public Works (DPW) type storage and staging area for heavy equipment, materials and supplies was located.

The historic sewage sludge waste piles were removed from SEAD-5, and disposed at off-site landfills, in accordance with prevailing environmental requirements. A Time-Critical Removal Action (TCRA) was performed at SEAD-5 between 2003 and 2006 to address hazardous substance contamination that remained in soil underlying and surrounding the location of the historic sludge piles.

2.1.4.2 History of Contamination

Data for SEAD-5 indicate that hazardous substances and constituents were present at levels that exceed Federal and State soil guidance values and at levels that pose potential risks to future industrial and commercial users or occupants of the land. The elevated risks were largely driven by concentrations of a single hazardous substance [benzo(a)pyrene] that were found at a few isolated, non-contiguous locations within the soil at the AOC. These elevated concentrations may be associated with asphalt pieces that have become intermixed with the soil at the AOC due to its historic use as a DPW-type storage and staging area (Parsons ES, 1995; Parsons, 2009a).

2.1.4.3 Summary of Remedial Actions

Construction activities were undertaken at SEAD-5 to construct a soil cover to inter a portion of SEAD-5 where analytical results from soil samples indicated that elevated levels of certain hazardous substances, including benzo(a)pyrene, were present at concentrations that posed potential human health risks to future industrial occupants and users of the land. The initial cover layer soil consisted of approximately 5,620 cubic yards of SEAD-59/71 stockpile soil. This soil covered approximately 1.57 acres of land. A layer of demarcation fabric was placed atop the initial layer of spread stockpile soil to delineate the lateral extent of the covered soil. The final cover layer consisted of approximately 2,400 cubic yards of off-site borrow material and 600 - 650 cubic yards of crushed concrete and gravel (Parsons, 2009a and 2010).

2.1.4.4 Summary of Land Use Controls

- Prohibit the development and use of property for residential housing, elementary and secondary schools, childcare facilities and playground activities.
- Prevent access to or use of the groundwater until NYS Class GA Groundwater Standards are met.
- Prohibit unauthorized excavation or other activities that could compromise the integrity of the engineered cover at SEAD-5.

2.1.4.5 Land Use Inspection Observations

SEAD-5 was inspected on April 22, 2014 to assess whether required LUCs imposed by the approved RODs are being maintained. The site inspection confirmed that no prohibited facilities were present or had been constructed at the site and no access to, or use of, groundwater was evident. The land cover was observed to be in good condition. Photographs from the LUC inspection are provided in **Appendix B, Figure B-3**. LUC inspection checklists are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.1.5 SEAD-16: Abandoned Deactivation Furnaces

2.1.5.1 Site History

The former Abandoned Deactivation Furnace (SEAD-16) is located in the east-central portion of SEDA (**Figure A-2**). SEAD-16 consists of 2.6 acres of fenced land with grasslands in the north, east, and west, a former storage area for empty boxes and wooden debris, and an unpaved roadway in the south. Also previously located onsite was the building that housed the deactivation furnace, a smaller abandoned building known as the Process Support Building, two sets of SEDA railroad tracks, and some utilities. Two underground storage tanks previously existed at SEAD-16 but were removed.

SEAD-16 was used for the demilitarization of various small arms munitions. The process of deactivation of munitions involved heating the munitions within a rotating steel kiln, which caused the munitions to detonate. The byproducts produced during this detonation were then swept out of the kiln through the stack. SEAD-16 has been inactive and abandoned since the 1960s.

2.1.5.2 History of Contamination

The primary contaminates of concern (COC) at SEAD-16 were arsenic, copper, lead, and zinc in surface soils and copper, lead, and zinc in surface water. Polycyclic Aromatic Hydrocarbon (PAH) compounds were detected in surface soils and sediments; and metals, PAHs, and nitroaromatics were detected in the building samples. The most impacted soils were those adjacent to the abandoned deactivation furnace. Many of these compounds were present in concentrations that exceeded their respective NYSDEC guidelines. The COC are believed to have been released to the environment during the former deactivation furnace's period of operation (approximately 1945 to the mid 1960s). Seven metals (i.e., aluminum, antimony, iron, lead, manganese, sodium, and thallium) were detected in groundwater samples at concentrations that exceeded the NYSDEC Ambient Water Quality Standards (AWQS) Class GA or Federal Maximum Contaminant Level (MCL) standards. Additional sampling of the groundwater indicated that elevated thallium concentrations may have been the result of high turbidity in the samples. PAHs, pesticides, antimony, cadmium, copper, lead, and nickel were found at elevated concentrations in all of the drainage ditches that were investigated at SEAD-16 (Parsons ES, 1999a).

2.1.5.3 Summary of Remedial Actions

The selected remedy at SEAD-16 resulted in the removal of soil and groundwater as a pathway for potential receptors. Approximately 2,100 cubic yards of impacted soil were removed and disposed of at an off-site landfill. SEAD-16 was placed under a long-term monitoring (LTM) program for groundwater monitoring until concentrations are below the GA criteria (Parsons, 2005b; 2007c). LTM began in 2007 and is currently on-going at the site (Parsons, 2014b).

2.1.5.4 Summary of Land Use Controls

- Prohibit the development and use of property for residential housing, elementary and secondary schools, childcare facilities and playground activities.
- Prevent access to or use of the groundwater until NYS Class GA Groundwater Standards are met.
- Groundwater monitoring will be conducted at SEAD-16 until concentrations are below the GA criteria.

2.1.5.5 Land Use Inspection Observations

SEAD-16 was inspected on April 23, 2014 to assess whether required LUCs imposed by the approved RODs are being maintained. The site inspection confirmed that no prohibited facilities were present or had been constructed at the site and no access to, or use of, groundwater was evident beyond that which is gained by the existing monitoring well network. Photographs from the LUC inspection are provided in **Appendix B, Figure B-4**. LUC inspection checklists are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.1.6 SEAD-17: Active Deactivation Furnaces

2.1.6.1 Site History

The former Active Deactivation Furnace (SEAD-17) is located in the east-central portion of SEDA (**Figure A-2**). SEAD-17 consisted of a deactivation furnace building that was surrounded by a crushed shale road. Beyond the perimeter of the crushed shale road was grassland. Two small sheds are located in the eastern portion of SEAD-17, and there is vehicular access to SEAD-17 from an unpaved road to the north. Access to SEAD-17 is restricted because it is located in the former ammunition storage area.

SEAD-17 was constructed to replace the operation of SEAD-16 and was also used for the demilitarization of various small arms munitions. The process of deactivation of munitions involved heating the munitions within a rotating steel kiln, which caused the munitions to detonate. The byproducts produced during this detonation were then swept out of the kiln through the stack. SEAD-17 has been inactive since 1989 because of RCRA permitting issues (Parsons, 2005b).

2.1.6.2 History of Contamination

The primary COCs at the SEAD-17 were metals (antimony, arsenic, copper, lead, mercury, and zinc) in soil. PAHs and pesticide compounds found in sediments were also of significance. All of these compounds were likely to have been released to the environment during the active deactivation furnace's period of operation (approximately 1962 to 1989). Low concentrations of SVOCs and metals were detected in groundwater. Those that exceeded their respective MCL criteria were either essential nutrients (e.g., sodium) or a result of high turbidity in the samples. No VOCs, pesticides, PCBs, or nitroaromatics were detected in the samples (Parsons ES 1999a).

2.1.6.3 Summary of Remedial Actions

The selected remedy at SEAD-17 resulted in the removal of soil and groundwater as a pathway for potential receptors. Approximately 2590 cubic yards of lead impacted soil were removed and disposed of at an off-site landfill and the excavated areas were backfilled with clean backfill. SEAD-17 was placed under a LTM program for groundwater monitoring until concentrations are below the GA criteria. LTM began in 2007 and is currently on-going (Parsons, 2014b).

2.1.6.4 Summary of Land Use Controls

- Prohibit the development and use of property for residential housing, elementary and secondary schools, childcare facilities and playground activities.
- Prevent access to or use of the groundwater until NYS Class GA Groundwater Standards are met.
- Groundwater monitoring will be conducted at SEAD-17 until concentrations are below the GA criteria.

2.1.6.5 Land Use Inspection Observations

SEAD-17 was inspected on April 23, 2014 to assess whether required LUCs imposed by the approved RODs are being maintained. The site inspection confirmed that no prohibited facilities were present or had been constructed at the site and no access to, or use of, groundwater was evident beyond that which is

gained by the existing monitoring well network. Photographs from the LUC inspection are provided in **Appendix B, Figure B-5**. LUC inspection checklists are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.1.7 SEAD-25: Fire Training and Demonstration Pad

2.1.7.1 Site History

The Fire Training and Demonstration Pad (SEAD-25) site is located in the east-central portion of SEDA (**Figure A-2**). The site is bounded to the east by Administration Avenue beyond which is undeveloped land covered by deciduous trees; to the south by Ordnance Drive beyond which is an open grassy field and a stand of coniferous trees; to the west by grassland, brush and conifers; and to the north by grassland and a baseball field.

SEAD-25 was in use from the late 1960s to the late 1980s. The pad was used for fire control training. During the 1980s, the pad was used twice for firefighting demonstrations; it was used once in 1982 or 1983 and in 1987 (Parsons, 2004b).

2.1.7.2 History of Contamination

The primary COCs at SEAD-25 were VOCs, specifically benzene, toluene, ethylbenzene, and xylene (BTEX) compounds in both soil and groundwater and lesser amounts of chlorinated ethene compounds in groundwater. The VOC contaminants were believed to have been released to the environment during fire training activities. In addition, varying concentrations of SVOCs were also detected in the soil and sediment, mainly in the drainage ditches on the periphery of the site. Less significant impacts from other contaminants were also detected at the site (Parsons ES, 1998).

2.1.7.3 Summary of Remedial Actions

Approximately 961 cubic yards of BTEX impacted soil was removed from the pad area and approximately 761 cubic yards of SVOC impacted soils were removed from a swale. The excavations were completed down to bedrock and the excavated soils were disposed of off-site. The pad excavation was backfilled and restored to the existing grade (Parsons, 2005a; 2006a). LTM is on-going at SEAD-25 and has been conducted since 2007 (Parsons, 2007b; 2014).

2.1.7.4 Summary of Land Use Controls

- Prohibit the development and use of property for residential housing, elementary and secondary schools, childcare facilities and playground activities.
- Prevent access to or use of the groundwater until NYS Class GA Groundwater Standards are met.
- Maintain the integrity of any current or future remedial or monitoring system at SEAD-25.

2.1.7.5 Land Use Inspection Observations

SEAD-25 was inspected on April 22, 2014 to assess whether required LUCs imposed by the approved RODs are being maintained. The site inspection confirmed that no prohibited facilities were present or had been constructed at the site and no access to, or use of, groundwater was evident beyond that which is gained by the existing monitoring well network. Monitoring well locks were in place and wells were in

good condition. Photographs from the LUC inspection are provided in **Appendix B, Figure B-6**. LUC inspection checklists are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.1.8 SEAD-26: Fire Training Pit and Area

2.1.8.1 Site History

The Fire Training Pit (SEAD-26) site is located in the southeastern portion of SEDA (**Figure A-2**). The site is bounded to the east and west by SEDA railroad tracks; on the south by grassland and low brush; and on the north by 7th Street. Vehicular access is provided to the site via a locking gate on 7th Street.

SEAD-26 was in use from 1977 to 1994. The pit was approximately 75 feet in diameter and approximately 3 feet deep. A bentonite liner was installed in the pit in 1982 or 1983. The pit was used one to four times a year for firefighting training during which time various flammable materials were floated on water, ignited, and extinguished. Prior to 1977, the fire training area surrounding the pit may have also been used for fire demonstrations (Parsons, 2004b).

2.1.8.2 History of Contamination

At SEAD-26, the primary contaminants detected included SVOCs and metals in the soil and sediments. In addition, low levels of volatiles were also detected in the groundwater at levels above NYSDEC GA Standards. However, the contaminants that exceeded NYSDEC GA Standards in the groundwater were no longer found in the soil of SEAD-26 due to attenuation of the contaminants in the soil (Parsons ES, 1998).

2.1.8.3 Summary of Remedial Actions

Five areas were excavated to a depth of 1 foot bgs and 828 cubic yards of soil were excavated and disposed of off-site. Confirmatory sampling indicated that the soil remaining on-site met the soil cleanup goals and no additional remediation was required (Parsons, 2005a; 2006a). LTM was conducted beginning in 2007; however, groundwater monitoring at SEAD-26 was terminated by the Army, with the approval of the EPA and the NYSDEC, after the first year of sampling and analysis indicated that no COCs were present in the groundwater at concentrations above defined cleanup goals.

2.1.8.4 Summary of Land Use Controls

- Prohibit the development and use of property for residential housing, elementary and secondary schools, childcare facilities and playground activities.
- Prevent access to or use of the groundwater until NYS Class GA Groundwater Standards are met.

2.1.8.5 Land Use Inspection Observations

SEAD-26 was inspected on April 22, 2014 to assess whether required LUCs imposed by the approved RODs are being maintained. The site inspection confirmed that no prohibited facilities were present or had been constructed at the site and no access to, or use of, groundwater was evident. Photographs from the LUC inspection are provided in **Appendix B, Figure B-7**. LUC inspection checklists are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.1.9 SEAD-27: Building 360, Steam Jenny Pit

2.1.9.1 Site History

Building 360 is located in the eastern-central portion of the Depot (**Figure A-2**). The building was used for refurbishing and reconstructing old equipment. Lathes, presses, and metal-working machines were degreased with steam, high-pressure water and detergents in the cleaning area. No solvent materials were ever used in the cleaning operation. After steam cleaning, the equipment was moved to other portions of Building 360 for rehabilitation.

The Steam Jenny Accumulation Pit (SEAD-27) is located within a high bay area of Building 360 that is located near the north end of the building and is separated from the remainder of the building by cinder block walls. The steam cleaning waste tank is a belowground, concrete tank above which track-mounted cars loaded with equipment requiring cleaning can be positioned and steam cleaned. Use of the Steam Cleaning Waste Tank began in 1976 and cleaning operations ceased on January 2, 1990. A closure investigation was performed under the RCRA program in July of 1995 and the determination was made that the accumulation pit in Building 360 satisfied the RCRA requirements for clean closure (Parsons, 2004a).

2.1.9.2 History of Contamination

No compounds of concern were detected in SEAD-27 soils. Acetone and naphthalene were detected in groundwater; however, at the time no Class GA groundwater criteria existed for these compounds. If the site were to be used as a residential area, the human health risk assessment determined that a LUC on groundwater use would be necessary.

2.1.9.3 Summary of Remedial Actions

Other than the activities related to the Closure Investigation, no remedial actions were performed at the site (International Technology Corporation, 1995; Parsons, 2004a).

2.1.9.4 Summary of Land Use Controls

- Prohibit the development and use of property for residential housing, elementary and secondary schools, childcare facilities and playground activities.
- Prevent access to or use of the groundwater until NYS Class GA Groundwater Standards are met.

2.1.9.5 Land Use Inspection Observations

SEAD-27 was inspected on April 22, 2014 to assess whether required LUCs imposed by the approved RODs are being maintained. The site inspection confirmed that no prohibited facilities were present or had been constructed at the site and no access to, or use of, groundwater was evident. Photographs from the LUC inspection are provided in **Appendix B, Figure B-8**. LUC inspection checklists are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.1.10 SEAD-39: Building 121 Boiler Blowdown Leach Pit

2.1.10.1 Site History

Building 121 is a boiler plant located in the administrative area of the former SEDA (**Figure A-2**). SEAD-39 is the historic blowdown leaching area that was located exterior to, and immediately north of, Building 121. Use of the leaching area was terminated in 1979 or 1980 when boiler blowdown points within the Depot were connected to a sanitary sewer system (Parsons, 2007a).

2.1.10.2 History of Contamination

Prior to connecting the boiler blowdown points to the sewer in 1979-1980, blowdown was reportedly released three times a day, and the discharged liquid was allowed to flow onto the ground at the blowdown point where it either infiltrated into the ground or flowed into the street. Each boiler was reported to have discharged between 400 and 800 gallons of blowdown liquids per day. The boiler blowdown was suspected to have contained water, tannins, caustic soda (sodium hydroxide), and sodium phosphate.

2.1.10.3 Summary of Remedial Actions

Thirty-four (34) tons of soil was excavated at SEAD-39 to a depth of 1-foot in August 2003. Following the excavation, eight surface soil samples were collected for chemical analysis of VOCs, PAHs, and metals. Naphthalene was the only VOC that was detected in more than one of the confirmatory soil samples, but it was never found at a concentration that exceeded NYSDEC's Technical and Administrative Guidance Memorandum (TAGM) value. Eight other VOCs were detected in the same sample, but none of the measured concentrations exceeded NYSDEC's TAGM levels. Eleven PAHs, including seven cancerous PAHs (cPAH), were also identified in one or more of the confirmatory samples. Average concentrations of metals detected at this AOC were at levels consistent with SEDA site-wide background data. Based on the confirmatory and delineation samples, it was determined that further excavation would not be necessary at SEAD-39 (Parsons, 2002b).

2.1.10.4 Summary of Land Use Controls

- Prohibit the development and use of property for residential housing, elementary and secondary schools, childcare facilities and playground activities (Parsons, 2007a).
- Prevent access to or use of the groundwater until NYS Class GA Groundwater Standards are met (Parsons, 2007a).

2.1.10.5 Land Use Inspection Observations

SEAD-39 was inspected on April 22, 2014 to assess whether required LUCs imposed by the approved RODs are being maintained. The site inspection confirmed that no prohibited facilities were present or had been constructed at the site and no access to, or use of, groundwater was evident. Photographs from the LUC inspection are provided in **Appendix B, Figure B-9**. LUC inspection checklists are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.1.11 SEAD-40: Building 319 Boiler Blowdown Leach Pit

2.1.11.1 Site History

SEAD-40 is a boiler plant located on 1st Street in the east-central portion of the Depot (**Figure A-2**). The historic blowdown leach pit that constitutes SEAD-40 was located in a drainage ditch next to the railroad tracks located north of Building 319. A drainage pipe originating in Building 319 is suspected to have carried blowdown liquids to the drainage ditch, where they were released and allowed to flow onto the ground. The drainage ditch originated at the mouth of the drainage pipe approximately 30 ft. northeast of Building 319 (Parsons, 2007a).

2.1.11.2 History of Contamination

Prior to connecting the boiler blowdown points to the sewer in 1979-1980, blowdown was reportedly released three times a day, and the discharged liquid was allowed to flow onto the ground at the blowdown point where it either infiltrated into the ground or flowed into the nearby drainage ditch. Each boiler is reported to have discharged between 400 and 800 gallons of blowdown liquids per day. The boiler blowdown is suspected to have contained water, tannins, caustic soda (sodium hydroxide), and sodium phosphate.

2.1.11.3 Summary of Remedial Actions

Approximately 39 tons of soil was removed from SEAD-40 in August 2003. The impacted soil was excavated at one section to a depth of 1 foot bgs and at another section to a depth of 6 feet bgs. Eighteen post-excavation samples were analyzed for VOCs, PAHs, and metals (Weston, 2004). Elevated levels of PAHs and non-target metals (arsenic, barium, and/or chromium) were reported. Additional confirmation and delineation samples were collected; the results of which determined that further excavation would not be necessary at SEAD-40 (Parsons, 2002b; 2007a).

2.1.11.4 Summary of Land Use Controls

- Prohibit the development and use of property for residential housing, elementary and secondary schools, childcare facilities and playground activities (Parsons, 2007a).
- Prevent access to or use of the groundwater until NYS Class GA Groundwater Standards are met (Parsons, 2007a).

2.1.11.5 Land Use Inspection Observations

SEAD-40 was inspected on April 22, 2014 to assess whether required LUCs imposed by the approved RODs are being maintained. The site inspection confirmed that no prohibited facilities were present or had been constructed at the site and no access to, or use of, groundwater was evident. Photographs from the LUC inspection are provided in **Appendix B, Figure B-10**. LUC inspection checklists are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.1.12 SEAD-59: Fill Area West of Building 135

2.1.12.1 Site History

SEAD-59 (Fill Area West of Building 135) is approximately 6.2 acres in size and encompasses an area located along both sides of an unnamed east-west dirt road that runs from the intersection of 4th Avenue, Administration Avenue, and South Street in the Depot's former Administration Area to the former location of Building 311 in SEAD-16. SEAD-59 was used for the disposal of construction debris and oily sludge. SEDA personnel have also indicated the area of SEAD-59 was used as the Army's version of a local "Department of Public Works" yard where vehicles and materials were staged, and as a result a large quantity of miscellaneous "roads and grounds" debris remains, and has become intermixed with the native soils (Parsons, 2009a).

2.1.12.2 History of Contamination

Results of test pitting operations completed during site investigation activities indicated that full and empty 15- and 55-gallon drums, one-, two- and five-gallon paint cans, 20-gallon waste cans, and chain-linked fence were found buried at the site.

2.1.12.3 Summary of Remedial Actions

A TCRA performed in 2002 included excavation and staging of impacted soils, sampling and analysis of excavated areas and stockpiled excavated soils, disposal of approximately 3,805 tons of contaminated soil (total from SEAD-59 and SEAD-71) at an approved off-site landfill, installation of groundwater monitoring wells, and backfilling and grading of open excavations with acceptable soil from the stockpiles (Parsons, 2002d; 2006d).

2.1.12.4 Summary of Land Use Controls

- Prohibit the development and use of property for residential housing, elementary and secondary schools, childcare facilities and playground activities.
- Prevent access to or use of the groundwater until NYS Class GA Groundwater Standards are met.

2.1.12.5 Land Use Inspection Observations

SEAD-59 was inspected on April 22, 2014 to assess whether required LUCs imposed by the approved RODs are being maintained. The site inspection confirmed that no prohibited facilities were present or had been constructed at the site and no access to, or use of, groundwater was evident. Photographs from the LUC inspection are provided in **Appendix B, Figure B-11**. LUC inspection checklists are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.1.13 SEAD-64A: Garbage Disposal Area

2.1.13.1 Site History

SEAD-64A is located in the east-central portion of SEDA (**Figure A-2**). The site is bounded to the north by a square storage pad, to the east by the SEDA railroad tracks beyond which is the area where the Fire Training site (SEAD-26) is located, and to the south and west by undeveloped grassland. SEAD-64A was

used during the period from 1974 to 1979 when the on-site solid waste incinerator was not in operation. The types of wastes disposed at the site are suspected to be primarily household items (Parsons, 2002a).

2.1.13.2 History of Contamination

Test pitting was conducted as part of the Expanded Site Investigation (ESI), and no evidence of metal drums or industrial waste was found (Parsons ES, 1996). Materials identified in the test pit log were inert construction debris, such as reinforced concrete slabs, asphalt pieces, and concertina wire, which are exempt from regulation under New York State Solid Waste Regulations, 6 NYCRR Section 360-7.1 (b)(i).

2.1.13.3 Summary of Remedial Actions

A field investigation was conducted at SEAD-64A beginning in February 1994 as part of the ESI for Seven Low Priority AOCs (Parsons, 1996). A geophysical survey was conducted. Twelve soil samples were collected and submitted for VOC, SVOC, pesticide, and metal analyses. Three groundwater samples were collected from SEAD-64A and were submitted for metals, pH, conductivity, temperature, and turbidity analyses.

Several cPAHs [benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene], phenol, and several metals (aluminum, arsenic, chromium, copper, lead, potassium, and zinc) were detected at levels that exceeded TAGMs in one or more soil samples. In groundwater, aluminum, iron, manganese, and thallium were detected at levels that exceeded their respective comparative criteria levels (Parsons, 2004a).

2.1.13.4 Summary of Land Use Controls

- Prohibit the development and use of property for residential housing, elementary and secondary schools, childcare facilities and playground activities.
- Prevent access to or use of the groundwater until NYS Class GA Groundwater Standards are met.
- Prevent unauthorized excavation at the SEAD-64A Controlled Property.
- No digging or excavation shall be permitted on the SEAD-64A Controlled Property without prior written approval of the Army, EPA Region II, and NYSDEC.

2.1.13.5 Land Use Inspection Observations

SEAD-64A was inspected on April 22, 2014 to assess whether required LUCs imposed by the approved RODs are being maintained. The site inspection confirmed that no prohibited facilities were present or had been constructed at the site and no access to, or use of, groundwater was evident. No unauthorized excavations were observed within SEAD-64A. Photographs from the LUC inspection are provided in **Appendix B, Figure B-12**. LUC inspection checklists are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.1.14 SEAD-66: Pesticide Storage near Building 5 and 6

2.1.14.1 Site History

Pesticides were reportedly stored in a structure located in the vicinity of Buildings 5 and 6 during the Army's active use of the SEDA. The Pesticide Storage Area near Buildings 5 and 6 is located in the east-central portion of SEDA (**Figure A-2**). The exact location of the pesticide storage area is unknown.

2.1.14.2 History of Contamination

Nine soil samples were collected from SEAD-66. Two pesticides, 4,4'-DDE and 4,4'-DDT were both detected at levels exceeding TAGMs in sample SS66-8 that was taken from a depth of 0-0.2 ft. The soil data are presented in the ROD (Parsons, 2004a). No groundwater samples were collected.

2.1.14.3 Summary of Remedial Actions

A human health risk assessment and ecological risk assessment concluded that no significant risks were associated with the site.

2.1.14.4 Summary of Land Use Controls

- Prohibit the development and use of property for residential housing, elementary and secondary schools, childcare facilities and playground activities.
- Prevent access to or use of the groundwater until NYS Class GA Groundwater Standards are met.

2.1.14.5 Land Use Inspection Observations

SEAD-66 was inspected on April 22, 2014 to assess whether required LUCs imposed by the approved RODs are being maintained. The site inspection confirmed that no prohibited facilities were present or had been constructed at the site and no access to, or use of, groundwater was evident. Photographs from the l LUC inspection are provided in **Appendix B, Figure B-13**. LUC inspection checklists are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.1.15 SEAD-67: Dumpsite East of Sewage Treatment Plant No. 4

2.1.15.1 Site History

The SEAD-67 site is located in the central eastern portion of SEDA (**Figure A-2**), immediately south of West Romulus Road and east of Sewage Treatment Plant No. 4 (SEAD-20). Five waste soil piles and two soil berms were formerly staged at the SEAD-67 site. The origin of the berms and waste piles are unknown.

2.1.15.2 History of Contamination

Samples collected as part of the ESI (Parsons, 1996) were analyzed for VOCs, SVOCs, pesticides/ PCBs, metals, and cyanide. Fifty (50) TCL/TAL compounds were detected in the soil samples, and 10 compounds, including five cPAHs and five metals, were detected at concentrations that exceeded their respective TAGM cleanup objective values. Compounds found at concentrations above TAGM values included benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, dibenz(a,h)anthracene, calcium, lead, manganese, mercury, and potassium. Surface water results indicated that the unnamed

stream near SEAD-67 has not been significantly impacted by contaminants. Available data indicated that the groundwater has not been significantly impacted by historic operations at SEAD-67 (Parsons, 2007a).

2.1.15.3 Summary of Remedial Actions

A TCRA to remove the waste soil was performed between 2002 and 2004 (Weston, 2005). The excavated soil was classified as non-hazardous metal and PAH soil for treatment and disposal. Subsequently, the TCRA expanded to include the removal of surface soil underlying and surrounding the locations of the former piles and berms. Surface soils were excavated to a depth of 12 in. At the end of the TCRA, more than 1,300 cubic yards of soil was removed from the SEAD-67 site. Due to the shallow nature of the final excavations, backfill was not used at SEAD-67; the sidewalls of the excavation were graded to smooth the contour differences between the original ground surface and the bottom of the excavation (Parsons, 2002c).

2.1.15.4 Summary of Land Use Controls

- Prohibit the development and use of property for residential housing, elementary and secondary schools, childcare facilities and playground activities (Parsons, 2007a).
- Prevent access to or use of the groundwater until NYS Class GA Groundwater Standards are met (Parsons, 2007a).

2.1.15.5 Land Use Inspection Observations

SEAD-67 was inspected on April 22, 2014 to assess whether required LUCs imposed by the approved RODs are being maintained. The site inspection confirmed that no prohibited facilities were present or had been constructed at the site and no access to, or use of, groundwater was evident. Photographs from the LUC inspection are provided in **Appendix B, Figure B-14**. LUC inspection checklists are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.1.16 SEAD-71: Alleged Paint Disposal Area

2.1.16.1 Site History

SEAD-71 (the Alleged Paint Disposal Area) is wedge shaped and is located west of 4th Avenue near Buildings 114 and 127 (**Figure A-2**). The entire AOC is approximately 2.4 acres in size and bounded on the north and south by railroad tracks serving Buildings 114 and 127.

