FINAL

ENVIRONMENTAL CONDITION OF PROPERTY REPORT FOR PORTIONS OF THE SENECA ARMY DEPOT ACTIVITY ROMULUS, NEW YORK

PREPARED FOR:

PUBLIC WORKS ENVIRONMENTAL DIVISION
NATURAL RESOURCES BRANCH
FORT DRUM, NEW YORK

PREPARED BY:

PARSONS
290 Elwood Davis Road, Suite 312
Liverpool, New York 13088
(315) 451-9560 Fax (315) 451-9570

PARSONS

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EXECUTIVE SUMMARY

INTRODUCTION

Parsons has been tasked by the Army to prepare this Environmental Condition of Property (ECP) report for selected portions of the former Seneca Army Depot Activity (SEDA or Depot) in Romulus, New York. The ECP documents the physical condition and environmental status of the portions of the SEDA considered for use by Fort Drum for supplemental training events. The ECP also addresses adjacent properties, and potential environmental impacts those properties might have on the subject parcels. The ECP compiles available site information into a single document to establish baseline conditions for use by the Army in making decisions regarding real property transactions that concern the properties specified in this document.

Although primarily a management tool, this ECP assists the Army in meeting its obligations under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Section 9620(h)(1), as amended by the Community Environmental Response Facilitation Act (CERFA) (Public Law 102-426).

This ECP is based on information obtained through a records search, including a review of available SEDA and other agency records. The ECP also includes an assessment of the environmental conditions of properties immediately adjacent to or relatively near the subject parcels that could pose environmental concerns and/or affect the subject properties.

Based on an analysis of the available data, portions of SEDA were classified using seven categories as follows:

- **Category 1:** Areas where no release or disposal of hazardous substances or petroleum substances has occurred (including no migration of these substances from adjacent areas).
- **Category 2**: Areas where only release or disposal of petroleum substances has occurred.
- **Category 3:** Areas where release, disposal, and/or migration of hazardous substances have occurred, but at concentrations that do not require removal or remedial response.
- **Category 4:** Areas where release, disposal, and/or migration of hazardous substances have occurred, and all removal or remedial actions have been taken.
- **Category 5:** Areas where release, disposal, and/or migration of hazardous substances have occurred, and removal or remedial actions are under way, but have not yet been taken.
- **Category 6**: Areas where release, disposal, and/or migration of hazardous substances have occurred, but remedial actions have not been implemented.
- **Category 7**: Areas that have not been evaluated or require additional information.

Figure 5.1 in this ECP report shows the project area and parcel categories based on an analysis of the available data. All areas in white are classified as **Category 1**.

PROPERTY FINDINGS

The findings for the various environmental factors considered in this ECP report for the subject properties are described below.

Groundwater. Four distinct hydrogeologic units have been identified in Seneca County: two shale formations, a series of limestone units, and unconsolidated glacial drift. Because it is between 100 and 700 feet deep, the limestone aquifer is the least used of the three for water supply. The shale aquifer is the most common groundwater source. The general direction of groundwater flow on the Depot is west towards Seneca Lake, although the direction might vary locally. There are no groundwater supplies on SEDA. All closed sites in that are located in the Planned Industrial Development (PID) and Warehouse areas are subject to residential use and groundwater access/use restrictions that are imposed on an area-wide basis, based on the environmental conditions found in SEADs 27, 64A, and 66.

Wetlands. An installation-wide wetlands delineation has not occurred at the SEDA. The SEDA Wetlands, Fish and Wildlife Plan identifies 87 distinct wetlands within the SEDA boundaries. Wetland information is based on delineations conducted for portions of the facility and Us Fish and Wildlife Service (USFWS)/New York State wetlands maps.

Threatened and Endangered Species. No federally listed endangered, threatened or candidate species are known to occur at SEDA. Parsons requested a list of known State-Listed species (endangered, threatened, and species of special concerns) for the SEDA in October 2007 and is awaiting a response

Air Quality. SEDA is located within Air Quality Control Region (ACQR) 160 – the Genesee-Finger Lakes AQCR, which is in attainment for all pollutants. However, New York State is part of the Northeast Ozone Transport Region (OTR).

Solid Waste Management Units and the Installation Restoration Program. SEDA was placed on the National Priorities List (NPL) in 1990. In total, 106 solid waste management units (SWMUs) encompassing 117 locations were identified as representing areas of potential environmental concern.

Nineteen SWMUs are located within the project area considered in this ECP. There are 6 SWMUs/AOCs in the project area where environmental work is ongoing, and include SEAD-26 and SEAD-121I in the warehousing area and SEAD-4, SEAD-38, SEAD-11 and SEAD-48 in the Training Area. Of these sites, SEAD-4 and SEAD-38 are currently the furthest from completion, while the other four sites area either awaiting the submittal and approval of the final Record of Decision (ROD) or notification and approval of Remedy-in-Place (RIP). The remaining 13 sites within the project area are closed. All closed sites in that are located in the PID and Warehouse area are subject to the overarching residential use and groundwater access/use restrictions that are imposed on an area-wide basis, based on the environmental conditions found in SEADs 27, 64A, and 66. All sites located in the airfield area are subject to a land use restriction that prohibits residential activities within the land.

Petroleum Storage. There are nine active above-ground storage tanks (ASTs) and five active underground storage tanks (USTs) within the project area. There is no evidence of petroleum releases from any of the active storage tanks. Twenty-nine storage tanks (10 ASTs and 19 USTs) have been removed from the project area. Seven spills have been documented in association with the former storage tanks; all necessary remedial actions were taken.

Ten petroleum spills originating from non-tank sources have occurred within the project area, and all necessary remedial actions were taken.

Sanitary Wastewater. The PID and warehouse areas are served by a system that incorporated a pumping station at Building 314 and treatment at Building 4. A New York State Discharge Elimination System (SPDES) permit is in place for the treatment facility. Individual septic tanks serve all remaining buildings with sanitary facilities. With the exception of the bunkers, remaining buildings discharge to septic tanks. The bunkers do not have sanitary facilities.

Electric System. Electric power at SEDA is supplied by New York State Electric and Gas Corporation (NYSEG) through an off-site substation located north of the main entrance to the Depot. The airfield, PID area and warehouses are connected to the electrical system; the bunkers located in the main depot area do not have an electric supply.

Heating System. Heating systems at SEDA include three central steam systems and individual building fuel-fired systems. None of the bunkers and many of the warehouses were ever connected to the heating system. Those that do have heat supplied to them, such as at the airfield and in the PID area, are heated through oil-fired systems.

Water Supply. The water distribution system is comprised of many different pipe materials, including ductile iron, cast iron, cement, and PVC pipes ranging from 6 inches to 12 inches. The system is supplied from the Town of Varick (USACE, 1998). The bunkers do not have a water supply; warehouses have their water system disconnected, although the pipes can be easily reconnected (personal communication, 2007).

Pesticides. Pesticides were stored in several warehouses, including Buildings 327, 343, and 335. Buildings 330 and 331 possibly also stored hazardous materials, including pesticides. Building 323 was used for shipping and receiving of goods, including pesticides.

Medical/Biohazardous Waste. A preventative medicine laboratory was located in Building 106, also designated SEAD-42. Medical waste materials were stored in this facility in appropriate biohazard containers. No evidence of any medical waste disposal or releases has been found.

Unexploded Ordnance. No unexploded ordnance is known to exist within the project boundaries.

Radioactive Materials and Waste. The following buildings were used at one time for radiological activities:

- PID Area: Building 116 - used to store calibration standards;

- Warehouse Area: Building 324 - used to store Columbite ore;
- Main Depot Area: Buildings 2073 and 2084 – used as staging point to prepare depleted uranium;
- 113 ammunition igloos – used to store packaged depleted uranium ammunitions; and
- Ammunition Igloo A0701 – used to store anti-tank rockets containing promethium-147.

The SEDA requested termination of its Nuclear Regulatory Commission (NRC) materials license and release of the facility for unrestricted use on June 15, 2004. The request was accepted June 18, 2007.

Paints, Solvents, and Hazardous Liquids. Six buildings within the PID Area and six buildings within the Warehouse area were used for storage of paints, solvents and other hazardous liquids. Four spills occurred in association with hazardous liquids, all in the warehouse area (New York State Department of Environmental Conservation [NYSDEC] Spill Numbers 9112897, 9312597, 9306000, and 9208729). All necessary remedial actions were taken.

Prime and Unique Farmland. No prime or unique farmlands are located on SEDA.

Stormwater. The majority of the SEDA flows into Seneca Lake. The site has a generally east-to-west slope, and is amenable to open ditch gravity drainage. The open ditch stormwater system drains the main depot area, and eventually drains into Seneca Lake. The developed areas near the PID area and the warehouses have enclosed storm drainage collected systems comprised of 12- to 36-inch concrete or reinforced concrete pipes. The airfield runway has a perimeter stormwater collection system that empties into the open ditch drainage system

Asbestos. Asbestos-containing material (ACM) is present in the following buildings: 2305 and 2306 (Airfield); 324 though 332, 340 through 343, 346, 347, 347, and 350 (Warehouses); 2077, 2078, and 2079 (Bunker). Remaining ACM is non-friable.

Polychlorinated Biphenyls. The electrical distribution system at SEDA was transferred to the Seneca County Industrial Development Agency (SCIDA) in 2003, and does include some PCB-containing transformers. One parcel designated as SEAD-121B is associated with a rumored PCB spill. There is no evidence of a spill at this location, and the Army determined the site does not require further action.

Radon. Building 115 in the PID area had a radon level of 5.5 pCi/L, above the EPA action level of 4.0 pCi/L, during radon testing. No other buildings in the project area resulted in radon levels above the EPA action level.

Lead-Based Paint. Lead-based paint is assumed to be present in all buildings constructed before 1978.

Cultural Resources. Historic and prehistoric resources: One prehistoric site, the Woodland period village, occurs in the project area, and dates to the Archaic and Woodland

periods. Ten historic sites are located in the proposed project area. In addition, three sites of unknown type have also been identified in the project area.

Architectural Resources: The main depot area contains 455 igloo storage facilities. Although the bunkers are not considered potentially NRHP-eligible by the New York SHPO, requirements for the documentation of typical building types in this area are required prior to conveyance, as defined in the Programmatic Agreement.

Native American Resources: One Native American resource, the Woodland period village, has been identified on SEDA within the project area. As a result of BRAC activities at SEDA, consultation for a programmatic agreement under the National Historic Preservation Act was conducted with the Cayuga Nation of Indians, the Oneida Indian Nation, the Onondaga Indian Nation, the Seneca Nation of Indians, and the St. Regis Mohawk (U.S. Army, 2003c). It was also determined that all prehistoric materials and all materials recovered from multi-component sites would be curated with the Seneca Nation of Indians.

ADJACENT PROPERTY FINDINGS

The majority of the properties adjacent to the subject parcel consist of adjoining SEDA property, rural properties and farmlands. Based on the analysis, none of the surrounding properties appear to have had activities or occurrences with potential to impact the project area.

TABLE OF CONTENTS

PAGE

TABLE OF CONTENTS (CONTINUED)

LIST OF TABLES

LIST OF FIGURES

TABLE OF CONTENTS (CONTINUED)

LIST OF APPENDICES

ABBREVIATIONS AND ACRONYMS

ACM	Asbestos-containing material
AMC	Air Mobility Command
AOC	Area of Concern
AQCR	Air Quality Control Region
AST	aboveground storage tank
BRAC	Base Realignment and Closure
CERFA	Community Environmental Response Facilitation Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
cPAH	Carcinogenic Polycyclic Aromatic Hydrocarbons
DoD	Department of Defense
DS2	Decontamination Solution 2
EBS	Environmental Baseline Survey
ECP	Environmental Condition of Property
EDR	Environmental Database Resources, Inc.
EIS	Environmental Impact Statement
EPA	US Environmental Protection Agency
FOSLT	Finding of Suitability to Lease or Transfer
FOST	Finding of Suitability to Transfer
RIP	Remedy-In-Place
ROD	Record of Decision
HABS	Historic American Building Survey
IRP	Installation Restoration Program
LBP	Lead-Based Paint
NPL	National Priorities List
NFA	No Further Action
NRC	Nuclear Regulatory Commission
NRMP	Natural Resource Management Plan
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSEG	New York State Electric and Gas Corporation
OTR	Ozone Transport Zone
pCi/L	Picocuries per liter
PID	Planned Industrial Development
PRAP	Proposed Remedial Action Plan
RCRA	Resource Conservation and Recovery Act
RCRIS	RCRA Information System
RD/RA	Remedial design/remedial action
RAATS	RCRA Administrative Action Tracking System
SCIDA	Seneca County Industrial Development Agency
SEDA	Seneca Army Depot Activity
SPDES	New York State Discharge Elimination System
STP	Sewage Treatment Plan
SWMU	Solid Waste Management Unit
U-238	Uranium 238
USEPA	United States Environmental Protection Agency
UST	Underground storage tank

SECTION 1

INTRODUCTION

1.1 PURPOSE OF ENVIRONMENTAL CONDITION OF PROPERTY REPORT

This Environmental Condition of Property (ECP) report was prepared for the proposed military training at the Seneca Army Depot Activity (SEDA) by the 10th Mountain Division stationed at Fort Drum, New York. The ECP report documents the physical condition and environmental status of the portions of the SEDA considered for use by Fort Drum for supplemental training events. Authorization to use a portion of SEDA for training would be by way of license (or lease) issued by the Seneca County Industrial Development Agency (SCIDA). The ECP also addresses adjacent properties, and potential environmental impacts those properties might have on the subject parcels. The ECP compiles available site information into a single document to establish baseline conditions for use by the Army in making decisions regarding real property transactions that concern the properties specified in this document.

The purposes of the ECP report area to:

- Develop sufficient information to assess the health and safety risks, if any, associated with the surveyed properties and determine what actions are necessary to protect human health and the environment prior to a real property transaction.
- Support decisions for finding of suitability to lease and/or transfer (FOSLT) and aid in determining the need for lease or deed restrictions.
- Document and obtain regulatory concurrence on uncontaminated property as required and defined under CERCLA 120(h)(4).
- Support notice, when required under Section 120(h)(1) of CERCLA, of the type, quantity, and time frame of any storage, release, or disposal of hazardous substances or petroleum substances or their derivatives on the property.
- Identify data gaps concerning potential environmental contamination.
- Define potential environmental liabilities associated with real property transactions.
- Aid in determining possible effects on property valuation from potential contamination or other environmental concerns identified.

1.2 SITE CLASSIFICATION

The SEDA considered in this ECP report was classified using seven categories, as follows (ASTM D5746-98):

- **Category 1:** Areas where no release or disposal of hazardous substances or petroleum substances has occurred (including no migration of these substances from adjacent areas).

- **Category 2:** Areas where only release or disposal of petroleum substances has occurred.
- **Category 3:** Areas where release, disposal, and/or migration of hazardous substances have occurred, but at concentrations that do not require removal or remedial response.
- **Category 4:** Areas where release, disposal, and/or migration of hazardous substances have occurred, and all removal or remedial actions have been taken.
- **Category 5:** Areas where release, disposal, and/or migration of hazardous substances have occurred, and removal or remedial actions are under way, but have not yet been taken.
- **Category 6:** Areas where release, disposal, and/or migration of hazardous substances have occurred, but remedial actions have not been implemented.
- **Category 7:** Areas that have not been evaluated or require additional evaluation.

For purposes of this categorization, the term 'migration' is defined as the movement of substances from adjacent facilities or sites to the subject property, versus the movement of substances from the subject property to an adjacent facility or site.

Property in Categories 1 through 4 is environmentally eligible for transfer by deed. Property that falls in Categories 5 or 6 must have appropriate actions taken before being eligible for transfer by deed. These actions include:

- Analysis of the results of all sampling, investigations, and other available data, including any site or remedial investigations by health, safety, and environmental protection experts, to determine if any health, occupational, or safety risks are associated with the intended use of the property. The ECP report should advise that the presence of contaminants must be disclosed in the transaction documents.
- Analysis of restrictive provisions in the transaction to 1) mitigate the effects of contamination to reduce any environmental, health, occupational or safety risks associated with the property use, and 2) prevent interference with compliance issues.
- Identification of such measures as part of the recommendation in the ECP report.

Property that falls in Category 7 cannot be classified into another classification without further evaluation, and is not transferable by deed to non-federal agencies or departments.

All categories are considered eligible for transfer by lease or for transfer between federal agencies or departments. The use of portions of SEDA by Fort Drum would fall under a lease arrangement, so all categories would be eligible.

1.5 SITE BACKGROUND

The SEDA is located approximately 100 miles south-southwest of Fort Drum in the town of Romulus, New York (see Figure 1.1). The approximately 10,600 acre property was established in 1941 as the Seneca Ordnance Depot, and has primarily served as a maintenance and storage site for weapons, materials and supplies. SEDA was approved for the 1995 Base Realignment

and Closure (BRAC) list in 1995 and was closed in 2000. Current reuse plans project that most of the property will eventually be transferred for civilian and other uses.

1.6 BOUNDARIES OF PROPERTY AND SCOPE OF SURVEY AREA

The ECP on SEDA property is based on a review of available information and a brief visual inspection of approximately 3,900 acres encompassing the following areas (Figure 1.2):

- Warehouse Area – located on the eastern portion of the SEDA
- Planned Industrial Development (PID) Area – Consisting of office and commercial buildings, this portion is located in the eastern portion of the SEDA;
- Airfield –the former airfield is located on the southwestern portion of the SEDA and is comprised of one runway and associated facilities; and
- Main Depot Area – The largest portion of the SEDA, and is comprised mostly of earthen bunkers formerly used for munitions storage.

The ECP is also based on information available on property immediately adjacent to the boundaries of these parcels (i.e., having a contiguous border with the boundary of the parcel) as specified by the federal, state, and ASTM standards for site investigations. Information regarding property within approximately one mile of the SEDA boundary with potential environmental concern is also presented. The results of the survey for the subject properties and the adjacent properties are presented in Section 3.

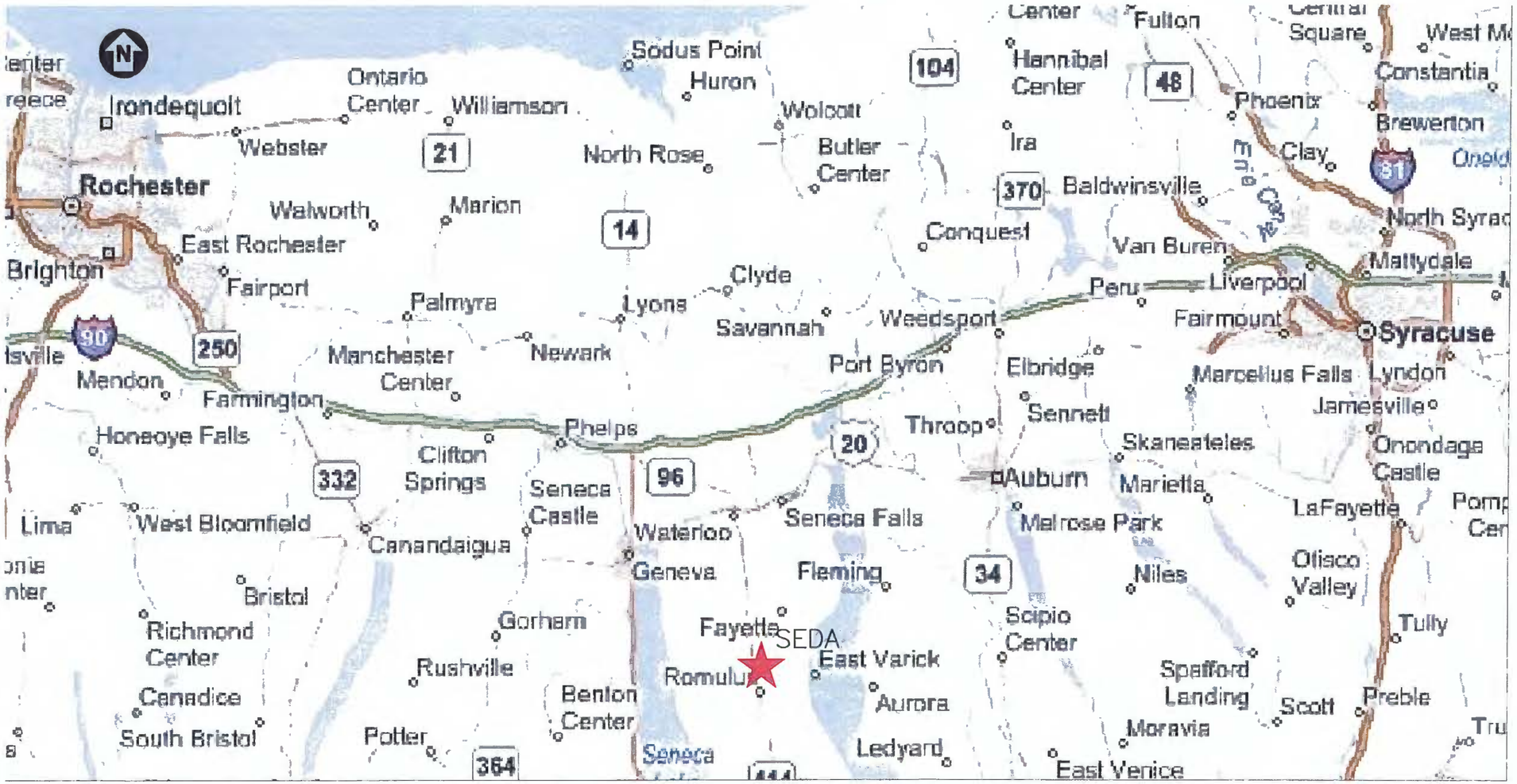


FIGURE 1.1

SEDA ECP REPORT

SEDA LOCATION

PARSONS

290 ELWOOD DAVIS ROAD, SUITE 312, LIVERPOOL, N.Y. 13088, PHONE: 315-451-9560

FILE NAME: P:\745959 FORT DRUM SEDA TRAINING\FIGURES\FIGURE 1.1 ECP.DWG
PLOT DATE: 1/10/2008 9:40 AM PLOTTED BY: WINTERS, CHRIS

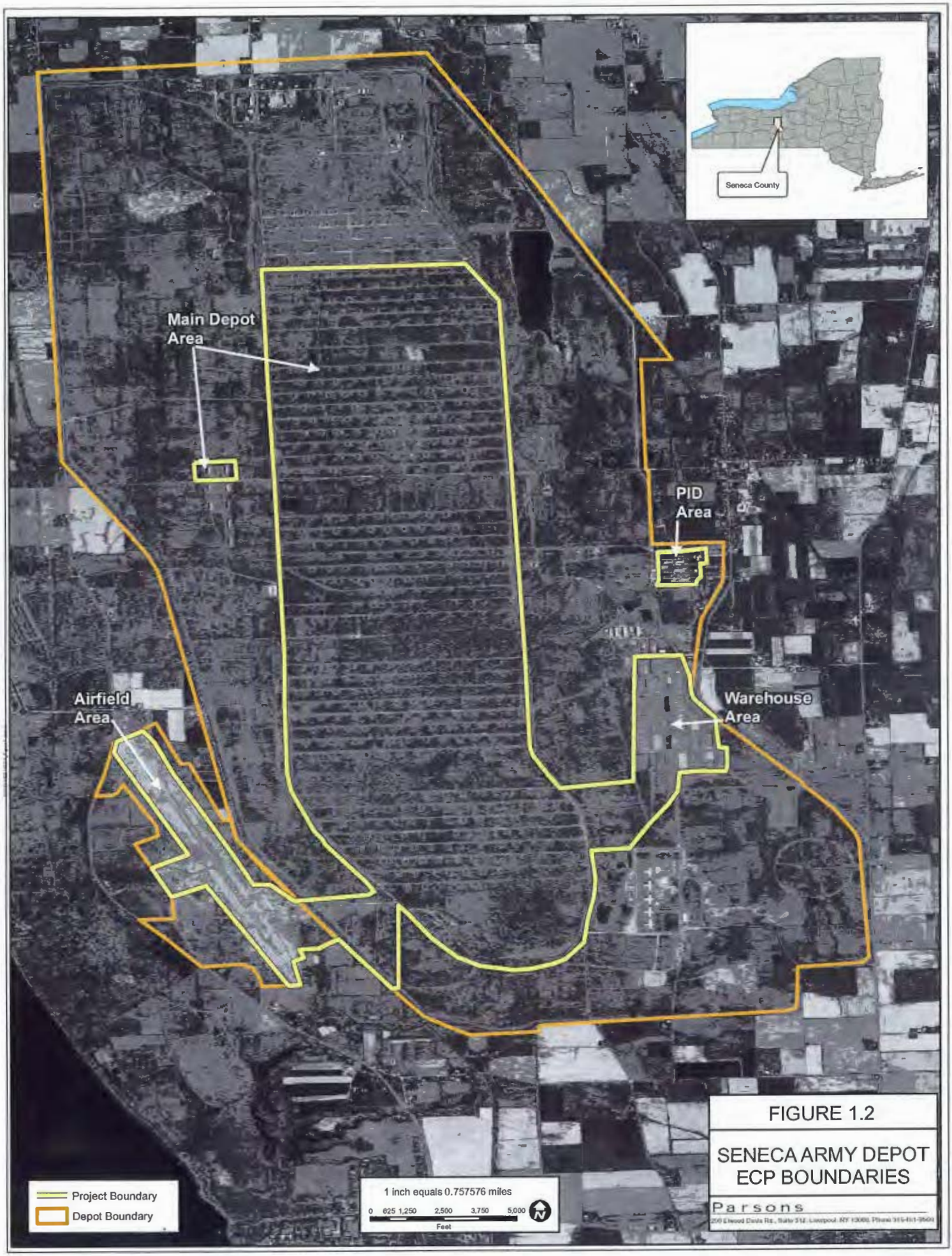


FIGURE 1.2

SENECA ARMY DEPOT ECP BOUNDARIES

Parsons

SECTION 2

SURVEY METHODOLOGY

2.1 APPROACH AND RATIONALE

The foundation of the information contained in this ECP includes the BRAC Environmental Baseline Survey (EBS) prepared by Woodward-Clyde (1997), as well as the Findings of Suitability for Transfer (FOST) for the Airfield, PID and Warehouse Area, and Conservation/ Recreation Area (U.S. Army 2003a; 2003b; and 2005). Information provided in these documents was updated in this ECP, which allows classification of the parcels into defined environmental condition categories. The focus of this ECP is not the entire SEDA, rather the portion of the Depot that is being considered for use by Fort Drum for supplemental training as shown in Figure 1.2 (Parsons, 2007). Records for SEDA were available at the SEDA repository located at Building 123 at the Depot.

2.1.1 Description of Documents Reviewed

The records search of available documentation focused primarily on records, reports, and maps available at the repository. The files and records reviewed generally date from 1995 through 2005; however, the documents provided information about activities prior to 1995.

Various studies, investigations, and inspections that consider environmental conditions at the Depot, including regulatory compliance issues, have been conducted by the Army and other federal and state agencies over the past several years. The results of these studies and investigations provided the initial baseline used in developing this ECP. The primary types of studies or investigations reviewed for the ECP include the following:

- EBS;
- Records of Decision (RODs);
- FOSTs;
- Environmental Impact Statement (EIS);
- Cultural Resource Maps;
- Reuse Plan and Implementation Strategy;
- Rare Species Survey;
- Fish and Wildlife Inventory;
- Natural Resources Management Plan (NRMP); and
- Federal, State, and local records.

The types of documents, records, and maps reviewed for each environmental medium are described below. A detailed list of references used in preparing this ECP is presented in Section 7.

Solid Waste Management Units (SWMUs) and the Installation Restoration Program (IRP). Information regarding the history and status of the IRP and site SWMUs was obtained from the BRAC EBS Report (Woodward Clyde, 1997), and RODs and closure reports for various sites (USEPA, 1999; 2003; 2004; 2005; 2006a; 2006b).

Storage Tanks and Pipelines, Ordnance, Polychlorinated Biphenyls (PCBs), Pesticides and Radon. The bulk of this information was obtained from FOSTs for the main depot area, airfield, and PID/warehouse area.

Medical/Biohazardous Waste, Asbestos and Lead-Based Paint (LBP). Information on the generation and disposal of medical/biohazardous waste, asbestos and LBP was obtained from the BRAC EBS Report (Woodward Clyde, 1997).

Wastewater Discharges. Information on wastewater on the SEDA was obtained from the BRAC EBS (Woodward Clyde, 1997) and the FOSTs (U.S. Army, 2003a, 2003b, and 2005).

Radioactive Materials/Waste. Information on radioactive materials at the SEDA was obtained from FOSTs (U.S. Army, 2003a, 2003b, and 2005), the Environmental Impact Statement (USACE, 1998), and the BRAC EBS Report (Woodward-Clyde, 1997).

Cultural Resources. Information for cultural and historic records was obtained from cultural resource surveys, an archaeological management plan (Klein, 1986), a Programmatic Agreement among the United States Army, New York State Historic Preservation Officer and the Advisory Council on Historic Preservation for the Closure and Disposal of the SEDA (U.S. Army, 2003), and other records searches.

Wetland/Floodplain Surveys, Prime & Unique Farmland. Information regarding wetlands/floodplain and prime and unique farmland was obtained from the Wetlands, Fish and Wildlife Plan (USFWS, 1995) and the Classification of Wetlands and Deepwater Habitats of the United States (Cowardin et. al, 1979.).

Threatened and Endangered Species. Information for current and potentially listed threatened and endangered species or species of special concern at the SEDA was obtained from the Rare Species Survey (USFWS, 1996) and the Wetlands, Fish and Wildlife Plan (USFWS, 1995). Parsons requested a list of known State-Listed species (endangered, threatened, and species of special concerns) for the SEDA in October 2007 and is awaiting a response.

SECTION 3

ENVIRONMENTAL CONDITION

3.1 GENERAL FINDINGS/BACKGROUND FOR THE SEDA

Section 3.1 presents general findings and background information for portions of the SEDA indicated on Figure 1.2 and considered in the proposed action described in the Draft Environmental Assessment for Fort Drum Training at SEDA (Parsons, 2007). Section 3.2 presents information on properties adjacent to the SEDA. Searches of regulatory databases were conducted for adjacent property information (EDR, 2007). Results of the database search are included in Appendix A (provided on an accompanying CD).

3.2 HISTORICAL AND CURRENT LAND USAGE

The approximately 10,600 acres that became the SEDA was used for farming between the time of the end of the Revolutionary War until June 1941. At that time, the War Department announced approval of a munitions project at the site. The farmers were relocated and construction began immediately.

Beginning with its inception in 1941 and continuing until its mission was terminated in 1995, the mission of the SEDA was the management and storage of various military items, including munitions. Management of these items required areas and facilities where storage, quality assurance testing, range testing, ordnance detonation, munitions washout, deactivation and other support actions could be performed. In addition, administrative and plant operational facilities were also established in support of the Depot's mission. The Depot also performed maintenance for small arms weapons, industrial plant equipment, cargo trucks, jeeps, tractors, trailers, and weapons carriers.

SEDA was selected for the 1995 BRAC list in 1995 and was closed in 2000. Part of the property was then leased by the Army to the SCIDA in order to attract private sector investment and new jobs to the site.

Approximately 3,900 acres of the SEDA are being considered for use by Fort Drum for training activities, as described in the Environmental Assessment for Fort Drum Training at SEDA (Parsons, 2007). This includes the warehouse area, the southern portion of the Main Depot, portions of the PID area, and the airfield.

The following businesses are currently located at the SEDA within the proposed project boundaries provided on Figure 1.2:

- Warehouse Use – several warehouses are currently being occupied and used for storage and supply by different companies.
- New York State Police Training Center and Fire Training Center – The police training center and firefighting center are located at the Seneca Army Airfield. New York State police use the area for law enforcement training activities.

In addition, Empire Biofuels, LLC, plans to build an ethanol in a portion of the former Main Depot area, with anticipated groundbreaking scheduled for March 2008.

The current land use plan for the SEDA is provided in Figure 3.1. The boundaries of the proposed action are co-located on the figure to indicate which portions of the former Depot are covered in this ECP report.

3.3 NATURAL ENVIRONMENT

3.3.1 Physical Setting

The SEDA, closed as a Depot in 2000, is located in the towns of Romulus and Varick, New York, approximately 40 miles south of Lake Ontario. It lies within in the Finger Lakes area, with Seneca Lake to the west and Cayuga Lake to the east. Most of the area surrounding the former Depot is sparsely populated farmland (Parsons Engineering Science, 1995).

3.3.2 Groundwater

Seneca County is located in the Appalachian Plateaus Province. The Adirondack area contains mainly sedimentary rocks (mostly carbonate and shale, with some sandstone) underlying the surface. Rocks in this area are typically flat of slightly dipping to the south, and have been deeply eroded. Consolidated bedrock aquifers are located in the Appalachian Plateaus Province. Although consolidated bedrock aquifers are among the least productive of the major aquifers, they are important sources of domestic water supplies in certain areas (USGS, 1995).

Four distinct hydrogeologic units have been identified in Seneca County: two shale formations, a series of limestone units, and unconsolidated glacial drift. Because it is between 100 and 700 feet deep, the limestone aquifer is the least used of the three for water supply. The shale aquifer is the most common groundwater source (Parsons Engineering Science, 1995).

Depth to groundwater at the Depot is shallow and reportedly ranges from 0.1 to 23 feet. The general direction of groundwater flow on the Depot is west towards Seneca Lake, although the direction might vary locally. There are no groundwater supplies on SEDA (USACE, 1998).

The PID and Warehouse areas are subject to groundwater access/use restrictions based on the environmental conditions found in several of the solid waste management units (see Section 3.4.1 of this report).

3.3.3 Wetlands and Floodplains

The SEDA Wetlands, Fish, and Wildlife Plan identifies 87 distinct wetlands at SEDA. Total wetland acreage is estimated to be approximately 496 acres (USFWS, 1995). An installation-wide delineation has not taken place since this study was conducted.

The dominant wetland systems occurring at SEDA, based on the Cowardin et al. (1979) classification system, are palustrine and lacustrine. Specific wetland classes represented include open water, scrub/shrub, emergent, forested, and some wet grasslands. Palustrine forested wetlands account for 47 percent of SEDA's wetlands, and emergent wetlands account for 25 percent of wetlands at SEDA.

3.3.4 Threatened and Endangered Species

It is possible that SEDA would receive the occasional transient individual of the Indiana bat (*Myotis sodalist*; endangered). However, no federally listed endangered, threatened, or candidate species, including the bog turtle (*Clemmys muhlenbergii)* are known to occur at SEDA (USFWS, 1996). Parsons requested a list of known State-Listed species (endangered, threatened, and species of special concerns) for the SEDA in October 2007 and is awaiting a response.

3.3.5 Air Quality

The SEDA is located within Air Quality Control Region (AQCR) 160 – the Genesee-Finger Lakes AQCR, which is in attainment for all pollutants (USEPA, 2007). However, New York State is part of the Northeast Ozone Transport Region (OTR).

3.4 HUMAN ENVIRONMENT

3.4.1 Solid Waste Management Units and the Installation Restoration Program

On July 14, 1989, the USEPA proposed the SEDA for inclusion on the National Priorities List (NPL). At the time of proposing SEDA for listing on the NPL, the USEPA wrote:

> "Seneca Army Depot is participating in the Installation Restoration Program (IRP) established in 1978. Under this program, the Department of Defense seeks to identify, investigate, and clean up contamination from hazardous materials.
>
> During preliminary investigations, the Army identified a number of potentially contaminated areas, including an unlined 13-acre landfill in the west-central portion of the depot, where solid waste and incinerator ah were disposed of intermittently for 30 years during 1941 and 1979; two incinerator pits adjacent to the landfill, where refuse was burned at least once a week during 1941-74; a 90-acre open burning ground/detonation area in the northwest portion of the depot, where explosives and related wastes have been burned and detonatec during the past thirty years; and the APE-1236 Deactivation Furnace in the east-central portion of the depot, where small arms are destroyed.
>
> Monitoring wells on the depot downgradient of the old landfill contain elevated concentrations of trans-1,2-dichloroethylene and trichloroethylene, according to tests conducted in 1987 by an Army contractor."

The USEPA recommendation was approved and finalized on August 30, 1990, when the SEDA was listed in Group 14 of the Federal Facilities portion of the NPL.

Once the SEDA was listed on the NPL, the Army, the USEPA, and New York State Department of Environmental Conservation (NYSDEC) identified 57 SWMUs where historic data or information suggested, or evidence existed to support, that hazardous substances or hazardous wastes had been handled and may have been released and migrated into the environment. Each of these sites was identified in the "Federal Facilities Agreement under CERCLA Section 120; Docket Number: II-CERCLA-FFA-00202" (USEPA, NYSDEC, and Army, 1993) signed by the three parties in 1993. The list of SWMUs contained in the Federal Facilities Agreement (FFA) was subsequently expanded to include 72 areas of concern (AOCs)

(80 actual sites) when the Army completed the "SWMU Classification Report," Final (Parsons, 1994), which was prepared as required by terms of the FFA.

In 1995, the SEDA was designated for closure under the Department of Defense's (DoD's) BRAC process. In accordance with requirements of BRAC, Woodward Clyde Federal Services was retained to conduct an EBS of the SEDA. Under this process, all areas at the Depot were assessed and classified into one of seven standard environmental condition of property area types consistent with the Community Environmental Response Facilitation Act (CERFA – Public Law 102-426) guidance and the DoD's "BRAC Cleanup Plan Guidebook" (DoD, 1993).

All of the original 72 SWMUs (81 sites) were categorized as part of the 1995 EBS. The EBS for SEDA also identified an additional 27 sites that were considered to be "Potential Contamination Areas." Each of these EBS identified sites was added to the overall listing of SWMUs that were subsequently subjected to study, investigation, and, if necessary, remedial action.

In 1998, the Army prepared the Archive Search Report for Seneca Army Depot (i.e., the "Site"). The purpose of this report was to compile ordnance related information via historical research at various archives and record-holding facilities, aerial photography review, interview with persons associated with the site, and a site inspection. The goal of this effort was directed at determining ordnance related areas on the "Site" that will require further investigation and possible removal actions prior to closure and transfer. The results of this effort, indicated that there were two locations not previously identified as an original SWMU or listed in the EBS as a "Potential Contaminated Area" (i.e., SEAD 002-R-01 and SEAD 007-R-01) that required additional investigation and possible actions.

In 1999, just prior to the implementation of preliminary investigations of the 27 sites that were added to the SWMU/AOC listing as a result of the 1995 EBS effort, the five additional AOCs (i.e., SEADs 119B, 120J, 121I, 122D, and 122E) were added to those requiring investigation and, if necessary, potential action. In total, 106 SWMUs encompassing 117 locations were identified as representing areas of potential environmental concern. Figure 3.2 presents the location and status of each of the SWMUs at the Depot. The project boundary is co-located in the figure to show which SWMUs are within the project area considered in this ECP. In summary, the number of SWMUs/AOCs present within each segment of the former Depot's property as designated by the Current Land Use Plan (Figure 3.1) and within the project area considered in this ECP is as follows:

Current Planned Land Use (from SCIDA)	Number of SWMUs/AOCs	Number of SWMUs/AOCs In Project Area
Institutional Training ("Q" Area)	9 (plus part of SEAD-53)	0
Residential/Resort Area	4	0
Planned Industrial / Office Development	32 (plus part of SEAD-47)	5
Warehousing Area	10	5
Loran Station	1	0
Prison Area	8	0
Airfield Area	5	2
Training Area	8 (plus part of SEAD-53)	7 (plus part of SEAD-53)
Development Reserve	8 (plus part of SEAD-53 and SEAD-65)	part of SEAD-53
Conservation Area	5 (plus part of SEAD-65)	0
Institutional Area (Hillside Adolescent Center)	14 (plus part of SEAD-47 and SEAD-53)	0
Lake Shore Housing	3	0
Green Energy	Part of SEAD-53	part of SEAD-53

Appendix B provides more detailed information on each of SWMUs within the ECP boundaries. Table B.1 presents a brief summary of the current status at former SWMUs and AOCs at the Seneca Army Depot. Table B.1 also identifies work continuing at these sites, and if land use restrictions have been applied. Table B.2 provides additional information regarding what land use restrictions may be applicable to each of the identified sites. Table B.3 identifies the primary chemicals that have been identified at each of the sites. Appendix C provides information on SWMUs outside of the ECP project area.

3.4.1.1 Active Sites

There are 29 SWMUs/AOCs at the SEDA where environmental work is ongoing. Six of these sites are located within the portion of the Depot considered in this ECP, while the remaining 23 are located in other portions of the depot. The 23 sites located outside of the project area are described in Section 3.5 – Adjacent Properties.

Sites subject to continuing work under CERCLA located within land currently anticipated to be used by Fort Drum include SEAD-26 and SEAD-121I in the Warehouse area and SEAD-4, SEAD-38, SEAD-11 and SEAD-48 in the Main Depot Area. Of these sites, SEAD-4 and SEAD-38 are currently the furthest from completion, while the other four sites area either awaiting the submittal and approval of the final ROD or notification and approval of Remedy-in-Place (RIP). Each of these sites is described below.

SEAD-26

A soil removal action was performed at SEAD-26 to remove soil that is contaminated primarily by carcinogenic polycyclic aromatic hydrocarbons (cPAHs). This removal action was recommended in the ROD, and the Remedial Action Construction Completion Report has been

submitted to the Environmental Protection Agency (EPA), the NYSDEC, and the New York State Department of Health (NYSDOH). No further work, other than required periodic CERCLA reviews, is anticipated at SEDA 26.

SEAD-121I

A soil cleanup action was performed at SEAD-121I to remove strategic stockpile ore pile residues (soil and asphalt, etc.) that was contaminated primarily manganese, and to a lesser extent by other metals (arsenic, cadmium, chromium, nickel, etc.). This cleanup action was performed as a stockpile mission termination action. The completion action for this work is in preparation and pending submittal to, and approval by, the EPA/NYSDEC/NYSDOH. A proposed plan and a ROD recommending imposition of residential use and groundwater access/use restrictions have been submitted to the regulatory authorities and are under review.

SEADs 4 and 38

A soil and sediment removal action is currently planned to occur at SEADs 4 and 38 to remove soil that is contaminated primarily by chromium, and secondarily by lead. Other metals at lesser concentrations are also present in the soils that will be excavated. Once this work is completed, SEDA will prepare a completion report, a proposed plan and a record of decision for this site.