2.1.16.2 History of Contamination

Prior to the 2001 remedial investigation (RI), rumors suggested that paints and/or solvents were disposed at SEAD-71 in burial pits (Parsons, 2001). The results of the RI test pitting operations failed to confirm the paint and oil disposal rumors, but did indicate that the area had been used for the disposal of construction debris, including sheet metal, asphalt, chain link fencing, sand and stone, piping, railroad ties, wood and cinders. No dates of disposal are available nor is there any information on the number of suspected disposal pits that may have been used.

2.1.16.3 Summary of Remedial Actions

A TCRA performed in 2002 included excavation and staging of impacted soils, sampling and analysis of excavated areas and stockpiled excavated soils, disposal of approximately 3,805 tons of contaminated soil (total from SEAD-59 and SEAD-71) at an approved off-site landfill, installation of groundwater monitoring wells, and backfilling and grading of open excavations with acceptable soil from the stockpiles (Parsons, 2002d; 2006d).

2.1.16.4 Summary of Land Use Controls

- Prohibit the development and use of property for residential housing, elementary and secondary schools, childcare facilities and playground activities.
- Prevent access to or use of the groundwater until NYS Class GA Groundwater Standards are met.

2.1.16.5 Land Use Inspection Observations

SEAD-71 was inspected on April 22, 2014 to assess whether required LUCs imposed by the approved RODs are being maintained. The site inspection confirmed that no prohibited facilities were present or had been constructed at the site and no access to, or use of, groundwater was evident. Photographs from the LUC inspection are provided in **Appendix B, Figure B-15**. LUC inspection checklists are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.1.17 SEAD-121C: Defense Reutilization and Marketing Office Yard

2.1.17.1 Site History

SEAD-121C, the Defense Reutilization and Marketing Office (DRMO) Yard, is a triangular-shaped gravel lot, approximately 8.75 acres in size, located roughly 4,000 ft. southwest of the former Depot's main entrance off State Route 96 (**Figure A-2**). The DRMO Yard was used by the Army to store scrap metal, vehicles, and other items that were no longer needed for national defense, or that did not comply with legislative and regulatory requirements. The group using the yard was responsible for property reuse (including resale), hazardous property disposal (off site, at licensed/permitted facilities), precious metals recovery and recycling program support (Parsons ES, 1999b; Parsons, 2008).

2.1.17.2 History of Contamination

Conditions present at SEAD-121C were thoroughly investigated during a multimedia RI conducted in 2002 and 2003 (Parsons, 2006e). Samples of surface and subsurface soil, groundwater, surface water, and "ditch soil" found in man-made culverts adjacent to the AOC were collected and analyzed for TCL/TAL compounds (Parsons, 2006e). The only analytes found at concentrations in excess of NYSDECs Industrial Use Soil Cleanup Objectives were two carcinogenic PAHs (benzo[a] pyrene and benzo[b] fluoranthene) and lead. Additional data pertinent to the existing environmental conditions remaining at the AOC was subsequently developed during the interim removal action that was performed at the site (Parsons, 2008f).

2.1.17.3 Summary of Remedial Actions

Lead concentrations in surface soil were the focus of the remedial action at SEAD-121C. Approximately, 776 cubic yards of lead-impacted soil was excavated and disposed of off-site as non-hazardous waste. Confirmatory sampling concluded that no further remediation was required at SEAD-121C (Parsons, 2008f).

2.1.17.4 Summary of Land Use Controls

- Prohibit the development and use of property for residential housing, elementary and secondary schools, childcare facilities and playground activities.
- Prevent access to or use of the groundwater until NYS Class GA Groundwater Standards are met.

2.1.17.5 Land Use Inspection Observations

SEAD-121C was inspected on April 22, 2014 to assess whether required LUCs imposed by the approved RODs are being maintained. The site inspection confirmed that no prohibited facilities were present or had been constructed at the site and no access to, or use of, groundwater was evident. Photographs from the LUC inspection are provided in **Appendix B, Figure B-16**. LUC inspection checklists are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.1.18 SEAD-121I: Rumored Cosmoline Oil Disposal Area

2.1.18.1 Site History

SEAD-121I, the Rumored Cosmoline Oil Disposal Area, encompasses four rectangular-shaped, open grass and dirt covered areas that are bounded by 3rd and 7th Streets (north and south ends, respectively) and Avenues C and D (west and east sides, respectively). The overall size of the AOC is approximately 16.8 acres. Approximately 1.2 acres of this area were previously used for the staging of strategic stockpiles of ferromanganese ore (Parsons, 2008).

2.1.18.2 History of Contamination

The Army indicated that the rail spur and sidings were used for delivery of equipment and machinery that was frequently packed in Cosmoline (oil). Cosmoline oil is a commonly used substance that prevents corrosion on metal parts and components. During delivery and unpacking of the equipment and machinery, oil from the packing may have been deposited on the ground. The U.S. Government historically staged strategic stockpiles of ferromanganese ore in portions of SEAD-121I, and these stockpiles were present during the EBS and RI sampling events and into the early part of 2007.

2.1.18.3 Summary of Remedial Actions

Samples of surface and subsurface soil, surface water and "ditch soil" found in man-made culverts adjacent to the AOC were collected and analyzed for TCL/TAL compounds. No final COCs were identified for any medium at SEAD-121I. The human health risk assessment concluded that no further action is required at SEAD-121I due to the possible presence of trace metals, including manganese in the soil. Soil, ditch soil, and surface water at SEAD-121I are not expected to significantly impact ecological

receptors and no further action is warranted at SEAD-121I based on the ecological risk assessment (Parsons, 2008).

2.1.18.4 Summary of Land Use Controls

- Prohibit the development and use of property for residential housing, elementary and secondary schools, childcare facilities and playground activities.
- Prevent access to or use of the groundwater until NYS Class GA Groundwater Standards are met.

2.1.18.5 Land Use Inspection Observations

SEAD-121I was inspected on April 22, 2014 to assess whether required LUCs imposed by the approved RODs are being maintained. The site inspection confirmed that no prohibited facilities were present or had been constructed at the site and no access to, or use of, groundwater was evident. Photographs from the LUC inspection are provided in **Appendix B, Figure B-17**. LUC inspection checklists are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.2 Prison Area

2.2.1 Summary of Prison Area LUC Objectives and Restrictions

The "Prison Area" consists of eight SWMU **(Figure A-2)** that were transferred under a public benefit conveyance that conveyed the land in the southeastern part of the former Depot to the people of the State of New York for the construction of the Five Points Correctional Facility. It included language that requires that the "property shall be used and maintained for a correction facility in perpetuity" and that "the property shall not be sold, leased, mortgaged, assigned or otherwise disposed of" without the prior consent of the United States Government. In the event that any condition of the deed is breached "as to all or any portion or portions of the described property by New York or its successors or assigns," the "title and interest to such portion or portions of the property, in its existing condition, including all improvements thereon, shall revert to, and become property of the Government at the option of and upon demand made in writing by the General Services Administration, or its successor in function."

Provisions of the deed apply to the following SWMUs, which were transferred prior to a ROD being prepared and which currently are located within the bounds of the State of New York's Five Points Correctional Facility Parcel:

- SEAD-43: Building 606 – Old Missile Propellant Test Laboratory
- SEAD-44A: Quality Assurance Test Laboratory
- SEAD-44B: Quality Assurance Test Laboratory
- SEAD-52: Buildings 608 and 612 – Ammunition Breakdown Area
- SEAD-56: Building 606 – Herbicide and Pesticide Storage
- SEAD-62: Nicotine Sulfate Disposal Area near Buildings 606 and 612
- SEAD-64C: Garbage Disposal Area

- SEAD-69: Building 606 – Disposal Area

Hazardous substances may be present at one or more of the listed historic SWMUs at concentrations that do not allow for UU/UE. However, based on the results of previous investigations, risk assessments, and/or removal actions, these AOCs do not pose or represent a risk or threat to human health and the environment, given consideration of the area's continuing restricted use as a state maximum security correctional facility. Pursuant to the terms of the deed, the prison use restriction remains in effect for these AOCs in perpetuity, or the property legally reverts to the United States (Parsons, 2007a). The Prison Area LUCs include:

- The continued restricted use of the property as a state maximum security correctional facility (Parsons, 2007a).

2.2.2 SEAD-43: Building 606 Old Missile Propellant Test Laboratory, SEAD-56: Building 606 Herbicide and Pesticide Storage and SEAD-69: Building 606 Disposal Area

2.2.2.1 Site History

SEADs 43, 56, and 69 are located in the southeastern corner of the Depot on property that currently is associated with the New York State Department of Correctional Services' Five Points Correctional Facility (**Figure A-2**). These areas are discussed as one AOC because SEAD-43 and SEAD-56 both represent historic uses of Building 606; SEAD-69 is a disposal area situated close to Building 606, which was previously suspected of receiving wastes from the two other SWMUs.

In the 1960s, Building 606 was used as a missile propellant test laboratory; this use is designated as SEAD-43, the Old Missile Propellant Test Laboratory, which was used for quality assurance (QA) surveillance testing of military ordnance items. After 1976, Building 606 was used as a pesticide and herbicide storage and mixing facility; this historic use is designated as SEAD-56, Herbicide/Pesticide Storage. In 1989, the pesticide/herbicide storage area was upgraded when a new rinseate building was constructed to the east of Building 606, and the historic underground rinseate storage tank was replaced with a new vaulted tank that complied with the then-prevailing environmental regulations. SEAD-69 is a disposal area in an open field that is located southeast of Building 606 (Parsons, 2007a).

2.2.2.2 History of Contamination

Operations performed in SEAD-43 included the operation or functional testing of explosive devices. Inhibited Red-Fuming Nitric Acid was used in, and stored at and near Building 606 prior to its disposal at SEAD-13. As SEAD-56, Herbicide/Pesticide Storage, storage of pesticides and herbicides occurred at a now-demolished building formerly located west of Building 606. A historic concrete underground tank was also used for the intermittent storage of wastewater generated during the rinsing of the portable truck-mounted tank that was used for mobile spraying operations at the Depot. It is suspected that waste from the Inhibited Red-Fuming Nitric Acid (IRFNA) storage and pesticide/herbicide mixing was disposed at SEAD-69. SEAD-69 measures approximately 100 ft. by 100 ft. in size, and contained various types of construction debris, including bricks and concrete blocks, visible at the surface.

2.2.2.3 Summary of Remedial Actions

Human health and ecological risk assessments were completed and no COCs were identified. No remedial actions were undertaken (Parsons, 2007a).

2.2.2.4 Summary of Land Use Controls

Land use controls include the continued restricted use of the property as a state maximum security correctional facility (Parsons, 2007a).

2.2.2.5 Land Use Inspection Observations

SEADs 43, 56, and 69 were inspected on April 22, 2014 to assess whether required LUCs imposed by the approved RODs are being maintained. The site inspection confirmed that no prohibited facilities were present or had been constructed at the site and the use of the property remains as a correctional facility. Photographs were not permitted to be taken for these AOCs since they are located within the Prison Area of the Correctional Facility. An aerial view of the AOCs within the Prison Area is provided in **Appendix B, Figure B-18**. LUC inspection checklists are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.2.3 SEAD-44A: Quality Assurance Test Laboratory

2.2.3.1 Site History

SEAD-44A is located in the southeastern portion of the Depot, approximately 1,000 ft. east of Brady Road and 1,500 ft. north of South Patrol Road on property that is currently associated with the New York State Department of Correctional Services' Five Points Correctional Facility (**Figure A-2**). Building 416 was located at the AOC and a number of earthen berms that ran parallel to an unnamed dirt road at the AOC were present. The earthen berms were historically used for QA testing of ordnance items, including various pyrotechnics, firing devices, and 40-millimeter practice and chemical smoke grenades. The above-ground testing of landmines also reportedly occurred in SEAD-44A in a separate bermed area.

2.2.3.2 History of Contamination

During the period of its use, it is suspected that the area contained high levels of metals, cyanide, and other contaminants associated with ordnance testing. A drainage swale runs east to west along the middle of the AOC; this feature drains surface water runoff to the west towards Silver Creek.

2.2.3.3 Summary of Remedial Actions

Human health and ecological risk assessments were completed and no COCs were identified. No remedial actions were undertaken (Parsons, 2007a).

2.2.3.4 Summary of Land Use Controls

Land use controls include the continued restricted use of the property as a state maximum security correctional facility (Parsons, 2007a).

2.2.3.5 Land Use Inspection Observations

SEAD-44A was inspected on April 22, 2014 to assess whether required LUCs imposed by the approved RODs are being maintained. The site inspection confirmed that no prohibited facilities were present or had been constructed at the site and the use of the property remains as a correctional facility. Photographs were not permitted to be taken for the AOC within the Prison Area of the Correctional Facility. An aerial view of the AOCs within the Prison Area is provided in **Appendix B, Figure B-18**. LUC inspection checklists are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.2.4 SEAD-44B: Quality Assurance Test Laboratory

2.2.4.1 Site History

SEAD-44B runs along the west side of Brady Road and occupies an area that is approximately 350 ft. by 200 ft. on property that is currently associated with the New York State Department of Correctional Services' Five Points Correctional Facility (**Figure A-2**). Two buildings were originally associated with SEAD-44B. The buildings were part of a QA test area for pyrotechnics, chemical smoke grenades, and other fire devices.

2.2.4.2 History of Contamination

When it was designated as a SWMU in the Federal Facilities Agreement (FFA), the Army indicated that the site might contain high levels of metals and possible unexploded ordnance (UXO) debris. Subsequent inspections of the AOC by the Army as part of the DoDs BRAC Ordnance and Explosives Archive Search Report indicate that ordnance was not found at SEAD-44B or in the vicinity of the two berms that were observed near the buildings (Parsons, 2007a).

2.2.4.3 Summary of Remedial Actions

A human health risk assessment was completed and no COCs were identified. No remedial actions were undertaken (Parsons, 2007a).

2.2.4.4 Summary of Land Use Controls

Land use controls include the continued restricted use of the property as a state maximum security correctional facility (Parsons, 2007a).

2.2.4.5 Land Use Inspection Observations

SEAD-44B was inspected on April 22, 2014 to assess whether required LUCs imposed by the approved RODs are being maintained. The site inspection confirmed that no prohibited facilities were present or had been constructed at the site and the use of the property remains as a correctional facility. Photographs were not permitted to be taken of this AOC since it is within the Prison Area of the Correctional Facility. An aerial view of the AOCs with the Prison Area is provided in **Appendix B, Figure B-18**. LUC inspection checklists are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.2.5 SEAD-52: Building 608 and 612 Ammunition Breakdown Area

2.2.5.1 Site History

SEAD-52 is located in the southeastern portion of SEDA on land currently occupied by the Five Points Correctional Facility (**Figure A-2**). The area is characterized by developed and undeveloped land.

SEAD-52 was active from the mid-1950s to the late 1990s. The area consists of four buildings: Buildings 608, 610, 611, and 612. Building 608 was previously used for the storage of ammunition magazines; Building 610 was used for ammunition powder collection; Building 611 was used for storage of equipment, paints, and solvents; and Building 612 was used for the breakdown and maintenance of ammunition. None of these buildings currently are active or used for storage of materials.

2.2.5.2 History of Contamination

A Limited Sampling Plan was performed in 1993 to evaluate the presence of explosives in the soil at SEAD-52 (Parsons, 2007a). The results of the investigation indicated that three explosive compounds were detected in one or more of the collected soil samples.

2.2.5.3 Summary of Remedial Actions

Human health and ecological risk assessments were completed and no COCs were identified. No remedial actions were undertaken (Parsons, 2007a).

2.2.5.4 Summary of Land Use Controls

Land use controls include the continued restricted use of the property as a state maximum security correctional facility (Parsons, 2007a).

2.2.5.5 Land Use Inspection Observations

SEAD-52 was inspected on April 22, 2014 to assess whether required LUCs imposed by the approved RODs are being maintained. The site inspection confirmed that no prohibited facilities were present or had been constructed at the site and the use of the property remains as a correctional facility. Photographs were not permitted to be taken of this AOC since it is within the Prison Area of the Correctional Facility. An aerial view of the AOCs with the Prison Area is provided in **Appendix B, Figure B-18**. LUC inspection checklists are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.2.6 SEAD-62: Nicotine Sulfate Disposal Area near Building 606 and 612

2.2.6.1 Site History

The Nicotine Sulfate Disposal Area (SEAD-62) is located in the southeastern portion of SEDA (**Figure A-2**). It measures approximately one-half mile by one-quarter mile in size and is characterized by mostly undeveloped land with the exception of bunkers and buildings along the western perimeter.

2.2.6.2 History of Contamination

Colloquial evidence suggests that two drums containing nicotine sulfate were disposed of in the area surrounding Buildings 606 and 612 (Parsons, 2002a).

2.2.6.3 Summary of Remedial Actions

Human health and ecological risk assessments were completed and no COCs were identified. No remedial actions were undertaken (Parsons, 2007a).

2.2.6.4 Summary of Land Use Controls

Land use controls include the continued restricted use of the property as a state maximum security correctional facility (Parsons, 2007a).

2.2.6.5 Land Use Inspection Observations

SEAD-62 was inspected on April 22, 2014 to assess whether required LUCs imposed by the approved RODs are being maintained. The site inspection confirmed that no prohibited facilities were present or had been constructed at the site and the use of the property remains as a correctional facility. Photographs were not permitted to be taken for the AOCs since it is within the Prison Area of the Correctional Facility. An aerial view of the AOCs with the Prison Area is provided in **Appendix B, Figure B-18**. LUC inspection checklists are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.2.7 SEAD-64C: Garbage Disposal Area

2.2.7.1 Site History

The location of the rumored SEAD-64C Garbage Disposal Area at SEAD-64C is near the intersection of East Patrol Road and South Patrol Road in the southeastern corner of SEDA (**Figure A-2**). This former SWMU is located within the bounds of the New York State Department of Correctional Service's Five Points Correctional Facility.

2.2.7.2 History of Contamination

SEAD-64C is the location of a proposed SEAD landfill. An Army Pollution Abatement report concluded that the proposed site could be used for a sanitary landfill; however, no available information indicates that a formal landfill was established on-site. Information presented in the SMWU classification report suggests limited dumping may have occurred at the site and that transmission power lines may be buried throughout the site; however, the Army notified the NYSDEC that the area designated at SEAD-64C was misidentified as a historic landfill site and no waste was ever identified during the Army's investigations (Parsons, 2002a; 2007a)

2.2.7.3 Summary of Remedial Actions

Human health and ecological risk assessments were completed and no COCs were identified. No remedial actions were undertaken (Parsons, 2007a).

2.2.7.4 Summary of Land Use Controls

Land use controls include the continued restricted use of the property as a state maximum security correctional facility (Parsons, 2007a).

2.2.7.5 Land Use Inspection Observations

SEAD-64C was inspected on April 22, 2014 to assess whether required LUCs imposed by the approved RODs are being maintained. The site inspection confirmed that no prohibited facilities were present or had been constructed at the site and the use of the property remains as a correctional facility. Photographs were not permitted to be taken for the AOC since it is within the Prison Area of the Correctional Facility. An aerial view of the AOCs with the Prison Area is provided in **Appendix B, Figure B-18**. LUC inspection checklists are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.3 Airfield Parcel

2.3.1 Summary of the Airfield Parcel LUC Objectives and Restrictions

Two SEADs within the Airfield Parcel were inspected for LUC compliance (**Figure A-2**). SEAD-122B: Small Arms Range, Airfield Parcel and SEAD-122E: Plane Deicing Area. A residential activities land use control was instituted on both SEADs as follows:

- The development and use of property for residential housing, elementary or secondary schools, child care facilities, and playgrounds will be prohibited.

The proposed residential activities LUC will be implemented over the entire Airfield Parcel, which extends beyond the bounds of SEAD-122B and SEAD-122E. This LUC will be applied to all areas within the former Airfield, and will continue until such time as the concentrations of hazardous substances are reduced to levels that allow for UU/UE. Future owners or users of land within the Airfield may request a waiver from the LUC on a location-by-location basis. At the time of the waiver request, the applicant must develop and submit sufficient data and information, subject to review and approval by the Army and the USEPA, to substantiate its request that the identified location is suitable for UU/UE. The boundary of the Airfield Area is defined as the boundary of the Airfield Special Events, Institutional, and Training area (**Figure A-2**).

2.3.2 SEAD-122B: Small Arms Range, Airfield Parcel

2.3.2.1 Site History

SEAD-122B – Small Arms Range (SAR) located on the Airfield Parcel along Route 96A was previously used by the Air Force, Navy, and Army as a small arms qualification ground. The Airfield SAR is located in the southwest corner of SEDA adjacent to the SEDA Airfield (**Figure A-2**). The SAR consists of two contiguous bermed small arms ranges: one previously used for small arms training, and the second previously used for machine gun targeting (Parsons, 2007a).

2.3.2.2 History of Contamination

TAL metals analysis indicated lead concentrations well above the soil cleanup objective (SCO). In addition, antimony, arsenic, copper, silver, sodium, thallium, and zinc were detected at concentrations slightly over the SCOs. One Toxicity Characteristic Leaching Procedure (TCLP) lead concentration was above the RCRA limit of 5,000 ug/L. The Synthetic Precipitation Leaching Procedure (SPLP) metals results indicated that there were levels of antimony, iron, and thallium above the NYSDEC Class GA

standards. The maximum detected concentrations of iron and thallium were consistent with SEDA background levels. Groundwater was found to not be impacted by contact with or contaminant migration from the SAR soil (Parsons, 2004d).

2.3.2.3 Summary of Remedial Actions

In 2004, a treatability study was conducted, and approximately 500 cubic yards of soil was excavated from locations where high concentrations of total lead were found during the 2002 investigation in the larger of the two SARs. Other metals detected at levels above their respective NYSDEC cleanup objective levels were collocated within the areas where high lead concentrations were found. Elevated lead concentrations included any value above 400 ppm. The excavation area was delineated by lead concentrations greater than 400 ppm and included the western face of the backstop berm and a drainage swale that carried surface water runoff away from the firing range area. The top three inches of soil on the surface of the firing range's floor was also excavated. The final results reported confirm that all excavated locations exhibited lead concentrations at levels less than 400 ppm.

A risk assessment was not performed for SEAD-122B, where the results of the treatability study indicated that the cleanup objectives established for the treatability study had been achieved and all lead concentrations remaining at the AOC were below the USEPA's guidance value for residential soils.

2.3.2.4 Summary of Land Use Controls

Land use controls include a restriction on the development and use of property for residential housing, elementary or secondary schools, child care facilities, and playgrounds (Parsons, 2007a).

2.3.2.5 Land Use Inspection Observations

SEAD-122B was inspected on April 22, 2014 to assess whether required LUCs imposed by the approved RODs are being maintained. The site inspection confirmed that no prohibited facilities were present or had been constructed at the site. Photographs from the LUC inspection are provided in **Appendix B - Figure B-19**. LUC inspection checklists are provided in A**ppendix C**. The selected remedy is still protective of public health and the environment.

2.3.3 SEAD-122E: Plane Deicing Area

2.3.3.1 Site History

SEAD-122E is associated with the deicing of planes at three separate aircraft refueling areas at the former SEDA Airfield (**Figure A-2**). The property where the airfield currently sits was once part of the Sampson Naval Training Station which was open from 1942 to 1946, and which was used for basic training of naval personnel. All three of the historic deicing/refueling pads that comprise SEAD-122E are located along the western side of the northwest-southeast runway. Two of the deicing/refueling pads are located near either end of the runway, while the third is located at the end of a short taxiway, west of the central portion of the runway (Parsons, 2007a).

2.3.3.2 History of Contamination

An Environmental Baseline Survey (1998/1999) was conducted to determine if soil or groundwater on the perimeter of three pads were impacted by the deicing fluids used on the planes. The constituents of

concern are SVOCs and principal components of deicing fluids (alcohols/glycols, i.e., ethylene glycol, propylene glycol, total unknown alkanes) in soil and groundwater (Parsons ES, 1999b).

Twenty SVOCs, comprised mainly of PAHs and phthalates, were found in the six soil samples collected from the three soil borings. No deicing chemicals (e.g., glycols) were detected in any of the six soil samples characterized during this event. Five contaminants were found in the four groundwater samples collected. None of the compounds detected in the four groundwater samples exceeded groundwater standards.

2.3.3.3 Summary of Remedial Actions

In response to a request by EPA, the Army presented the results of a risk assessment in a memo submitted in March 2005. The cancer and non-cancer risks for all future potential receptors (industrial worker, construction worker, day care center – worker, and day care center – child) and exposure routes (inhalation of dust in air, ingestion of soil or groundwater, or dermal contact to soil) for SEAD-122E were evaluated. An unacceptable cancer risk was found due to dermal contact to soil and ingestion of soil. The contributing COCs are carcinogenic PAHs in soils.

2.3.3.4 Summary of Land Use Controls

Land use controls include a restriction on the development and use of property for residential housing, elementary or secondary schools, child care facilities, and playgrounds (Parsons, 2007a).

2.3.3.5 Land Use Inspection Observations

SEAD-122E was inspected on April 22, 2014 to assess whether required LUCs imposed by the approved RODs are being maintained. The site inspection confirmed that no prohibited facilities were present or had been constructed at the site. Photographs from the LUC inspection are provided in **Appendix B, Figure B-20**. LUC inspection checklists are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.4 Ash Landfill Operable Unit

2.4.1 Summary of the Ash Landfill Operable Unit LUC Objectives and Restrictions

Five SEADs (SEADs 3, 6, 8, 14, and 15) are located within the Ash Landfill Operable Unit and are subject to institutional controls including LUCs (**Figure A-2**). The LUC performance objectives include:

- Preventing access to or use of groundwater until cleanup levels are met.
- Maintaining the integrity of any current or future remedial or monitoring system such as monitoring wells and permeable reactive barriers;
- Prohibiting excavation of the soil or construction of inhabitable structures (temporary or permanent) above the area of the existing groundwater plume.
- Maintain the vegetative soil layer over the ash fill areas and the Non-Combustible Fill Landfill (NCFL) to limit ecological contact (Parsons, 2005c).

2.4.2 SEADs 3/6/8/14/15: Ash Landfill

2.4.2.1 Site History

The Ash Landfill site is located along the western boundary of SEDA (**Figure A-2)**. The site is bounded on the north by Cemetery Road, on the east by a SEDA railroad line, on the south by open grassland and brush, and on the west by the Depot's boundary. The Ash Landfill site was initially estimated to encompass an area of approximately 130 acres. This larger area was investigated to ensure that no previously unknown waste disposal areas were overlooked. Following the remedial investigation, the area of the Ash Landfill site was refocused to an area of approximately 23 acres. This area is comprised of five SWMUs including: Incinerator Cooling Water Pond (SEAD-3), the Ash Landfill (SEAD-6), the Non-Combustible Fill Landfill (NCFL) (SEAD-8), the Refuse Burning Pits (SEAD-14), and the Abandoned Solid Waste Incinerator Building (SEAD-15) (**Figure A-2**). The Debris Piles are located near SEAD-14. The Ash Landfill (SEAD-6) also includes a groundwater plume that emanates from the northern western side of the landfill area (Parsons, 2005c).

2.4.2.2 History of Contamination

From 1941 to 1974, household trash and depot refuse was burned in a series of Refuse Burning Pits near the Abandoned Incinerator Building (Building 2207). During approximately this same period (1941 until the late 1950s or early 1960s) the ash from the Refuse Burning Pits was buried in the Ash Landfill. The Incinerator Building was built in 1974. Between 1974 and 1979, materials intended for disposal were transported to the incinerator. The source for the refuse was domestic waste from Depot activities and family housing. Large items that could not be burned were disposed of at the NCFL. The NCFL is located southeast of the Incinerator Building (immediately south of the SEDA railroad line). The NCFL was used as a disposal site for non-combustible materials, including construction debris, from 1969 until 1977. Ash and other residues from the incinerator were temporarily disposed of in the Incinerator Cooling Water Pond immediately north of the Incinerator Building. Approximately every 18 months, when the pond filled, the fly ash and residues were removed, transported, and buried in the adjacent Ash Landfill, east of the Cooling Pond. A fire destroyed the incinerator in May 1979, and the landfill was subsequently closed. A vegetative cover, comprised of native soils and grasses, was observed over the Ash Landfill during the 1994 RI (Parsons ES, 1994b; 1994c).