SEAD-11

A removal action was performed at SEAD-11 to excavate an old construction debris landfill. Low levels of metals and cPAHs remain in the soil at SEAD-11. Additionally, there are residual concentrations of trichloroethylene, tetrachloroethylene, 4,6-dinitro-2-methylphenol, and manganese present in the groundwater beneath this site. There is no evidence that the groundwater plume has moved beyond the bounds of this site. A completion report has been submitted to the EPA NYSDEC, and NYSDOH, and the SEDA is awaiting comments or approval. Once the completion report is accepted, the SEDA expects to submit a proposed plan and a record of decision recommending no further action and no land use restrictions for this site.

SEAD-48

Eleven igloos (E0801 and E0811, SEAD-48) were previously used to store radioactive materials. Radioactive contaminant surveys and cleanup have been completed within and around these igloos, and a Final Status Survey Report was submitted to, and accepted by the Nuclear Regulatory Commission (NRC). The SEDA's NRC license has been terminated (see Appendix D for notice of termination). The proposed remedial action plan (PRAP) recommending no further action has been submitted and is awaiting approval. After approval, the ROD will be submitted (expected in 2008).

3.4.1.2 Closed Sites

Environmental investigations and remedial actions are complete at 82 SWMUs or AOCs at the SEDA. Thirty of the sites that were identified as a result of the 1995 BRAC EBS (Woodward-Clyde, 1997) were eliminated after limited investigations were performed and failed

to identify any environmental issues of concern. These sites were administratively closed outside of the typical regulatory remedial investigation, feasibility study, proposed plan and ROD pathway. The remaining 52 sites were closed in accordance with requirements and procedures normally required under Superfund and CERCLA. Thirty of the 52 sites that were closed in accordance with CERCLA and Superfund procedures were defined as No Action SWMUs. Another 12 SWMUs were closed as No Further Action sites as a result of interim remedial action that had been taken prior to the submittal and approval of the final ROD. The remaining 10 SWMUs were closed as sites that require LUCs. Table B.1 in Appendix B provides information regarding the identity of sites closed as No Action, No Further Action and LUC sites within the project area.

All closed sites in that are located in the PID and Warehouse area are subject to the overarching residential use and groundwater access/use restrictions that are imposed on an area-wide basis, based on the environmental conditions found in SEADs 27, 64A, and 66. The area included in the groundwater access/use restriction is shown on Figure 3.2. The PID/Warehouse area residential use and groundwater access/use restrictions can be waived on a site-by-site basis by future owners/occupants of the site by gaining regulatory approval that substantiates that the land use restriction is not necessary.

All sites located in the airfield area are subject to a land use restriction that prohibits residential activities within the land. This restriction is due to levels of cPAHs in the soil, which are at or above the acceptable level for residential receptors for carcinogenic risk.

3.4.2 Petroleum and Petroleum Products

3.4.2.1 Storage Tanks

Tables 3.1 and 3.2 provide a list of current and former storage tanks, respectively. This section provides a brief summary of above-ground storage tanks (ASTs) and underground storage tanks (USTs), within the project boundaries as well as any associated spills or petroleum contamination.

Above Ground Storage Tanks

There are nine active ASTs within the proposed project area: eight in the PID area and one in the Main Depot area. Ten ASTs have been removed from the project area; no spills are associated with any current or former ASTs in the project area.

Underground Storage Tanks

There are five active USTs within the project area; all in the PID area (see Table 3.1). There is no evidence of petroleum releases from any of these USTs.

Nineteen former USTs have been removed from the project area (Table 3.2). The following spills were documented in associated with the USTs:

- One #2 fuel oil leak was associated with a tank at Building 103 in the PID area in 1988 (NYSDEC Spill # 870958). The tank was removed and the spill was closed in 1988; no further remediation was required.

- Contaminated soil was discovered in 2000 during the removal of a 500-gallon UST at Building 106 in the PID area (NYSDEC Spill # 0004169). The spill was closed in 2003; no further remediation was required.
- Close-out soil sampling results associated with the removal of a 2,005-gallon used oil UST at Building 117 indicated that hydrocarbons had impacted the subsurface soil (NYSDEC # 9970632). Impacted soil was removed and the spill was closed in 2003.
- One jet fuel release was associated with a tank at Building 2310 at the airfield in 1988 (NYSDEC Spill # 8805363). The tank was removed, the area was remediated and the spill was closed in December 1988.
- Contaminated soil was discovered in 1993 during the removal of a 20,000-gallon UST at Building 2079 in the southern portion of the project area. The spill was assigned NYSDEC Spill #9307375. The spill was closed in July 1994; no further remediation was required.
- Building 120, a gas station, contained one 10,000-gallon UST containing gasoline and one 10,000-gallon UST containing diesel. These two tanks operated from 1942 to 1985, and were replaced in 1985. These tanks were in operation until 2001, and were removed in 2004. During removal, composite samples were taken that showed elevated petroleum compounds (NYSDEC Spill # 0470307). Remedial actions were taken, and the spill was closed in April 2005.
- Building 138, a car wash, contained a 3,000-gallon UST containing fuel oil. Approximately 1,700 gallons of fuel oil were released in 1992, and drained into a storm drain, into a drainage ditch and ultimately into Kendaia Creek (NYSDEC Spill # 9209672). Remedial actions were taken and the spill was closed in 1994.

3.4.2.2 Non-Storage Tank Petroleum Storage, Release or Disposal

PID Area: (U.S. Army, 2003a):

Two buildings within the PID area (Buildings 117 and 118) stored lubricating and hydraulic oils. There is no evidence of any releases or disposal inside Building 117. Building 118 had a 2-gallon diesel spill in 1992 (NYSDEC 9204312). All necessary remedial actions were taken.

Warehouse Area: (U.S. Army, 2003a; Woodward-Clyde, 1997):

- Five gallons of hydraulic oil were spilled around the perimeter of Building 349 (NYSDEC 9109685) in 1991. All necessary remedial actions were taken.
- A fuel line broke on a truck near Building 342, releasing 30 gallons of diesel fuel to the surrounding area in 1996 (NYSDEC Spill #9601515). All necessary remedial actions were taken.

Main Depot Area: (U.S. Army, 2003b):

The following product releases in reportable quantities occurred in the main depot area comprising the earthen bunkers:

- Hydraulic oil was spilled into a drainage ditch near Building C 0509 in 1992 (NYSDEC #9206638). The area was remediated and the spill was closed in 1992.
- Hydraulic oil was spilled onto the shoulder of the road at the intersection of Fayette Road and the E 0100 Igloo Road in 1996 (NYSDEC #9513854). The area was remediated and the spill closed in 1996.
- Hydraulic oil was spilled onto the shoulder of the road at the intersection of Fayette Road and the E 0800 Igloo Road in 1996 (NYSDEC #9515296). The area was remediated and the spill closed in 1996.
- A #2 fuel oil return line leaked into the floor drain of Building 2073 in 1992 (NYSDEC #9209232). The area was remediated and the spill closed in 1992.

Airfield: (U.S. Army, 2005):

No non-UST/AST petroleum products were stored in this area. Two jet fuel spills occurred near Building 2305 (NYSDEC # 9100721 and NYSDEC # 9112997). The spills were remediated at the time of release and both spills were closed. In addition, a 25-gallon #2 fuel oil spill occurred near Building 2305 due to overfill of an oil tank in 1991 (NYSDEC Spill # 9011429). All necessary remedial actions were taken.

3.4.3 Utilities

3.4.3.1 Sanitary Wastewater

The PID and warehouse areas are served by a system that incorporates a pumping station at Building 314 and treatment at Building 4 (Sewage Treatment Plant [STP] 4). A New York State Discharge Elimination System (SPDES) permit is in place for STP 4 (NY0021296). Treated sewage from STP 4 is discharged into Kendig Creek, which eventually flows to Cayuga Lake (Woodward Clyde, 1997; USEPA, 2003). Remaining buildings with sanitary facilities discharge to septic tanks (Woodward Clyde, 1997).

3.4.3.2 Electric System

Electrical power at the SEDA is supplied by New York State Electric and Gas Corporation (NYSEG) through an off-site substation located less than a mile north of the main entrance to the former Depot (Woodward Clyde, 1997; RKG Associates, Inc., 1996). The igloos within the project area do not have an electric supply; the airfield, PID area and warehouses are connected to the electrical system.

3.4.3.3 Heating System

Heating systems at SEDA include three central steam systems and individual building fuel-fired systems (USACE, 1998). None of the bunkers and many of the warehouses were ever connected to the central heating systems. Buildings that do have heat supplied to them, such as at the airfield and in the PID area, are heated through oil-fired systems (Woodward Clyde, 1997).

3.4.3.4 Water Supply

The water distribution system is comprised of many different pipe materials, including ductile iron, cast iron, cement, and PVC pipes ranging from 6 inches to 12 inches. The system is

supplied from the Town of Varick (USACE, 1998). The bunkers do not have a water supply; warehouses have their water system disconnected, although the pipes can be easily reconnected (personal communication, 2007).

3.4.4 Hazardous Materials Storage

3.4.4.1 Pesticides

Pesticides were stored in several warehouses, including Buildings 327 and 343. Buildings 330 and 331 possibly also stored hazardous materials, including pesticides. Building 335 was used as a pest control shop and is designated SEAD-68. Building 323 was used for shipping.

3.4.4.2 Medical/Biohazardous Waste

A preventative medicine laboratory was located in Building 106, also designated SEAD-42. Medical waste materials were stored in this facility in appropriate biohazard containers. No evidence of any medical waste or releases has been found (Woodward Clyde, 1997)

3.4.4.3 Unexploded Ordnance

No unexploded ordnance is known to exist within the project boundaries.

3.4.4.4 Radioactive Materials and Waste

The following buildings within the proposed project area were used for radiological activities:

PID Area: (U.S. Army, 2003a)

- Building 116 – used to store calibration standards containing small amounts of cobalt-57, thorium-230, technetium-99, cesium-137, americium-241, and natural uranium. No evidence or record of a release of any of these materials has been found.

Warehouse Area: (U.S. Army, 2003a)

- Building 324 – used to store Columbite ore from 1954 to 1973. No evidence or record of a release of Columbite ore has been found.

Main Depot Area: (U.S. Army, 2003b)

- Buildings 2073 and 2084 were used as a staging point to prepare the depleted uranium (U-238) ammunition for shipment. Ammunition was not removed from shipping containers, and no releases of radiological materials have been detected.
- 113 ammunition igloos were used to store packaged depleted uranium (U-238) ammunition. Ammunition was not removed from shipping containers, and no releases of radiological materials were detected.
- Ammunition igloo A0701 was used to store anti-tank rockets containing promethium-147. rockets were not removed from their shipping containers

There is no evidence that radioactive material or sources were stored or used at the airfield (U.S. Army, 2005).

The SEDA requested termination of its NRC materials license and release of the facility for unrestricted use on June 15, 2004, and was accepted June 18, 2007. Appendix D provides the letter from the NRC to SEDA confirming termination of the materials license.

3.4.4.5 Paints, Solvents and Hazardous Liquids

The following buildings within the proposed project area were used for storage of paints, solvents and other hazardous liquids:

PID Area: (U.S. Army, 2003a)

- Buildings 117 and 118 – Used for motorized heavy equipment, and stored paints, solvents, antifreeze, acids and degreasers. No evidence or record of a release of any of these materials has been found.
- Building 121 – Used as a central heating plant from 1943 to 1999, and contained paints, solvents, degreasers and corrosives. No evidence or record of a release of any of these materials has been found.
- Building 122 – Used as a work shop, and contained paints, solvents, degreasers and antifreeze. No evidence or record of a release of any of these materials has been found.
- Building 124 – Used as a sign shop, and contained paints, solvents and inks. No evidence or record of a release of any of these materials has been found.
- Building 125 – Used as a paint shop, and contained paints and solvents. No evidence or record of a release of any of these materials has been found.

Warehouse Area: (U.S. Army, 2003a)

- Buildings 323 – Used for shipping and receiving, and contained paint materials, pesticides, soda ash, acids, decontamination solution 2 (DS2), and antifreeze. DS2 was spilled in 1992 (NYSDEC # 9112897). The spill was cleaned up and the associated spill number was closed. No further action was necessary. In 1994, a forklift punctured a 5-gallon can of DS-2. The spill was neutralized and cleaned up (NYSDEC #9312597). No further action was required.
- Buildings 326, 327 and 343 – Used for hazardous materials storage, including chlorine impregnate, pesticides, soda ash and antifreeze. No evidence or record of a release of any of these materials has been found.
- Building 330 – Used for DS2 storage. DS2 was spilled in 1993 (NYSDEC # 9306000). The spill was cleaned up and the associated spill number was closed. No further action was necessary.
- Building 331 – Used for storage of Army personnel equipment including decontamination kits which contained ethanol. In 1992 a forklift being transported on a flatbed trailer fell over and crushed a battery, spilling sulfuric acid onto the ground

The ACM in the warehouses includes transite wall board which is non-friable. Buildings 345 and 348 did contain ACM but all ACM was removed in 2001 (U.S. Army, 2003a).

Main Depot Area:

- Building 2077 (pipe insulation)
- Building 2078 (floor tile and transite roof)
- Building 2079 (transite roof)

All ACM present in the Main Depot Area is non-friable. Buildings 2076 and 2084 did contain ACM; all ACM was removed from Building 2084 in 1992 and from Building 2076 in 2002. In addition, Building 2079 did contain ACM pipe insulation that was removed in 2002 (U.S. Army, 2003b).

3.4.7 Polychlorinated Biphenyls

The electrical distribution system on the site was transferred to the SCIDA on February 25, 2003. The system does include transformers that contain PCBs. No PCB spills have been reported on the site (U.S. Army, 2003a; 2003b; 2005).

3.4.8 Radon

Seneca County is listed as a Zone two for radon [46, 47, 48]. In Zone two areas, 99-percent of living areas and 92-percent of basements are below the USEPA radon action level of 4.0 picocuries per liter (pCi/L).

Radon surveys were conducted at the SEDA in 1988, 1991 and 1994, although not all buildings were included. One building in the PID area, Building 115 had a reading of 7.3 pCi/L. A retest was performed with a reading of 5.5 pCi/L. No other buildings in the project area had radon levels above the EPA residential action level (U.S. Army, 2003a; 2003b; 2005).

3.4.9 Lead-Based Paint

Lead-based paint is assumed to be present in all buildings constructed before 1978.

3.4.10 Cultural Resources

3.4.10.1 Archaeological Resources

Numerous archaeological investigations have been conducted at SEDA including an archaeological overview and management plan (Klein, 1986), investigations for an ash landfill remediation project (Oberon, 1995), and survey with shovel testing (Fiedel, 1995: 149 acres; Panamerican Consultants, Inc., 1997: 720 acres; Cooper et al., 1999: 4,192 acres; Cooper et al., 2000: 1,073 acres)(USACE Mobile District, 1998).

Prehistoric Sites

Six prehistoric sites are located on SEDA and consist of lithic scatters and a village on single and multicomponent sites dating to the Archaic and Woodland periods (U.S. Army,

All SWMUs located in the land transferred to the State of New York for use as the Five Points Correctional Facility are subject to the terms of a reversionary deed that stipulates that the property reverts to the US Government if the land is not used and maintained a correctional facility in perpetuity. All sites in the PID and warehouse areas located at the north end of the depot are subject to a groundwater contamination notification that is contained in the deed used to transfer this property to the SCIDA.

- Other Leaking Tanks, Spills, or Releases

  Numerous spills of petroleum or hazardous materials, including spills associated with leaking storage tanks, have occurred over the years at SEDA, including areas outside of the project boundaries (Woodward Clyde, 1997; U.S. Army, 2003a; U.S. Army, 2003b; U.S. Army, 2005). Most of these involved small quantities of materials that were either quickly cleaned up or remediated. No active spill numbers were identified for nearby upgradient properties (EDR, 2007).

3.5.1.2 Off-Installation Property

This section presents a summary of regulatory database findings for surrounding off-installation properties. A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). Because of the size of the project area, a radius of five miles was used to ensure adequate search coverage for all portions of the project area. Table 3.3 presents a summary of databases searched, including a general description of database contents. Table 3.4 presents a summary of the search result counts by distance from the center of the project area. Table 3.5 presents a brief analysis of listed facilities upgradient of the project boundaries (i.e., those with potential impact to the project area). The records search includes a listing of orphan sites. The orphan sites upgradient of the project boundaries are presented in Table 3.6. Based on the analysis, none of the surrounding properties appear to have had activities or occurrences with potential to impact the project area.

TABLE 3.1
CURRENT STORAGE TANK SUMMARY

Building Number/ Location	AST/UST	Contents	Size (Gallons)	Installation Date	Associated Spills
101/PID Area	AST	#2 Fuel Oil	1,000	1996	None
102/PID Area	AST	Diesel	285	1995	None
103/ PID Area	UST	#2 Fuel Oil	2,500	1988	None
118/PID Area	AST	Used Oil	150	2001	None
	AST	Diesel	500	2001	None
126/ PID Area	UST	#2 Fuel Oil	550	1980	None
137/PID Area	AST	Diesel	500	1998	None
142/PID Area	AST	#2 Fuel Oil	275	1942	None
	AST	#2 Fuel Oil	275	1942	None
	AST	#2 Fuel Oil	275	1942	None
2086/ Main Depot Area	AST	#2 Fuel Oil	285	1995	None

TABLE 3.2
FORMER STORAGE TANK SUMMARY

Building Number/ Location	AST/UST	Contents	Size (Gallons)	Installation Date	Removal Date	Associated Spills
101/ PID Area	UST	#2 Fuel Oil	3,000	1942	1996	None
102/PID Area	AST	Gasoline	275	1942	1995	None
	UST	#2 Fuel Oil	3,000	1943	1988	None
103/PID Area	UST	#2 Fuel Oil	3,000	1943	1988	NYSDEC Spill # 870958 in 1988
106/PID Area	UST	#2 Fuel Oil	5,000	1977	1996	None
	AST	#2 Fuel Oil	1,000	1996	Closed in place in 1999	None
	UST	#2 Fuel Oil	500	1977	2000	NYSDEC Spill # 0004169 in 2000
107/PID Area	AST	Diesel	550	1990	Closed in place in 2001	None
117/PID Area	UST	Used Oil	2,005	1983	1999	NYSDEC Spill # 9970632 in 1999
	AST	Kerosene	275	1977	1985	None
118/PID Area	UST	Used Oil	500	1942	1993	None
	AST	Used Oil	500	1993	2001	None
120/ PID Area	UST	Gasoline	20,000	1985	2004	NYSDEC Spill # 0470307 in 2004
	UST	Diesel	10,000	1985	2004	NYSDEC Spill # 0470307 in 2004
	UST	Gasoline	10,000	1942	1985	None
	UST	Diesel	10,000	1942	1985	None
121/ PID Area	UST	#6 Fuel Oil	30,000	1943	Stopped operation in 1999. In-place and contains ~ 3,000 gallons of fuel oil	None
137/PID Area	UST	Diesel	500	1984	1998	None
138/ PID Area	UST	#2 Fuel Oil	3,000	1985	1993	NYSDEC Spill # 9209672 in 1992
	AST	#2 Fuel Oil	500	1993	2003	None

TABLE 3.2 (CONTINUED)
FORMER STORAGE TANK SUMMARY

Building Number/ Location	AST/UST	Contents	Size (Gallons)	Installation Date	Removal Date	Associated Spills
2306/ Airfield	UST	#2 Fuel Oil	1,000	1957	1996	None
	AST	#2 Fuel Oil	2,000	1996	2004	None
2310/ Airfield	UST	Jet Fuel	17,000	1981	1988	NYSDEC Spill # 8805363 in 1988
	UST	Jet Fuel	30,000	1990	2004	
2086/ Main Depot Area	AST	#2 Fuel Oil	275	1942	1995	None
2073/ Main Depot Area	UST	#2 Fuel Oil	3,000	1950	2000	None
2076/ Main Depot Area	AST	#2 Fuel Oil	275	1954	1998	None
2079/ Main Depot Area	AST	Diesel	275	1952	1970s	None
	UST	#6 Fuel Oil	10,000	1946	1994	None
	UST	#6 Fuel Oil	20,000	1946	1994	NYSDEC Spill # 9307375 in 1993

TABLE 3.3
DATABASE SUMMARY

Acronym	Title of Database - Date of Data (date of last update contact)	Description of Database
NPL	National Priorities List - July 2007	The NPL (Superfund) is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices. Proposed NPL, delisted NPL, and NPL sites with liens are also included.
RCRIS CA	Resource Conservation and Recovery Information – October 2007.	RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System -- September 2007	CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.
NFRAP	No Further Remedial Action Planned Sites – September 2007	Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.
CORRACTS	Corrective Action Report – September 2007	CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.
HMIRS	Hazardous Materials Information Reporting System – October 2007	HMIRS contains hazardous material spill incidents reported to DOT.

TABLE 3.3 (CONTINUED)
DATABASE SUMMARY

Acronym	Title of Database/Date of Data	Description of Database
ERNS	Emergency Response Notification System – October 2007	ERNS records and stores information on reported releases of oil and hazardous substances.
US ENG CONTROLS	Engineering Controls Sites List – October 2007	A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.
US INST CONTROL:	Sites with Institutional Controls	A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.
DOD	Department of Defense Sites – August 2007	This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.
FUDS	Formerly Used Defense Sites – October 2007	The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working
US BROWNFIELDS	Brownfields Sites – September 2007	Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.
CONSENT	Superfund (CERCLA) Consent Decrees – September 2007	Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.
ROD	Records Of Decision – October 2007	Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.
UMTRA	Uranium Mill Tailings Sites – September 2007	Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

TABLE 3.3 (CONTINUED)
DATABASE SUMMARY

Acronym	Title of Database/Date of Data	Description of Database
ODI	Open Dump Inventory – June 2004	An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.
TRIS	Toxic Chemical Release Inventory System – September 2007.	Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.
TSCA	Toxic Substances Control Act – October 2007	Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.
FTTS	FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/ TSCA (Toxic Substances Control Act) Tracking System – September 2007	FIFRA /TSCA FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act).
FTTS INSP	FIFRA/ TSCA Tracking System – September 2007	A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.
SSTS	Section 7 Tracking Systems – October 2007	Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.
LUCIS	Land Use Control Information System – September 2007	LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.
DOT OPS	Incident and Accident Data – August 2007	Department of Transporation, Office of Pipeline Safety Incident and Accident data.
ICIS	Integrated Compliance Information System – October 2007	The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing – September 2007	A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.
CDL	Clandestine Drug Labs – October 2007	A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.
RADINFO	Radiation Information Database – August 2007	The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.
LIENS 2	CERCLA Lien Information – August 2007	A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

TABLE 3.3 (CONTINUED)
DATABASE SUMMARY

Acronym	Title of Database/Date of Data	Description of Database
PADS	PCB Activity Database System – August 2007	PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.
MLTS	Material Licensing Tracking System – October 2007	MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.
MINES	Mines Master Index File – September 2007	Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.
FINDS	Facility Index System/Facility Registry System – October 2007	Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).
RAATS	RCRA Administrative Action Tracking System – August 2007	RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.
BRS	Biennial Reporting System - September 2007	The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.
USGS WATER WELLS	National Water Information System (NWIS) - March 2005	This database consists of well records in the United States. Available site descriptive information includes well location information (latitude and longitude, well depth, site use, water use, and aquifer).
PWS	Public Water System Data – August 2007	This Safe Drinking Water Information System (SDWIS) file contains public water systems name and address, population served and the primary source of water
HSWDS	Hazardous Substance Waste Disposal Site Inventory – August 2007	The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.
SHWS	Inactive Hazardous Waste Disposal Sites in New York State – September 2007	Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites
DEL SHWS	Delisted Registry Sites – September 2007	A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

TABLE 3.3 (CONTINUED)
DATABASE SUMMARY

Acronym	Title of Database/Date of Data	Description of Database
SWF/LF	Facility Register - July 2007	Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.
SWTIRE	Registered Waste Tire Storage & Facility List - August 2007	A listing of facilities registered to accept waste tires.
SWRCY	Registered Recycling Facility List – July 2007	A listing of recycling facilities.
LTANKS	Spills Information Database – October 2007	Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.
HIST LTANKS	Listing of Leaking Storage Tanks – July 2007	A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.
UST	Petroleum Bulk Storage (PBS) Database – October 2007	Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.
CBS UST	Chemical Bulk Storage Database – October 2007	Facilities that store regulated hazardous substances in underground tanks of any size
MOSF UST	Major Oil Storage Facilities Database – July 2005	Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.
HIST UST	Historical Petroleum Bulk Storage Database – October 2006	These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.
AST	Petroleum Bulk Storage – October 2007	Registered Aboveground Storage Tanks
HIST AST	Historical Petroleum Bulk Storage Database – October 2006	These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.
CBS AST	Chemical Bulk Storage Database – July 2005	Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.
MOSF AST	Major Oil Storage Facilities Database – July 2005	Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.
NY MANIFEST	Facility and Manifest Data – August 2007	Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.
SPILLS	Spills Information Database – October 2007	Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.
HIST SPILLS	SPILLS Database - July 2005	This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

TABLE 3.3 (CONTINUED)
DATABASE SUMMARY

Acronym	Title of Database/Date of Data	Description of Database
ENG CONTROLS	Registry of Engineering Controls – September 2007	Environmental Remediation sites that have engineering controls in place.
INST CONTROL	Registry of Institutional Controls – September 2007	Environmental Remediation sites that have institutional controls in place.
VCP	Voluntary Cleanup Agreements – September 2007	New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.
DRYCLEANERS	Registered Drycleaners – May 2004	A listing of all registered drycleaning facilities.
BROWNFIELDS	Brownfields Site List – September 2007	A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.
SPDES	State Pollutant Discharge Elimination System – August 2007	New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.
AIRS	Air Emissions Data – August 2007	Point source emissions inventory data.
MOSF	Major Oil Storage Facility Site Listing – October 2007	These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.
CBS	Chemical Bulk Storage Site Listing – October 2007	These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size
INDIAN RESERV	Indian Reservations – August 2007	This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.
INDIAN LUST R2	Leaking Underground Storage Tanks on Indian Land – August 2007	A listing of leaking underground storage tank locations on Indian Land.
Manufactured Gas Plants	EDR Proprietary Manufactured Gas Plants	The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

TABLE 3.4
SUMMARY OF DATABASE FINDINGS

Database	TP	Distance (Miles)	< 1/8	1/8 - ¼	1/4 - ½	1/2 – 1	> 1	Total Plotted
FEDERAL RECORDS								
NPL	Yes	5	0	0	0	0	0	0
Proposed NPL		5	0	0	0	0	0	0
Delisted NPL		5	0	0	0	0	0	0
NPL LIENS		5	0	0	0	0	0	0
CERCLIS	Yes	5	0	0	0	0	0	0
CERC-NFRAP		5	0	0	0	0	0	0
CORRACTS	Yes	50	0	0	0	0	0	0
RCRA TSD	Yes	5	0	0	0	0	0	0
RCRA Lg. Quan. Gen.	Yes	5	0	0	0	0	0	0
RCRA Sm. Quan. Gen.	Yes	5	0	0	0	0	6	6
ERNS		5	0	0	0	0	1	1
HMIRS		5	0	0	0	0	0	0
US ENG CONTROLS	Yes	5	0	0	0	0	0	0
US INST CONTROL	Yes	5	0	0	0	0	0	0
DOD		5	1	0	0	0	0	1
FUDS		5	0	0	0	0	1	1
US BROWNFIELDS		5	0	0	0	0	0	0
CONSENT		5	0	0	0	0	0	0
ROD	Yes	5	0	0	0	0	0	0
UMTRA		5	0	0	0	0	0	0
ODI		5	0	0	0	0	0	0
TRIS		5	0	0	0	0	0	0
TSCA		5	0	0	0	0	0	0
FTTS		5	0	0	0	0	1	1
SSTS		5	0	0	0	0	0	0
LUCIS		5	0	0	0	0	0	0
DOT OPS		5	0	0	0	0	0	0
ICIS	Yes	5	0	0	0	0	1	1
DEBRIS REGION 9		5	0	0	0	0	0	0
HIST FTTS		5	0	0	0	0	1	1
CDL		5	0	0	0	0	0	0
RADINFO	Yes	5	0	0	0	0	0	0
LIENS		2 5.	0	0	0	0	0	0
PADS	Yes	5	0	0	0	0	0	0
MLTS		5	0	0	0	0	0	0
MINES		5	0	0	0	0	0	0
FINDS	Yes	5	0	0	0	0	34	34
RAATS		5	0	0	0	0	0	0

TABLE 3.4 (CONTINUED)
SUMMARY OF DATABASE FINDINGS

STATE AND LOCAL RECORDS

Database	TP	Distance (Miles)	< 1/8	1/8 - ¼	¼ - ½	½ – 1	> 1	Total Plotted
State Haz. Waste	Yes	5	0	0	0	0	0	0
HSWDS		5	0	0	0	0	0	0
DEL SHWS		5	0	0	0	0	0	0
State Landfill		5	0	0	0	0	1	1
SWRCY		5	0	0	0	0	0	0
SWTIRE		5	0	0	0	0	0	0
LTANKS	Yes	5	0	0	0	0	8	8
HIST LTANKS	Yes	5	0	0	0	0	7	7
UST	Yes	5	0	0	0	0	6	6
CBS UST		5	0	0	0	0	0	0
MOSF UST		5	0	0	0	0	0	0
HIST UST	Yes	5	0	0	0	0	9	9
AST	Yes	5	0	0	0	0	5	5
HIST AST	Yes	5	0	0	0	0	5	5
CBS AST		5	0	0	0	0	1	1
MOSF AST		5	0	0	0	0	0	0
MANIFEST	Yes	5	0	0	0	0	3	3
NY Spills	Yes	5	0	0	0	1	27	28
NY Hist Spills	Yes	5	0	0	0	1	23	24
ENG CONTROLS		5	0	0	0	0	0	0
INST CONTROL		5	0	0	0	0	0	0
VCP		5	0	0	0	0	0	0
DRYCLEANERS		5	0	0	0	0	0	0
BROWNFIELDS		5	0	0	0	0	0	0
SPDES	Yes	5	0	0	0	2	1	3
AIRS		5	0	0	0	0	0	0
RES DECL		5	0	0	0	0	0	0
E DESIGNATION		5	0	0	0	0	0	0
MOSF		5	0	0	0	0	0	0
CBS		5	0	0	0	0	1	1

TRIBAL RECORDS

INDIAN RESERV		5	0	0	0	0	0	0
INDIAN LUST		5	0	0	0	0	0	0
INDIAN UST		5	0	0	0	0	0	0

EDR PROPRIETARY RECORDS

Manufactured Gas Plants		5	0	0	0	0	0	0

TP: Target Property

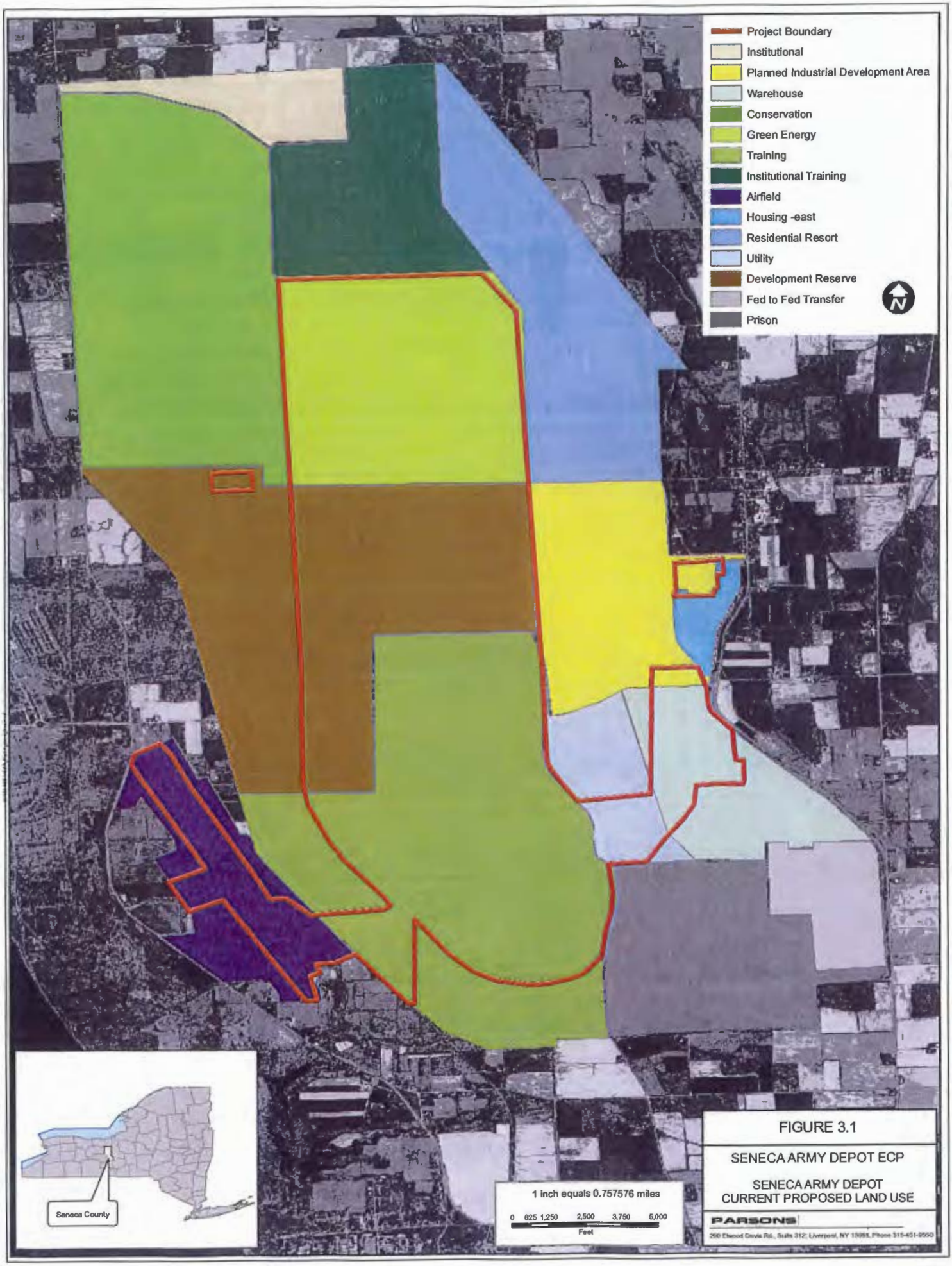
TABLE 3.5
OFF-PROPERTY DATABASE FINDINGS

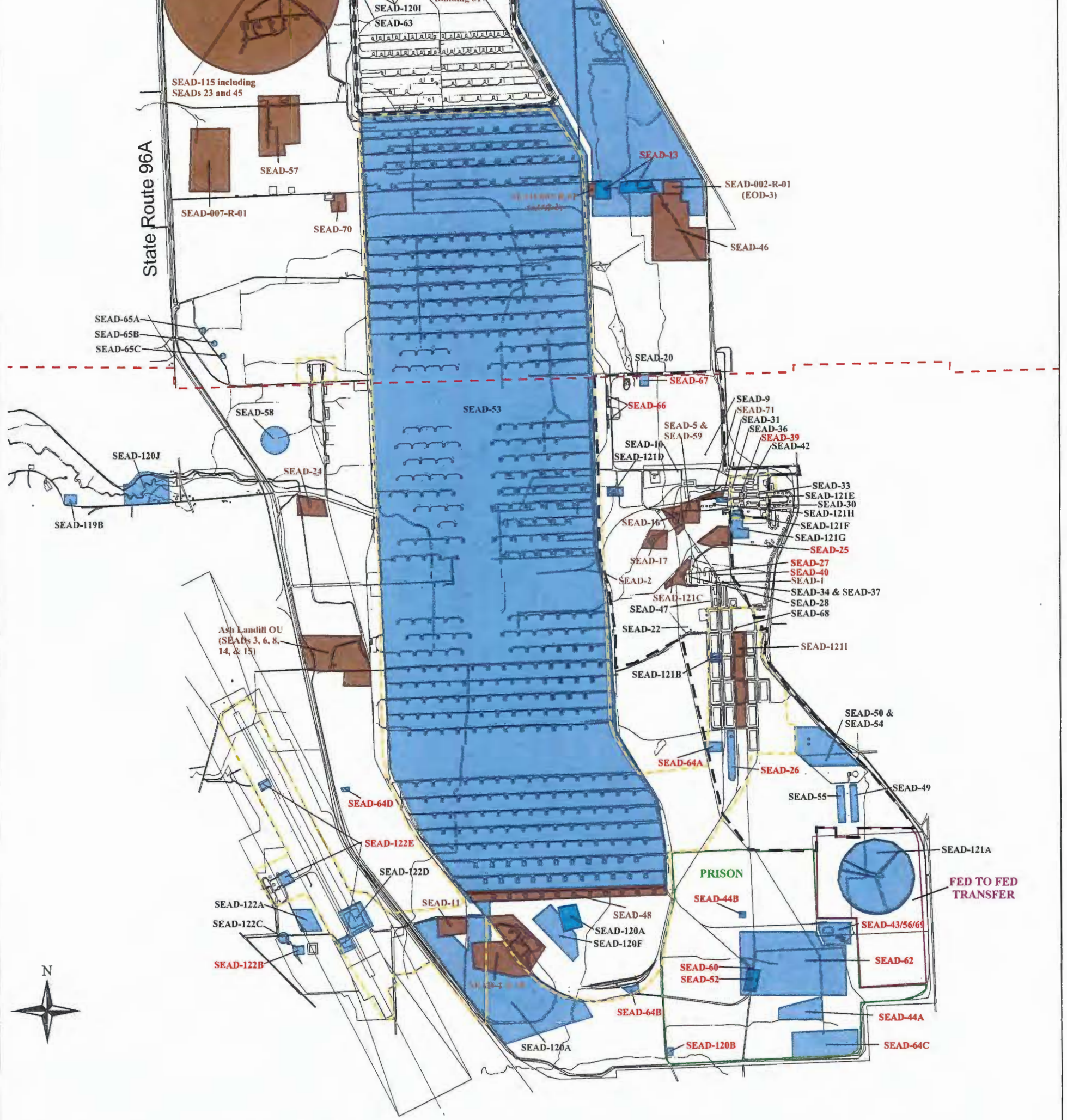
Facility Name and Address	Dist. (miles)/Dir.	Identifying Database(s)	Comments
U.S. Coast Guard Loran-C Station 5786 State Route 96	Within SEDA boundaries	RCRA, FINDS, MANIFEST, AST	No records of release.
Service Station c/o Routes 96/414	>2/S	RCRA, FINDS	No records of release and cross-gradient.
Romulus Central School District 5705 Main Street	1-2/E	FTTS, HIST FTTS	No records of release.
Ovid Clinic (Schuyler Hospital) 2138 West Seneca Street	>2/S	ICIS, FINDS	No records of release and cross-gradient.
Wolverton Abadoned Station 5777 Route 96	1-2/E	LTANKS, HIST LTANK	Spill case closed in 2001
Romulus Town Garage 6804 County Road 129	>2/SE	LTANKS, HIST LTANK, HIST UST, AST	Spill case closed in 1991 and down-gradient (1).
Covert Farms 5666 Route 414	>2/E	UST, AST	No records of release.
NR Boyce, Inc. Route 96 and 96A	>2/SSE	UST	No records of release and cross-gradient.
Try Us Gas Station Route 96/County Route 1	>2/E	SPILLS, HIST SPILLS	Spill closed in 1994.
Five Points Correctional Facility 6600 State Route 96	Within SEDA boundaries.	SPILLS, RCRA, MANIFEST, AST, HIST AST	Spill closed in 2005.
Howards Express Routes 96 and 96A	>2/S	SPILLS, HIST SPILLS	Cross-gradient and closed in 1993.
Sun Rise Food Store Route 414 and Route 96	>2/S	SPILLS, HIST SPILLS	Cross-gradient and spill number still active..
Gulf Oil Tanks Routes 96 and 96A	>2/S	SPILLS, HIST SPILLS	Cross-gradient and closed in 1974.
Bobs Auto Service Route 414 and Route 96	>2/S	SPILLS, HIST SPILLS	Cross-gradient and closed in 1996.
Creekside Auto Service 2084 West Seneca Street	>2/S	SPILLS	Cross-gradient and closed in 2004.
Newark Disability Developmental Center 7166 Main Street	>2/S	SPILLS, HIST SPILLS	Cross-gradient and closed in 1994.
Residence 2124 West Seneca Street	>2/S	SPILLS	Cross-gradient and closed in 2004.
Geman Gas Company 2092 Water Street	>2/S	SPILLS	Cross-gradient and closed in 2005.
Cooks Oil Service County Route 129 and County Route 130	>2/SSE	SPILLS, HIST SPILLS	Spill case closed in 1991 and down-gradient (1).
Ovid Creek Sheen 2128 Water Street	>2/S	SPILLS, HIST SPILLS	Cross-gradient and closed in 1992.
John Limner 2129 Water Street	>2/S	SPILLS, HIST SPILLS	Cross-gradient and closed in 1986.

Note 1: East of groundwater flow divide between Seneca and Cayuga Lakes.

TABLE 3.6
OFF-PROPERTY ORPHAN SITES

Site Name and Address	Identifying Database(s)	Comments
Lamoreaux/Quinn Route 414	LTANKS, HIST LTANKS	Spill case closed in 1988.
Elmore (Willie) Residence Route 414	LTANKS, HIST LTANKS	Spill case closed in 1994.
Dennis Landis 5083 Route 414	SWF/LF	Permitted landfill, no records of release.
Brown (William) Property 5132 Route 89	NY Spills, NY Hist Spills	Spill case closed 2005.
Romulus Central School Route 96	NY Spills, NY Hist Spills	Spill case closed in 1988.
Sawards Residence 5526 Route 96	NY Spills, NY Hist Spills	Spill case closed in 1996.
ARG Trucking 5 Points Route 96	NY Spills, NY Hist Spills	Spill case closed in 2000.
Varick Transfer Station 4782 route 96	SWF/LF	Permitted landfill, no records of release.
C&C Auto 5650 Route 96	NY Spills	Spill case closed 2006.
C&C Auto 5650 Route 96	NY Spills	Spill case closed 2004.
Five Points Correctional Facility Route 96	NY Spills	Spill case closed 2004.
Five Points Correctional Facility Route 96	NY Spills	Spill case closed in 2003.
Spring Meadow Apartments 5854 Route 96	NY Spills	Spill case open. Involved two amber containers. Corrective actions were taken. Final report submitted to NYSDEC Albany in 2006. Awaiting case closure.
Newharts Minimart 5624 Route 96	NY Spills	Spill case open. Contaminated soils found during removal of storage tank. Corrective actions were taken. Awaiting case closure. Spill date 5/07.
Newharts Minimart 5624 Route 96	UST/ HIST UST	Only associated spill with this address is listed above.
Seneca County Highway Department	UST	No records of release.
Seneca County Highway Department	HIST AST, HIST UST	No records of release.
Seneca County Highway Department Main Street	LTANKS, HIST LTANKS	Spill case closed in 1987.
Seneca County Highway Department 2017 Prospect Street	ICIS	No records of release.
Seneca County Highway Department 2017 Prospect Street	FINDS	No records of release.