2.4.2.3 Summary of Remedial Actions

Prior to the listing of SEDA on the National Priorities List (NPL), two removal actions were performed at the Ash Landfill. The first action was the removal of a former 1000-gallon underground storage tank (UST) that was used to store heating oil and was located on the east side of the abandoned Incinerator Building. The second, a NTCRA, was conducted by the Army in 1994/1995 and consisted of the excavation and thermal treatment of soil impacted with VOCs (Parsons, 2005c).

As part of a demonstration study, a 650-foot long permeable reactive iron wall (zero valent iron [ZVI]) was installed near the western property line of the Ash Landfill AOC (ETI, 2001). In accordance with the 2005 ROD, remedial actions completed in 2006 included the installation of three dual biowall systems, construction of a 12-inch vegetative cover over the Ash Landfill and NCFL, the excavation and disposal

of Debris Piles A, B, C, and the re-grading of the Incinerator Cooling Water Pond. The Ash Landfill currently is the subject of groundwater LTM (Parsons, 2006b; 2006c).

2.4.2.4 Summary of Land Use Controls

The LUC performance objectives for SEADs 3/6/8/14/15 are to:

- Prevent access to or use of the groundwater until cleanup levels are met;
- Maintain the integrity of any current or future remedial or monitoring system such as monitoring wells and impermeable reactive barriers;
- Prohibit excavation of the soil or construction of inhabitable structures (temporary or permanent) above the area of the existing groundwater plume; and
- Maintain the vegetative soil layer over the ash fill areas and the NCFL to limit ecological contact (Parsons, 2005c).

2.4.2.5 Land Use Inspection Observations

SEADs 3/6/8/14/15 at the Ash Landfill Operable Unit were inspected on April 22, 2014 to assess whether required LUCs imposed by the approved RODs are being maintained. The site inspection confirmed that no prohibited facilities were present and no access to, or use of, groundwater was evident beyond that which is gained by the existing monitoring well network. The monitoring wells were determined to be intact and in good condition (**Appendix B, Figure B-21**, Photo 1). The fill area covers were maintained (**Appendix B, Figure B-21**, Photos 3 & 4). Additional photographs from the LUC inspection are provided in **Appendix B, Figure B-21**. LUC inspection checklists are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.5 North End Institutional Area

2.5.1 Summary of the North End Institutional Area LUC Objectives and Restrictions

One SEAD (SEAD-41) was inspected within the North End Institutional Area for LUC compliance. Historical groundwater data led the Army to impose a restriction on groundwater use for SEAD-41 and all of the properties within the North End Institutional Area as follows:

- Prohibit access to or use of groundwater at SEAD 41 until concentrations of hazardous substances contained are reduced to levels that allow UU.

2.5.2 SEAD-41: Building 718 Boiler Blowdown Leaching Pit

2.5.2.1 Site History

SEAD-41 is the blowdown leaching area suspected to have existed in the drainage ditch located approximately 40 ft. west of Building 718, an abandoned boiler plant located in the northern end of the Depot, on property currently occupied by the Hillside Children's Center (**Figure A-2**).

2.5.2.2 History of Contamination

Prior to connecting the boiler blowdown points to the sewer in 1979-1980, blowdown was reportedly released three times a day, and the discharged liquid was allowed to flow onto the ground at the

blowdown point where it either infiltrated into the ground or flowed into the nearby drainage ditch. Each boiler is reported to have discharged between 400 and 800 gallons of blowdown liquids per day. The boiler blowdown is suspected to have contained water, tannins, caustic soda (sodium hydroxide), and sodium phosphate (Parsons, 2007a).

2.5.2.3 Summary of Remedial Actions

During the limited sampling program (1993/1994), petroleum hydrocarbons were detected in all of the soil samples collected from SEAD-41. The surface samples collected nearest the point where the blowdown liquids were suspected of being discharged contained the greatest concentration of petroleum hydrocarbons. The sampling program delineated the extent of petroleum-impacted soil to an area approximately 40 ft. long by 3 ft. wide. In 2000, a TCRA was conducted at SEAD-41, and approximately 5 cubic yards of petroleum contaminated soils were removed.

2.5.2.4 Summary of Land Use Controls

A deed was used to document the transfer of land at the north end of the former Depot currently used for the Hillside Children's Center (i.e., former "North End Barracks" Area) to the Seneca County Industrial Development Agency (SCIDA). In the deed, the Army notified SCIDA that groundwater contamination had been identified in the vicinity of the former Building 718. The Army applied the deed notification, based on the water quality from sampling, to all properties located within the North End Institutional Area. A public water supply services the entire area. This includes the area of the former SEAD-41, Building 718 Boiler Blowdown Pit (Parsons, 2007a).

It is recommended that the LUC (stated below) documented in the existing deed for the "North End Barracks" parcel be continued until the concentrations of hazardous substances in groundwater have been reduced to levels that allow for UU (Parsons, 2007a).

- Prohibit access to or use of groundwater at SEAD 41 until concentrations of hazardous substances contained are reduced to levels that allow UU.

2.5.2.5 Land Use Inspection Observations

SEAD-41 was inspected on April 22, 2014 to assess whether required LUCs imposed by the approved RODs are being maintained. The site inspection confirmed that no prohibited facilities were present or had been constructed at the site and no access to, or use of, groundwater was evident. Photographs from the LUC inspection are provided in **Appendix B, Figure B-22**. LUC inspection checklists are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.6 Other Areas

2.6.1 Summary of the LUC Objectives and Restrictions of SEADs in Other Areas

Three SEADs (SEAD 13, 64B, and 64D) were inspected within the SEDA former ammunition storage area. A summary of the LUCs implemented at these three areas of concern are as follows:

- Prevent access to or use of the groundwater until New York State (NYS) Class GA Groundwater Standards are met (SEAD-13 and SEAD-64D).

- Restriction on unauthorized excavation or digging within SEAD-64B and SEAD-64D (Parsons, 2007a).

2.6.2 SEAD-13: Inhibited Red Fuming Nitric Acid (IRFNA) Disposal Site

2.6.2.1 Site History

SEAD-13 is located in the northeast portion of the former Depot and includes two historic disposal areas, SEAD-13-East and SEAD-13-West, which are located on the eastern and western sides of the Duck Pond's southern end, respectively (**Figure A-2**). Historically, SEAD-13 was used during the early 1960s to dispose of quantities of unserviceable IRFNA, an oxidizer used in missile liquid propellant systems.

2.6.2.2 History of Contamination

During the operation of the IRFNA Disposal Site, the pits were utilized as a neutralization area for IRFNA. Barrels of unserviceable IRFNA were brought to the site from other locations within the Depot, and were temporarily staged on pallets near the disposal pits. Each barrel of unserviceable IRFNA was emptied through a water pressure powered stainless steel ejector that was fitted onto one barrel at a time while water was flowing through the ejector. The IRFNA mixed with water in the ejector and the mixture was then discharged to the disposal pit through a long polyethylene hose that discharged beneath the surface of the water in the pit being used. The disposed IRFNA/water solution mixed with the limestone in the pit to facilitate the neutralization of the acid. Ten barrels were typically discharged into each pit during one day of operation.

2.6.2.3 Summary of Remedial Actions

No action was performed at SEAD-13. The human health risk assessment found that if the groundwater pathway was eliminated, the cancer risk values for current and future receptors were at acceptable limits. An ecological risk assessment was completed and no COCs were identified (Parsons, 2004c).

2.6.2.4 Summary of Land Use Controls

A groundwater use/access restriction is in place at the following site: SEAD-13: Inhibited Red-Fuming Nitric Acid (IRFNA) Disposal Site. The groundwater use/access restriction is intended to eliminate human contact with groundwater, thereby reducing risk to acceptable levels for potential human receptors (Parsons, 2007a).

Therefore, a LUC was implemented over the geographic area of SEAD-13 which prohibits access to or use of the groundwater. This restriction will remain in effect until the concentrations of hazardous substances in groundwater beneath the AOC have been reduced to levels that allow for UU/UE. Once groundwater cleanup standards are achieved, the groundwater use/access restriction may be eliminated, with USEPA approval (Parsons, 2007a).

2.6.2.5 Land Use Inspection Observations

SEAD-13 was inspected on April 22, 2014 to assess whether required LUCs imposed by the approved RODs are being maintained. The site inspection confirmed that no prohibited facilities were present or had been constructed at the site and no access to, or use of, groundwater was evident. Photographs from

the LUC inspection are provided in **Appendix B, Figure B-23**. LUC inspection checklists are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.6.3 SEAD-64B: Garbage Disposal Area

2.6.3.1 Site History

The Garbage Disposal Area at SEAD-64B is located immediately north of Ovid Road near Building 2086 in the southern end of SEDA (**Figure A-2**). SEAD-64B was used for garbage disposal from 1974 to 1979, which corresponds to a period when the Depot's solid waste incinerator was not in operation. It appears that one or two truckloads of household waste were disposed at SEAD-64B based on the size of the fill area and amount of debris observed.

2.6.3.2 History of Contamination

SEAD-64B is a historic t landfill that is subject to regulation under the State of New York's Solid Waste Management Regulations (see 6 NYCRR Part 360). The Army ceased use of this unit in the late 1970s. As a historic solid waste landfill, the site was subject to final closure in accordance with requirements of 6 NYCRR Part 360 in effect as of August 28, 1977.

Once solid waste disposal ceased at SEAD-64B in the late 1970s, the Army applied a permanent soil cover over the disposed waste and allowed the area to revegetate naturally. The former landfill continues to be covered and has an established vegetative covering. The Army requested formal closure of this historic landfill from the NYSDEC in letters dated May 24, 2005 and August 14, 2006. In a letter dated September 11, 2006, the NYSDEC agreed that SEAD-64B is closed under the New York Solid Waste Regulations.

2.6.3.3 Summary of Remedial Actions

No action subsequent to the installation of the landfill cap has been performed at SEAD-64B. Human health and ecological risk assessments were completed and no COCs were identified.

2.6.3.4 Summary of Land Use Controls

A LUC is in place at SEAD-64B that prohibits unauthorized digging and excavations within the bounds of the SWMU. SEAD-64B is a former solid waste disposal area that was closed by the Army prior to 1979. As a historic solid waste landfill, this SWMU is subject to requirements of the New York State's Solid Waste Regulations (6 NYCRR Part 360) in effect at the date of closure. Under New York's Solid Waste Regulations effective in 1979, a soil and vegetative cover was required to be placed on and maintained above the closed landfill. The LUC prohibits digging within the bounds of the former solid waste site. The LUC will continue at the AOC until solid wastes are removed, and concentrations of hazardous substances allow for UU/UE (Parsons, 2007a).

2.6.3.5 Land Use Inspection Observations

SEAD-64B was inspected on April 22, 2014 to assess whether required LUCs imposed by the approved RODs are being maintained. The site inspection confirmed that no prohibited facilities were present or had been constructed at the site and no unauthorized excavations or digging were evident. Photographs

from the LUC inspection are provided in **Appendix B, Table B-24**. LUC inspection checklists are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

2.6.4 SEAD-64D: Garbage Disposal Area

2.6.4.1 Site History

SEAD-64D covers an area located between West Patrol Road and the railroad tracks located to the west along North-South Baseline Road in the southwestern portion of SEDA (**Figure A-2**). Portions of SEAD-64D were used for garbage disposal from 1974 to 1979 when the SEDA solid waste incinerator was not in operation. The type of waste disposed at SEAD-64D was primarily household waste, although according to information contained in the "SWMU Classification Report, Final" (Parsons, 1994a) and conditions observed during test pitting, construction debris was also disposed of at SEAD-64D.

2.6.4.2 History of Contamination

SEAD-64D is a historic solid waste management unit (historic landfill) that is subject to regulation under the State of New York's Solid Waste Management Regulations (see 6 NYCRR Part 360). The Army ceased use of this unit in the late 1970s. As a historic solid waste landfill, the site was subject to final closure in accordance with requirements of 6 NYCRR Part 360 in effect as of August 28, 1977.

Once solid waste disposal ceased at SEAD-64D in the late 1970s, the Army applied a permanent soil cover over the disposed waste and allowed the area to revegetate naturally. The former landfill continues to be covered and has an established vegetative covering. The Army requested formal closure of the historic landfill from the NYSDEC in letters dated May 24, 2005 and August 14, 2006. In a letter dated September 11, 2006, the NYSDEC agreed that SEAD-64B and SEAD-64D are closed under the New York Solid Waste Regulations.

2.6.4.3 Summary of Remedial Actions

No action subsequent to the installation of the landfill cap has been performed at SEAD-64D. Human health and ecological risk assessments were completed and no COCs were identified.

2.6.4.4 Summary of Land Use Controls

A LUC that restricts unauthorized excavation and access to and use of groundwater was imposed on SEAD-64D: Garbage Disposal Area. As a historic solid waste landfill, this SWMU is subject to requirements of the New York State's Solid Waste Regulations (6 NYCRR Part 360), as were in effect in 1979 when it was closed. Under New York's 1979 Solid Waste Regulations, a soil and vegetative cover must be placed on and maintained above the closed landfill.

The groundwater use/access restriction includes the geographic area of SEAD- 64D and prohibits access to or use of the groundwater until the levels of hazardous substances are reduced to levels that allow for UU/UE. The restriction to prohibit unauthorized excavation at the SWMU will remain in effect as long as solid waste remains at the SWMU. The reduction of groundwater contamination to levels that allow for UU/UE, and the removal of solid waste must be completed before UU/UE can be allowed at this SWMU (Parsons, 2007a).

2.6.4.5 Land Use Inspection Observations

SEAD-64D was inspected on April 22, 2014 to assess whether required LUCs imposed by the approved RODs are being maintained. The site inspection confirmed that no prohibited facilities were present or had been constructed at the site and no access to, or use of, groundwater was evident. No unauthorized excavations or evidence of digging were observed. Photographs from the LUC inspection are provided in **Appendix B, Figure B-25**. LUC inspection checklists are provided in **Appendix C**. The selected remedy is still protective of public health and the environment.

3.0 CONCLUSIONS AND RECOMMENDATIONS

3.1 Planned Industrial / Office Development (PID) and Warehousing Area

Seventeen SEADs (SEADs 1, 2, 5, 16, 17, 25, 26, 27, 39, 40, 59, 64A, 66, 67, 71, 121C, and 121I) were inspected within the PID/Warehouse Area as part of this LUC inspection. Based on the LUC site inspections conducted in April 2014 the following conclusions were made:

- No violations of the institutional or land use controls were observed;
- Nothing has occurred that would impair the ability of the LUCs to protect the public health and environment;
- LTM continues to be employed at SEADs 16, 17, 25, and 26 and the monitoring results have been approved by NYSDEC and EPA; and
- Applicable landfill covers/containment features (SEADs 5 and 64A) were operating as designed and were observed to be maintained accordingly.

The LUCs for the PID/Warehouse Area continue to be protective of public health and the environment and are compliant with the LUC objectives. It is recommended to continue the periodic review of the LUCs.

3.2 Prison Area

Eight SEADs (SEADs 43, 44A, 44B, 52, 56, 62, 64C, and 69) were inspected within the Prison Area as part of this LUC inspection. Based on the LUC site inspections conducted in April 2014 the following conclusions were made:

- No violations of the institutional or land use controls were observed; and
- The property continues to be used for the purpose of a correctional facility as per the requirements in the applicable decision document.

The LUCs for the Prison Area continue to be protective of public health and the environment and are compliant with the LUC objectives. It is recommended to continue the periodic review of the LUCs.

3.3 Airfield Parcel

Two SEADs (SEADs 122B and 122E) were inspected within the Airfield Parcel as part of this LUC inspection. Based on the LUC site inspections conducted in April 2014 the following conclusions were made:

- No violations of the institutional or land use controls were observed; and
- Nothing has occurred that would impair the ability of the LUCs to protect the public health and environment.

The LUCs for the Airfield Parcel continue to be protective of public health and the environment and are compliant with LUC objectives. It is recommended to continue the periodic review of the LUCs.

3.4 Ash Landfill Operable Unit

Five SEADs (SEADs 3, 6, 8, 14, and 15) comprise the Ash Landfill Operable Unit. The entirety of the Ash Landfill Operable Unit was inspected as part of this LUC inspection. The following conclusions are based on the observations made during the April 2014 LUC site inspections:

- No violations of the institutional or land use controls were observed;
- Nothing has occurred that would impair the ability of the LUCs to protect the public health and environment;
- LTM continues to be employed at SEADs 3, 6, 8, 14, and 15 and the monitoring results have been approved by NYSDEC and EPA;
- The integrity of the current remedial and monitoring system, including permeable reactive barriers and monitoring wells, was found to be intact; and
- Applicable landfill covers/containment features were operating as designed and were not damaged.

The LUCs for the Ash Landfill Operable Unit continue to be protective of public health and the environment and are compliant with the LUC objectives. It is recommended to continue the periodic review of the LUCs.

3.5 North End Institutional Area

One SEAD (SEAD-41) was inspected within the North End Institutional Area as part of this LUC inspection. Based on the LUC site inspections conducted in April 2014 the following conclusions were made:

- No violations of the institutional or land use controls were observed; and
- Nothing has occurred that would impair the ability of the LUCs to protect the public health and environment.

The LUCs for the North End Institutional Area continue to be protective of public health and the environment and are compliant with the LUC objectives. It is recommended to continue the periodic review of the LUCs.

3.6 Other Areas

Three SEADs (SEADs 13, 64B, and 64D) located within the SEDA former ammunition storage area were inspected as part of this LUC inspection. Based on the LUC site inspections conducted in April 2014 the following conclusions were made:

- No violations of the institutional or land use controls were observed;
- Nothing has occurred that would impair the ability of the LUCs to protect the public health and environment; and

- Applicable landfill covers/containment features (SEADs 64B and 64D) were operating as designed and were observed to be maintained accordingly.

The LUCs for SEAD 13, 64B, and 64D continue to be protective of public health and the environment and are compliant with the LUC objectives. It is recommended to continue the periodic review of the LUCs.

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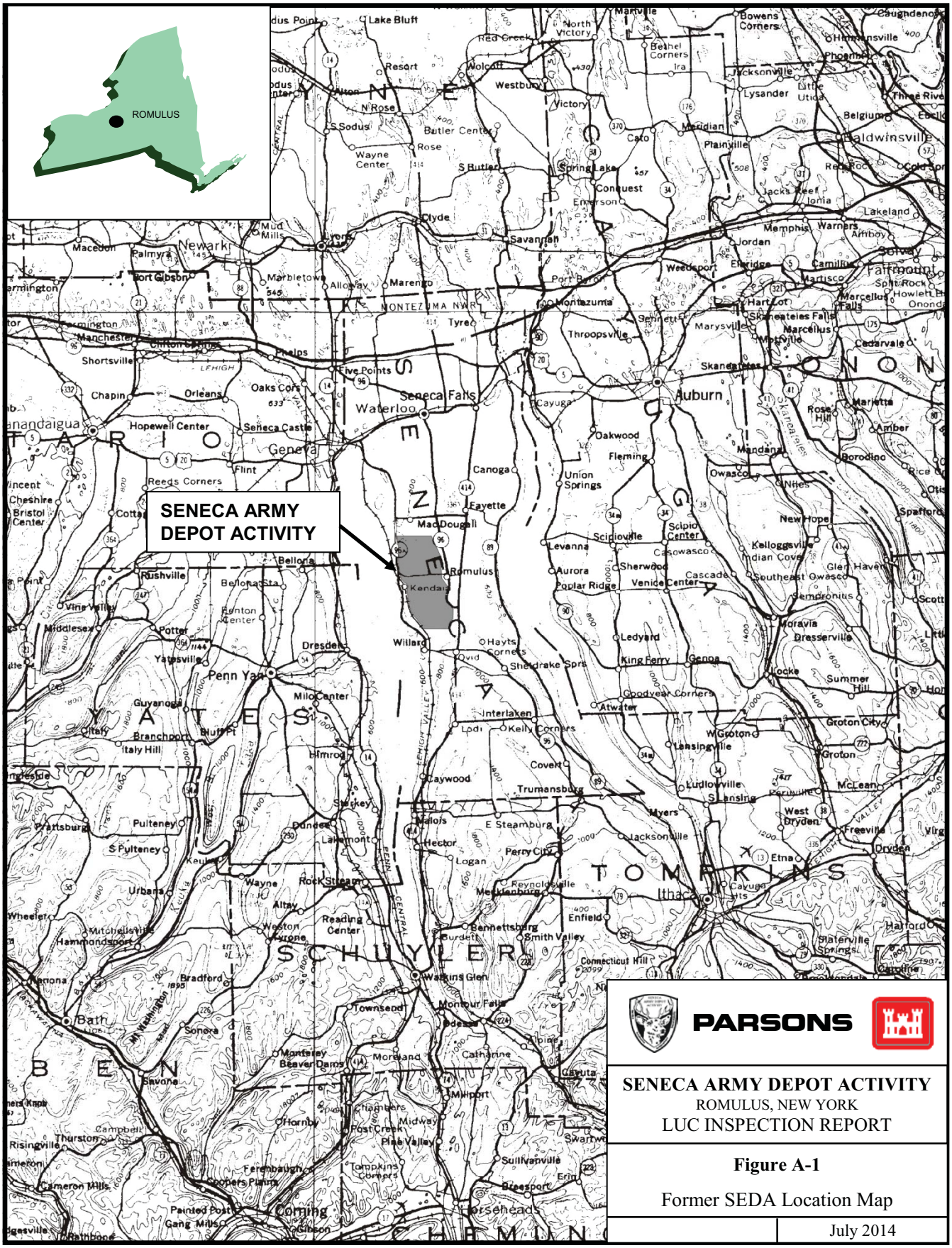
APPENDICES

Appendix A General Site Figures
Appendix B Photo Logs
Appendix C LUC Inspection Forms

APPENDIX A
GENERAL SITE FIGURES



PARSONS

SENECA ARMY DEPOT ACTIVITY
ROMULUS, NEW YORK
LUC INSPECTION REPORT

Figure A-1

Former SEDA Location Map

July 2014

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NORTH END INSTITUTIONAL AREA

N
W E
S

SEAD-41

SEAD-13

SEAD-67

SEAD-66

PID AREA

SEAD-71

SEAD-59

SEAD-39

SEAD-16

SEAD-5

SEAD-17

SEAD-25

SEAD-2

SEAD-40

SEAD-1

SEAD-121C

SEAD-27

SEAD-121I

Ash Landfill

SEAD-3,6,8,14 & 15

SEAD-64A

SEAD-64D

SEAD-26

SEAD-122E

AIRFIELD

SEAD-43/56/69

SEAD-44B

SEAD 62

SEAD-64B

SEAD-52

SEAD-44A

SEAD-64C

SEAD-122B

PRISON AREA

Legend

- SEADs Inspected
- North End Institutional Area
- Prison Property
- PID Boundary
- SEDA Boundary
- PID & Warehousing Area
- Airfield Parcel

0 1,500 3,000 6,000 Feet

PARSONS

SENECA ARMY DEPOT ACTIVITY

LUC INSPECTION REPORT

FIGURE A-2
SEAD Locations & Institutional Control Sites

July 2014

Path: P:\PIT\Projects\Huntsville Cont W912DY-08-D-0003\TO#15 - LTM and LUC\LUC Inspections\GIS\SEDA_LUC_Map.mxd

APPENDIX B
PHOTO LOGS

Figure B-1
2014 LUC Inspection - Site Visit Photo Log
SEAD-1 Hazardous Waste Container Storage Facility (Building 307)

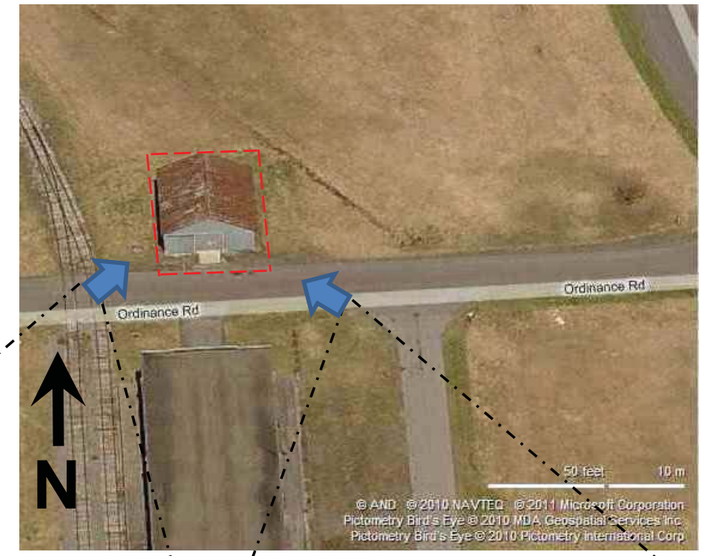
PROJECT: Seneca Army Depot LUC Inspection
PROJECT #: 748662

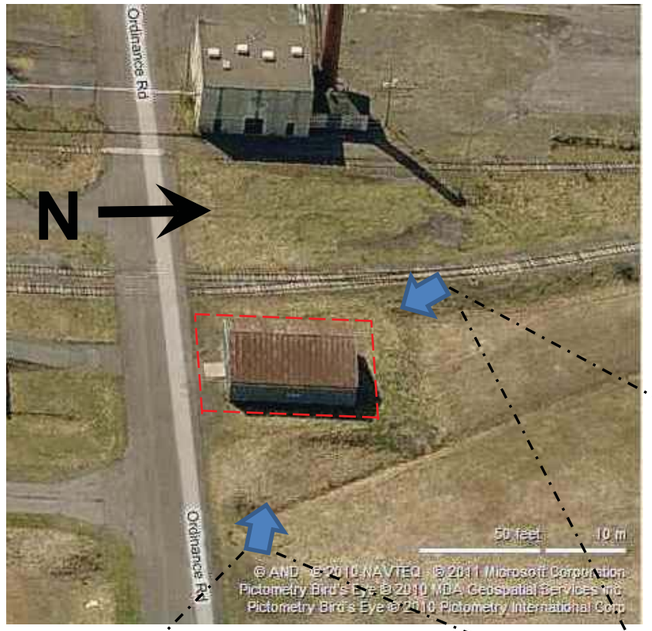
LOCATION: SEAD-1, Seneca Army Depot
CLIENT: U.S. Army Corp of Engineers

Approximate Site Boundary

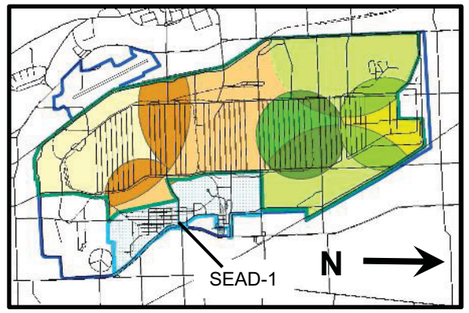
Photo Viewing Direction

Bing.com (Microsoft) Birds Eye Aerial of SEAD-1; actual date of aerial photo is unknown but based on observable features at SEDA it may be from Spring 2007.





SEDA Overall Map (no scale)



SEAD-1 is located within the PID/ Warehouse Area Parcel.

2014 Site Visit Photo 1

Status as of: 4/22/14 Photo ID: IMG_4081.JPG
Description: Building 307

2014 Site Visit Photo 2

Status as of: 4/22/14 Photo ID: IMG_4079.JPG
Description: Building 307

2014 Site Visit Photo 3

Status as of: 4/22/14 Photo ID: P4220045.JPG
Description: Building 307 and nearby drainage ditch.

2014 Site Visit Photo 4

Status as of: 4/22/14 Photo ID: P4220048.JPG
Description: Building 307

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Figure B-2
2014 LUC Inspection - Site Visit Photo Log
SEAD-2 PCB Transformer Storage Facility (Building 301)

PROJECT: Seneca Army Depot LUC Inspection
PROJECT #: 748662

LOCATION: SEAD-2, Seneca Army Depot
CLIENT: U.S. Army Corp of Engineers

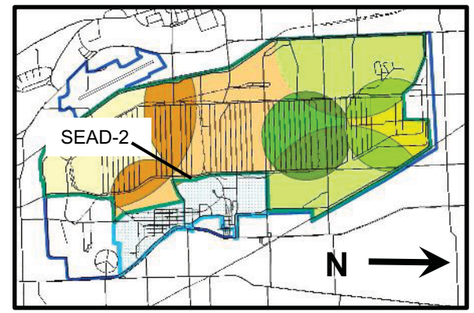
SEAD-2 is located within the PID/ Warehouse Area Parcel.