Project Boundary
Institutional
Planned Industrial Development Area
Warehouse
Conservation
Green Energy
Training
Institutional Training
Airfield
Housing -east
Residential Resort
Utility
Development Reserve
Fed to Fed Transfer
Prison
N
Seneca County
1 inch equals 0.757576 miles
0 625 1,250 2,500 3,750 5,000
Feet
FIGURE 3.1
SENECA ARMY DEPOT ECP
SENECA ARMY DEPOT
CURRENT PROPOSED LAND USE
PARSONS
200 Elwood Davis Rd., Suite 312, Liverpool, NY 13088, Phone 315-451-9560


SEAD-120I
SEAD-63
SEAD-115 including SEADs 23 and 45
SEAD-57
SEAD-007-R-01
SEAD-70
State Route 96A
SEAD-13
SEAD-002-R-01 (EOD-3)
SEAD-46
SEAD-65A
SEAD-65B
SEAD-65C
SEAD-20
SEAD-67
SEAD-66
SEAD-58
SEAD-53
SEAD-9
SEAD-71
SEAD-31
SEAD-36
SEAD-39
SEAD-42
SEAD-5 & SEAD-59
SEAD-10
SEAD-121D
SEAD-120J
SEAD-24
SEAD-119B
SEAD-33
SEAD-121E
SEAD-30
SEAD-121H
SEAD-16
SEAD-121F
SEAD-121G
SEAD-25
SEAD-17
SEAD-27
SEAD-40
SEAD-2
SEAD-1
SEAD-34 & SEAD-37
SEAD-121C
SEAD-28
SEAD-47
SEAD-68
SEAD-22
SEAD-121I
Ash Landfill OU (SEADs 3, 6, 8, 14, & 15)
SEAD-121B
SEAD-50 & SEAD-54
SEAD-64A
SEAD-26
SEAD-49
SEAD-55
SEAD-64D
SEAD-121A
SEAD-122E
SEAD-122D
PRISON
FED TO FED TRANSFER
SEAD-122A
SEAD-11
SEAD-48
SEAD-44B
SEAD-122C
SEAD-120A
SEAD-120F
SEAD-43/56/69
SEAD-122B
SEAD-60
SEAD-62
SEAD-52
SEAD-64B
SEAD-44A
SEAD-120A
SEAD-120B
SEAD-64C
N
1500 0 1500 3000 4500 6000 Feet

SECTION 4

CONCLUSIONS

This section provides the summary of findings for the ECP for Fort Drum training at SEDA.

The property categories shown on Figure 4.1 reflect the ECP conclusions for the subject properties at SEDA. An explanation of each of the seven categories that may be applied is presented in Table 4.1.

The parcel designations in this section and on Figure 4.1 are based on the BRAC parcel numbers if those parcels were identified during the BRAC process, then the ECP designation in parentheses, the type of contamination present (PS – petroleum storage; PR – petroleum release or disposal; HS – hazardous substance storage; HR – hazardous substance release or disposal), and the corresponding SEAD if applicable. Examples are:

2(1) – indicates BRAC Parcel Number 2, designated at Category 1 (Areas where no release or disposal of hazardous or petroleum substances has occurred, including no migration of these substances from adjacent areas).

66(5)HR (SEAD 26) – indicates BRAC Parcel Number 66, designated as Category 5 (Areas where release, disposal, and/or migration of hazardous substances have occurred and all removal or remedial actions are underway, but not yet completed), with a hazardous substance release. This parcel is also designated as SEAD-26.

Occasionally a parcel has been identified after the BRAC process, and no BRAC parcel number exists. In these instances, either the Building number or SEAD number is used as the first identifier, such as:

SEAD-120A(3)HR/PR – indicates SEAD-120, designated as Category 3 (Areas where release, disposal, and/or migration of hazardous substances have occurred, but at concentrations that do not require removal or remedial response), with a hazardous release and petroleum release.

The parcel names and categories provided in Figure 4.1 are provided below, and are separated by area (Airfield, Main Depot, PID Area, and Warehouse).

Airfield

2(1). There is no evidence that release or disposal of hazardous or petroleum substances have occurred (including no migration of these substances from adjacent areas) in the airfield area not otherwise denoted.

56(2)PR (SEAD-122D). This parcel is also designated SEAD-122D and is associated with three jet fuel spills. No further remediation is required at the site.

minimal impacts to the environment have occurred. This parcel was addressed in a limited risk assessment dated May 2002 and was determined by the Army not to require further action.

SEADs 4 & 38(5)HR/PR. This parcel is associated with a munitions washout facility and boiler plant blowdown leach pit. A soil and sediment removal action is currently planned to occur at SEADs 4 and 38 to remove soil that is contaminated primarily by chromium, and secondarily by lead. Other metals at lesser concentrations are also present in the soils that will be excavated. Once this work is completed, SEDA will prepare a completion report, a proposed plan and a record of decision for this site. In addition two fuel oil spills are associated with this parcel (NYSDEC Spill # 9209232 and 9307375). All necessary remedial actions were taken.

SEAD 11(5)HR. This parcel is associated with an old construction debris landfill. A removal action was performed at SEAD-11 to excavate an old construction debris landfill. Low levels of metals and cPAHs remain in the soil at SEAD-11. Additionally, there are residual concentrations of trichloroethylene, tetrachloroethylene, 4,6-dinitro-2-methylphenol, and manganese present in the groundwater beneath this site. There is no evidence that the groundwater plume has moved beyond the bounds of this site. A completion report has been submitted to the EPA and the NYSDEC, and NYSDOH, and the SEDA is awaiting comments or approval. Once the completion report is accepted, the SEDA expects to submit a proposed plan and a record of decision recommending no further action and no land use restrictions for this site.

SEAD-48(4)HS/HR. This parcel is associated with pitchblende storage igloos. Eleven igloos (E0801 through E0811) were previously used to store radioactive materials. Radioactive contaminant surveys and cleanup have been completed within and around these igloos, and a Final Status Survey Report was submitted to, and accepted by the NRC. The PRAP recommending no further action has been submitted and is awaiting approval. After approval, the ROD will be submitted.

PID Area

3(4). The entire PID area is classified as Category 4 due to a groundwater restriction in place as specified in the ROD for Sites Requiring Institutional Controls in the Planned Industrial/Office Development or Warehousing Areas (USEPA, 2004). The area included in the groundwater restriction is outlined with an orange dotted line on Figure 4.1. The restrictions are based on the environmental conditions found in SEADs 27, 64A, and 66. The Army acknowledges that only portions area under groundwater ICs, shown in Figure 3.2, has groundwater contamination present. The area designated as requiring institutional controls is defined by historic and existing security fence lines and roadways that exist at the site, and it not a delineation of specific groundwater contamination. The PID area residential use and groundwater access/use restrictions can be waived on a site-by-site basis by future owners/ occupants of the site by regulatory approval that the land use restriction is not necessary.

Within this parcel, the following additional environmental conditions exist:

- One 3,000-gallon UST containing fuel oil was removed due to a leak (NYSDEC Spill # 8706958). All necessary remedial actions were taken. A 2,500-gallon UST containing fuel oil was installed in 1988 and is still in operation.

and 66. The Army acknowledges that only portions area under groundwater ICs, shown in Figure 3.2, has groundwater contamination. The area designated as requiring institutional controls is defined by historic and existing security fence lines and roadways that exist at the site, and it not a delineation of specific groundwater contamination. The Warehouse area residential use and groundwater access/use restrictions can be waived on a site-by-site basis by future owners/occupants of the site by regulatory approval that the land use restriction is not necessary.

Within this parcel, the following additional environmental conditions exist:

- A fuel line broke on a truck near Building 342, releasing 30 gallons of diesel fuel to the surrounding area in 1996 (NYSDEC Spill #9601515). All necessary remedial actions were taken.
- In 1993, DS-2 was spilled in the loading area outside Building 330 (NYSDEC Spill # 9306000). All necessary remedial actions were taken.
- In 1992, a forklift being transported on a flatbed trailer fell off, rupturing the battery and spilling sulfuric acid near Building 331 (NYSDEC Spill # 9208729). All necessary remedial actions were taken.
- Decontamination solution 2 (DS2) was spilled in 1992 near Building 323 (NYSDEC # 9112897), cleaned up and closed. In 1994, a forklift punctured a 5-gallon can of DS-2. All necessary remedial actions were taken (NYSDEC #9312597).
- Three spills are associated with Building 349. NYSDEC Spill # 9109685 involving hydraulic oil was closed in 1991. NYSDEC Spill # 8604874 involved a #6 fuel oil spill; although the location was not given in the spill report, the BRAC EBS stated that the spill located in or near this building; the spill was closed in 1986. NYSDEC Spill #8904332 involved an unknown substance and was closed in 1989; although the location was not given in the spill report, the BRAC EBS stated that the spill originated from this site
- It had been reported that asbestos and debris have been dumped in the construction disposal area designated as SEAD-64A. This parcel was addressed in a limited risk assessment dated May 2002 and was determined by the Army not to require further action.
- A rumored PCB spill and is associated with SEAD-121B. There is no evidence of a spill at this location, and the Army determined the site does not require further action.
- Pesticides were stored in Building 335 (SEAD-68). This parcel was addressed in a limited risk assessment dated May 2002 and was determined by the Army not to require further action.

66(5)HR (SEAD 26). This parcel is associated with a fire training pit located to the south of Building 328 (SEAD-26). A soil removal action was performed at SEAD-26 to remove soil that is contaminated primarily by cPAHs. The Remedial Action Construction Completion Report has been submitted to the EPA, the NYSDEC, and the NYSDOH.

SEAD121I(5)HR. This parcel is associated with a rumored cosmoline oil disposal area. A soil cleanup action was performed at SEAD-121I to remove strategic stockpile ore pile residues

that was contaminated primarily manganese, and to a lesser extent by other metals. This cleanup action was performed as a stockpile mission termination action. The completion action for this work is in preparation and pending submittal to, and approval by, the EPA/NYSDEC/NYSDOH. A proposed plan and a ROD recommending imposition of residential use and groundwater access/use restrictions have been submitted to the regulatory authorities and are under review.

TABLE 4.1

ENVIRONMENTAL CONDITION OF PROPERTY CATEGORY SUMMARY

Category	Category Definition
Category 1	Areas where no release or disposal of hazardous or petroleum substances has occurred (including no migration of these substances from adjacent areas).
Category 2	Areas where only release or disposal of petroleum substances has occurred.
Category 3	Areas where release, disposal, and/or migration of hazardous substances have occurred, but at concentrations that do not require removal or remedial response.
Category 4	Areas where release, disposal, and/or migration of hazardous substances have occurred and all removal or remedial actions have been taken.
Category 5	Areas where release, disposal, and/or migration of hazardous substances have occurred and all removal or remedial actions are underway, but not yet completed.
Category 6	Areas where release, disposal, and/or migration of hazardous substances have occurred, but remedial actions have not been implemented.
Category 7	Areas that are not evaluated or require additional evaluation.

PID AREA 3(4)

WAREHOUSE AREA 3(4)

SEAD-121(5)HR

68(5)HR(SEAD-26)

17(3)HS/HR

147(2)PR

146(2)PR

SEAD-64B(3)HR

SEAD-48(5)HS/HR

SEAD-120A(3)HR/PR

SEAD-4 & 38(5)HR/PR

SEAD-120A(3)HR/PR

132(2)PR

MAIN DEPOT AREA

(3)1

SEAD-11(5)HR

56(2)PR(SEAD-122D)

(2)1

8(2)PS/PR

6(2)PS/PR

AIRFIELD AREA

SCALE: 1"=800'

LEGEND

- ECP BOUNDARY
- PID/WAREHOUSE-WIDE LAND USE RESTRICTIONS
- BRAC PARCEL BOUNDARY
- QUALIFIED PARCEL BOUNDARY
- ASPHALT ROAD
- GRAVEL ROAD
- RIVERS, LAKES, PONDS, DITCHES, ETC.
- ED601 FACILITY OUTLINE AND NUMBER

BRAC PARCEL LABEL DEFINITIONS

8(2)PS(SEAD-26)

- SEAD-26: SWMU DESIGNATION (IF CO-LOCATED WITH PARCEL NUMBER)
- PS: CONTAMINATION DESCRIPTION
  - PS PETROLEUM STORAGE
  - PR PETROLEUM RELEASE OR DISPOSAL
  - HS HAZARDOUS SUBSTANCE STORAGE
  - HR HAZARDOUS SUBSTANCE RELEASE OR DISPOSAL
  - (P) POSSIBLE (UNVERIFIED)
- 8(2): CATEGORY NUMBER
- BRAC ID, BUILDING NUMBER, OR SWMU NUMBER

CATEGORY DEFINITIONS

CATEGORY NUMBER	COLOR	ENVIRONMENTAL CONDITION OF PROPERTY
1		AREAS WHERE NO RELEASE, OR DISPOSAL OF HAZARDOUS SUBSTANCES OR PETROLEUM PRODUCTS HAS OCCURRED (INCLUDING NO MIGRATION OF THESE SUBSTANCES FROM ADJACENT PROPERTIES).
2		AREAS WHERE ONLY RELEASE OR DISPOSAL OF PETROLEUM PRODUCTS HAS OCCURRED.
3		AREAS WHERE RELEASE, DISPOSAL, AND/OR MIGRATION OF HAZARDOUS SUBSTANCES HAS OCCURRED, BUT AT CONCENTRATIONS THAT DO NOT REQUIRE A REMOVAL OR REMEDIAL RESPONSE.
4		AREAS WHERE STORAGE, RELEASE, DISPOSAL, AND/OR MIGRATION OF HAZARDOUS SUBSTANCES HAS OCCURRED, AND REMOVAL OR REMEDIAL ACTIONS TO PROTECT HUMAN HEALTH AND THE ENVIRONMENT HAVE BEEN TAKEN.
5		AREAS WHERE STORAGE, RELEASE, DISPOSAL, AND/OR MIGRATION OF HAZARDOUS SUBSTANCES OR HAS OCCURRED, AND REMOVAL OR REMEDIAL ACTIONS ARE UNDERWAY, BUT ALL REQUIRED ACTIONS HAVE NOT YET BEEN TAKEN.
6		AREAS WHERE STORAGE, RELEASE, DISPOSAL, AND/OR MIGRATION OF HAZARDOUS SUBSTANCES HAS OCCURRED, BUT WHERE REQUIRED ACTIONS HAVE NOT YET BEEN IMPLEMENTED.
7		AREAS THAT ARE NOT EVALUATED OR THAT REQUIRE ADDITIONAL EVALUATION.

NO.	DESCRIPTION	DATE	DRAWN	CHKD	APPVD
B	ISSUED FOR REVIEW	XX/XX/XX	CLW	XXX	
A	ISSUED FOR REVIEW	XX/XX/XX	CLW	XXX	

DRAWN BY	CLW	DATE 12/18/07
CHECKED BY		DATE
APPROVED BY		DATE
PROJECT MGR.		DATE

DWG. NO.

PARSONS

OFFICE: 290 ELWOOD DAVIS RD. LIVERPOOL, NY 13088 (315) 451-9560

JOB 745959

SUB 04000

PROJECT TITLE

SENECA ARMY DEPOT

SENECA ARMY DEPOT
NEW YORK

DRAWING TITLE

CATEGORY MAP

SCALE 1"=800'

DRAWING NO. FIGURE 4.1

REV. B

SECTION 5

CERTIFICATIONS

CERTIFICATION OF THE ENVIRONMENTAL BASELINE SURVEY

Parsons has conducted this Environmental Condition of Property report for select areas within the Seneca Army Depot Activity on behalf of the United States Army. The information contained within this ECP report is based on records made available to Parsons and, to the best of Parson's knowledge, is correct and current as of January 23, 2008.

Certified by: Kirsten M. Schuster Date: 1/23/08

Kirsten M. Schuster
Parsons Project Manager

Approved by: _____ Date: _____

Description/Name of area subject to ECP: Select Properties within the Seneca Army Depot Activity.

SECTION 6

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APPENDIX A

ENVIRONMENTAL DATA RESOURCES (EDR) REPORT FOR THE SEDA

See accompanying CD for EDR Report

APPENDIX B

SOLID WASTE MANAGEMENT UNITS WITHIN ECP BOUNDARY

TABLE B.1
Overview of SWMUs Within ECP Boundaries
Seneca Army Depot Activity

SWMU or AOC Number	CERFA Designation	SWMU or AOC Name/Identity	Source of SWMU/AOC				Work	
			Original SWMU	EBS Potential Contamination Area	ASR Site	Other Site	Ongoing	Complete
SEAD-4 & 38	57(6)PS/PR/HR (both SWMUs)	Munitions Washout Facility and Boiler Plant Blowdown Leach Pit, Bldg 2079	X				X	
SEAD-11	57(6)PS/PR/HR	Old Construction Debris Landfill	X				X	
SEAD-26	66(6)HR	Fire Training Pit	X				X	
SEAD-30	24(3)PS/PR/HS	Underground Waste Oil Tank, Bldg 118 (removed)	X					X
SEAD-33	87(6)PS/PR/HR(P)	Underground Waste Oil Tank, Bldg 121	X					X
SEAD-36	87(6)PS/PR/HR(P)	Waste Oil Burning Boilers, Bldg 121	X					X
SEAD-39	87(6)PS/PR/HR(P)	Boiler Plant Blowdown Leach Pit, Bldg 121	X					X
SEAD-42	27(2)PS(HS	Preventive Medicine Laboratory, Bldg 106	X					X
SEAD-48	48(5)HS/HR and 118Q-RD	Pitchblende Storage Igloos	X				X	
SEAD-53	Archive Search Report, 3(1) and 49(5)HS/HR	Munitions Storage Area	X		X			X
SEAD-64A	64(6)HR	Debris Landfill South of Storage Pad	X					X
SEAD-64B	58(6)HR	Disposal Area South of Classification Yards	X					X
SEAD-68	108(7)HS(P)/HR(P)	Old Pest Control Shop, Bldg S-335	X					X
SEAD-120A	57(6)PS/PR/HR	"50 Area" Dumping Areas		X				X
SEAD-120F	116Q-X and 117Q-X	Munitions Burial Sites, South End of the Main Depot		X				X
SEAD-121B	77(6)PR/HR	PCB Oil Spill, Bldg 325		X				X
SEAD-122D	56(6)PR	Hot Pad Spill				X		X
SEAD-122E	Not Identified	Aircraft Deicing Pads				X		X

Notes:
X Condition applies to this site.

X (1) Site is located in the PID and Warehousing Area and is subject to area-wide land use controls (LUCs) that prohibit residential activities and grouwater access/use. LUCs applied because of environmental conditions found at SEADs 27, 64A, and 66.

X (2) Site is located in the Airfield Parcel of land which is subject to an LUC that prohibits its use for residential activities.

TABLE B.1
Overview of SWMUs Within ECP Boundaries
Seneca Army Depot Activity

SWMU or AOC Number	Interim Action	Remedial Action	Record of Decision		Recommended Final Action			ECP Location
			Pending	Final	No Action	No Further Action	Land Use Controls	
SEAD-4 & 38		Removal Action	X					Main Depot Area
SEAD-11			X			X		Main Depot Area
SEAD-26		Removal Action		X			X	Warehouse
SEAD-30	Tank Removal			X		X (1)		PID Area
SEAD-33				X	X (1)			PID Area
SEAD-36				X	X (1)			PID Area
SEAD-39	Removal Action			X			X (1)	PID Area
SEAD-42				X	X (1)			PID Area
SEAD-48	Final Status Survey		X			X		Main Depot Area
SEAD-53				X	X			Main Depot Area
SEAD-64A	Solid Waste Cover			X			X	PID Area, Warehousing Section
SEAD-64B	Solid Waste Cover			X			X	Main Depot Area
SEAD-68				X	X (1)			PID Area
SEAD-120A					X			Main Depot Area
SEAD-120F					X			Main Depot Area
SEAD-121B					X			Warehouse
SEAD-122D					X (2)			Airfield Area
SEAD-122E							X (2)	Airfield Area

Notes:

X Condition applies to this site.

X (1) Site is located in the PID and Warehousing Area and is subject to area-wide land use controls (LUCs) that prohibit residential activities and grouwater access/use. LUCs applied because of environmental conditions found at SEADs 27, 64A, and 66.

X (2) Site is located in the Airfield Parcel of land which is subject to an LUC that prohibits its use for residential activities.

Table B.2
Land Use Restrictions Applicable to SWMUs/AOCs Within ECP Boundaries
Seneca Army Depot Activity

or AOC ber	SWMU or AOC Name/Identity	Location	Use Restrictions						
			SEDA Retained	No Restrictions	Prison Use Only, Reversionary Deed	Groundwater Use/Acess Restrcition	Residential Use Restriction	Maintenance of Protective Cover	Ground Notific
& 38	Munitions Washout Facility and Boiler Plant Blowdown Leach Pit, Bldg 2079	Training Area (south)	X	XA					
1	Old Construction Debris Landfill	Training Area (south)	X	XA					
6	Fire Training Pit	Warehouse				X (1)			
0	Underground Waste Oil Tank, Bldg 118 (removed)	PID Area		X (1)					
3	Underground Waste Oil Tank, Bldg 121	PID Area		X (1)					
6	Waste Oil Burning Boilers, Bldg 121	PID Area		X (1)					
9	Boiler Plant Blowdown Leach Pit, Bldg 121	PID Area				X	X		
2	Preventive Medicine Laboratory, Bldg 106	PID Area		X (1)					
8	Pitchblende Storage Igloos	Training Area (south)	X	XA					
3	Munitions Storage Area	Institutional Training Area, Green Energy, Development Reserve and Training Area (south)		X					
4A	Debris Landfill South of Storage Pad	PID Area, Warehousing Section				X	X	X	
4B	Disposal Area South of Classification Yards	Training Area (south)						X	
8	Old Pest Control Shop, Bldg S-335	PID Area		X (1)					
20A	"50 Area" Dumping Areas	Training Area (south)		X					
20F	Munitions Burial Sites, South End of the Main Depot	Training Area (south)		X					
21B	PCB Oil Spill, Bldg 325	Warehouse		X (1)					
22D	Hot Pad Spill	Airfield Area		X (2)					
22E	Aircraft Deicing Pads	Airfield Area		X (2)			X		

ndition applies.
e is located within the land where area-wide LUCs prohibiting residential use and groundwater access/use are imposed.
e is located in the Airfield Parsel where an LUC prohibiting use for residential activities has been imposed
ndition anticipated based on information availabe in October 2007.

TABLE B.3
List of Primary Chemical Contaminants at SWMUs Within ECP Boundaries
Seneca Army Depot Activity

U or AOC ber	SWMU or AOC Name/Identity	SEDA Retained	No Restrictions	Matrix Containing Contamination	Comments
D-4 & 38	Munitions Washout Facility and Boiler Plant Blowdown Leach Pit, Bldg 2079	X		Soil	Metals, prinarily chromium, but lead vanadium.
D-11	Old Construction Debris Landfill	X		Soil	Carcinogenic PAHs (2).
D-26	Fire Training Pit			Soil	Primarily cPAHs (2).
D-30	Underground Waste Oil Tank, Bldg 118 (removed)		X (1)		
D-33	Underground Waste Oil Tank, Bldg 121		X (1)		
D-36	Waste Oil Burning Boilers, Bldg 121		X (1)		
D-39	Boiler Plant Blowdown Leach Pit, Bldg 121			Soil	Carcinogenic PAHs (2) and fuel.
D-42	Preventive Medicine Laboratory, Bldg 106		X (1)		
D-48	Pitchblende Storage Igloos	X			Cleared of radiological residuals.
D-53	Munitions Storage Area		X		
D-64A	Debris Landfill South of Storage Pad			Soil Groundwater	Municipal trash is covered. Metals Mn) in groundwater.
D-64B	Disposal Area South of Classification Yards			Soil	Municipal trash is covered.
D-68	Old Pest Control Shop, Bldg S-335		X (1)		
D-120A	"50 Area" Dumping Areas		X		
D-120F	Munitions Burial Sites, South End of the Main Depot		X		
D-121B	PCB Oil Spill, Bldg 325		X (1)		
D-122D	Hot Pad Spill		X		
D-122E	Aircraft Deicing Pads			Soil	Carcinogenic PAHs (2).

s:
ite is located within the land where area-wide use restrictions prohibiting residential use and groundwater access/use is imposed.
Carcinognic PAHs (cPAHs) include benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, ar
no(1,2,3-ced)pyrene.

APPENDIX C

ADJACENT PROPERTY SOLID WASTE MANAGEMENT UNITS

TABLE C.1
Overview of SWMUs ECP Adjacent Properties
Seneca Army Depot Activity

			Source of SWMU/AOC				Work	
SWMU or AOC Number	CERFA Designation	SWMU or AOC Name/Identity	Original SWMU	EBS Potential Contamination Area	ASR Site	Other Site	Ongoing	Complete
SEAD-1	19(3)HS/HR	Hazardous Waste Container Storage Facility, Building (Bldg) 307	X				X	
SEAD-2	3-301Q-L(P)/P	PCB Transformer Storage Facility, Bldg 301	X				X	
SEAD-3, 6, 8, 14 & 15	48(5)HR (all SWMUs)	Ash Landfill Operable Unit including (in order) Incinerator Cooling Water Pond, Abandoned Ash Landfill, Non-Combustible Fill Area, Refuse Burning Pits, and Abandoned Solid Waste Incinerator	X				X	
SEAD-5	81(6)HS/HR	Sewage Sludge Waste Piles	X				X	
SEAD-7	3(1)	Shale Pit	X					X
SEAD-9	90(6)PR(P)/HR	Old Scrap Wood Site	X					X
SEAD-10	3(1)	Present Scrap Wood Site	X					X
SEAD-12 (12A, 12B, & 12C)	53(5)HR, 98(6)PS/PR/HS/HR and 123Q-RD	Bldg 804 and Associated Radioactive Waste Burial Sites	X				X	
SEAD-13	96(6)HR and 97(6)HR	Inhibited Red Fuming Nitric Acid (IRFNA) Disposal Site	X					X
SEAD-16	Archive Search Report and 82(6)PS/PR/HS/HR	Abandoned Deactivation Furnace, Bldg 311	X		X		X	
SEAD-17	Archive Search Report and 80(6)PS/HR	Existing Deactivation Furnace, Bldg 367	X		X		X	
SEAD-18	3(1)	Classified Document Incinerator, Bldg 709	X					X
SEAD-19	3(1)	Classified Document Incinerator, Bldg 801	X					X
SEAD-20	94(6)HR	Sewage Treatment Plant No. 4	X					X
SEAD-21	136(4)PR	Sewage Treatment Plant No. 715	X					X
SEAD-22	3(1)	Sewage Treatment Plant No. 314	X					X
SEAD-23	Archive Search Report, 104(6)PR/HS/HR and 127Q-X	Open Burning Ground	X		X		X	
SEAD-24	55(6)PR(P)/HR and 128Q-X	Abandoned Powder Burning Pit	X				X	
SEAD-25	79(6)HR	Fire Training and Demonstration Pad	X				X	
SEAD-27	51(6)PS/PR/HS/HR(P)	Steam Cleaning Waste Tank, Bldg 360	X					X
SEAD-28	51(6)PS/PR/HS/HR(P)	Underground Waste Oil Tanks, Bldg 360	X					X
SEAD-29	47(3)PS/PR/HS	Underground Waste Oil Tank, Bldg 732	X					X
SEAD-31	25(2)PS/HS	Underground Waste Oil Tank, Bldg 117	X					X
SEAD-32	101(6)PS/PR/HS/HR	Underground Waste Oil Tanks, Bldg 718	X					X
SEAD-34	50(5)PS/PR/HR(P)	Underground Waste Oil Tanks, Bldg 319	X					X
SEAD-35	101(6)PS/PR/HS/HR	Waste Oil Burning Boilers, Bldg 718	X					X
SEAD-37	50(5)PS/PR/HR(P)	Waste Oil Burning Boilers, Bldg 319	X					X
SEAD-40	50(5)PS/PR/HR(P)	Boiler Plant Blowdown Leach Pit, Bldg 319	X					X

TABLE C.1
Overview of SWMUs ECP Adjacent Properties
Seneca Army Depot Activity

			Source of SWMU/AOC				Work	
SWMU or AOC Number	CERFA Designation	SWMU or AOC Name/Identity	Original SWMU	EBS Potential Contamination Area	ASR Site	Other Site	Ongoing	Complete
SEAD-41	101(6)PS/PR/HS/HR	Boiler Plant Blowdown Leach Pit, Bldg 718	X					X
SEAD-43, 56 and 69	Archive Search Report (SEAD-43) and 63(6)PS/HS/HR (all SWMUs)	Old Propellant Test Laboratory, Bldg 606; Herbicide and Pesticide Storage, Bldg 606; and, Disposal Area, Bldg 606.	X		X			X
SEAD-44A	Archive Search Report, 60(6)HR and 120Q-X	Quality Assurance Test Laboratory, Location A, West of Bldg 616	X		X			X
SEAD-44B	61(6)HR and 121Q-X	Quality Assurance Test Laboratory, Location B, Brady Road	X					X
SEAD-45	Archive Search Report, 104(6)PR/HS/HR and 127Q-X	Open Detonation Area	X		X		X	
SEAD-46	Archive Search Report and 122Q-X	Small Arms Range	X		X		X	
SEAD-47	3(1) and 98(6)PS/PR/HS/HR	Radiation Calibration Source Storage, Bldgs 321 and 806	X					X
SEAD-49	45(3)HS/HR	Columbite Ore Storage, Bldg 356	X					X
SEAD-50 & 54	72(6)HS/HR (both SWMUs)	Tank Farm and Asbestos Storage	X					X
SEAD-51	3(1)	Herbicide Usage - Perimeter of High Security Area	X					X
SEAD-52	59(6)PS/PR/HR	Ammunition Breakdown Area, Bldgs 608 and 612	X					X
SEAD-55	3(1)	Tannin Storage, Bldg 357	X					X
SEAD-57	Archive Search Report, 104(6)PR/HS/HR and 127Q-X	Explosive Ordnance Disposal (EOD) Area #1	X		X		X	
SEAD-58	106(6)HR	Debris Area near Booster Station 2131	X					X
SEAD-59	85(6)PR/HR	Fill Area West of Bldg 135	X				X	
SEAD-60	59(6)PS/PR/HR	Oil Discharge adjacent to Bldg 609	X					X
SEAD-61	101(6)PS/HR/HS/HR	Underground Waste Oil Storage Tank, Bldg 718	X					X
SEAD-62	62(6)HR(P)	Nicotine Sulfate Disposal Area near Bldgs 606 and 612.	X					X
SEAD-63	103(6)HR and 126Q-RD	Miscellaneous Components Burial Site	X					X
SEAD-64C	3(1)	Proposed Landfill Site	X					X
SEAD-64D	48(5)HR	Disposal Area West of Bldg 2203	X					X
SEAD-65A, 65B & 65C	41(2)HS, 42(2)HS, 43(2)HS	Acid Storage Areas	X					X
SEAD-66	92(6)HS/HR(P)	Pesticide Storage Area near Bldgs 5 and 6	X					X
SEAD-67	94(6)HR	Dump Site East of Sewage Treatment Plant No. 4	X					X
SEAD-70	104(6)PR/HS/HR	Filled Area, Bldg 2110	X				X	
SEAD-71	89(6)HR	Alleged Paint Disposal Area	X				X	

TABLE C.1
Overview of SWMUs ECP Adjacent Properties
Seneca Army Depot Activity

			Source of SWMU/AOC				Work	
SWMU or AOC Number	CERFA Designation	SWMU or AOC Name/Identity	Original SWMU	EBS Potential Contamination Area	ASR Site	Other Site	Ongoing	Complete
SEAD-72	98(6)PS/PR/HS/HR	Mixed Waste Storage Facility, Bldg 803	X				X	
SEAD-119A	54(6)HR(P)	Bldg 2409 Sewage Spill		X				X
SEAD-119B	Archive Search Report	Small Arms Range, Lake Shore Housing				X		X
SEAD-120B	119Q-X	Ovid Road Small Arms Range		X				X
SEAD-120C	98(6)PS/PR/HS/HR	Bldgs 813 - 817 Paints and Solvents Disposal Areas		X				X
SEAD-120D	99(6)PS/PR	MP Refueling Island in the Q		X				X
SEAD-120E	106(6)HR	Possible DDT Disposal near Building 2131		X				X
SEAD-120G	111(7) and 112(7)	Mounds at the Duck Pond		X				X
SEAD-120H	98(6)PS/PR/HS/HR	Bldg 810		X				X
SEAD-120I	98(6)PS/PR/HS/HR	Bldg 819 and Igloos A0101 and A0102		X				X
SEAD-120J	Not Identified	Farmer's Dump				X		X
SEAD-121A	43(3)HR	USCG Halon Discharge		X				X
SEAD-121C	78(6)HS/HR	Defense Reutilization and Marketing Office (DRMO) Yard		X			X	
SEAD-121D	84(6)PS/PR(P)	Hazardous Material Release, Bldgs 306 and 308		X				X
SEAD-121E	88(6)PS/PR	UST Petroleum Release, Bldg 127		X				X
SEAD-121F	86(6)PR/HS/HR	Stained Soil, Bldg 135		X				X
SEAD-121G	137(7)	Rumored Coal Ash Disposal Area		X				X
SEAD-121H	138(7)	Rumored Coal Ash Disposal Area		X				X
SEAD-121I	Not Identified	Rumored Cosmoline Oil Disposal Area				X	X	
SEAD-122A	115Q-X	Skeet/Trap Area		X				X
SEAD-122B	114Q-X	Building 2032, Small Arms Range		X				X
SEAD-122C	107(7)	Conex with Unknown Contents near Bldg 2311		X				X
SEAD-123A	125Q-X	Bldg 744 Indoor Firing Range		X				X
SEAD-123B	102(6)PS/PR(P)	Bldgs 716 and 717 Petroleum Release		X				X
SEAD-123C	100(6)PS/PR/HS/HR	Bldg 747Hazardous Material Spill		X				X
SEAD-123D	113(7)	Area West of Bldg 715		X				X
SEAD-123E	139(7)	Rumored DDT Burial at Ice Rink		X				X
SEAD-123F	140(7)	Mound North of Post 3		X				X
SEAD-002-R-01	Archive Search Reports and 122Q-X	Explosive Ordnance Detonation (EOD) Areas #2 and #3			X		X	
SEAD-007-R-01	Archive Search Report and 127Q-X	Grenade Range			X		X	

TABLE C.1
Overview of SWMUs ECP Adjacent Properties
Seneca Army Depot Activity

			Record of Decision		Recommended Final Action			
SWMU or AOC Number	Interim Action	Remedial Action	Pending	Final	No Action	No Further Action	Land Use Controls	Location
SEAD-1	RCRA Closure		X				X (1)	Planned Industrial/Office Development (PID) Area
SEAD-2	RCRA Closure		X				X (1)	PID Area
SEAD-3, 6, 8, 14 & 15	Pilot Scale Treatability Study of Groundwater Treatment	Groundwater Treatment with Biowall and Soil Cap		X			X	Development Reserve
SEAD-5	Removal Action		X				X (1)	PID Area
SEAD-7				X	X			Institution Area
SEAD-9				X	X (1)			PID Area
SEAD-10				X	X (1)			PID Area
SEAD-12 (12A, 12B, & 12C)	Pending Removal Action						X	Institutional Training Area
SEAD-13				X			X	Residential/Resort Area
SEAD-16		Removal Action		X			X (1)	PID Area
SEAD-17		Removal Action		X			X (1)	PID Area
SEAD-18				X	X			Institutional Area
SEAD-19				X	X			Institutional Training Area
SEAD-20				X	X (1)			PID Area
SEAD-21				X	X			Institutional Area
SEAD-22				X	X (1)			PID Area
SEAD-23				X			X	Conservation
SEAD-24	Removal Action		X			X		Development Reserve
SEAD-25		Removal Action		X			X	PID Area
SEAD-27				X			X	PID Area
SEAD-28	Tank Removal			X		X (1)		PID Area
SEAD-29	Tank Removal			X		X		Institutional Area
SEAD-31	Tank Removal			X		X (1)		PID Area
SEAD-32	Tank Removal			X		X (5)		Institutional Area
SEAD-34	Tank Removal			X		X (1)		PID Area
SEAD-35				X	X (5)			Institutional Area
SEAD-37				X	X (1)			PID Area
SEAD-40	Removal Action			X			X (1)	PID Area

TABLE C.1
Overview of SWMUs ECP Adjacent Properties
Seneca Army Depot Activity

			Record of Decision		Recommended Final Action			
SWMU or AOC Number	Interim Action	Remedial Action	Pending	Final	No Action	No Further Action	Land Use Controls	Location
SEAD-41	Removal Action			X			X (5)	Institutional Area
SEAD-43, 56 and 69				X	X (3)			Prison Area
SEAD-44A	Munitions Response			X		X (3)		Prison Area
SEAD-44B				X	X (3)			Prison Area
SEAD-45	Munitions Response and Soil Cap		X			X		Conservation Area
SEAD-46	Munitions Response		X			X		Residential/Resort Area
SEAD-47				X	X (2)			PID Area (Bldg 321) and Institutional Training Area (Bldg 808)
SEAD-49				X	X (1)			Warehouse
SEAD-50 & 54	Removal Action			X		X (1)		Warehouse
SEAD-51				X	X (1)			Institutional Training Area
SEAD-52				X	X (3)			Prison Area
SEAD-55				X	X			Warehouse
SEAD-57	Munitions Response		X			X		Conservation Area
SEAD-58				X	X			Development Reserve
SEAD-59	Removal Action		X				X	PID Area
SEAD-60	Removal Action			X		X (3)		Prison Area
SEAD-61	Tank Removal			X		X		Institutional Area
SEAD-62				X	X (3)			Prison Area
SEAD-63	Removal Action			X		X		Institutional Training Area
SEAD-64C				X	X (3)			Prison Area
SEAD-64D	Solid Waste Cover			X			X	Training Area (south)
SEAD-65A, 65B & 65C				X	X			Development Reserve and Conservation Area
SEAD-66				X			X	PID Area
SEAD-67	Removal Action			X			X	PID Area
SEAD-70	Removal Action		X			X		Conservation Area
SEAD-71	Removal Action		X				X	PID Area

TABLE C.1
Overview of SWMUs ECP Adjacent Properties
Seneca Army Depot Activity

			Record of Decision		Recommended Final Action			
SWMU or AOC Number	Interim Action	Remedial Action	Pending	Final	No Action	No Further Action	Land Use Controls	Location
SEAD-72	RCRA Closure		X			X		Institutional Training Area
SEAD-119A					X			Lake Shore Housing Area
SEAD-119B					X			Lake Shore Housing Area
SEAD-120B					X (3)			Prison Area
SEAD-120C					X			Institutional Training Area
SEAD-120D					X			Institutional Training Area
SEAD-120E					X			Development Reserve
SEAD-120G					X			Residential/Resort Area
SEAD-120H					X			Institutional Training Area
SEAD-120I					X			Institutional Training Area
SEAD-120J					X			Lake Shore Housing Area
SEAD-121A					X			Loran Station
SEAD-121C	Removal Action		X			X	X	PID Area
SEAD-121D					X			PID Area
SEAD-121E					X (1)			PID Area
SEAD-121F					X (1)			PID Area
SEAD-121G					X			PID Area
SEAD-121H					X (1)			PID Area
SEAD-121I	Ore Pile Cleanup		X				X	Warehouse
SEAD-122A					X (4)			Airfield Area
SEAD-122B	Treatability Study			X			X (4)	Airfield Area
SEAD-122C					X (4)			Airfield Area
SEAD-123A					X			Institutional Area
SEAD-123B					X			Institutional Area
SEAD-123C					X			Institutional Area
SEAD-123D					X			Institutional Area
SEAD-123E					X			Institutional Area
SEAD-123F					X			Institutional Area
SEAD-002-R-01	Munitions Response		X			X		Residential/Resort Area
SEAD-007-R-01	Munitions Response		X			X		Conservation Area

Notes:

X Condition applies to this site.

X (1) Site is located in the PID and Warehousing Area and is subject to area-wide land use controls (LUCs) that prohibit residential activities and grouwater access/use. LUCs applied because of environmental conditions found at SEADs 27, 64A, and 66.

X (2) Building 321 is located in the PID and Warehousing Area and is subject to area-wide land use controls (LUCs) that prohibit residential activities and grouwater access/use.

X (3) Site is located on the land that is currently used as the Five Points Correctional Facility. This land is subject to a reversionary deed clause requiring that the site be used in perpetuity as a Correctional Facility.

X (4) Site is located in the Airfield Parcel of land which is subject to an LUC that prohibits its use for residential activities.

X (5) Site is located in the Institutional Area which was transferred with a groundwater access/use notification in the deed.