Approximate Site Boundary

Photo Viewing Direction

Bing.com (Microsoft) Birds Eye Aerial of SEAD-2; actual date of aerial photo is unknown but based on observable features at SEDA it may be from Spring 2007.

SEDA Overall Map (no scale)



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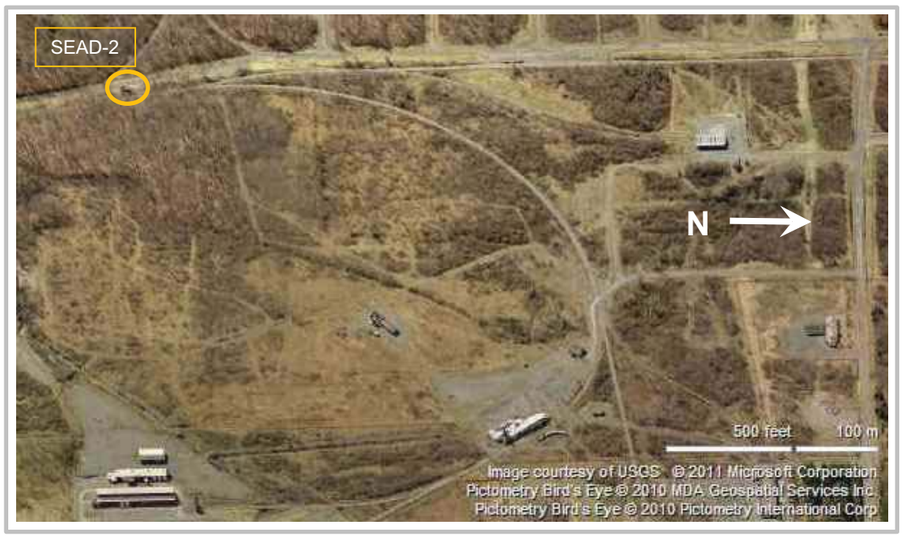
Description: Building 307

Photo ID: P4220085.JPG



2014 Site Visit Photo 2

Status as of: 4/22/14
Description: Building 301

Photo ID: P4220084.JPG

Figure B-3
2014 LUC Inspection - Site Visit Photo Log
SEAD-5 Sewage Sludge Waste Piles

PROJECT: Seneca Army Depot LUC Inspection
PROJECT #: 748662

LOCATION: SEAD-5, Seneca Army Depot
CLIENT: U.S. Army Corp of Engineers

2014 Site Visit Photo 1

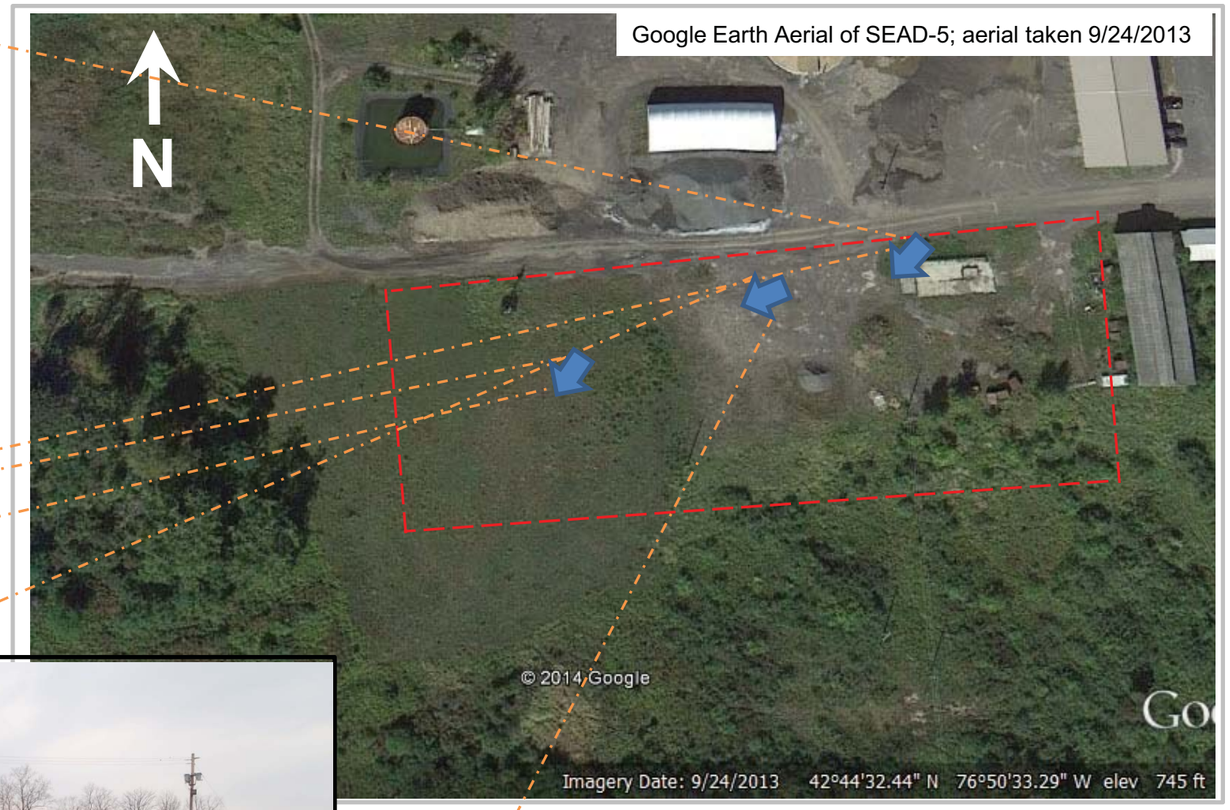
Status as of: 4/22/14 Photo ID: P4220010.JPG
Description: SEAD-5. Metals posts and sand stockpile.

2013 Site Visit Photo 2

Status as of: 4/22/14 Photo ID: P4220016.JPG
Description: SEAD-5 cap

2014 Site Visit Photo 3

Status as of: 4/22/14 Photo ID: P4220014.JPG
Description: SEAD-5 cap



SEAD-5 is located within the PID/Warehouse Area Parcel.

Photo Viewing Direction

Approximate Site Boundary

SEDA Overall Map (no scale)

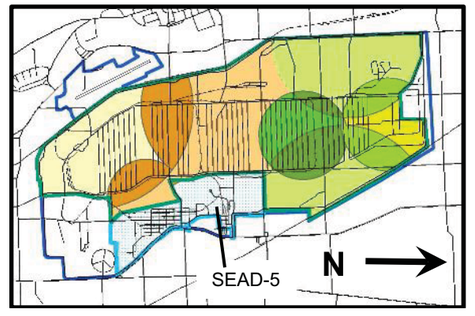


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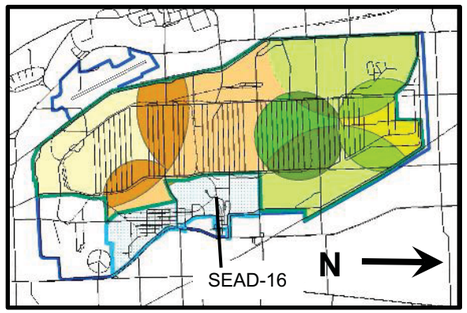
Figure B-4
2014 LUC Inspection - Site Visit Photo Log
SEAD-16 Abandoned Deactivation Furnaces

PROJECT: Seneca Army Depot LUC Inspection
PROJECT #: 748662

LOCATION: SEAD-16, Seneca Army Depot
CLIENT: U.S. Army Corp of Engineers

SEDA Overall Map (no scale)

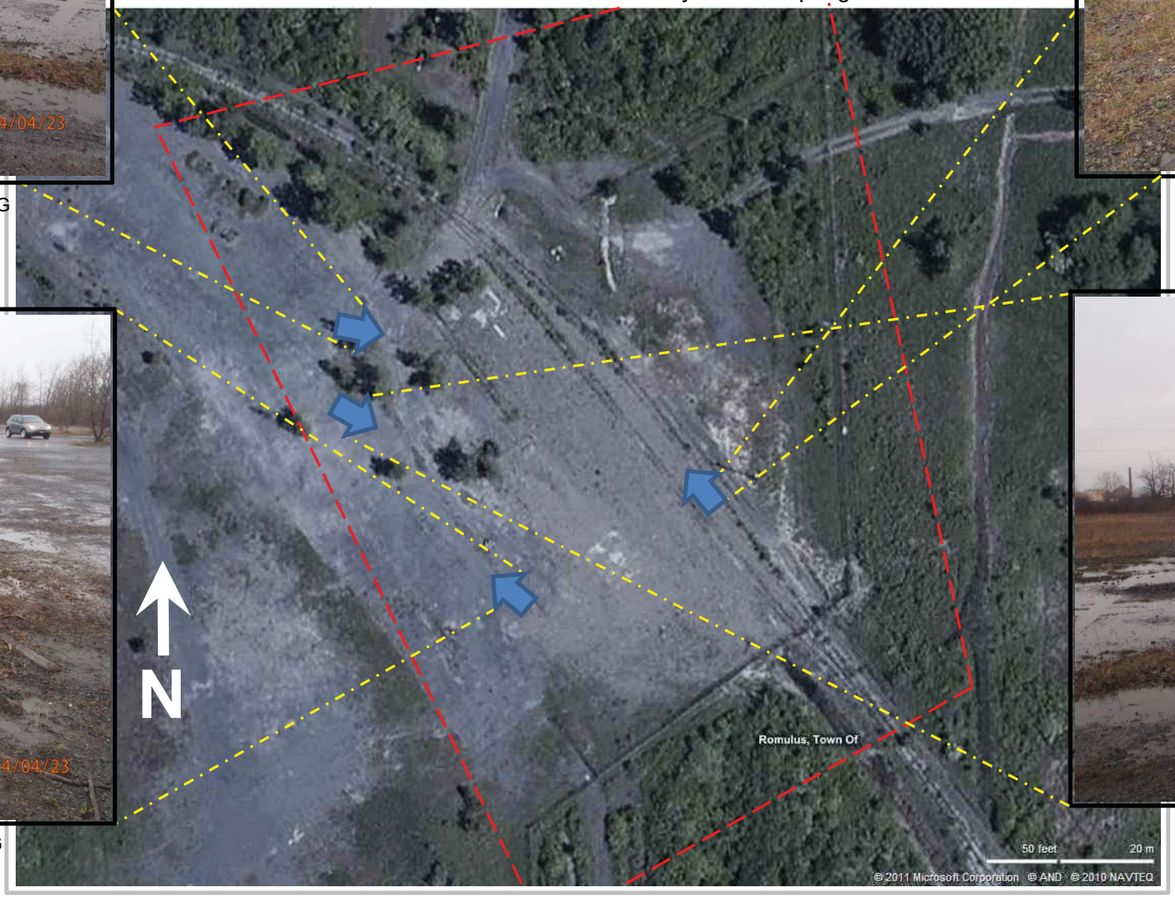


SEAD-16 is located within the PID/Warehouse Area Parcel.

Approximate Site Boundary

Photo Viewing Direction

Bing.com (Microsoft) Aerial of SEAD-16; actual date of aerial photo is unknown but based on observable features at SEDA it may be from Spring 2010.



2014 Site Visit Photo 1

Status as of: 4/23/14
Description: SEAD-16

Photo ID: P4230180.JPG

2014 Site Visit Photo 2

Status as of: 4/23/14
Description: SEAD-16

Photo ID: P4230181.JPG

2014 Site Visit Photo 3

Status as of: 4/23/14
Description: SEAD-16

Photo ID: P4230189.JPG

2014 Site Visit Photo 4

Status as of: 4/23/14
Description: SEAD-16

Photo ID: P4230179.JPG

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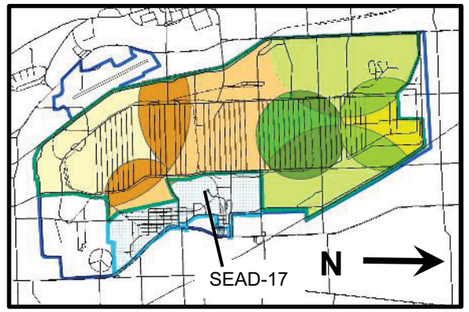
Figure B-5
2014 LUC Inspection - Site Visit Photo Log
SEAD-17 Active Deactivation Furnace

PROJECT: Seneca Army Depot LUC Inspection
PROJECT #: 748662

LOCATION: SEAD-17, Seneca Army Depot
CLIENT: U.S. Army Corp of Engineers

Approximate Site Boundary

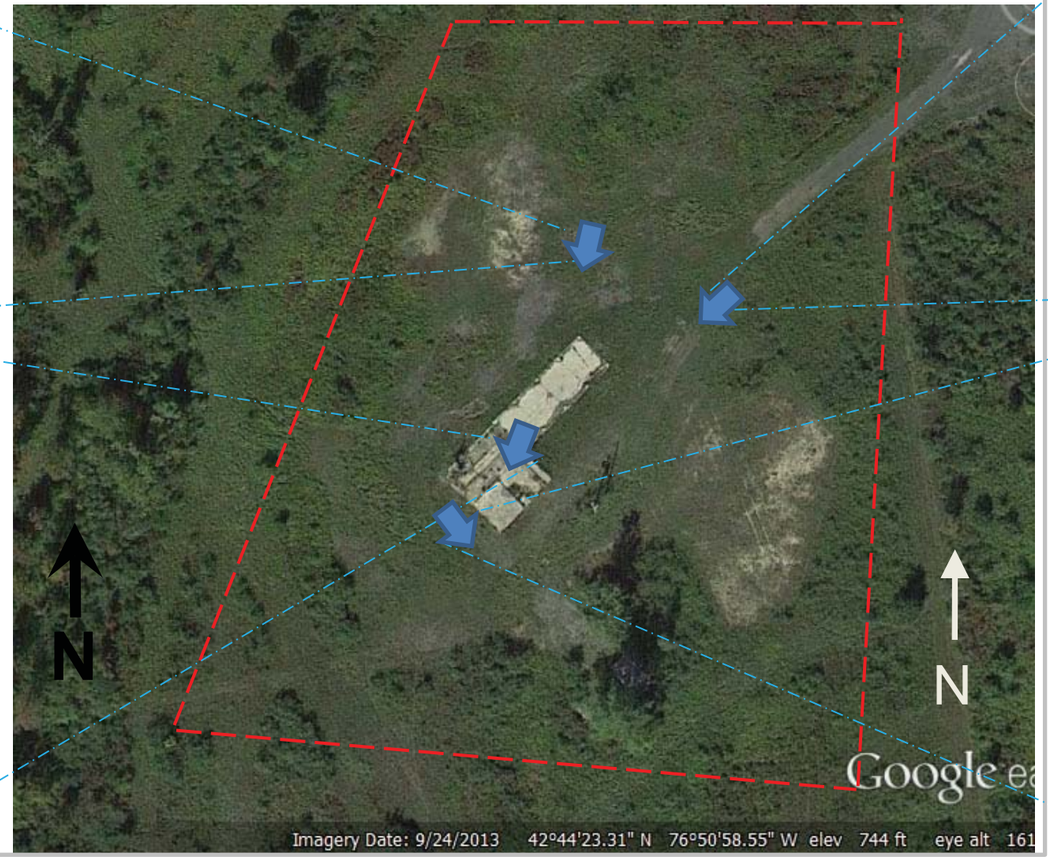
Photo Viewing Direction



SEDA Overall Map
(no scale)

SEAD-17 is located within the PID/Warehouse Area Parcel.

Google Earth Aerial of SEAD-17; aerial taken 9/24/2013.



2014 Site Visit Photo 1

Status as of: 4/23/14 Photo ID: P4230198.JPG
Description: SEAD-17, Building 367 foundation.

2014 Site Visit Photo 2

Status as of: 4/23/14 Photo ID: P4230195.JPG
Description: SEAD-17, Building 367 foundation.

2014 Site Visit Photo 3

Status as of: 4/23/14 Photo ID: P4230194.JPG
Description: SEAD-17, Building 367 foundation.

2014 Site Visit Photo 4

Status as of: 4/23/14 Photo ID: P4230196.JPG
Description: SEAD-17, Building 367 foundation.

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Figure B-6
2014 LUC Inspection - Site Visit Photo Log
SEAD-25 Fire Training and Demonstration Pad

PROJECT: Seneca Army Depot LUC Inspection
PROJECT #: 748662

LOCATION: SEAD-25, Seneca Army Depot
CLIENT: U.S. Army Corp of Engineers

2014 Site Visit Photo 1

Status as of: 4/22/14 Photo ID: P4220042.JPG
Description: SEAD-25 Former Pad Area

2014 Site Visit Photo 2

Status as of: 4/22/14 Photo ID: P4220040.JPG
Description: SEAD-25 Former Pad Area

2014 Site Visit Photo 3

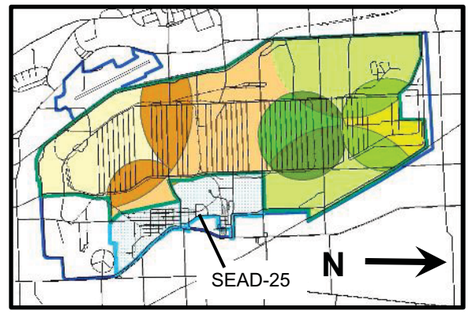
Status as of: 4/22/14 Photo ID: P4220043.JPG
Description: SEAD-25 Former Pad Area

SEAD-25 is located within the PID/Warehouse Area Parcel.

Approximate Site Boundary

Photo Viewing Direction

SEDA Overall Map (no scale)



Bing.com (Microsoft) Birds Eye Aerial of SEAD-25; actual date of aerial photo is unknown but based on observable features at SEDA it may be from Spring 2007.

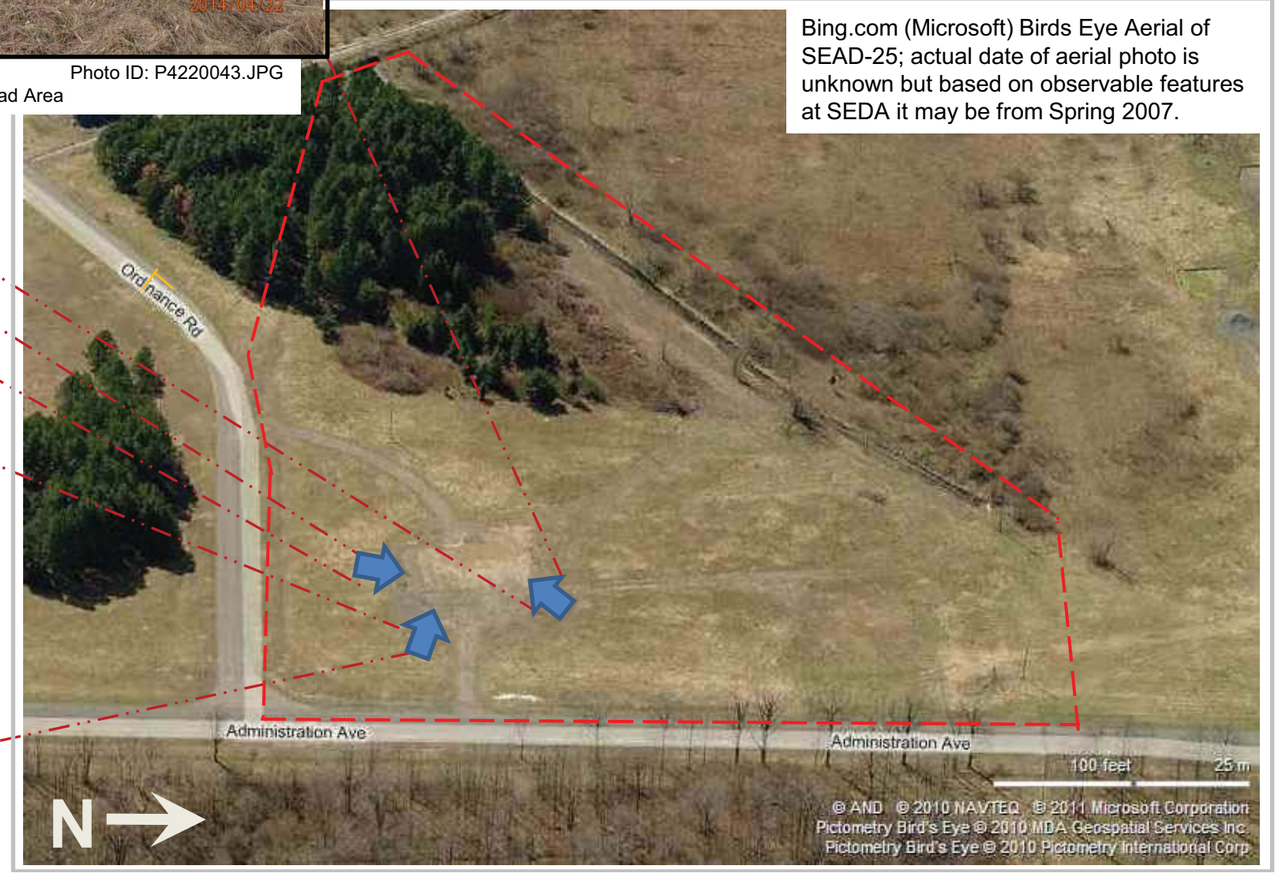


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Figure B-7
2014 LUC Inspection - Site Visit Photo Log
SEAD-26 Fire Training Pit and Area

PROJECT: Seneca Army Depot LUC Inspection
PROJECT #: 748662

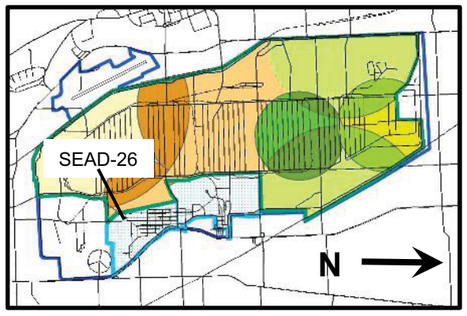
LOCATION: SEAD-26, Seneca Army Depot
CLIENT: U.S. Army Corp of Engineers

SEAD-26 is located within the PID/Warehouse Area Parcel.

Approximate Site Boundary

Photo Viewing Direction

SEDA Overall Map (no scale)



2014 Site Visit Photo 1

Status as of: 4/22/14
Description: SEAD-26

Photo ID: P4220078.JPG

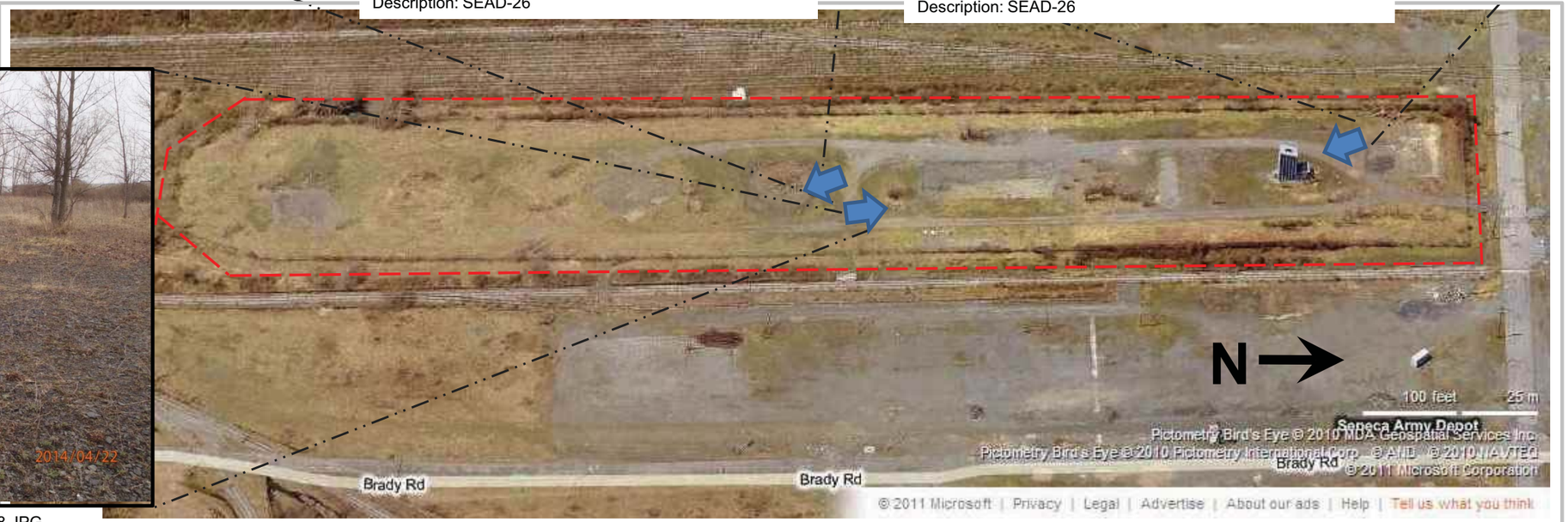
2014 Site Visit Photos 2 and 3

Status as of: 4/22/14
Description: SEAD-26

Photo ID: P4220076.JPG

Status as of: 4/22/14
Description: SEAD-26

Photo ID: P4220072.JPG



Bing.com (Microsoft) Aerial of SEAD-26; actual date of aerial photo is unknown, but based on observable features at SEDA it may be from Spring 2006.

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Figure B-8
2014 LUC Inspection - Site Visit Photo Log
SEAD-27 Building 360, Steam Jenny Pit

PROJECT: Seneca Army Depot LUC Inspection
PROJECT #: 748662

LOCATION: SEAD-27, Seneca Army Depot
CLIENT: U.S. Army Corp of Engineers

SEAD-27 is located within the PID/ Warehouse Area Parcel.

2014 Site Visit Photo 1

Status as of: 4/22/14 Photo ID: P4220053.JPG
Description: SEAD-27

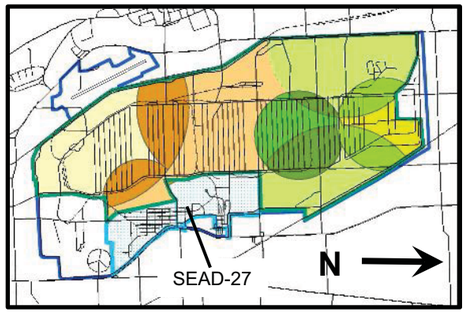
2014 Site Visit Photo 2

Status as of: 4/22/14 Photo ID: IMG_4088.JPG
Description: SEAD-27

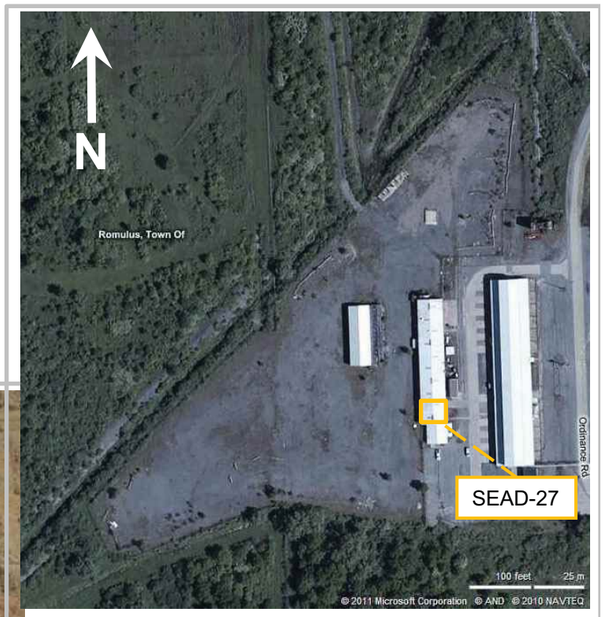
2014 Site Visit Photo 3

Status as of: 4/22/14 Photo ID: P4220051.JPG
Description: SEAD-27

SEDA Overall Map (no scale)



Bing.com (Microsoft) Birds Eye Aerial of SEAD-27; actual date of aerial photo is unknown but based on observable features at SEDA it may be from Spring 2007.



Bing.com (Microsoft) Aerial of SEAD-27 actual date of aerial photo is unknown but based on observable features at SEDA its from Spring 2010.