TABLE C.2
Land Use Restrictions Applicable to SWMUs/AOCs ECP Adjacent Properties
Seneca Army Depot Activity

			Use Restrictions						
or AOC r	SWMU or AOC Name/Identity	Location	SEDA Retained	No Restrictions	Prison Use Only, Reversionary Deed	Groundwater Use/Acess Restrcition	Residential Use Restriction	Maintenance of Protective Cover	Groun Notifi
1	Hazardous Waste Container Storage Facility, Building (Bldg) 307	Planned Industrial/Office Development (PID) Area	X (1)			XA	XA		
2	PCB Transformer Storage Facility, Bldg 301	PID Area	X (1)			XA	XA		
3, 6, 8, 5	Ash Landfill Operable Unit including (in order) Incinerator Cooling Water Pond, Abandoned Ash Landfill, Non-Combustible Fill Area, Refuse Burning Pits, and Abandoned Solid Waste Incinerator	Development Reserve	X			X		X	
5	Sewage Sludge Waste Piles	PID Area	X (1)			XA	XA		
7	Shale Pit	Institution Area		X					
9	Old Scrap Wood Site	PID Area		X (1)					
10	Present Scrap Wood Site	PID Area		X (1)					
12 (12A, 12C)	Bldg 804 and Associated Radioactive Waste Burial Sites	Institutional Training Area	X				XA		
13	Inhibited Red Fuming Nitric Acid (IRFNA) Disposal Site	Residential/Resort Area				X			
16	Abandoned Deactivation Furnace, Bldg 311	PID Area	X (1)						
17	Existing Deactivation Furnace, Bldg 367	PID Area	X (1)						
18	Classified Document Incinerator, Bldg 709	Institutional Area		X (1)					
19	Classified Document Incinerator, Bldg 801	Institutional Training Area		X					
20	Sewage Treatment Plant No. 4	PID Area		X (1)					
21	Sewage Treatment Plant No. 715	Institutional Area		X					
22	Sewage Treatment Plant No. 314	PID Area		X (1)					
23	Open Burning Ground	Conservation	X					X	
24	Abandoned Powder Burning Pit	Development Reserve	X	XA					
25	Fire Training and Demonstration Pad	PID Area				X (1)			
27	Steam Cleaning Waste Tank, Bldg 360	PID Area				X	X		
28	Underground Waste Oil Tanks, Bldg 360	PID Area		X (1)					
29	Underground Waste Oil Tank, Bldg 732	Institutional Area		X					
31	Underground Waste Oil Tank, Bldg 117	PID Area		X (1)					
32	Underground Waste Oil Tanks, Bldg 718	Institutional Area		X (5)					
34	Underground Waste Oil Tanks, Bldg 319	PID Area		X (1)					
35	Waste Oil Burning Boilers, Bldg 718	Institutional Area		X (5)					
37	Waste Oil Burning Boilers, Bldg 319	PID Area		X (1)					
40	Boiler Plant Blowdown Leach Pit, Bldg 319	PID Area				X	X		

TABLE C.2
Land Use Restrictions Applicable to SWMUs/AOCs ECP Adjacent Properties
Seneca Army Depot Activity

or AOC #	SWMU or AOC Name/Identity	Location	Use Restrictions						
			SEDA Retained	No Restrictions	Prison Use Only, Reversionary Deed	Groundwater Use/Acess Restrcition	Residential Use Restriction	Maintenance of Protective Cover	Ground Notific
1	Boiler Plant Blowdown Leach Pit, Bldg 718	Institutional Area							X (5
3, 56	Old Propellant Test Laboratory, Bldg 606; Herbicide and Pesticide Storage, Bldg 606; and, Disposal Area, Bldg 606.	Prison Area			X				
4A	Quality Assurance Test Laboratory, Location A, West of Bldg 616	Prison Area			X				
4B	Quality Assurance Test Laboratory, Location B, Brady Road	Prison Area			X				
5	Open Detonation Area	Conservation Area	X						
6	Small Arms Range	Residential/Resort Area	X	XA					
7	Radiation Calibration Source Storage, Bldgs 321 and 806	PID Area (Bldg 321) and Institutional Training Area (Bldg 808)		X (2)					
9	Columbite Ore Storage, Bldg 356	Warehouse		X (1)					
0 & 54	Tank Farm and Asbestos Storage	Warehouse		X (1)					
1	Herbicide Usage - Perimeter of High Security Area	Institutional Training Area		X					
2	Ammunition Breakdown Area, Bldgs 608 and 612	Prison Area			X				
5	Tannin Storage, Bldg 357	Warehouse		X (1)					
7	Explosive Ordnance Disposal (EOD) Area #1	Conservation Area	X	XA					
8	Debris Area near Booster Station 2131	Development Reserve		X					
9	Fill Area West of Bldg 135	PID Area	X (1)			XA	XA		
0	Oil Discharge adjacent to Bldg 609	Prison Area		X (3)					
1	Underground Waste Oil Storage Tank, Bldg 718	Institutional Area		X (5)					
2	Nicotine Sulfate Disposal Area near Bldgs 606 and 612.	Prison Area			X				
3	Miscellaneous Components Burial Site	Institutional Training Area		X					
4C	Proposed Landfill Site	Prison Area			X				
4D	Disposal Area West of Bldg 2203	Training Area (south)				X		X	
5A, 5C	Acid Storage Areas	Development Reserve and Conservation Area		X					
6	Pesticide Storage Area near Bldgs 5 and 6	PID Area				X	X		
7	Dump Site East of Sewage Treatment Plant No. 4	PID Area				X	X		

TABLE C.2
Land Use Restrictions Applicable to SWMUs/AOCs ECP Adjacent Properties
Seneca Army Depot Activity

			Use Restrictions						
or AOC r	SWMU or AOC Name/Identity	Location	SEDA Retained	No Restrictions	Prison Use Only, Reversionary Deed	Groundwater Use/Acess Restrcition	Residential Use Restriction	Maintenance of Protective Cover	Ground Notifi
70	Filled Area, Bldg 2110	Conservation Area	X	XA					
71	Alleged Paint Disposal Area	PID Area	X (1)						
72	Mixed Waste Storage Facility, Bldg 803	Institutional Training Area	X				XA		
119A	Bldg 2409 Sewage Spill	Lake Shore Housing Area		X					
119B	Small Arms Range, Lake Shore Housing	Lake Shore Housing Area		X					
120B	Ovid Road Small Arms Range	Prison Area		X (3)					
120C	Bldgs 813 - 817 Paints and Solvents Disposal Areas	Institutional Training Area		X					
120D	MP Refueling Island in the Q	Institutional Training Area		X					
120E	Possible DDT Disposal near Building 2131	Development Reserve		X					
120G	Mounds at the Duck Pond	Residential/Resort Area		X					
120H	Bldg 810	Institutional Training Area		X					
120I	Bldg 819 and Igloos A0101 and A0102	Institutional Training Area		X					
120J	Farmer's Dump	Lake Shore Housing Area		X					
121A	USCG Halon Discharge	Loran Station		X					
121C	Defense Reutilization and Marketing Office (DRMO) Yard	PID Area	X (1)						
121D	Hazardous Material Release, Bldgs 306 and 308	PID Area		X (1)					
121E	UST Petroleum Release, Bldg 127	PID Area		X (1)					
121F	Stained Soil, Bldg 135	PID Area		X (1)					
121G	Rumored Coal Ash Disposal Area	PID Area		X					
121H	Rumored Coal Ash Disposal Area	PID Area		X (1)					
121I	Rumored Cosmoline Oil Disposal Area	Warehouse	X (1)			X	X		
122A	Skeet/Trap Area	Airfield Area		X (4)					
122B	Building 2032, Small Arms Range	Airfield Area		X (4)			X		
122C	Conex with Unknown Contents near Bldg 2311	Airfield Area		X (4)					
123A	Bldg 744 Indoor Firing Range	Institutional Area		X (4)					
123B	Bldgs 716 and 717 Petroleum Release	Institutional Area		X					
123C	Bldg 747Hazardous Material Spill	Institutional Area		X (4)					
123D	Area West of Bldg 715	Institutional Area		X					
123E	Rumored DDT Burial at Ice Rink	Institutional Area							
123F	Mound North of Post 3	Institutional Area		X					
002-R-	Explosive Ordnance Detonation (EOD) Areas #2 and #3	Residential/Resort Area	X						
007-R-	Grenade Range	Conservation Area	X						

ondition applies.
ite is located within the land where area-wide LUCs prohibiting residential use and groundwater access/use are imposed.
uilding 321 only is located within the land where area-wide LUCs prohibiting residential use and groundwater access/use is imposed.
ite is located inside land transferred to the State of New York under terms of a reversionary deed.
ite is located in the Airfield Parsel where an LUC prohibiting use for residential activities has been imposed
ite is located in the Institutional Area where a groundwater access/use notification has been included in the deed.
ondition anticipated based on information availabe in October 2007.

959 Fort Drum SEDA Training\WP\ECP\Final ECP\AppendixB and CSWMUs.xls

TABLE C.3
List of Primary Chemical Contaminants at SWMUs ECP Adjacent Properties
Seneca Army Depot Activity

SWMU or AOC Number	SWMU or AOC Name/Identity	SEDA Retained	No Restrictions	Matrix Containing Contamination	Comments
SEAD-1	Hazardous Waste Container Storage Facility, Building (Bldg) 307	X (1)		Soil	Metals, prinarily zinc
SEAD-2	PCB Transformer Storage Facility, Bldg 301	X (1)		Soil	Carcingenic polycylicic aromatic hydrocarbons (cPAHs (2))
SEAD-3, 6, 8, 14 & 15	Ash Landfill Operable Unit including (in order) Incinerator Cooling Water Pond, Abandoned Ash Landfill, Non-Combustible Fill Area, Refuse Burning Pits, and Abandoned Solid Waste Incinerator	X		Groundwater	Chlorinated solvents, primarily trichloroethylene, dichloroethylene, and vinyl chloride
SEAD-5	Sewage Sludge Waste Piles	X (1)		Soil	Metals and cPAHs.
SEAD-7	Shale Pit		X		
SEAD-9	Old Scrap Wood Site		X (1)		
SEAD-10	Present Scrap Wood Site		X (1)		
SEAD-12 (12A, 12B, & 12C)	Bldg 804 and Associated Radioactive Waste Burial Sites	X		Soil Groundwater	Buried military items in soil. Trichloroethylene in groundwater.
SEAD-13	Inhibited Red Fuming Nitric Acid (IRFNA) Disposal Site			Groundwater	Nitrates and some metals.
SEAD-16	Abandoned Deactivation Furnace, Bldg 311	X (1)		Soil	Metals, primarily lead but others as well
SEAD-17	Existing Deactivation Furnace, Bldg 367	X (1)		Soil	Metals, primarily lead but others as well
SEAD-18	Classified Document Incinerator, Bldg 709		X		
SEAD-19	Classified Document Incinerator, Bldg 801		X		
SEAD-20	Sewage Treatment Plant No. 4		X (1)		
SEAD-21	Sewage Treatment Plant No. 715		X		
SEAD-22	Sewage Treatment Plant No. 314		X (1)		
SEAD-23	Open Burning Ground	X		Soil	Metals, primarily lead and copper
SEAD-24	Abandoned Powder Burning Pit	X		Soil	Metals, primarily manganese, aluminum, and zinc.
SEAD-25	Fire Training and Demonstration Pad			Soil Groundwater	Primarily cPAHs (2) in soil. Aromatic hydrocarbons in GW
SEAD-27	Steam Cleaning Waste Tank, Bldg 360			Groundwater	Chlorinated solvents (TCA, TCE, VC) and naphthalene.
SEAD-28	Underground Waste Oil Tanks, Bldg 360		X (1)		
SEAD-29	Underground Waste Oil Tank, Bldg 732		X		
SEAD-31	Underground Waste Oil Tank, Bldg 117		X (1)		
SEAD-32	Underground Waste Oil Tanks, Bldg 718		X		
SEAD-34	Underground Waste Oil Tanks, Bldg 319		X (1)		
SEAD-35	Waste Oil Burning Boilers, Bldg 718		X		
SEAD-37	Waste Oil Burning Boilers, Bldg 319		X (1)		
SEAD-40	Boiler Plant Blowdown Leach Pit, Bldg 319			Soil	Carcinogenic PAHs (2) and fuel.

TABLE C.3
List of Primary Chemical Contaminants at SWMUs ECP Adjacent Properties
Seneca Army Depot Activity

SWMU or AOC Number	SWMU or AOC Name/Identity	SEDA Retained	No Restrictions	Matrix Containing Contamination	Comments
SEAD-41	Boiler Plant Blowdown Leach Pit, Bldg 718			Groundwater	Fuel in groundwater.
SEAD-43, 56 and 69	Old Propellant Test Laboratory, Bldg 606; Herbicide and Pesticide Storage, Bldg 606; and, Disposal Area, Bldg 606.				Reversionary Deed
SEAD-44A	Quality Assurance Test Laboratory, Location A, West of Bldg 616				Reversionary Deed, cleared of UXO.
SEAD-44B	Quality Assurance Test Laboratory, Location B, Brady Road				Reversionary Deed, cleared of UXO.
SEAD-45	Open Detonation Area	X		Soil	Primarily metals.
SEAD-46	Small Arms Range	X		Soil	Primarily metals.
SEAD-47	Radiation Calibration Source Storage, Bldgs 321 and 806		X (2)		
SEAD-49	Columbite Ore Storage, Bldg 356		X (1)		
SEAD-50 & 54	Tank Farm and Asbestos Storage		X (1)		
SEAD-51	Herbicide Usage - Perimeter of High Security Area		X		
SEAD-52	Ammunition Breakdown Area, Bldgs 608 and 612				Reversionary Deed
SEAD-55	Tannin Storage, Bldg 357		X (1)		
SEAD-57	Explosive Ordnance Disposal (EOD) Area #1	X		Soil	Primarily metals
SEAD-58	Debris Area near Booster Station 2131		X		
SEAD-59	Fill Area West of Bldg 135	X (1)		Soil Groundwater	Carcinogenic PAHs (2), traces of pesticides and metals in soil. Metals in groundwater.
SEAD-60	Oil Discharge adjacent to Bldg 609		X (3)		
SEAD-61	Underground Waste Oil Storage Tank, Bldg 718		X		
SEAD-62	Nicotine Sulfate Disposal Area near Bldgs 606 and 612.				Reversionary Deed
SEAD-63	Miscellaneous Components Burial Site		X		
SEAD-64C	Proposed Landfill Site				Reversionary Deed
SEAD-64D	Disposal Area West of Bldg 2203			Soil Groundwater	Municipal trash is covered. Metals (Fe, Mn) in groundwater.
SEAD-65A, 65B & 65C	Acid Storage Areas		X		
SEAD-66	Pesticide Storage Area near Bldgs 5 and 6			Soil	Pesticides in soil.
SEAD-67	Dump Site East of Sewage Treatment Plant No. 4				
SEAD-70	Filled Area, Bldg 2110	X			
SEAD-71	Alleged Paint Disposal Area	X (1)		Soil Groundwater	Metals, traces of pesticides, and cPAHs (2) in soil (asphalt) in soil. Metals in groundwater.

TABLE C.3
List of Primary Chemical Contaminants at SWMUs ECP Adjacent Properties
Seneca Army Depot Activity

SWMU or AOC Number	SWMU or AOC Name/Identity	SEDA Retained	No Restrictions	Matrix Containing Contamination	Comments
SEAD-72	Mixed Waste Storage Facility, Bldg 803	X		Paint Soil	Lead paint and possible solvents in building. Solvents in soil.
SEAD-119A	Bldg 2409 Sewage Spill		X		
SEAD-119B	Small Arms Range, Lake Shore Housing		X		
SEAD-120B	Ovid Road Small Arms Range		X (3)		
SEAD-120C	Bldgs 813 - 817 Paints and Solvents Disposal Areas		X		
SEAD-120D	MP Refueling Island in the Q		X		
SEAD-120E	Possible DDT Disposal near Building 2131		X		
SEAD-120G	Mounds at the Duck Pond		X		
SEAD-120H	Bldg 810		X		
SEAD-120I	Bldg 819 and Igloos A0101 and A0102		X		
SEAD-120J	Farmer's Dump		X		
SEAD-121A	USCG Halon Discharge		X		
SEAD-121C	Defense Reutilization and Marketing Office (DRMO) Yard	X (1)		Soil	Metals and cPAHs (2) in soil.
SEAD-121D	Hazardous Material Release, Bldgs 306 and 308		X (1)		
SEAD-121E	UST Petroleum Release, Bldg 127		X (1)		
SEAD-121F	Stained Soil, Bldg 135		X (1)		
SEAD-121G	Rumored Coal Ash Disposal Area		X		
SEAD-121H	Rumored Coal Ash Disposal Area		X (1)		
SEAD-121I	Rumored Cosmoline Oil Disposal Area	X (1)		Soil	Metals and cPAHs (2) in soil.
SEAD-122A	Skeet/Trap Area		X		
SEAD-122B	Building 2032, Small Arms Range		X	Soil	Metals, primarily lead, but others as well.
SEAD-122C	Conex with Unknown Contents near Bldg 2311		X		
SEAD-123A	Bldg 744 Indoor Firing Range		X		
SEAD-123B	Bldgs 716 and 717 Petroleum Release		X		
SEAD-123C	Bldg 747Hazardous Material Spill		X		
SEAD-123D	Area West of Bldg 715		X		
SEAD-123E	Rumored DDT Burial at Ice Rink		X		
SEAD-123F	Mound North of Post 3		X		
SEAD-002-R-01	Explosive Ordnance Detonation (EOD) Areas #2 and #3	X		Soil	Metals
SEAD-007-R-01	Grenade Range	X		Soil	Metals

Notes:

(1) Site is located within the land where area-wide use restrictions prohibiting residential use and groundwater access/use is imposed.

(2) Carcinognic PAHs (cPAHs) include benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-ced)pyrene.

(3) Site is located inside land that has been transferred to the State of New York under terms of a reversionary deed.

APPENDIX D

NOTICE OF NRC LICENSE TERMINATION

UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

June 18, 2007

Docket No. 040-08526 License No. SUC-1275
Control No. 135163

Stephen M. Absolom
Installation Manager
Seneca Army Depot Activity
Caretaker Office
5786 State Route 96
P. O. Box 9
Romulus, NY 14541-0009

SUBJECT: SENECA ARMY DEPOT ACTIVITY, LICENSE TERMINATION, CONTROL NO. 135163

Dear Mr. Absolom:

Please find enclosed Amendment No. 14 terminating License No. SUC-1275 as requested by your letter dated June 15, 2004. This termination is being issued in accordance with the requirements of the applicable NRC License Termination Rule (10 CFR 30.36, 10 CFR 40.42, and 10 CFR 70.38). All facilities previously used for licensed activities may be released for unrestricted use. The Notice of Availability of Environmental Assessment and Finding of No Significant Impact for this action was published on June 15, 2007 in the Federal Register, Volume 72, Number 115. A copy of the Federal Register Notice is enclosed for your information.

Current NRC regulations and guidance are included on the NRC's website at www.nrc.gov; select **Nuclear Materials; Medical, Academic, and Industrial Uses of Nuclear Material;** then **Regulations, Guidance, and Communications.** You may also obtain these documents by contacting the Government Printing Office (GPO) toll-free at 1-888-293-6498. The GPO is open from 7:00 a.m. to 8:00 p.m. EST, Monday through Friday (except Federal holidays).

Your cooperation with us is appreciated.

Sincerely,

Betsy Ullrich
Senior Health Physicist
Commercial and R&D Branch
Division of Nuclear Materials Safety

Enclosures:
1. Amendment No. 14
2. 72 FR 33252, June 15, 2007

cc w/o enclosures:
John Cleary, Radiation Safety Officer

NRC FORM 374

U.S. NUCLEAR REGULATORY COMMISSION

Amendment No. 14

MATERIALS LICENSE

Licensee	
1. Department of the Army Commander, Seneca Army Depot Activity ATTN: SDSSE-CO 2. Romulus, New York 14541-5001	3. License number SUC-1275 4. Expiration date Not Applicable 5. Docket No. 040-08526 Reference No.

In accordance with the letter dated June 15, 2004, this license is hereby terminated.

For the U.S. Nuclear Regulatory Commission

Date June 18, 2007

By

Elizabeth Ullrich
Commercial and R&D Branch
Division of Nuclear Materials Safety
Region I
King of Prussia, Pennsylvania 19406
Monday, June 18, 2007 1:11:08 PM

NRC FORM 374

U.S. NUCLEAR REGULATORY COMMISSION

PAGE 1 OF 1 PAGES
Amendment No. 14

MATERIALS LICENSE

Licensee	
1. Department of the Army Commander, Seneca Army Depot Activity ATTN: SDSSE-CO 2. Romulus, New York 14541-5001	3. License number SUC-1275 4. Expiration date Not Applicable 5. Docket No. 040-08526 Reference No.

In accordance with the letter dated June 15, 2004, this license is hereby terminated.

For the U.S. Nuclear Regulatory Commission

Date June 18, 2007

By ***Original signed by Elizabeth Ullrich***

Elizabeth Ullrich
Commercial and R&D Branch
Division of Nuclear Materials Safety
Region I
King of Prussia, Pennsylvania 19406

Monday, June 18, 2007 1:11:08 PM

behalf of sixty–one broadcast television stations. These stations are listed below. Any party that objects to another party's claim to specialty station status should submit specific and factual comments as to which station(s) he or she objects to, and why. A final annotated list of specialty stations including references to any objections filed against a particular station licensee's claim will be published in the **Federal Register**.

Copyright Office licensing examiners shall refer to the final annotated list in examining a statement of account where a cable system operator claims specialty station status for a particular station. If a cable system operator claims specialty station status for a station not on the published final list, the examiner determines whether the owner of the station has filed an affidavit since publication of the list. Affidavits received after publication of the final annotated list shall be kept on file in the Licensing Division of the Copyright Office. Any interested party may file an objection to any such late–filed affidavit and the objection shall be filed together with the corresponding affidavit.