Approximate Site Boundary

Photo Viewing Direction

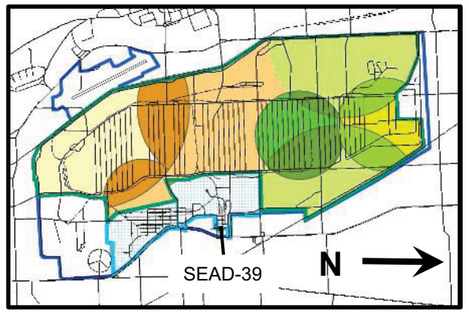
P:\PIT\Projects\Huntsville Cont W912DY-08-D-0003\TO#15 - LTM and LUC\LUC Inspections\LUC Report 2014\Figures\\ SEAD-121C_Aerial_n_Ground_Photos.ppt

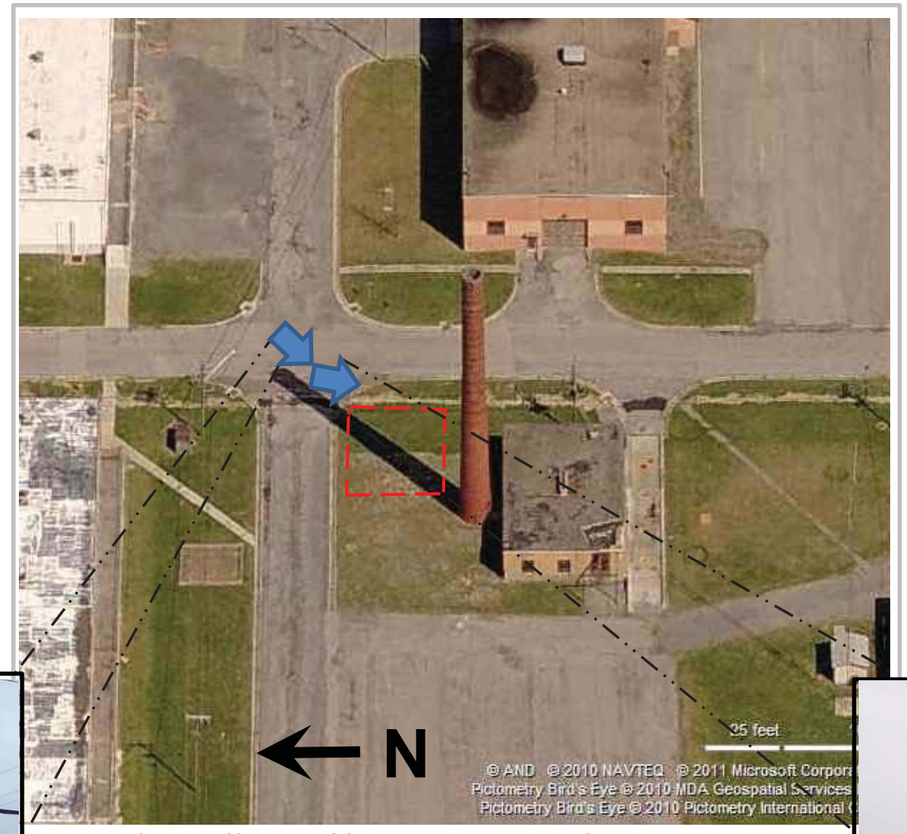
Figure B-9
2014 LUC Inspection - Site Visit Photo Log
SEAD-39 Building 121 Boiler Plant Blowdown Leach Pit

PROJECT: Seneca Army Depot LUC Inspection
PROJECT #: 748662

LOCATION: SEAD-39, Seneca Army Depot
CLIENT: U.S. Army Corp of Engineers

SEDA Overall Map (no scale)





Bing.com (Microsoft) Aerial of SEAD-39; actual date of aerial photo is unknown but based on observable features at SEDA it may be from Spring 2006.

SEAD-39 is located within the PID/Warehouse Area Parcel.

Approximate Site Boundary

Photo Viewing Direction

2014 Site Visit Photo 1

Status as of: 4/22/14 Photo ID: P4220003.JPG
Description: SEAD-39 blowdown pit in foreground

2014 Site Visit Photo 2

Status as of: 4/22/14 Photo ID: P4220007.JPG
Description: SEAD-39, area of blowdown leaching pit.

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Figure B-10
2014 LUC Inspection - Site Visit Photo Log
SEAD-40 Building 319 Boiler Blowdown Leach Pit

PROJECT: Seneca Army Depot LUC Inspection
PROJECT #: 748662

LOCATION: SEAD-40, Seneca Army Depot
CLIENT: U.S. Army Corp of Engineers

SEAD-40 is located within the PID/Warehouse Area Parcel.

Approximate Site Boundary

Photo Viewing Direction

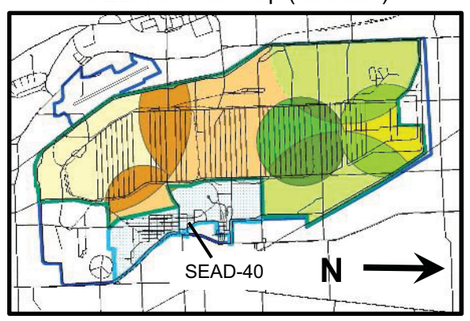
Bing.com (Microsoft) Birds Eye Aerial of SEAD-40; actual date of aerial photo is unknown, but based on observable features at SEDA it may be from Spring 2006.

2014Site Visit Photo 1

Status as of: 4/22/14
Description: SEAD-40

Photo ID: IMG_4083.JPG

SEDA Overall Map (no scale)



Bing.com (Microsoft) Aerial of SEAD-40; actual date of aerial photo is unknown but based on observable features at SEDA it may befrom Spring 2010.

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Figure B-11
2014 LUC Inspection - Site Visit Photo Log
SEAD-59 Fill Area West of Building 135

PROJECT: Seneca Army Depot LUC Inspection
PROJECT #: 748662

LOCATION: SEAD-59, Seneca Army Depot
CLIENT: U.S. Army Corp of Engineers

2014 Site Visit Photo 1

Status as of: 4/22/14
Description: SEAD-59

Photo ID: P4220020.JPG

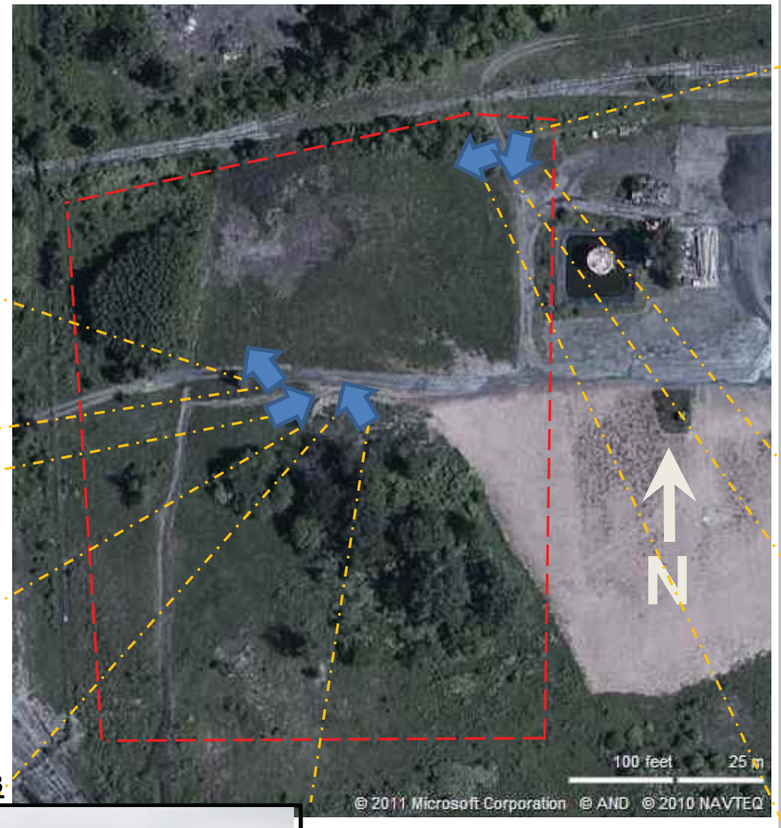
2014 Site Visit Photo 2

Status as of: 4/22/14
Description: SEAD-59

Photo ID: P4220051.JPG

SEAD-59 is located within the PID/Warehouse Area Parcel.

Bing.com (Microsoft) Aerial of SEAD-59; actual date of aerial photo is unknown, but based on observable features at SEDA it may be from Spring 2010.

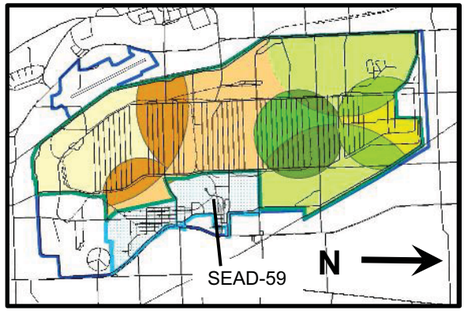


2011 Site Visit Photo 3

Status as of: 4/22/14
Description: SEAD-59

Photo ID: P4220026.JPG

SEDA Overall Map (no scale)



2014 Site Visit Photo 4

Status as of: 4/22/14
Description: SEAD-59

Photo ID: P4220032.JPG

2014 Site Visit Photo 5

Status as of: 4/22/14
Description: SEAD-59

Photo ID: P4220022.JPG

Approximate Site Boundary

Photo Viewing Direction

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Figure B-12
2014 LUC Inspection - Site Visit Photo Log
SEAD-64A Garbage Disposal Area

PROJECT: Seneca Army Depot LUC Inspection
PROJECT #: 748662

SEAD-64A is located within the PID/Warehouse Area Parcel.

LOCATION: SEAD-64A, Seneca Army Depot
CLIENT: U.S. Army Corp of Engineers

2014 Site Visit Photo 1

Status as of: 4/22/14
Description: SEAD-64A

Photo ID: IMG_4091.JPG

2014 Site Visit Photo 2

Status as of: 4/22/14
Description: SEAD-64A

Photo ID: P4220083.JPG

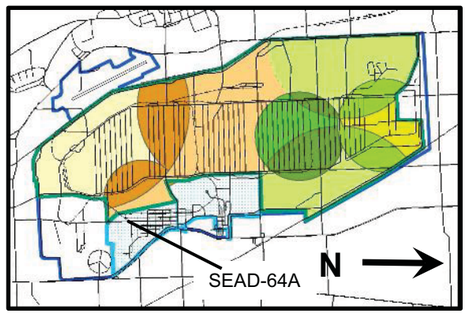
2014 Site Visit Photo 3

Status as of: 4/22/14
Description: SEAD-64A

Photo ID: IMG_4092.JPG

Bing.com (Microsoft) Birds Eye Aerial of SEAD-64A; actual date of aerial photo is unknown, but based on observable features at SEDA it may be from Spring 2007.

SEDA Overall Map (no scale)



Approximate Site Boundary

Photo Viewing Direction

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Figure B-13
2014 LUC Inspection - Site Visit Photo Log
SEAD-66 Pesticide Storage near Buildings 5 and 6

PROJECT: Seneca Army Depot LUC Inspection
PROJECT #: 748662

LOCATION: SEAD-66, Seneca Army Depot
CLIENT: U.S. Army Corp of Engineers

2014 Site Visit Photo 1

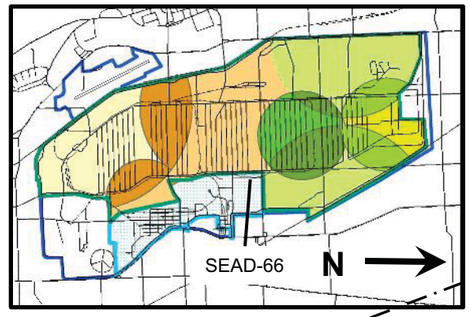
Status as of: 4/22/14 Photo ID: IMG_4083.JPG
Description: SEAD-40

SEAD-66 is located within the PID/Warehouse Area Parcel.

Approximate Site Boundary

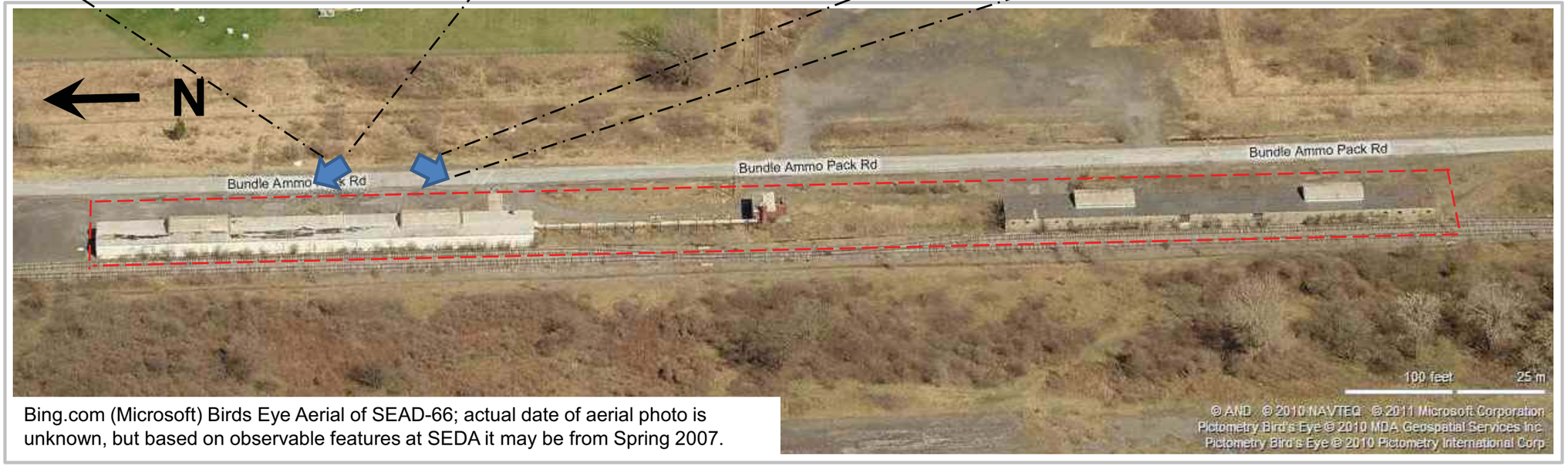
Photo Viewing Direction

SEDA Overall Map (no scale)



2014 Site Visit Photo 2

Status as of: 4/22/14 Photo ID: P4220159.JPG
Description: SEAD-40



Bing.com (Microsoft) Birds Eye Aerial of SEAD-66; actual date of aerial photo is unknown, but based on observable features at SEDA it may be from Spring 2007.

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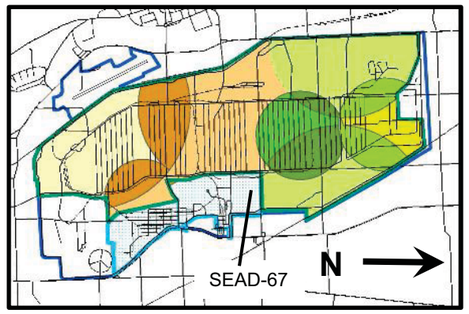
Figure B-14
2014 LUC Inspection - Site Visit Photo Log
SEAD-67 Dump Site East of Sewage Treatment Plant No. 4

PROJECT: Seneca Army Depot LUC Inspection
PROJECT #: 748662

LOCATION: SEAD-67, Seneca Army Depot
CLIENT: U.S. Army Corp of Engineers

SEAD-67 is located within the PID/Warehouse Area Parcel.

SEDA Overall Map (no scale)



Approximate Site Boundary

Photo Viewing Direction

Bing.com (Microsoft) Birds Eye Aerial of SEAD-67; actual date of aerial photo is unknown but based on observable features at SEDA it may be from Spring 2007.

2014 Site Visit Photo 1

Status as of: 4/22/14 Photo ID: P4220165.JPG
Description: SEAD-67

2014 Site Visit Photo 2

Status as of: 4/22/14 Photo ID: IMG_4146.JPG
Description: SEAD-67

2014 Site Visit Photo 3

Status as of: 4/22/14 Photo ID: P4220169.JPG
Description: SEAD-67

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Figure B-15
2014 LUC Inspection - Site Visit Photo Log
SEAD-71 Alleged Paint Disposal Area

PROJECT: Seneca Army Depot LUC Inspection
PROJECT #: 748662

LOCATION: SEAD-71, Seneca Army Depot
CLIENT: U.S. Army Corp of Engineers

2014 Site Visit Photo 1

Status as of: 4/22/14
Description: SEAD-71
Photo ID: P4220034.JPG

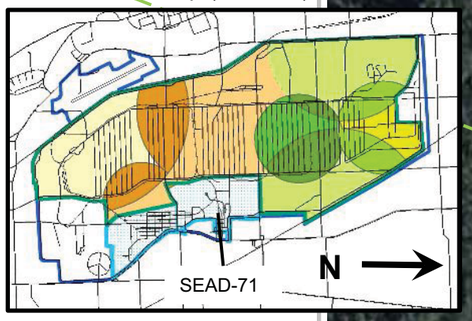
2014 Site Visit Photo 2

Status as of: 4/22/14
Description: SEAD-71
Photo ID: P4220036.JPG

2014 Site Visit Photo 3

Status as of: 4/22/14
Description: SEAD-71
Photo ID: P4220036.JPG

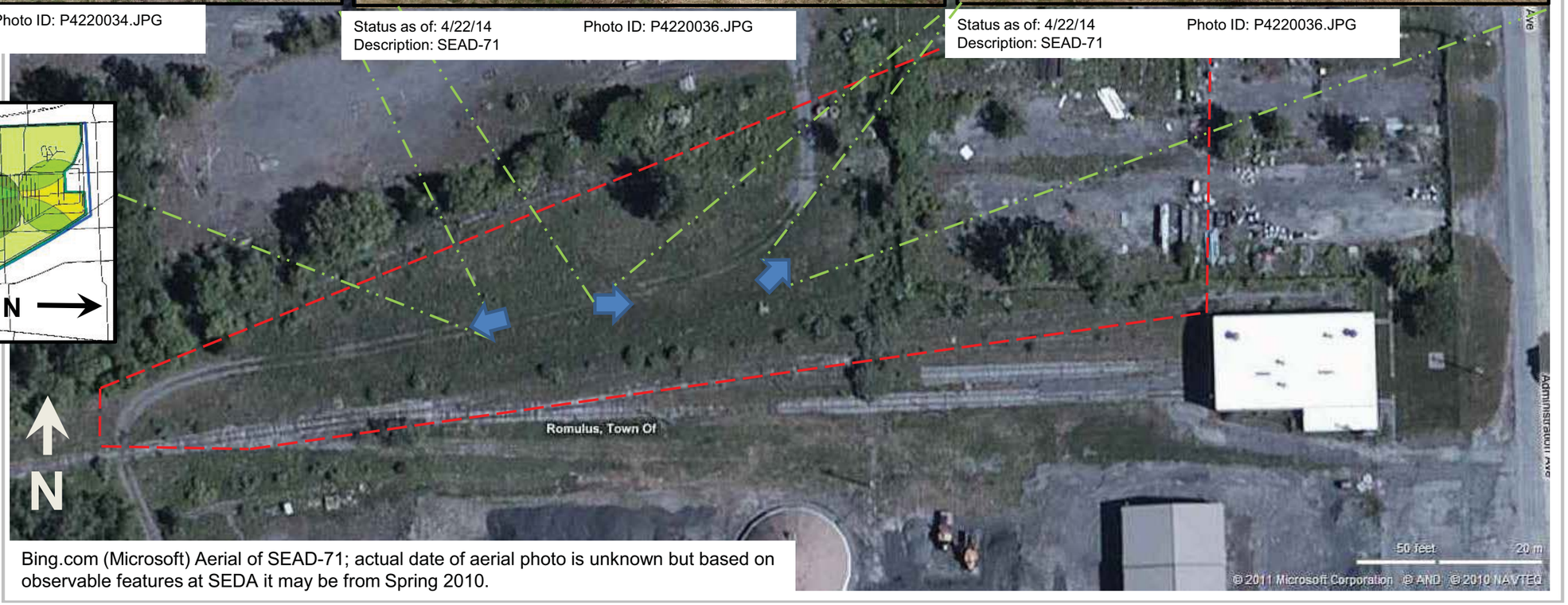
SEDA Overall Map (no scale)



Approximate Site Boundary

Photo Viewing Direction

SEAD-71 is located within the PID/Warehouse Area Parcel.



Bing.com (Microsoft) Aerial of SEAD-71; actual date of aerial photo is unknown but based on observable features at SEDA it may be from Spring 2010.

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Figure B-16
2014 LUC Inspection - Site Visit Photo Log
SEAD-121C Defense Reutilization and Marketing Office (DRMO) Yard

PROJECT: Seneca Army Depot LUC Inspection
PROJECT #: 748662

LOCATION: SEAD-121C, Seneca Army Depot
CLIENT: U.S. Army Corp of Engineers

SEAD-121C is located within the PID/ Warehouse Area Parcel.

2014 Site Visit Photo 1

Status as of: 4/22/14
Description: SEAD-121C
Photo ID: P4220051.JPG

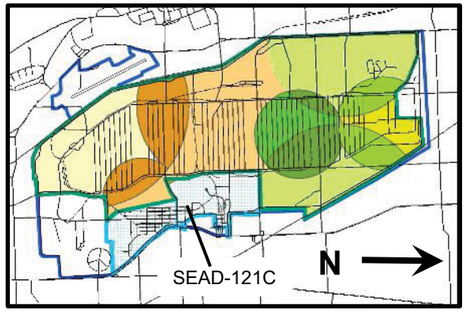
2014 Site Visit Photo 2

Status as of: 4/22/14
Description: SEAD-121C
Photo ID: P4220061.JPG

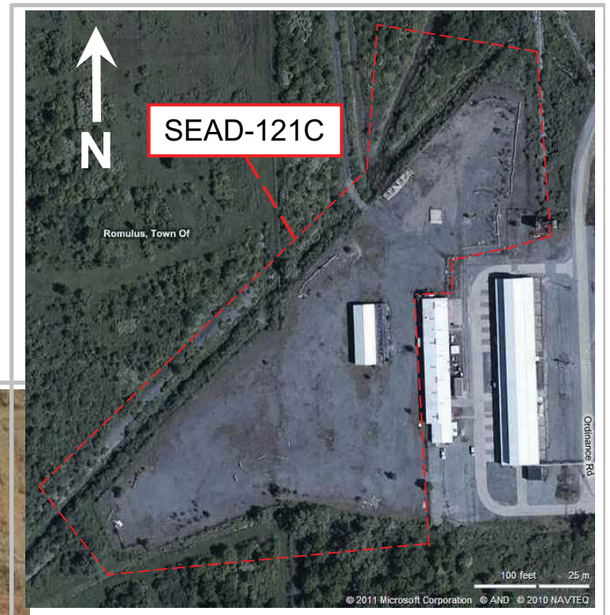
2014 Site Visit Photo 3

Status as of: 4/22/14
Description: SEAD-121C
Photo ID: P4220056.JPG

SEDA Overall Map (no scale)



Bing.com (Microsoft) Birds Eye Aerial of SEAD-121C; actual date of aerial photo is unknown but based on observable features at SEDA it may be from Spring 2007.



Bing.com (Microsoft) Aerial of SEAD-121C; actual date of aerial photo is unknown, but based on observable features at SEDA it may be from Spring 2010.

Approximate Site Boundary

Photo Viewing Direction

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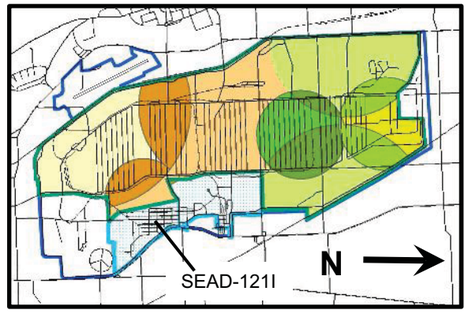
Figure B-17
2014 LUC Inspection - Site Visit Photo Log
SEAD-121I Rumored Cosmoline Oil Disposal Area

PROJECT: Seneca Army Depot LUC Inspection
PROJECT #: 748662

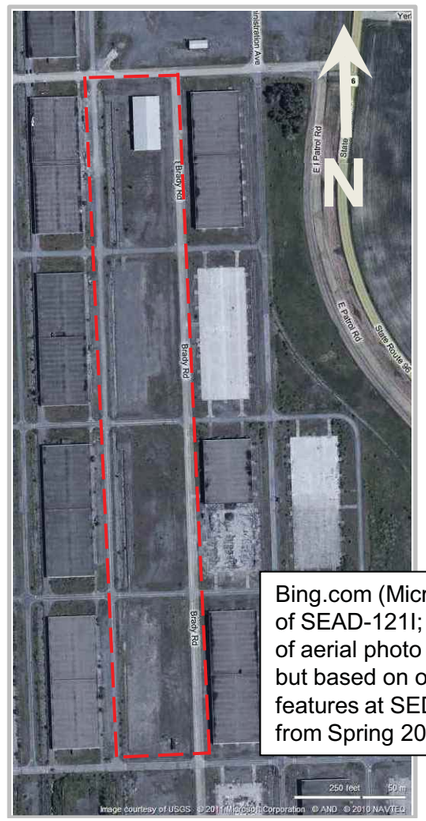
LOCATION: SEAD-121I, Seneca Army Depot
CLIENT: U.S. Army Corp of Engineers

SEDA Overall Map (no scale)



Approximate Site Boundary

Photo Viewing Direction



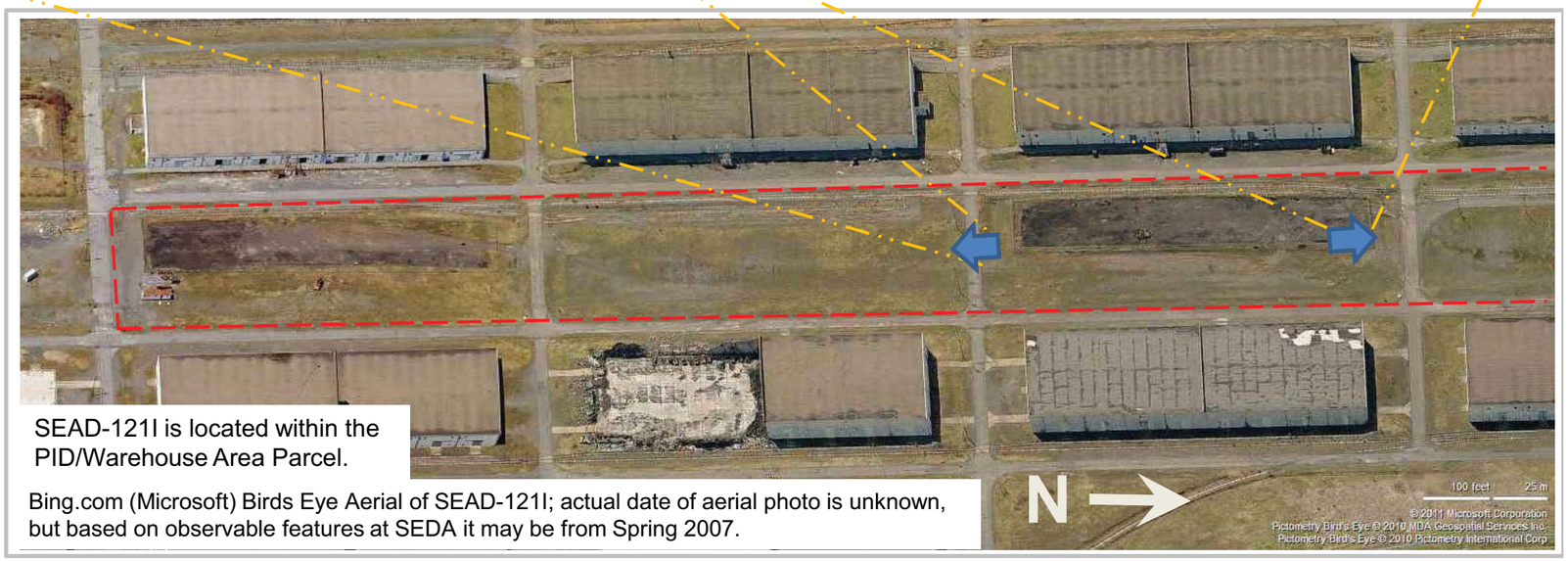
Bing.com (Microsoft) Aerial of SEAD-121I; actual date of aerial photo is unknown but based on observable features at SEDA it may be from Spring 2010.