List of Specialty Stations: Call Letter and Cities of License

KBLN, Grants Pass, OR
KAKW, Kileen, TX
KTFO–CA, Austin, TX
KDTV(TV), San Francisco, CA
KDTV–CA, Santa Rosa, CA
KFTV(TV), Hanford, CA
KMEX–TV, Los Angeles, CA
KNIC–TV, Blanco, TX
KTVW–TV, Phoenix, AZ
KTVW–CA, Flagstaff, AZ
KUTH(TV), Provo, UT
KUVE–TV, Green Valley, AZ
KUVE–CA, Tuscon, AZ
KUVN–TV, Garland, TX
KUVN–CA, Fort Worth, TX
KUVS–TV, Modesto, CA
KWEX–TV, San Antonio, TX
KXLN–TV, Rosenberg, TX
WGBO–TV, Joliet, IL
WFDC–TV, Arlington, VA
WLTV(TV), Miami, FL
WHQS–TV, Cleveland, OH
WUVG–TV, Athens, GA
WTNC–LP, Durham, NC
WUVC–TV, Fayetteville, NC
WUVP–TV, Vineland, NJ
WXTV(TV), Paterson, NJ
K48GX, Tuscon, AZ
KABE–LP, Bakersfield, CA
KFPH–TV, Flagstaff, AZ
KFPH–CA, Phoenix, AZ
KFSF–TV, Vallejo, CA
KFTH–TV, Alvin, TX
KFTR–TV, Ontatio, CA
KFTU–TV, Douglas, AZ
KFTU–CA, Tuscon, AZ
KSTR–TV, Irving, TX
KTFD–TV, Boulder, CO
KTFF–TV, Portersville, CA
KTFF–LP, Fresno, CA
KTFK–TV, Stockton, CA
KTFQ–TV, Albuquerque, NM
WAMI–TV, Hollywood, FL
WFTT–TV, Tampa, FL
WFTY–TV, Smithtown, NY
WFUT–TV, Newark, NJ
WOTF–TV, Melbourne, FL
WUTF–TV, Marlborough, MA
WXFT–TV, Aurora, IL
WLII(TV), Caguas, Puerto Rico
WSUR–TV Ponce, Puerto Rico
KBTF–CA, Bakersfield, CA
KFTO–CA, San Antonio, TX
KNIC–CA, San Antonio, TX
KTFB–CA, Bakersfield, CA
WFPA–CA, Philadelphia, PA
K21GC, Safford, AZ
K45DX, Floresville, TX
KZOL–LP, Safford, AZ
K16FB, Globe, AZ
KDOS–LP, Globe, AZ

Dated: June 8, 2007

Tanya M. Sandros,

Acting General Counsel.

[FR Doc. E7–11595 Filed 6–14–07; 8:45 am]

BILLING CODE 1410–30–S

NATIONAL SCIENCE FOUNDATION

Proposal Review Panel for Ocean Sciences; Notice of Meeting

In accordance with the Federal Advisory Committee Act (Pub. L. 92–463, as amended), the National Science Foundation announces the following meeting.

Name: Moorea Coral Reef Ecosystems LTER Site Review (#10752).

Date & Time: July 8, 2007: 8 a.m.–12 p.m. July 9, 2007: 8:30 a.m.–7 p.m. July 10, 2007: 8 a.m.–6 p.m.

Place: The University of California's Gump Laboratory, Moorea, French Polynesia.

Type of Meeting: Partially closed.

For Further Information Contact: Dr. Henry Gholz, Division of Environmental Biology, National Science Foundation, 4201 Wilson Blvd., Arlington, VA 22230. Telephone (703) 292–8481.

Purpose of Meeting: Formal third-year review of the Moorea Coral Reef Ecosystems Long-Term Ecological Research project.

Agenda

Sunday 8 July 2007

8–12 NSF Briefing of the Review Team at Hotel (closed).

Monday 9 July 2007 (at Gump Research Station)

Project Introduction (open)
8:30–9 MCR Overview and Evolution/ Partnerships
Research Presentations (talks 15 min + questions 5 min) (open)
9:15–11:50 Overview
12:10–12:50 Lunch at Station
Field Trip 1–4:45 (closed)
Reception and Student Posters 5–6:45 (open)
Dinner locally 7:00 (open)
Review team separate working dinner (closed)

Tuesday 10 July 2007

8:00–8:30 Review Team assemble at Gump Lab
8:30–9:10 Research and other presentations (open)
Education and Outreach (15 + 5) (open)
9:30–10:10 Discussion (open)
10:30 Break
Information Management (15+ 5) (open)
10:45–11:30 Discussion (open)
12:00–12:50 Lunch at Station: Meet with Graduate Students (open)
1–4:15 Review Team Report Work Session (closed)
4:30–5:55 Report-out by Review Team (closed)
6:00 Adjourn

Reason for Closing: During closed sessions the review will include information of a confidential nature, including technical and financial information. These matters are exempt under 5 U.S.C. 552b(c), (4) and (6) of the Government in The Sunshine Act.

Dated: June 12, 2007.

Susanne Bolton,

Committee Management Officer.

[FR Doc. E7–11556 Filed 6–14–07; 8:45 am]

BILLING CODE 7555–01–P

NUCLEAR REGULATORY COMMISSION

[Docket No. 040–08526]

Notice of Availability of Environmental Assessment and Finding of No Significant Impact for License Amendment to Byproduct Materials License No. SUC–1275, for Termination of the NRC License and Unrestricted Release of the Seneca Army Depot Activity Facility in Romulus, New York

AGENCY: Nuclear Regulatory Commission.

ACTION: Issuance of Environmental Assessment and Finding of No Significant Impact for License Amendment.

FOR FURTHER INFORMATION CONTACT: Betsy Ullrich, Commercial and R&D Branch, Division of Nuclear Materials Safety, Region I, U.S. Nuclear Regulatory Commission, 475 Allendale Road, King of Prussia, Pennsylvania 19406. Telephone: (610) 337–5040; fax number: (610) 337–5269; e-mail: *exu@nrc.gov.*

SUPPLEMENTARY INFORMATION:

I. Introduction

The U.S. Nuclear Regulatory Commission (NRC) is considering the issuance of a license amendment to Source Materials License No. SUC–1275. This license is held by the Department of the Army, Seneca Army Depot Activity (the Licensee) for its Seneca Army Depot located in Romulus, New York (the Facility). Issuance of this amendment would authorize release of the Facility for unrestricted use and termination of the NRC license. The licensee requested this action in a letter dated June 15, 2004.

The NRC has prepared an Environmental Assessment (EA) in support of this action in accordance with the requirements of Title 10, Code of Federal Regulations (CFR), Part 51 (10 CFR Part 51). Based on the EA, the NRC has concluded that a Finding of No Significant Impact (FONSI) is appropriate with respect to the proposed action. The amendment will be issued to the Licensee following the publication of this FONSI and EA in the **Federal Register**.

II. Environmental Assessment

Identification of Proposed Action

The proposed action would approve the Licensee's June 15, 2004, license amendment request, resulting in the termination of its NRC materials license and release of the Facility for unrestricted use. License No. SUC–1275 was issued on September 3, 1976, pursuant to 10 CFR Part 40, and has been amended periodically since that time. This license authorized the Licensee to use depleted uranium (DU) for purposes of handling, on-site transportation, inspection, storage and demilitarization of DU cartridges. As a Depot, this facility also stored military commodities authorized under License Nos. SUC–1380, SUB–834, and 45–16023–01NA, most of which was in the form DU commodities. One location was used for storage of uranium and thorium ores authorized by License No. STC–133, and that location was decommissioned in 1993. Records also indicate that promethium-147 microspheres in military equipment, authorized by License No. 12–00722–07, were also stored in one location at the Facility.

The Facility is situated on 10,587 acres and consists of ammunition bunkers called "igloos", warehouses, and support buildings located in a sparsely populated farmland area. Within the Facility, use of licensed materials was confined to five buildings, one warehouse, and 121 ammunition bunkers.

In September 1999, the Licensee ceased licensed activities and initiated preliminary decommissioning activities. Based on the Licensee's historical knowledge of the site and the conditions of the Facility, the Licensee determined that only routine decontamination activities, in accordance with their NRC-approved, operating radiation safety procedures, were required. However, because the possession and use of DU had been authorized by its license, the Licensee elected to demonstrate compliance with the radiological criteria for unrestricted release as specified in 10 CFR 20.1402 by developing derived concentration guideline levels (DCGLs) for its Facility. The proposed DCGLs were submitted in their License Termination Plan dated February 11, 2003. After the NRC approved the License Termination Plan in 2003, the license was amended to authorize decommissioning activities only. The Licensee conducted surveys of the Facility and provided information to the NRC to demonstrate that it met the criteria in Subpart E of 10 CFR Part 20 for unrestricted release and for license termination in a Termination Report dated June 15, 2004. A confirmatory survey was performed by Oak Ridge Institute for Science and Education (ORISE) in October 2006, to verify the radiological status of the Facility.

Need for the Proposed Action

The Licensee ceased conducting licensed activities at the Facility, and seeks the unrestricted use of its Facility and the termination of its NRC materials license. Termination of its license would end the Licensee's obligation to pay annual license fees to the NRC.

Environmental Impacts of the Proposed Action

The historical review of licensed activities conducted at the Facility shows that such activities involved use of the following radionuclides with half-lives greater than 120 days: Depleted uranium (DU) and promethium-147 (Pr-147). Prior to performing the final status survey, the Licensee conducted decontamination activities, as necessary, in the areas of the Facility affected by these radionuclides.

The Licensee conducted final status surveys from July through September 2002. The final status survey report was attached to the Licensee's amendment request dated June 15, 2004. The Licensee developed site-specific DCGL's to demonstrate compliance with the radiological criteria for unrestricted release, using a release criteria of 10 millirem per year, which is below the 25 millirem per year limit in 10 CFR 20.1402. The Licensee conducted site-specific dose modeling using input parameters specific to the Facility, using the RESRAD code resident farmer scenario and the RESRAD-Build building occupancy scenario. The Licensee thus determined the maximum amount of residual radioactivity on building surfaces, equipment, materials, and soils that will satisfy the NRC requirements in subpart E of 10 CFR Part 20 for unrestricted release. The NRC previously reviewed the Licensee's methodology and proposed DCGLs, and concluded that the proposed DCGLs were acceptable for use as release criteria at the Facility. The Licensee's final status survey results were below these DCGLs, and are thus acceptable.

The NRC contracted with ORISE which conducted confirmatory scanning and dose rate surveys from October 30 to November 2, 2006. None of the confirmatory survey results exceeded the DCGLs established for the Facility. Based on its review, the staff has determined that the affected environment and any environmental impacts associated with the proposed action are bounded by the impacts evaluated by the "Generic Environmental Impact Statement in Support of Rulemaking on Radiological Criteria for License Termination of NRC-Licensed Nuclear Facilities" (NUREG–1496) Volumes 1–3 [ML042310492, ML042320379, and ML042330385]. The Licensee also considered and appropriately accounted for the dose contribution from previous site releases. Accordingly, there were no significant environmental impacts from the use of radioactive material at the Facility. The NRC staff reviewed the docket file records and the final status survey report to identify any non-radiological hazards that may have impacted the environment surrounding the Facility. No such hazards or impacts to the environment were identified. The NRC has found no other radiological or non-radiological activities in the area that could result in cumulative environmental impacts.

The NRC staff finds that the proposed release of the Facility for unrestricted use and the termination of the NRC materials license is in compliance with 10 CFR 20.1402, including the impact of residual radioactivity at previously-released site locations of use. Based on its review, the staff considered the impact of the residual radioactivity at the Facility and concluded that the proposed action will not have a significant effect on the quality of the human environment.

Environmental Impacts of the Alternatives to the Proposed Action

Due to the largely administrative nature of the proposed action, its environmental impacts are small. Therefore, the only alternative the staff considered is the no-action alternative, under which the staff would leave things as they are by simply denying the amendment request. This no-action alternative is not feasible because it conflicts with 10 CFR 40.42(d), requiring that decommissioning of source material facilities be completed and approved by the NRC after licensed activities cease. The NRC's analysis of the Licensee's final status survey data confirmed that the Facility meets the requirements of 10 CFR 20.1402 for unrestricted release and for license termination. Additionally, this denial of the application would result in no change in current environmental impacts. The environmental impacts of the proposed action and the no-action alternative are therefore similar, and the no-action alternative is accordingly not further considered.

Conclusion

The NRC staff has concluded that the proposed action complies with the NRC's unrestricted release criteria specified in 10 CFR 20.1402. Because the proposed action will not significantly impact the quality of the human environment, the NRC staff concludes that the proposed action is the preferred alternative.

Agencies and Persons Consulted

NRC provided a draft of this Environmental Assessment to the New York State Department of Environmental Conservation for review on April 3, 2007. On May 2, 2007, New York State Department of Environmental Conservation responded by e-mail. The State agreed with the conclusions of the EA, and otherwise had no comments.

The NRC staff has determined that the proposed action is of a procedural nature, and will not affect listed species or critical habitat. Therefore, no further consultation is required under Section 7 of the Endangered Species Act. The NRC staff has also determined that the proposed action is not the type of activity that has the potential to cause effects on historic properties. Therefore, no further consultation is required under Section 106 of the National Historic Preservation Act.

III. Finding of No Significant Impact

The NRC staff has prepared this EA in support of the proposed action. On the basis of this EA, the NRC finds that there are no significant environmental impacts from the proposed action, and that preparation of an environmental impact statement is not warranted. Accordingly, the NRC has determined that a Finding of No Significant Impact is appropriate.

IV. Further Information

Documents related to this action, including the application for license amendment and supporting documentation, are available electronically at the NRC's Electronic Reading Room at *http://www.nrc.gov/reading-rm/adams.html*. From this site, you can access the NRC's Agencywide Document Access and Management System (ADAMS), which provides text and image files of NRC's public documents. The documents related to this action are listed below, along with their ADAMS accession numbers.

1. NUREG–1757, "Consolidated NMSS Decommissioning Guidance;"
2. Title 10 Code of Federal Regulations, Part 20, Subpart E, "Radiological Criteria for License Termination;"
3. Title 10, Code of Federal Regulations, Part 51, "Environmental Protection Regulations for Domestic Licensing and Related Regulatory Functions;"
4. NUREG–1496, "Generic Environmental Impact Statement in Support of Rulemaking on Radiological Criteria for License Termination of NRC-Licensed Nuclear Facilities;"
5. Inspection records and Licensing documentation for License SUC–1275 with amendments;
6. Letter dated February 11, 2003, with the Seneca Army Depot Activity License Termination and License Release Plan dated February 11, 2003 [ML030450373];
7. Letters dated April 3, 2003 [ML031010534], September 2, 2004 [ML042540117] and January 28, 2005 [ML050320064];
8. Letter dated June 15, 2004, requesting termination [ML041810284] with NRC License Termination Report for Seneca Army Depot Activity, Romulus, New York, dated June 30, 2004 [ML041810290 and ML041810294];
9. Letter dated February 28, 2005 [ML050970152] with Summary Tables [ML051050173], Retrospective Power Curves [ML051050181, ML051050183, ML051050184, ML051050185, ML051050188, ML051050191, ML051050195, ML051050197, ML051050203, and ML051050205], and Supplementary Information Spreadsheets [ML051050208, ML051050215, ML051050217, ML051050218, ML051050219, ML051050220, ML051050231, ML051050253, ML051050255, ML051050305, ML051050307, ML051050313, ML051050315, ML051050317, ML051050318, ML051050320, ML051050321, ML051050322, ML051050324, ML051050325, ML051050327, ML051050329, ML051050331, ML051050332, ML051050334, ML051050335, ML051050339, ML051050343, ML051050344, ML051050346, ML051050347, ML051050360, ML051050362, ML051050363, ML051050364, ML051050366, ML051050367, ML051050370, ML051050373, ML051050375, ML051050376, ML051050378, ML051050379, ML051050381, ML051050382, ML051050386, ML051050388, ML051050391, ML051050394, ML051050396, ML051050398, ML051050399, ML051050401, ML051050402, ML051050405, ML051050407, ML051050408, ML051050409, ML051050410, ML051050439, ML051050443, ML051050445, ML051050446, ML051050451, ML051050452, ML051050453, ML051050454, ML051050457, ML051050459, ML051050460, ML051050462, ML051050464, ML051050465, ML051050466, ML051050468, ML051050478, ML051050479, ML051050511, ML051050512, ML051050513, ML051050516, ML051050517, ML051050519, ML051050537, ML051050541, ML051050542, ML051050544, ML051050545, ML051050546, ML051050547, ML051050551, ML051050553, ML051050555, ML051050557, ML051050559, ML051050561, ML051050563, ML051050564, ML051050565, ML051080165, ML051080166, ML051080171, ML051080175, ML051080177, ML051080179, ML051080181, ML051080196, ML051080197, ML051080198, ML051080212, ML051080227, ML051080229, ML051080230, ML051080239, ML051080240, ML051080242, ML051080243, ML051080244, ML051080245, ML051080247, ML051080248, ML051080249, ML051080252, ML051080253, ML051080254, ML051080255, ML051080256, ML051080257, ML051080259, ML051080260, ML051080261, ML051080263, ML051080265, ML051080268, ML051080271, ML051080273, ML051080278, ML051080280, ML051080282,

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10. Letter dated October 5, 2005 [ML070300192];

11. Letter dated November 29, 2005 [ML053470250] with Addendum A, Data Evaluation Using the Scenario A Null Hypothesis, dated November 30, 2005 [ML053470337];

12. Oak Ridge Institute for Science and Education (ORISE), Proposed Confirmatory Survey Plan for the Seneca Army Depot Activity (SEDA), Romulus, New York, dated October 27, 2006 [ML070300233]; and

13. ORISE letter dated March 13, 2007 [ML070790088] with ORISE Confirmatory Survey Results for the Seneca Army Depot Activity (SEDA), Romulus, New York, Final Report, February 2007 [ML070790054];

If you do not have access to ADAMS, or if there are problems in accessing the documents located in ADAMS, contact the NRC Public Document Room (PDR) Reference staff at 1–800–397–4209, 301–415–4737, or by e-mail to *pdr@nrc.gov*. These documents may also be viewed electronically on the public computers located at the NRC's PDR, O 1 F21, One White Flint North, 11555 Rockville Pike, Rockville, MD 20852. The PDR reproduction contractor will copy documents for a fee.

Dated at King of Prussia, PA, this day of June 8th, 2007.

For the Nuclear Regulatory Commission.

James P. Dwyer,

Chief, Commercial and R&D Branch, Division of Nuclear Materials Safety, Region 1.

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NUCLEAR REGULATORY COMMISSION

[EA–07–154; Docket No.: 52–006]

In the Matter of Westinghouse Electric Company LLC and All Other Persons Who Seek or Obtain Access to Safeguards Information Described Herein; Order Imposing Safeguards Information Protection Requirements and Fingerprinting and Criminal History Records Check Requirements for Access to Safeguards Information (Effective Immediately)

I

Westinghouse Electric Company, LLC (WEC), holds certificates for the AP600 and AP1000 reactor designs issued by the U.S. Nuclear Regulatory Commission (NRC) in accordance with the Atomic Energy Act (AEA) of 1954, as amended.

The Commission has decided to require, through rulemaking, that nuclear power plant designers perform a rigorous assessment of design features that could provide additional inherent protection to avoid or mitigate the effects of an aircraft impact, while reducing or eliminating the need for operator actions, where practicable. In anticipation of this requirement, and to assist designers in completing this assessment, the Commission has decided to provide the beyond design basis, large commercial aircraft characteristics specified by the Commission to plant designers who have the need to know and who meet the NRC's requirements for the disclosure of such information. The specified aircraft characteristics that are the subject of this order are hereby designated as Safeguards Information (SGI),[1] in accordance with Section 147 of the AEA. In addition, in a letter dated May 17, 2007, WEC requested authorization to have independent control of SGI. To implement the Commission's decision to provide this SGI to WEC, and in response to WEC's May 17 letter, the NRC is issuing this order to WEC to impose requirements for the protection of SGI, as well as for the fingerprinting of all persons who have or seek access to this SGI.

On August 8, 2005, the Energy Policy Act of 2005 (EPAct) was enacted. Section 652 of the EPAct amended Section 149 of the AEA to require fingerprinting and a Federal Bureau of Investigation (FBI) identification and criminal history records check of any person who is to be permitted to have access to SGI. The NRC's implementation of this requirement cannot await the completion of the SGI rulemaking, which is underway, because the EPAct fingerprinting and criminal history records check requirements for access to SGI were immediately effective upon enactment of the EPAct. Therefore, in accordance with Section 149 of the AEA, as amended by the EPAct, the Commission is imposing additional requirements for access to SGI, as set forth by this Order, so that Westinghouse can obtain and grant access to SGI. This Order also requires compliance with the safeguards protection measures set forth in 10 CFR 73.21 and imposes requirements for access to and protection of SGI by any person,[2] whether or not they are a licensee, applicant, or certificate holder of the Commission or an Agreement State.

In order to implement this Order, WEC must nominate an individual who will review the results of the FBI criminal history records check to make SGI access determinations. This individual, referred to as the "reviewing official," must be someone who seeks access to SGI. Based on the results of the FBI criminal history records check, the NRC staff will determine whether this individual may have access to SGI. If the NRC determines that the individual may not be granted access to SGI, the enclosed Order prohibits that individual from obtaining access to any SGI. Once the NRC approves a reviewing official, that reviewing official, and only that reviewing official, can make SGI access determinations for other individuals who have been identified by WEC as having a need-to-know SGI, and who have been fingerprinted and have had a criminal history records check in accordance with this Order. The reviewing official can only make SGI access determinations for other individuals, but cannot approve other individuals to act as reviewing officials. Only the NRC can approve a reviewing official. Therefore, if a WEC wishes to have a new or additional reviewing official, the NRC must approve that

[1] Safeguards Information is a form of sensitive, unclassified, security-related information that the Commission has the authority to designate and protect under Section 147 of the AEA.

[2] Person means (1) any individual, corporation, partnership, firm, association, trust, estate, public or private institution, group, government agency other than the Commission or the Department of Energy, except that the Department of Energy shall be considered a person with respect to those facilities of the Department of Energy specified in Section 202 of the Energy Reorganization Act of 1974 (88 Stat. 1244), any State or any political subdivision of, or any political entity within a State, any foreign government or nation or any political subdivision of any such government or nation, or other entity; and (2) any legal successor, representative, agent, or agency of the foregoing.