2014 Site Visit Photo 1

Status as of: 4/22/14
Description: SEAD-121I
Photo ID: P4220066.JPG

2014 Site Visit Photo 2

Status as of: 4/22/14
Description: SEAD-121I
Photo ID: P4220065.JPG



SEAD-121I is located within the PID/Warehouse Area Parcel.

Bing.com (Microsoft) Birds Eye Aerial of SEAD-121I; actual date of aerial photo is unknown, but based on observable features at SEDA it may be from Spring 2007.

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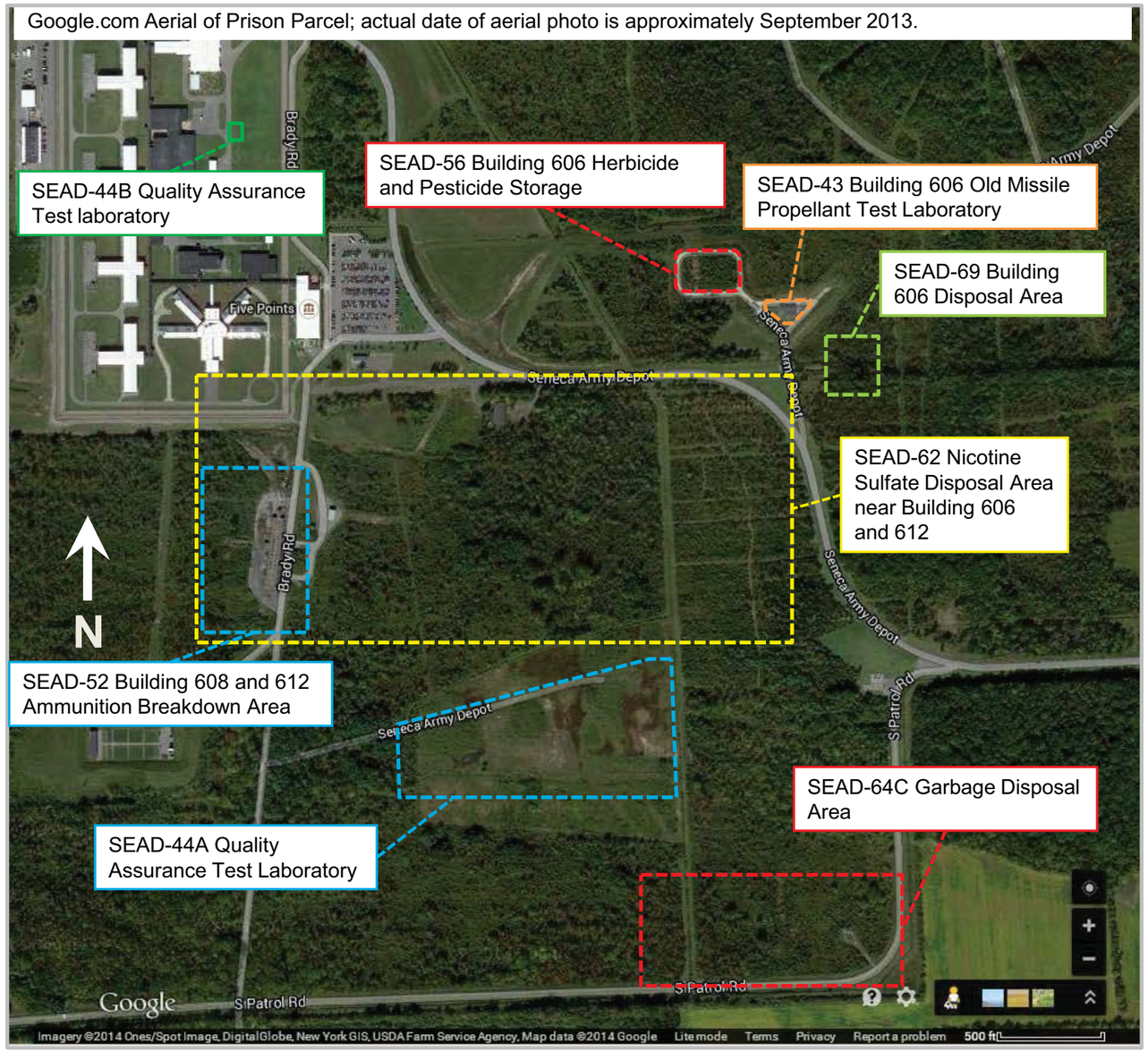
Figure B-18
2014 LUC Inspection - Site Visit Photo Log
Prison Area Parcel

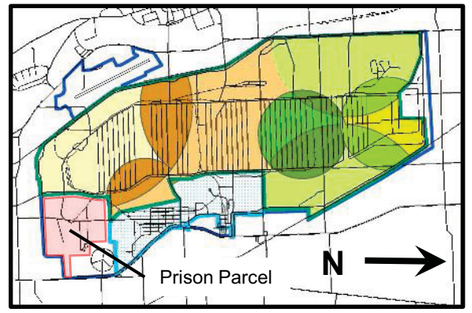
PROJECT: Seneca Army Depot LUC Inspection
PROJECT #: 748662

LOCATION: Prison Parcel, Seneca Army Depot
CLIENT: U.S. Army Corp of Engineers



Prison Parcel contains the following:
- SEAD-43 Building 606 Old Missile Propellant Test Laboratory
- SEAD-44A Quality Assurance Test Laboratory
- SEAD-44B Quality Assurance Test laboratory
- SEAD-52 Building 608 and 612 Ammunition Breakdown Area
- SEAD-56 Building 606 Herbicide and Pesticide Storage
- SEAD-62 Nicotine Sulfate Disposal Area near Building 606 and 612
- SEAD-64C Garbage Disposal Area
- SEAD-69 Building 606 Disposal Area

SEDA Overall Map (no scale)



2014 Site Visit Photo 1

Status as of: 4/22/14 Photo ID: IMG_4083.JPG
Description: Entrance to Correctional Facility. Photos within the Correctional Facility are prohibited.

P:\PIT\Projects\Huntsville Cont W912DY-08-D-0003\TO#15 - LTM and LUC\LUC Inspections\LUC Report 2014\Figures\ Prison_Parcel_Aerial_n_Ground_Photos.ppt

Figure B-19
2014 LUC Inspection - Site Visit Photo Log
SEAD-122B Small Arms Range, Airfield Parcel

PROJECT: Seneca Army Depot LUC Inspection
PROJECT #: 748662

LOCATION: SEAD-122B, Seneca Army Depot
CLIENT: U.S. Army Corp of Engineers

2014 Site Visit Photo 1

Status as of: 4/22/14
Description: SEAD-122B

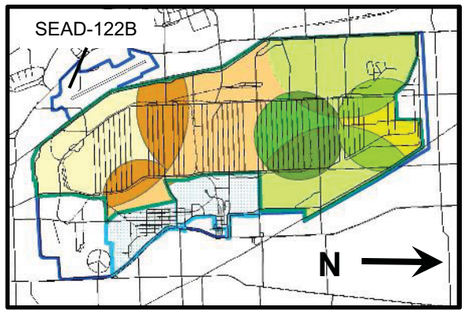
Photo ID: P4220116.JPG

2014 Site Visit Photo 2

Status as of: 4/22/14
Description: SEAD-122B

Photo ID: P4220114.JPG

SEDA Overall Map (no scale)

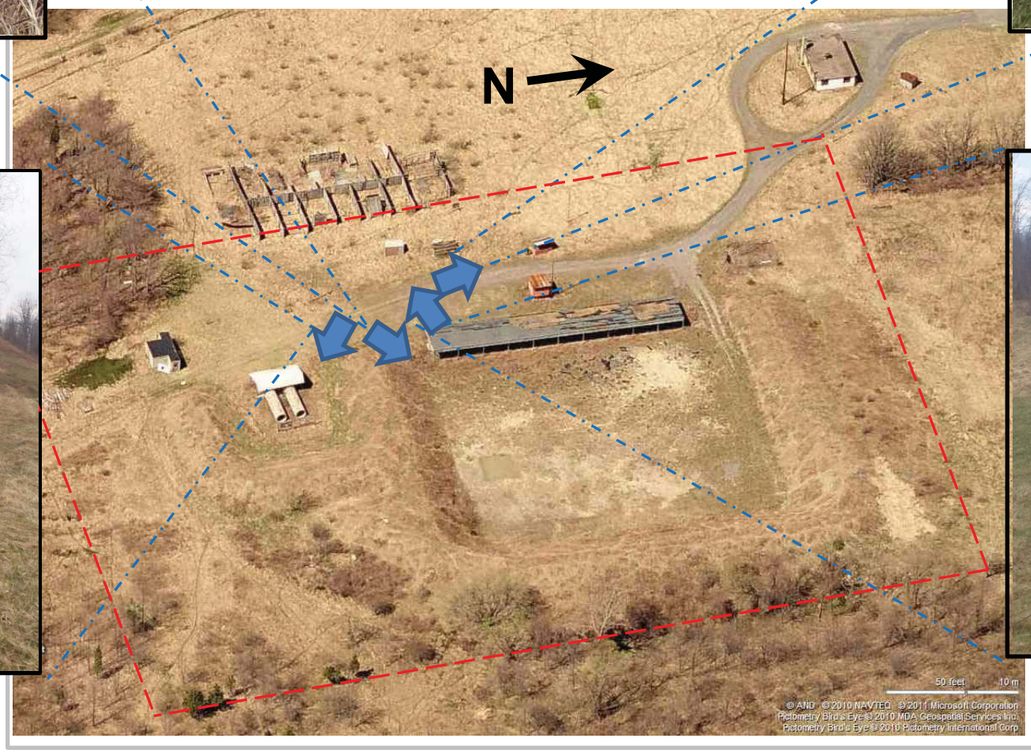


SEAD-122B is located within the Airfield Parcel.

Approximate Site Boundary

Photo Viewing Direction

Bing.com (Microsoft) Birds Eye Aerial of SEAD-122B; actual date of aerial photo is unknown, but based on observable features at SEDA it may be from Spring 2007.



2014 Site Visit Photo 3

Status as of: 4/22/14
Description: SEAD-122B

Photo ID: P4220112.JPG

2014 Site Visit Photo 4

Status as of: 4/22/14
Description: SEAD-122B

Photo ID: P4220117.JPG

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Figure B-20
2014 LUC Inspection - Site Visit Photo Log
SEAD-122E Plane Deicing Area

PROJECT: Seneca Army Depot LUC Inspection
PROJECT #: 748662

LOCATION: SEAD-122E, Seneca Army Depot
CLIENT: U.S. Army Corp of Engineers

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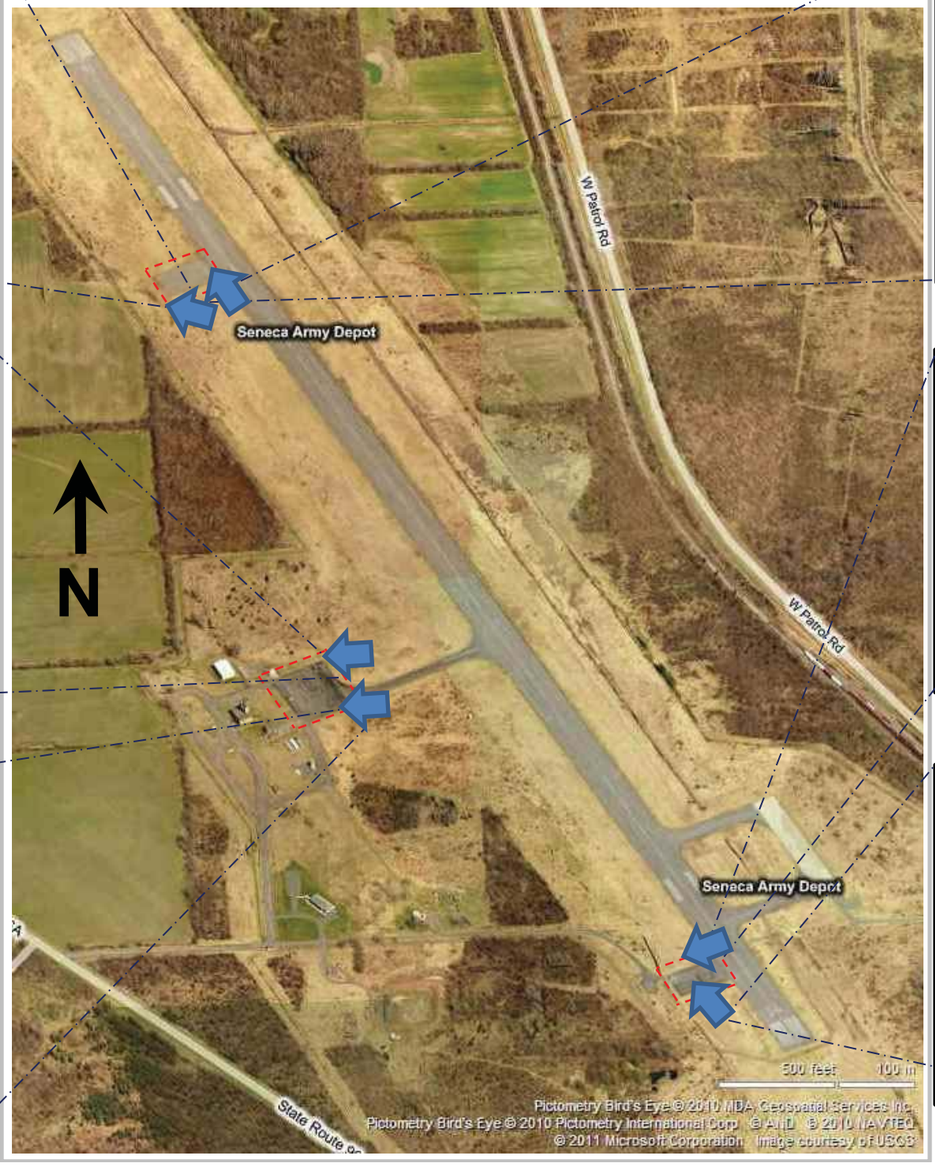
2014 Site Visit Photo 1 - 3

Status as of: 4/22/14 Photo ID: P4220135.JPG
Description: SEAD-122E

Status as of: 4/22/14 Photo ID: P4220127.JPG
Description: SEAD-122E

Status as of: 4/22/14 Photo ID: P4220121.JPG
Description: SEAD-122E

Bing.com (Microsoft) Birds Eye Aerial of SEAD-122E; actual date of aerial photo is unknown, but based on observable features at SEDA it may be from Spring 2007.



2014 Site Visit Photo 4 - 6

Status as of: 4/22/14 Photo ID: P4220137.JPG
Description: SEAD-122E

Status as of: 4/22/14 Photo ID: P4220121.JPG
Description: SEAD-122E, abandoned trailer homes in distance.

Status as of: 4/22/14 Photo ID: P4220125.JPG
Description: SEAD-122E

SEAD-122E is located within the Airfield Parcel.

Approximate Site Boundary

Photo Viewing Direction

SEDA Overall Map (no scale)

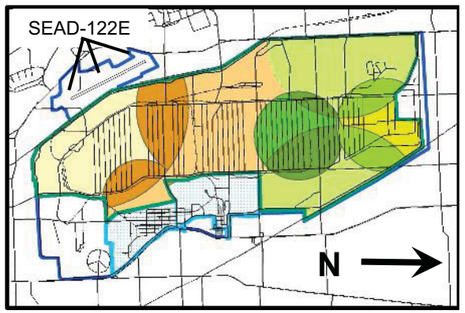


Figure B-21
2014 LUC Inspection - Site Visit Photo Log
Ash Landfill Operable Unit including SEADs 3, 6, 8, 14, & 15

PROJECT: Seneca Army Depot LUC Inspection
PROJECT #: 7478662

LOCATION: Ash Landfill, Seneca Army Depot
CLIENT: U.S. Army Corp of Engineers

Ash Landfill is located within the Development Reserve/Training Area Parcel.

Approximate Site Boundary

Photo Viewing Direction

2014 Site Visit Photo 1

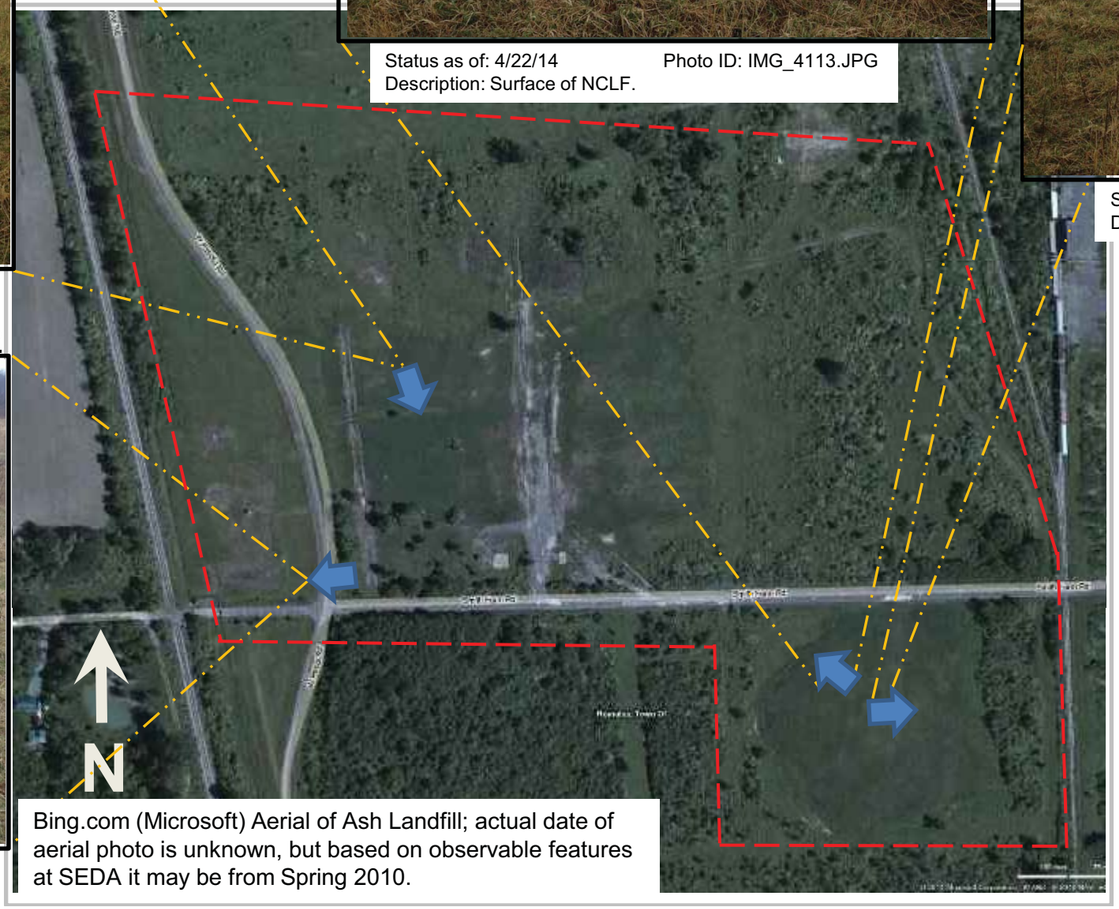
Status as of: 4/22/14 Photo ID: IMG_4109.JPG
Description: View of a LTM well, Ash Landfill.

2014 Site Visit Photo 2

Status as of: 4/22/14 Photo ID: P4220107.JPG
Description: Area near well PT-17.

2014 Site Visit Photo 3

Status as of: 4/22/14 Photo ID: IMG_4113.JPG
Description: Surface of NCLF.



Bing.com (Microsoft) Aerial of Ash Landfill; actual date of aerial photo is unknown, but based on observable features at SEDA it may be from Spring 2010.

2014 Site Visit Photo 4

Status as of: 4/22/14 Photo ID: IMG_4111.JPG
Description: Surface of NCLF.

Ash Landfill Operable Unit consists of:
- SEAD-3 Incinerator Cooling Water Pond
- SEAD-6 Abandoned Ash Landfill
- SEAD-8 Non-Combustible Fill Area
- SEAD-14 Refuse Burning Pits (2 units)
- SEAD-15 Abandoned Solid Waste Incinerator Building

SEDA Overall Map (no scale)

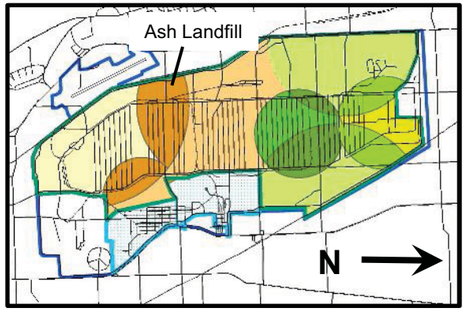


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Figure B-21
2014 LUC Inspection - Site Visit Photo Log
Ash Landfill Operable Unit including SEADs 3, 6, 8, 14, & 15

PROJECT: Seneca Army Depot LUC Inspection
PROJECT #: 748662

LOCATION: Ash Landfill, Seneca Army Depot
CLIENT: U.S. Army Corp of Engineers

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2014 Site Visit Photo 5

Status as of: 4/22/14 Photo ID: IMG_4117.JPG
Description: Looking east across portion of Ash Landfill at well MW-40.

2014 Site Visit Photo 6

Status as of: 4/22/14 Photo ID: P4220110.JPG
Description: Area of ZVI wall. Looking north towards well PT-24.

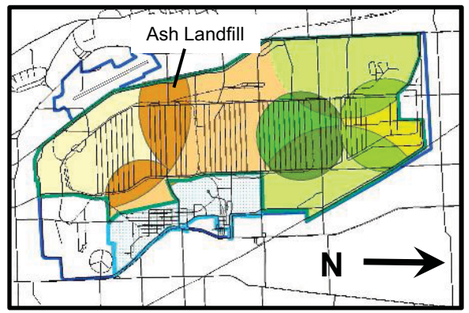
Ash Landfill is located within the Development Reserve/Training Area Parcel.

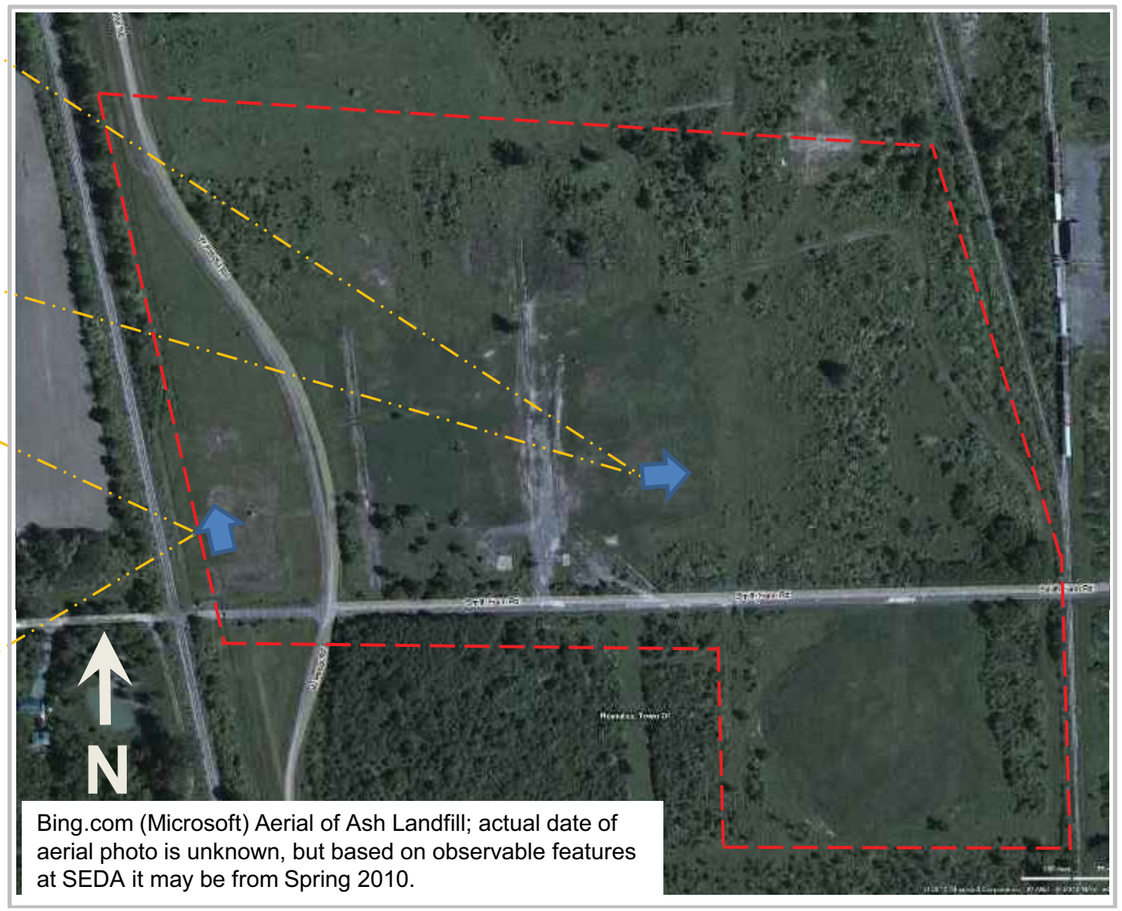
Approximate Site Boundary

Photo Viewing Direction

Ash Landfill Operable Unit consists of:
- SEAD-3 Incinerator Cooling Water Pond
- SEAD-6 Abandoned Ash Landfill
- SEAD-8 Non-Combustible Fill Area
- SEAD-14 Refuse Burning Pits (2 units)
- SEAD-15 Abandoned Solid Waste Incinerator Building

SEDA Overall Map (no scale)





Bing.com (Microsoft) Aerial of Ash Landfill; actual date of aerial photo is unknown, but based on observable features at SEDA it may be from Spring 2010.

Figure B-22
2014 LUC Inspection - Site Visit Photo Log
SEAD-41 Building 718 Boiler Plant Blowdown Leaching Pit

PROJECT: Seneca Army Depot LUC Inspection
PROJECT #: 748662

LOCATION: SEAD-41, Seneca Army Depot
CLIENT: U.S. Army Corp of Engineers

2014 Site Visit Photo 1

Status as of: 4/22/14 Photo ID: P4220140.JPG
Description: SEAD-41

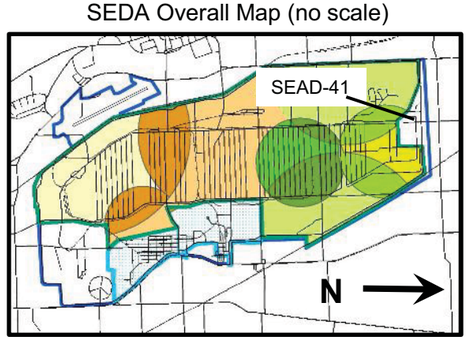
Approximate Site Boundary

Photo Viewing Direction

SEAD-41 is located within the Institutional /Training Area Parcel.

Bing.com (Microsoft) Aerial of SEAD-41; actual date of aerial photo is unknown, but based on observable features at SEDA it may be from Spring 2010.

SEDA Overall Map (no scale)



2014 Site Visit Photo 2

Status as of: 4/22/14 Photo ID: P4220139.JPG
Description: SEAD-41

2014 Site Visit Photo 3

Status as of: 4/22/14 Photo ID: P4220144.JPG
Description: SEAD-41

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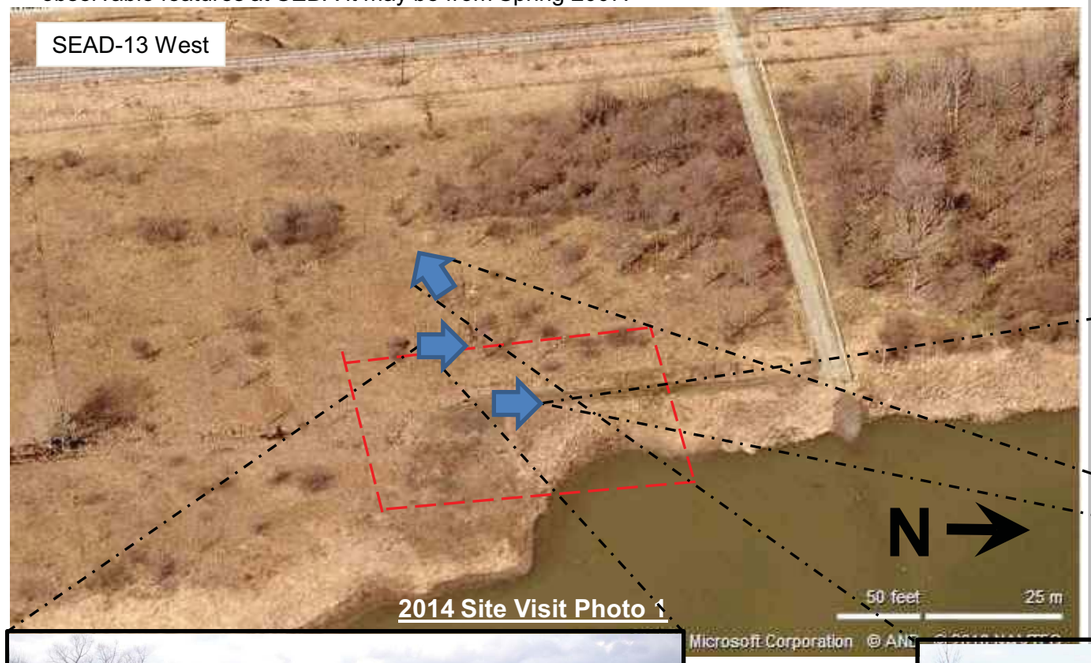
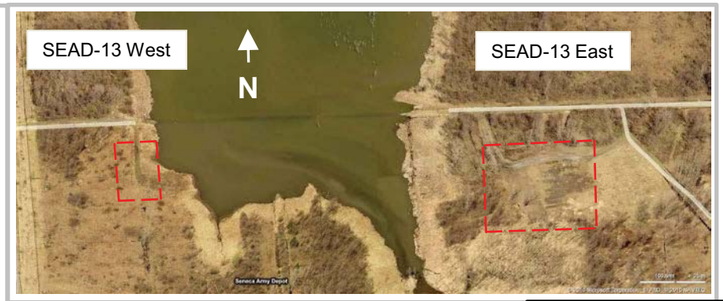
Figure B-23
2014 LUC Inspection - Site Visit Photo Log
SEAD-13 Inhibited Red Fuming Nitric Acid (IRFNA) Disposal Site

PROJECT: Seneca Army Depot LUC Inspection
PROJECT #: 748662

LOCATION: SEAD-13, Seneca Army Depot
CLIENT: U.S. Army Corp of Engineers

Bing.com (Microsoft) Aerial of SEAD-13 West; actual date of aerial photo is unknown, but based on observable features at SEDA it may be from Spring 2007.





SEAD-13 is located within the Conservation Area Parcel.

Approximate Site Boundary

Photo Viewing Direction

2014 Site Visit Photo 1

Status as of: 4/22/14 Photo ID: P4220127.JPG
Description: SEAD-13

2014 Site Visit Photo 2

Status as of: 4/22/14 Photo ID: P4220150.JPG
Description: SEAD-13

2014 Site Visit Photo 3

Status as of: 4/22/14 Photo ID: P4220153.JPG
Description: SEAD-13

SEDA Overall Map (no scale)

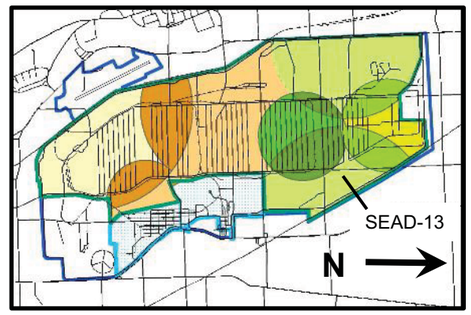


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Figure B-23
2014 LUC Inspection - Site Visit Photo Log
SEAD-13 Inhibited Red Fuming Nitric Acid (IRFNA) Disposal Site

PROJECT: Seneca Army Depot LUC Inspection
PROJECT #: 748662

LOCATION: SEAD-13, Seneca Army Depot
CLIENT: U.S. Army Corp of Engineers

2014 Site Visit Photo 4

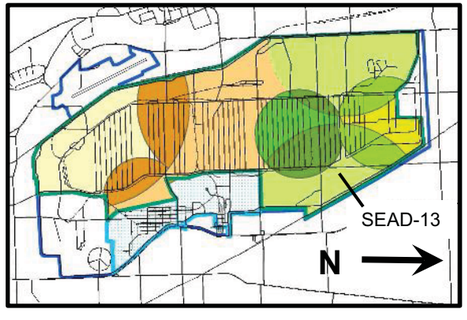
Status as of: 4/22/14 Photo ID: P4220174.JPG
Description: SEAD-13

Bing.com (Microsoft) Birds Eye Aerial of SEAD-13 East; actual date of aerial photo is unknown, but based on observable features at SEDA it may be from Spring 2007.

2014 Site Visit Photo 5

Status as of: 4/22/14 Photo ID: P4220170.JPG
Description: SEAD-13

SEDA Overall Map (no scale)



SEAD-13 is located within the Conservation Area Parcel.

Photo Viewing Direction

Approximate Site Boundary

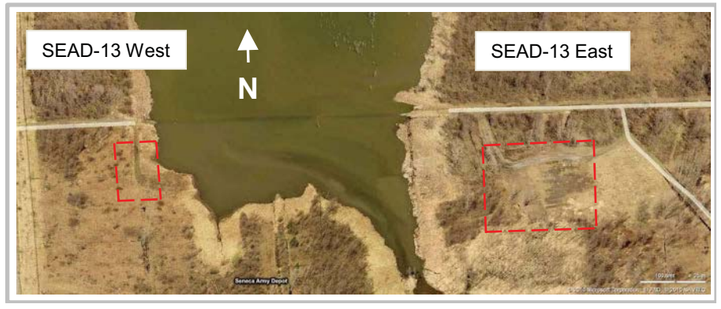


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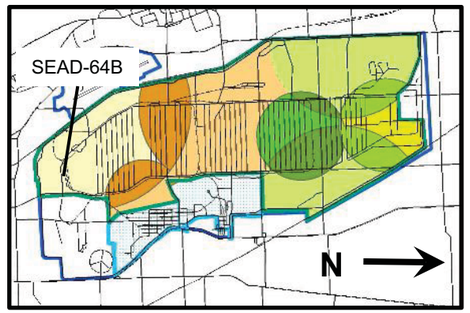
Figure B-24
2014 LUC Inspection - Site Visit Photo Log
SEAD-64B Garbage Disposal Area

PROJECT: Seneca Army Depot LUC Inspection
PROJECT #: 748662

LOCATION: SEAD-64B, Seneca Army Depot
CLIENT: U.S. Army Corp of Engineers

Approximate Site Boundary

Photo Viewing Direction



SEDA Overall Map
(no scale)

SEAD-64B is located within the Training Area Parcel.

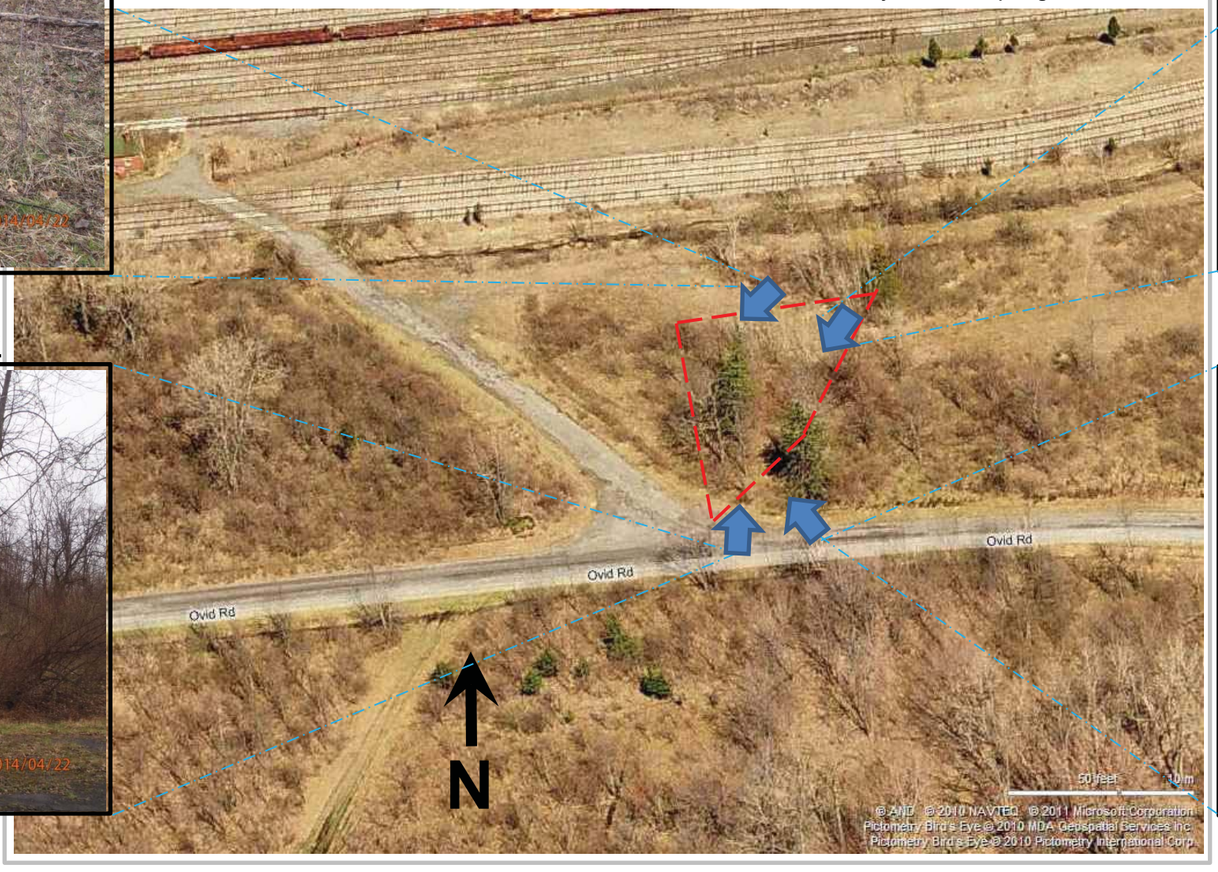
2014 Site Visit Photo 1

Status as of: 4/22/14 Photo ID: P4220090.JPG
Description: SEAD-64B

2014 Site Visit Photo 2

Status as of: 4/22/14 Photo ID: P4220087.JPG
Description: SEAD-64B

Bing.com (Microsoft) Birds Eye Aerial of SEAD-64B; actual date of aerial photo is unknown, but based on observable features at SEDA it may be from Spring 2007.



2014 Site Visit Photo 3

Status as of: 4/22/14 Photo ID: P4220089.JPG
Description: SEAD-64B

2014 Site Visit Photo 4

Status as of: 4/22/14 Photo ID: P4220088.JPG
Description: SEAD-64B

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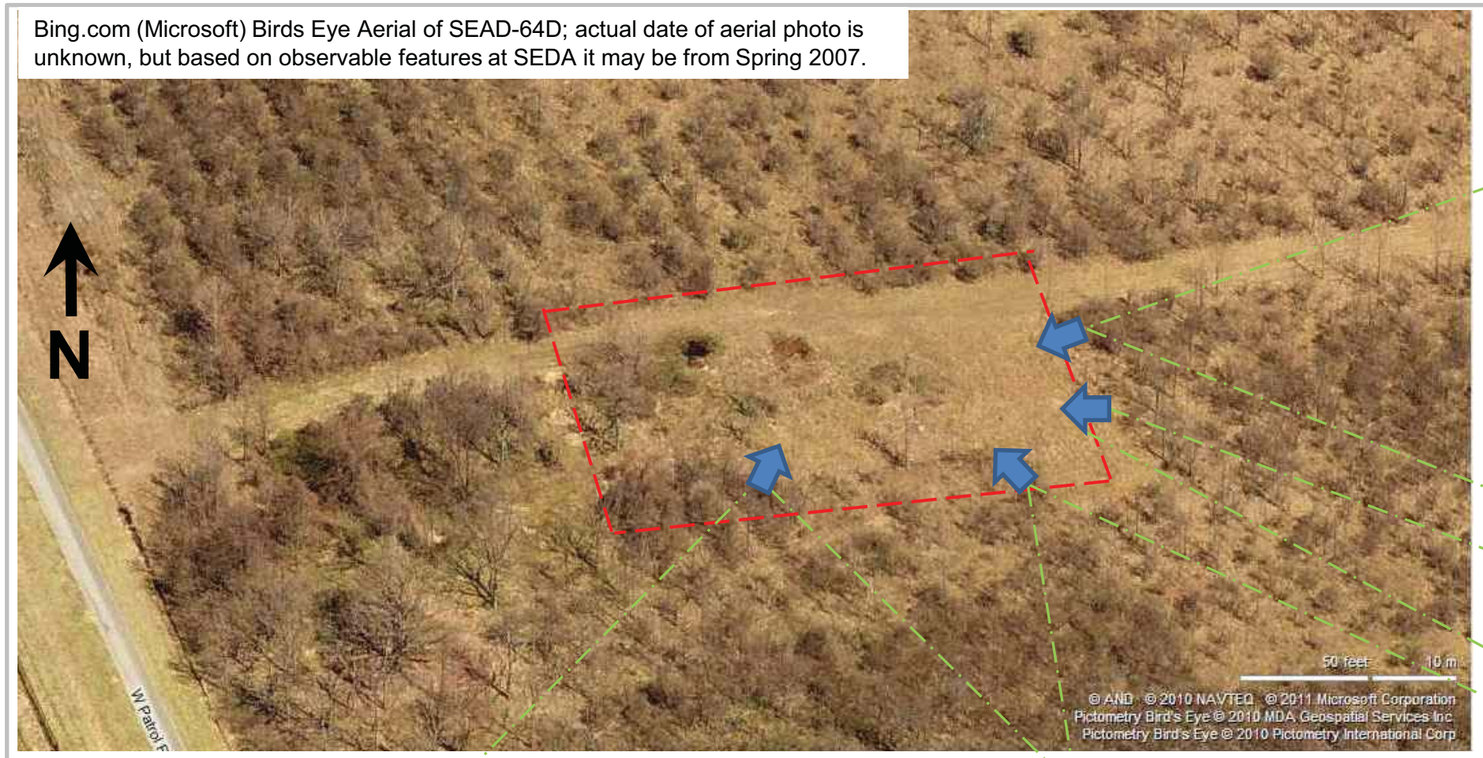
Figure B-25
2014 LUC Inspection - Site Visit Photo Log
SEAD-64D Garbage Disposal Area

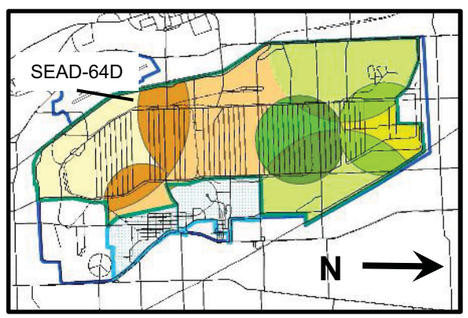
PROJECT: Seneca Army Depot LUC Inspection
PROJECT #: 748662

LOCATION: SEAD-64D, Seneca Army Depot
CLIENT: U.S. Army Corp of Engineers

Bing.com (Microsoft) Birds Eye Aerial of SEAD-64D; actual date of aerial photo is unknown, but based on observable features at SEDA it may be from Spring 2007.



SEDA Overall Map (no scale)



SEAD-64D is located within the Training Area Parcel.

2014 Site Visit Photo 1

Status as of: 4/22/14 Photo ID: IMG_4105.JPG
Description: SEAD-64D

2014 Site Visit Photo 2

Status as of: 4/22/14 Photo ID: P4220091.JPG
Description: SEAD-64D

2014 Site Visit Photo 3

Status as of: 4/22/14 Photo ID: IMG_4107.JPG
Description: SEAD-64D

2014 Site Visit Photo 4

Status as of: 4/22/14 Photo ID: P4220092.JPG
Description: SEAD-64D

Approximate Site Boundary

Photo Viewing Direction

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APPENDIX C
LUC INSPECTION FORMS

Starting front door - facing South
Dave ~3 photos
Brenden ~5 photos

SEDA LUC Inspections Site Inspection Checklist

I. SITE INFORMATION	
Site name: SEAD 1 - Hazardous Waste Container Storage Facility	**Date of inspection:** 4/22/2014 10:45AM
Location and Region: PID area	**EPA ID:** NY0213820830
Agency, office, or company leading the five-year review: Parsons	**Weather/temperature:** Light rain / 60°F
Inspector: Dave Babcock, PE	**Signature:** David Babcock

Remedy Includes: (Check all that apply)

- ☐ Landfill cover/containment
- ☐ Access controls
- ☑ Institutional controls – Restrictive Declaration, EWISE – confirmed visually
- ☐ Groundwater pump and treatment
- ☐ Surface water collection and treatment
- ☐ Other _____
- ☐ Monitored natural attenuation
- ☐ Groundwater containment
- ☐ Vertical barrier walls

Attachments: ☐Inspection team roster attached ☐ Site map attached

II. INTERVIEWS (Check all that apply)

1. **O&M site manager** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

2. **O&M staff** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

4. **Other interviews** (optional) ☐ Report attached.

SEDA LUC Inspections Site Inspection Checklist

Dave-1 photo looking SE
Boston ~ 2 photos

I. SITE INFORMATION

Site name: SEAD 2 - PCB Transformer Storage facility	**Date of inspection:** 4/22/2014 12 noon
Location and Region: PID area	**EPA ID:** NY0213820830
Agency, office, or company leading the five-year review: Parsons	**Weather/temperature:** Light rain 70°F
Inspector: Dave Babcock, PE	**Signature:** [signature]

Remedy Includes: (Check all that apply)

- ☐ Landfill cover/containment
- ☐ Access controls
- ☒ Institutional controls - no GW use, restricted devel. - OK visually
- ☐ Groundwater pump and treatment
- ☐ Surface water collection and treatment
- ☐ Other _____
- ☐ Monitored natural attenuation
- ☐ Groundwater containment
- ☐ Vertical barrier walls

Attachments: ☐Inspection team roster attached ☐ Site map attached

II. INTERVIEWS (Check all that apply)

1. **O&M site manager** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

2. **O&M staff** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

4. **Other interviews** (optional) ☐ Report attached.

SEDA LUC Inspections Site Inspection Checklist

Breeden ~ 7 photos
Dave - 2 photos

I. SITE INFORMATION	
Site name: SEAD 5 - Sewage Sludge Waste Piles	**Date of inspection:** 4/22/2014 9AM
Location and Region: PID area	**EPA ID:** NY0213820830
Agency, office, or company leading the five-year review: Parsons	**Weather/temperature:** 60°F/cloudy
Inspector: Dave Babcock, PE	**Signature:** Dave Babcock

Remedy Includes: (Check all that apply)

- ☑ Landfill cover/containment
- ☐ Access controls
- ☐ Institutional controls
- ☐ Groundwater pump and treatment
- ☐ Surface water collection and treatment
- ☑ Other Maintain cover - check for veg. restriction - stem thickness (No MWs seen) No development - ped. Cover in acceptable condition; NO signif. burrowing.
- ☐ Monitored natural attenuation
- ☐ Groundwater containment
- ☐ Vertical barrier walls

Attachments: ☐ Inspection team roster attached ☐ Site map attached

II. INTERVIEWS (Check all that apply)

1. **O&M site manager** _____ _____ _____
   Name Title Date
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

2. **O&M staff** _____ _____ _____
   Name Title Date
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

   Agency _____
   Contact _____ _____ _____ _____
   Name Title Date Phone no.
   Problems; suggestions; ☐ Report attached _____

   Agency _____
   Contact _____ _____ _____ _____
   Name Title Date Phone no.
   Problems; suggestions; ☐ Report attached _____

4. **Other interviews** (optional) ☐ Report attached.

Dave – 2 photos facing W + NW
Brendan – 8 photos

SEDA LUC Inspections Site Inspection Checklist

I. SITE INFORMATION

Site name: SEAD 16 - Abandoned Deactivation Furnaces	**Date of inspection:** 4/23/2014 8:15AM
Location and Region: PiD area	**EPA ID:** NY0213820830
Agency, office, or company leading the five-year review: Parsons	**Weather/temperature:** Light rain 37°F
Inspector: Dave Babcock, PE	**Signature:** Dave Babcock

Remedy Includes: (Check all that apply)

- ☐ Landfill cover/containment
- ☐ Access controls
- ☑ Institutional controls – GW use and deed restrictions – OK based on visual inspection
- ☐ Groundwater pump and treatment
- ☐ Surface water collection and treatment
- ☐ Other LTM ongoing. MW's locked and in good condition. One new small dirt pile observed. caps
- ☐ Monitored natural attenuation
- ☐ Groundwater containment
- ☑ Vertical barrier walls

Attachments: ☐ Inspection team roster attached ☐ Site map attached

II. INTERVIEWS (Check all that apply)

1. **O&M site manager** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

2. **O&M staff** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

4. **Other interviews** (optional) ☐ Report attached.

SEDA LUC Inspections Site Inspection Checklist

I. SITE INFORMATION	
Site name: SEAD 17 - Active Deactivation Furnaces	**Date of inspection:** 4/28/2014 8:30AM
Location and Region: PI Area	**EPA ID:** NY0213820830
Agency, office, or company leading the five-year review: Parsons	**Weather/temperature:** Light rain / 37°F
Inspector: Dave Babcock, PE	**Signature:** Dave Babcock

Remedy Includes: (Check all that apply)

- ☐ Landfill cover/containment
- ☐ Access controls
- ☑ Institutional controls - GW use and devel restrictions - OK based on visual inspection
- ☐ Groundwater pump and treatment
- ☐ Surface water collection and treatment
- ☐ Other MW caps locked, LTM is ongoing. MWs in good condition.
- ☐ Monitored natural attenuation
- ☐ Groundwater containment
- ☐ Vertical barrier walls

Attachments: ☐ Inspection team roster attached ☐ Site map attached

II. INTERVIEWS (Check all that apply)

1. **O&M site manager** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

2. **O&M staff** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

4. **Other interviews** (optional) ☐ Report attached.

SEDA LUC Inspections Site Inspection Checklist

Dave - 1 photo facing NW from southern 1/3 Broken w 7 photos

I. SITE INFORMATION

Site name: SEAD 25 - Fire Demonstration Pad	**Date of inspection:** 4/22/2014 9:40AM
Location and Region: PID area	**EPA ID: NY0213820830**
Agency, office, or company leading the five-year review: Parsons	**Weather/temperature:** Cloudy / 60°F
Inspector: Dave Babcock, PE	**Signature:** [signature]

Remedy Includes: (Check all that apply)

- ☐ Landfill cover/containment
- ☐ Access controls
- ☑ Institutional controls – prohibit certain land use.
- ☐ Groundwater pump and treatment
- ☐ Surface water collection and treatment
- ☑ Other GW LTM – locks in place @ MWs and MWs in good condition. GW use restriction – OK based on visual inspection
- ☐ Monitored natural attenuation
- ☐ Groundwater containment
- ☐ Vertical barrier walls

Attachments: ☐ Inspection team roster attached ☐ Site map attached

II. INTERVIEWS (Check all that apply)

1. **O&M site manager** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

2. **O&M staff** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

4. **Other interviews** (optional) ☐ Report attached.

SEDA LUC Inspections Site Inspection Checklist

Braden w/ photos

I. SITE INFORMATION

Site name: SEAD 26 - Fire Training Area	**Date of inspection:** 4/22/2014 11:40AM
Location and Region: PID area	**EPA ID:** NY0213820830
Agency, office, or company leading the five-year review: Parsons	**Weather/temperature:** Light rain/68°F
Inspector: Dave Babcock, PE	**Signature:** Dave Babcock

Remedy Includes: (Check all that apply)

- ☐ Landfill cover/containment
- ☐ Access controls
- ☑ Institutional controls - no GW use, restricted deed - OK visually
- ☐ Groundwater pump and treatment
- ☐ Surface water collection and treatment
- ☐ Other MWS property abandoned in 2009-2010 per Braden.
- ☐ Monitored natural attenuation
- ☐ Groundwater containment
- ☐ Vertical barrier walls

Attachments: ☐ Inspection team roster attached ☐ Site map attached

II. INTERVIEWS (Check all that apply)

1. **O&M site manager** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

2. **O&M staff** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

4. **Other interviews** (optional) ☐ Report attached.

SEDA LUC Inspections Site Inspection Checklist

I. SITE INFORMATION	
Site name: SEAD 27 - Steam Jenny Pit	**Date of inspection:** 4/22/2014 10:45AM
Location and Region: PID area	**EPA ID: NY0213820830**
Agency, office, or company leading the five-year review: Parsons	**Weather/temperature:** Light rain/65°F
Inspector: Dave Babcock, PE	**Signature:** [signature]

Remedy Includes: (Check all that apply)

- ☐ Landfill cover/containment
- ☐ Access controls
- ☑ Institutional controls - GW and USG certain dated not allowed - OK visually
- ☐ Groundwater pump and treatment
- ☐ Surface water collection and treatment
- ☐ Other ______
- ☐ Monitored natural attenuation
- ☐ Groundwater containment
- ☐ Vertical barrier walls

Attachments: ☐ Inspection team roster attached ☐ Site map attached

II. INTERVIEWS (Check all that apply)

1. **O&M site manager** ______ ______ ______
   Name Title Date
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. ______
   Problems, suggestions; ☐ Report attached ______

2. **O&M staff** ______ ______ ______
   Name Title Date
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. ______
   Problems, suggestions; ☐ Report attached ______

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

   Agency ______
   Contact ______ ______ ______ ______
   Name Title Date Phone no.
   Problems; suggestions; ☐ Report attached ______

   Agency ______
   Contact ______ ______ ______ ______
   Name Title Date Phone no.
   Problems; suggestions; ☐ Report attached ______

4. **Other interviews** (optional) ☐ Report attached.

SEDA LUC Inspections Site Inspection Checklist

Photos taken by both Brandon & Dave.

I. SITE INFORMATION

Site name: SEAD 39 - Building 121 Boiler Blow Down Pit	**Date of inspection:** 4/22/2014 8:40AM
Location and Region: PID area	**EPA ID:** NY0213820830
Agency, office, or company leading the five-year review: Parsons	**Weather/temperature:** 60's F Cloudy, 55 F
Inspector: Dave Babcock, PE	**Signature:**

Remedy Includes: (Check all that apply)

- ☐ Landfill cover/containment
- ☐ Access controls
- ☐ Institutional controls
- ☐ Groundwater pump and treatment
- ☐ Surface water collection and treatment
- ☐ Monitored natural attenuation
- ☐ Groundwater containment
- ☐ Vertical barrier walls
- ☑ Other GW use restriction, no deed → all OK based on visual inspection

Attachments: ☐ Inspection team roster attached ☐ Site map attached

II. INTERVIEWS (Check all that apply)

1. **O&M site manager** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

2. **O&M staff** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

4. **Other interviews** (optional) ☐ Report attached.

SEDA LUC Inspections Site Inspection Checklist Photos -

I. SITE INFORMATION	
Site name: SEAD 40 - Building 319 Boiler Blow Down Pit	**Date of inspection:** 4/22/2014 11:10AM
Location and Region: PID area	**EPA ID:** NY0213820830
Agency, office, or company leading the five-year review: Parsons	**Weather/temperature:** Cloudy 64°F
Inspector: Dave Babcock, PE	**Signature:** Dave Babcock

Remedy Includes: (Check all that apply)

- ☐ Landfill cover/containment
- ☐ Access controls
- ☑ Institutional controls – GW use restrictions - OK visually
- ☐ Groundwater pump and treatment
- ☐ Surface water collection and treatment
- ☐ Other _____
- ☐ Monitored natural attenuation
- ☐ Groundwater containment
- ☐ Vertical barrier walls

Attachments: ☐Inspection team roster attached ☐ Site map attached

II. INTERVIEWS (Check all that apply)

1. **O&M site manager** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

2. **O&M staff** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

4. **Other interviews** (optional) ☐ Report attached.

SEDA LUC Inspections Site Inspection Checklist

Brenton ~ 5 photos
Dave 1 photo from E facing W

I. SITE INFORMATION	
Site name: SEAD-59 - Fill Area West Of Building 135	**Date of inspection:** 4/22/2014 9:15AM
Location and Region: PID area	**EPA ID: NY0213820830**
Agency, office, or company leading the five-year review: Parsons	**Weather/temperature:** 60°F/cloudy
Inspector: Dave Babcock, PE	**Signature:**

Remedy Includes: (Check all that apply)

- ☐ Landfill cover/containment
- ☐ Access controls
- ☐ Institutional controls
- ☐ Groundwater pump and treatment
- ☐ Surface water collection and treatment
- ☐ Monitored natural attenuation
- ☐ Groundwater containment
- ☐ Vertical barrier walls
- ☑ Other Prohibit land, GW use restrictions - OK visually (NO MWs) soon
  Remedy intact.

Attachments: ☐Inspection team roster attached ☐ Site map attached

II. INTERVIEWS (Check all that apply)

1. **O&M site manager** _____ _____ _____
   Name Title Date
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

2. **O&M staff** _____ _____ _____
   Name Title Date
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

   Agency _____
   Contact _____ _____ _____ _____
   Name Title Date Phone no.
   Problems; suggestions; ☐ Report attached _____

   Agency _____
   Contact _____ _____ _____ _____
   Name Title Date Phone no.
   Problems; suggestions; ☐ Report attached _____

4. **Other interviews** (optional) ☐ Report attached.

SEDA LUC Inspections Site Inspection Checklist

I. SITE INFORMATION	
Site name: SEAD-64A - Garbage Disposal Area	**Date of inspection:** 4/22/2014 12:15PM
Location and Region: PID area	**EPA ID: NY0213820830**
Agency, office, or company leading the five-year review: Parsons	**Weather/temperature:** Light rain / 68°F
Inspector: Dave Babcock, PE	**Signature:**

Remedy Includes: (Check all that apply)

- ☐ Landfill cover/containment
- ☐ Access controls
- ☑ Institutional controls – no GW use, restrict devel, no excavation – OK visually
- ☐ Groundwater pump and treatment
- ☐ Surface water collection and treatment
- ☐ Other ______
- ☐ Monitored natural attenuation
- ☐ Groundwater containment
- ☐ Vertical barrier walls

Attachments: ☐ Inspection team roster attached ☐ Site map attached

II. INTERVIEWS (Check all that apply)

1. **O&M site manager** ______ ______ ______
   Name Title Date
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. ______
   Problems, suggestions; ☐ Report attached ______

2. **O&M staff** ______ ______ ______
   Name Title Date
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. ______
   Problems, suggestions; ☐ Report attached ______

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

   Agency ______
   Contact ______ ______ ______ ______
   Name Title Date Phone no.
   Problems; suggestions; ☐ Report attached ______

   Agency ______
   Contact ______ ______ ______ ______
   Name Title Date Phone no.
   Problems; suggestions; ☐ Report attached ______

4. **Other interviews** (optional) ☐ Report attached.

Dave-2 photos from center: 1 facing N, 1 facing S
Brendan-

SEDA LUC Inspections Site Inspection Checklist

I. SITE INFORMATION	
Site name: SEAD-66 - Pesticide Storage Area	**Date of inspection:** 4/22/2014 3:50PM
Location and Region: PID area	**EPA ID: NY0213820830**
Agency, office, or company leading the five-year review: Parsons	**Weather/temperature:** Partly cloudy/60°F
Inspector: Dave Babcock, PE	**Signature:** Dave Babcock

Remedy Includes: (Check all that apply)

- ☐ Landfill cover/containment
- ☐ Access controls
- ☑ Institutional controls – GW use restriction, prohibit certain development – OK based on visual inspection
- ☐ Groundwater pump and treatment
- ☐ Surface water collection and treatment
- ☐ Other _____
- ☐ Monitored natural attenuation
- ☐ Groundwater containment
- ☐ Vertical barrier walls

Attachments: ☐Inspection team roster attached ☐ Site map attached

II. INTERVIEWS (Check all that apply)

1. **O&M site manager** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

2. **O&M staff** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

4. **Other interviews** (optional) ☐ Report attached.

SEDA LUC Inspections Site Inspection Checklist

Dave-2photos
Brendan 12 photos

I. SITE INFORMATION	
Site name: **SEAD-67 - Dump Site East of Sewage Treatment Plant No. 4**	**Date of inspection:** 4/22/2014 2PM
Location and Region: PID area	**EPA ID: NY0213820830**
Agency, office, or company leading the five-year review: Parsons	**Weather/temperature:** Partly cloudy/64°F
Inspector: Dave Babcock, PE	**Signature:** [signature]

Remedy Includes: (Check all that apply)

- ☐ Landfill cover/containment
- ☐ Access controls
- ☑ Institutional controls – GW use restriction, development restriction – OK – no devel or wells apparent based on visual inspection
- ☐ Groundwater pump and treatment
- ☐ Surface water collection and treatment
- ☐ Other ______
- ☐ Monitored natural attenuation
- ☐ Groundwater containment
- ☐ Vertical barrier walls

Attachments: ☐ Inspection team roster attached ☐ Site map attached

II. INTERVIEWS (Check all that apply)

1. **O&M site manager** ______ ______ ______
   Name Title Date
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. ______
   Problems, suggestions; ☐ Report attached ______

2. **O&M staff** ______ ______ ______
   Name Title Date
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. ______
   Problems, suggestions; ☐ Report attached ______

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

   Agency ______
   Contact ______ ______ ______ ______
   Name Title Date Phone no.
   Problems; suggestions; ☐ Report attached ______

   Agency ______
   Contact ______ ______ ______ ______
   Name Title Date Phone no.
   Problems; suggestions; ☐ Report attached ______

4. **Other interviews** (optional) ☐ Report attached.

SEDA LUC Inspections Site Inspection Checklist

Broaden w 4 photos
Dave 1 photo looking E

I. SITE INFORMATION	
Site name: SEAD-71 - Alleged Paint Disposal Area	**Date of inspection:** 4/22/2014 9:30AM
Location and Region: PID area	**EPA ID:** NY0213820830
Agency, office, or company leading the five-year review: Parsons	**Weather/temperature:** Cloudy/60°F
Inspector: Dave Babcock, PE	**Signature:**

Remedy Includes: (Check all that apply)

- ☐ Landfill cover/containment
- ☐ Access controls
- ☐ Institutional controls
- ☐ Groundwater pump and treatment
- ☐ Surface water collection and treatment
- ☐ Monitored natural attenuation
- ☐ Groundwater containment
- ☐ Vertical barrier walls
- ☑ Other GW use restriction, no development – OK visually Remedy being suitably implemented

Attachments: ☐Inspection team roster attached ☐ Site map attached

II. INTERVIEWS (Check all that apply)

1. **O&M site manager** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

2. **O&M staff** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

4. **Other interviews** (optional) ☐ Report attached.

Dave 2 photos Check to Brendan ~ 6 photos SW/NE

SEDA LUC Inspections Site Inspection Checklist

I. SITE INFORMATION

Site name: SEAD-121C: Defense Reutilization and Marketing Office (DRMO) Yard	**Date of inspection:** ~~4~~ 4/22/2014 11AM
Location and Region: PID area	**EPA ID:** NY0213820830
Agency, office, or company leading the five-year review: Parsons	**Weather/temperature:** Light rain, 60°F
Inspector: Dave Babcock, PE	**Signature:**

Remedy Includes: (Check all that apply)

- ☐ Landfill cover/containment
- ☐ Access controls
- ☑ Institutional controls – GW use restricted, certain devel restricted – OK visually
- ☐ Groundwater pump and treatment
- ☐ Surface water collection and treatment
- ☐ Other _____
- ☐ Monitored natural attenuation
- ☐ Groundwater containment
- ☐ Vertical barrier walls

Attachments: ☐ Inspection team roster attached ☐ Site map attached

II. INTERVIEWS (Check all that apply)

1. **O&M site manager** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

2. **O&M staff** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

4. **Other interviews** (optional) ☐ Report attached.

SEDA LUC Inspections Site Inspection Checklist

Brenden ~ 5+2 photos

I. SITE INFORMATION	
Site name: SEAD-121I: Rumored Cosmoline Oil Disposal Area	**Date of inspection:** 4/22/2014 11:30AM
Location and Region: PID area	**EPA ID:** NY0213820830
Agency, office, or company leading the five-year review: Parsons	**Weather/temperature:** Light rain 60°F
Inspector: Dave Babcock, PE	**Signature:** Dave Babcock

Remedy Includes: (Check all that apply)

- ☐ Landfill cover/containment
- ☐ Access controls
- ☑ Institutional controls - GW use, certain devel not allowed - OK visually - no recent developmt - open area
- ☐ Groundwater pump and treatment
- ☐ Surface water collection and treatment
- ☐ Other _____
- ☐ Monitored natural attenuation
- ☐ Groundwater containment
- ☐ Vertical barrier walls

Attachments: ☐ Inspection team roster attached ☐ Site map attached

II. INTERVIEWS (Check all that apply)

1. **O&M site manager** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

2. **O&M staff** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

4. **Other interviews** (optional) ☐ Report attached.

SEDA LUC Inspections Site Inspection Checklist

No photos

I. SITE INFORMATION

Site name: SEAD-43 Building 606 Old Missile Propellant Test Laboratory	**Date of inspection:** 4/22/2014 10:15AM
Location and Region: Prison Area	**EPA ID:** NY0213820830
Agency, office, or company leading the five-year review: Parsons	**Weather/temperature:**
Inspector: Dave Babcock, PE	**Signature:**

Remedy Includes: (Check all that apply)

- ☐ Landfill cover/containment
- ☐ Access controls
- ☑ Institutional controls – prison parcel reversionary deed – OK Still part of prison area per Mr. Murphy
- ☐ Groundwater pump and treatment
- ☐ Surface water collection and treatment
- ☐ Other _____
- ☐ Monitored natural attenuation
- ☐ Groundwater containment
- ☐ Vertical barrier walls

Attachments: ☐ Inspection team roster attached ☐ Site map attached

II. INTERVIEWS (Check all that apply)

1. **O&M site manager** J. Murphy (Name) Plant Supt (Title) 4/22/2014 (Date)
   Interviewed ☐ at site ☑ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

2. **O&M staff** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

4. **Other interviews** (optional) ☐ Report attached.

SEDA LUC Inspections Site Inspection Checklist

No photos

I. SITE INFORMATION	
Site name: **SEAD-44A- Quality Assurance Test Laboratory, West of Building 616**	**Date of inspection:** 4/22/2014 10:20 AM
Location and Region: Prison Area	**EPA ID: NY0213820830**
Agency, office, or company leading the five-year review: Parsons	**Weather/temperature:**
Inspector: Dave Babcock, PE	**Signature:** [signature]

Remedy Includes: (Check all that apply)

- ☐ Landfill cover/containment
- ☐ Access controls
- ☑ Institutional controls – prison area reversionary deed - OK per Mr. Minnerly
- ☐ Groundwater pump and treatment
- ☐ Surface water collection and treatment
- ☐ Other Found ordnance during construction - field was munitions disposal area, fenced.
- ☐ Monitored natural attenuation
- ☐ Groundwater containment
- ☐ Vertical barrier walls

Attachments: ☐ Inspection team roster attached ☐ Site map attached

II. INTERVIEWS (Check all that apply)

1. **O&M site manager** J. Minnerly — Plant Supt — 4/22/2014
   Name / Title / Date
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. ______
   Problems, suggestions; ☐ Report attached ______

2. **O&M staff** ______ ______ ______
   Name / Title / Date
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. ______
   Problems, suggestions; ☐ Report attached ______

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

   Agency ______
   Contact ______ ______ ______ ______
   Name / Title / Date / Phone no.
   Problems; suggestions; ☐ Report attached ______

   Agency ______
   Contact ______ ______ ______ ______
   Name / Title / Date / Phone no.
   Problems; suggestions; ☐ Report attached ______

4. **Other interviews** (optional) ☐ Report attached.

SEDA LUC Inspections Site Inspection Checklist

No photos

I. SITE INFORMATION

Site name: SEAD-44B Quality Assurance Test Laboratory, Brady Road	**Date of inspection:** 4/22/2014 10:15AM
Location and Region: Prison area	**EPA ID:** NY0213820830
Agency, office, or company leading the five-year review: Parsons	**Weather/temperature:**
Inspector: Dave Babcock, PE	**Signature:** Dave Babcock

Remedy Includes: (Check all that apply)

- ☐ Landfill cover/containment
- ☐ Access controls
- ☑ Institutional controls – Prison area reversionary deed-OK per Mr. Minerly
- ☐ Groundwater pump and treatment
- ☐ Surface water collection and treatment
- ☐ Other Not fenced, confirmed via interview Site part of correctional facility
- ☐ Monitored natural attenuation
- ☐ Groundwater containment
- ☐ Vertical barrier walls

Attachments: ☐ Inspection team roster attached ☐ Site map attached

II. INTERVIEWS (Check all that apply)

1. **O&M site manager** J. Minerly (Name) Plant Supt (Title) 4/22/2014 (Date)
   Interviewed ☐ at site ☑ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

2. **O&M staff** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

4. **Other interviews** (optional) ☐ Report attached.

SEDA LUC Inspections Site Inspection Checklist

No photos

I. SITE INFORMATION

Site name: SEAD-52 – Building 608 AND 612 Ammunition Breakdown Area	**Date of inspection:** 4/22/2014 10 AM
Location and Region: Prison Area	**EPA ID:** NY0213820830
Agency, office, or company leading the five-year review: Parsons	**Weather/temperature:**
Inspector: Dave Babcock, PE	**Signature:**

Remedy Includes: (Check all that apply)

- ☐ Landfill cover/containment
- ☐ Access controls
- ☑ Institutional controls – prison parcel reversionary deed – OK
- ☐ Groundwater pump and treatment
- ☐ Surface water collection and treatment
- ☐ Monitored natural attenuation
- ☐ Groundwater containment
- ☐ Vertical barrier walls
- ☐ Other Still part of correctional facility per Mr. Minnerly

Attachments: ☐Inspection team roster attached ☐ Site map attached

II. INTERVIEWS (Check all that apply)

1. **O&M site manager** J. Minnerly (Name) Plant Sup't (Title) 4/22/2014 (Date)
   Interviewed ☐ at site ☑ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

2. **O&M staff** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

4. **Other interviews** (optional) ☐ Report attached.

SEDA LUC Inspections Site Inspection Checklist

No photos

I. SITE INFORMATION

Site name: SEAD-56 Building 606 Herbicide and Pesticide Storage	**Date of inspection:** 4/22/14 10:15AM
Location and Region: Prison Area	**EPA ID:** NY0213820830
Agency, office, or company leading the five-year review: Parsons	**Weather/temperature:**
Inspector: Dave Babcock, PE	**Signature:**

Remedy Includes: (Check all that apply)

- ☐ Landfill cover/containment
- ☐ Access controls
- ☑ Institutional controls — prison parcel reversionary deed — OK
- ☐ Groundwater pump and treatment
- ☐ Surface water collection and treatment
- ☐ Other Still part of prison area per Mr. Mnnedy
- ☐ Monitored natural attenuation
- ☐ Groundwater containment
- ☐ Vertical barrier walls

Attachments: ☐ Inspection team roster attached ☐ Site map attached

II. INTERVIEWS (Check all that apply)

1. **O&M site manager** J. Mnnedy (Name) Plat Sup't (Title) 4/22/2014 (Date)
   Interviewed ☐ at site ☑ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

2. **O&M staff** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

4. **Other interviews** (optional) ☐ Report attached.

SEDA LUC Inspections Site Inspection Checklist

No photos

I. SITE INFORMATION

Site name: SEAD-62 - Nicotine Sulfate Disposal Area near Building 606 and 612	**Date of inspection:** 4/22/2014 KA/M
Location and Region: Canestota Facility/prison area	**EPA ID:** NY0213820830
Agency, office, or company leading the five-year review: Parsons	**Weather/temperature:** light rain 60°F
Inspector: Dave Babcock, PE	**Signature:** Dave Babcock

Remedy Includes: (Check all that apply)

- ☐ Landfill cover/containment
- ☐ Access controls
- ☑ Institutional controls — still part of Canestota Facility OK per Mr. Minnerly
- ☐ Groundwater pump and treatment
- ☐ Surface water collection and treatment
- ☐ Other Pole barn closed
- ☐ Monitored natural attenuation
- ☐ Groundwater containment
- ☐ Vertical barrier walls

Attachments: ☐ Inspection team roster attached ☐ Site map attached

II. INTERVIEWS (Check all that apply)

1. **O&M site manager** J. Minnerly (Name) Plant Supt (Title) 4/22/2014 (Date)
   Interviewed ☐ at site ☑ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

2. **O&M staff** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

4. **Other interviews** (optional) ☐ Report attached.

SEDA LUC Inspections Site Inspection Checklist

No photos

I. SITE INFORMATION

Site name: SEAD-64C - Garbage Disposal Area, Proposed Landfill Site	**Date of inspection:** 4/22/2014 10AM
Location and Region: Correctional facility	**EPA ID:** NY0213820830
Agency, office, or company leading the five-year review: Parsons	**Weather/temperature:** Cloudy - light rain 60°F
Inspector: Dave Babcock, PE	**Signature:**

Remedy Includes: (Check all that apply)

- ☐ Landfill cover/containment
- ☐ Access controls
- ☑ Institutional controls – still part of correctional facility/prison area - OK
- ☐ Groundwater pump and treatment
- ☐ Surface water collection and treatment
- ☐ Other _____
- ☐ Monitored natural attenuation
- ☐ Groundwater containment
- ☐ Vertical barrier walls

Attachments: ☐ Inspection team roster attached ☐ Site map attached

II. INTERVIEWS (Check all that apply)

1. **O&M site manager** T. Mimeault (Name) Plant Supt (Title) 4/22/2014 (Date)
   Interviewed ☐ at site ☑ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

2. **O&M staff** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

4. **Other interviews** (optional) ☐ Report attached.

SEDA LUC Inspections Site Inspection Checklist

NB photos

I. SITE INFORMATION

Site name: SEAD-69 Building 606 Disposal Area	**Date of inspection:** 4/22/2014 10:20AM
Location and Region: Prison Area	**EPA ID:** NY0213820830
Agency, office, or company leading the five-year review: Parsons	**Weather/temperature:**
Inspector: Dave Babcock, PE	**Signature:**

Remedy Includes: (Check all that apply)

- ☐ Landfill cover/containment
- ☐ Access controls
- ☑ Institutional controls – prison parcel reversionary deed – OK still part of prison area per Mr. Minerly
- ☐ Groundwater pump and treatment
- ☐ Surface water collection and treatment
- ☐ Other _____
- ☐ Monitored natural attenuation
- ☐ Groundwater containment
- ☐ Vertical barrier walls

Attachments: ☐ Inspection team roster attached ☐ Site map attached

II. INTERVIEWS (Check all that apply)

1. **O&M site manager** J. Minerly (Name) Plant Supt (Title) 4/22/2014 (Date)
   Interviewed ☐ at site ☑ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

2. **O&M staff** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

4. **Other interviews** (optional) ☐ Report attached.

SEDA LUC Inspections Site Inspection Checklist

Brandon w/ 2 photos
Dave w/ 5 photos

I. SITE INFORMATION

Site name: SEAD-122B – Airfield, Small Arms Range	**Date of inspection:** 4/22/2014 2PM
Location and Region: Airfield	**EPA ID:** NY0213820830
Agency, office, or company leading the five-year review: Parsons	**Weather/temperature:** Cloudy / 70°F
Inspector: Dave Babcock, PE	**Signature:** Dave Babcock

Remedy Includes: (Check all that apply)

- ☐ Landfill cover/containment
- ☐ Access controls
- ☑ Institutional controls – prohibit certain development – OK – no new devel since 2011 based on visual inspection
- ☐ Groundwater pump and treatment
- ☐ Surface water collection and treatment
- ☐ Other _____
- ☐ Monitored natural attenuation
- ☐ Groundwater containment
- ☐ Vertical barrier walls

Attachments: ☐ Inspection team roster attached ☐ Site map attached

II. INTERVIEWS (Check all that apply)

1. **O&M site manager** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

2. **O&M staff** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

4. **Other interviews** (optional) ☐ Report attached.

Dave - 1 photo S end + 2 photos looking ESE + central ... facing ... photos
Brendan - ~6 photos + ~3 photos

SEDA LUC Inspections Site Inspection Checklist

I. SITE INFORMATION	
Site name: **SEAD-122E – Plane Deicing Area**	**Date of inspection:** 4/22/2014 2:10PM
Location and Region: Airfield	**EPA ID: NY0213820830**
Agency, office, or company leading the five-year review: Parsons	**Weather/temperature:** Cloudy / 70°F
Inspector: Dave Babcock, PE	**Signature:** [signature]

Remedy Includes: (Check all that apply)

- ☐ Landfill cover/containment
- ☐ Access controls
- ☑ Institutional controls – prohibit certain development (residential, schools...) – OK – no new development per visual
- ☐ Groundwater pump and treatment
- ☐ Surface water collection and treatment
- ☐ Other Tower and brick bldg outside central area removed since 2011
- ☐ Monitored natural attenuation
- ☐ Groundwater containment
- ☐ Vertical barrier walls

Attachments: ☐ Inspection team roster attached ☐ Site map attached

II. INTERVIEWS (Check all that apply)

1. **O&M site manager** ____________ ____________ ____________
   Name Title Date
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. ____________
   Problems, suggestions; ☐ Report attached ____________

2. **O&M staff** ____________ ____________ ____________
   Name Title Date
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. ____________
   Problems, suggestions; ☐ Report attached ____________

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

   Agency ____________
   Contact ____________ ____________ ____________ ____________
   Name Title Date Phone no.
   Problems; suggestions; ☐ Report attached ____________

   Agency ____________
   Contact ____________ ____________ ____________ ____________
   Name Title Date Phone no.
   Problems; suggestions; ☐ Report attached ____________

4. **Other interviews** (optional) ☐ Report attached.

SEDA LUC Inspections Site Inspection Checklist

Dave - 2 photos non-cap LF (south side)
Brenden ~ 5 photos + 5 on south side

I. SITE INFORMATION

Site name: Ash Landfill Operable Unit (SEAD-3, -6, -8, -14, and 15)	**Date of inspection:** 4/22/2014 1PM
Location and Region: Ammo area	**EPA ID:** NY0213820830
Agency, office, or company leading the five-year review: Parsons	**Weather/temperature:** Rain / 70°F
Inspector: Dave Babcock, PE	**Signature:** Dave Babcock

Remedy Includes: (Check all that apply)

- ☑ Landfill cover/containment – maintenance and/or cover – OK except 6 to 8 animal holes near ZVI wall.
- ☐ Access controls
- ☑ Institutional controls – prohibit construction, GW use, LTM – OK and no excavation – visual inspection
- ☐ Groundwater pump and treatment
- ☐ Surface water collection and treatment
- ☐ Other Access by humans restricted by locked @ Ammo Gate
- ☐ Monitored natural attenuation
- ☐ Groundwater containment
- ☐ Vertical barrier walls

Wired utility pole in place north of access road. MWs in good condition; one MW not locked at SEAD-6 (no locking cap evident).

Attachments: ☐ Inspection team roster attached ☐ Site map attached

II. INTERVIEWS (Check all that apply)

1. **O&M site manager** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

2. **O&M staff** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

4. **Other interviews** (optional) ☐ Report attached.

Dave-1 photo breakan-

SEDA LUC Inspections Site Inspection Checklist

I. SITE INFORMATION

Site name: SEAD-41 - Building 718 Boiler Blowdown Leaching Pit	**Date of inspection:** 4/22/2014 2:40PM
Location and Region: Northern admin area (Hillside)	**EPA ID:** NY0213820830
Agency, office, or company leading the five-year review: Parsons	**Weather/temperature:** Partly cloudy / 72°F
Inspector: Dave Babcock, PE	**Signature:** Dave Babcock

Remedy Includes: (Check all that apply)

- ☐ Landfill cover/containment
- ☐ Access controls
- ☑ Institutional controls - GW use restriction - OK groundwater from other source(s) per Mr. Mazur
- ☐ Groundwater pump and treatment
- ☐ Surface water collection and treatment
- ☐ Other _____
- ☐ Monitored natural attenuation
- ☐ Groundwater containment
- ☐ Vertical barrier walls

Attachments: ☐ Inspection team roster attached ☐ Site map attached

II. INTERVIEWS (Check all that apply)

1. **O&M site manager** Mark Mazur (Name) Facility Mgr. (Title) 4/22/14 (Date)
   Interviewed ☑ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

2. **O&M staff** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

4. **Other interviews** (optional) ☐ Report attached.

Dave – 1 photo (west) + 1 photo (east – one facing SW)
Brenden – no photo (west) + ~7 photos (east)

SEDA LUC Inspections Site Inspection Checklist

I. SITE INFORMATION

Site name: SEAD-13 - Inhibited Red Fuming Nitric Acid (IRFNA) Disposal Site	**Date of inspection:** 4/22/2014 3PM
Location and Region: Ammo Area - adj. Duck pond area	**EPA ID:** NY0213820830
Agency, office, or company leading the five-year review: Parsons	**Weather/temperature:** Cloudy / 60°F
Inspector: Dave Babcock, PE	**Signature:** Dave Babcock

Remedy Includes: (Check all that apply)

- ☐ Landfill cover/containment
- ☐ Access controls
- ☑ Institutional controls – GW use restriction – no wells evident on west and east sides.
- ☐ Groundwater pump and treatment
- ☐ Surface water collection and treatment
- ☐ Other No future remedial system known by Parsons field team at this time. To have been identified.
- ☐ Monitored natural attenuation
- ☐ Groundwater containment
- ☐ Vertical barrier walls

Attachments: ☐ Inspection team roster attached ☐ Site map attached

II. INTERVIEWS (Check all that apply)

1. **O&M site manager** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

2. **O&M staff** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

4. **Other interviews** (optional) ☐ Report attached.

(Gate open with no lock near east end.)

SEDA LUC Inspections Site Inspection Checklist

Brenden Dave

I. SITE INFORMATION

Site name: SEAD-64B - Garbage Disposal Area, Disposal Area South of Classification Area	**Date of inspection:** 4/22/2014 12:30PM
Location and Region: Other SEADs - south end	**EPA ID:** NY0213820830
Agency, office, or company leading the five-year review: Parsons	**Weather/temperature:** Rain / 70°F
Inspector: Dave Babcock, PE	**Signature:**

Remedy Includes: (Check all that apply)

- ☐ Landfill cover/containment
- ☐ Access controls
- ☑ Institutional controls - excav. restriction, maintain veg. cover
- ☐ Groundwater pump and treatment
- ☐ Surface water collection and treatment
- ☐ Other Wooded area, some 20+ year old trees
  One small ~2" ø burrow hole below grade
- ☐ Monitored natural attenuation
- ☐ Groundwater containment
- ☐ Vertical barrier walls

Attachments: ☐ Inspection team roster attached ☐ Site map attached

II. INTERVIEWS (Check all that apply)

1. **O&M site manager** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

2. **O&M staff** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

4. **Other interviews** (optional) ☐ Report attached.

SEDA LUC Inspections Site Inspection Checklist

Brenden ~ 6 photos
Dave 1 or 2 photos

I. SITE INFORMATION

Site name: SEAD-64D - Garbage Disposal Area, Disposal Area West of Building 2203	**Date of inspection:** 4/22/2014
Location and Region: Amma Area	**EPA ID:** NY0213820830
Agency, office, or company leading the five-year review: Parsons	**Weather/temperature:** Rain / 70°F
Inspector: Dave Babcock, PE	**Signature:** Dave Babcock

Remedy Includes: (Check all that apply)

- ☑ Landfill cover/containment – maintain soil cap and/or veg cap – veg. cover OK some small trees
- ☐ Access controls
- ☑ Institutional controls – no GW use, excavation – OK
- ☐ Groundwater pump and treatment
- ☐ Surface water collection and treatment
- ☐ Other No remedial wells or GW monitoring based on visual and per Brenden.
- ☐ Monitored natural attenuation
- ☐ Groundwater containment
- ☐ Vertical barrier walls

Attachments: ☐ Inspection team roster attached ☐ Site map attached

II. INTERVIEWS (Check all that apply)

1. **O&M site manager** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

2. **O&M staff** _____ (Name) _____ (Title) _____ (Date)
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

   Agency _____
   Contact _____ (Name) _____ (Title) _____ (Date) _____ (Phone no.)
   Problems; suggestions; ☐ Report attached _____

4. **Other interviews** (optional) ☐ Report attached.