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FY2010

SENECA ARMY DEPOT ACTIVITY

Base Realignment & Closure
Installation Action Plan

Printed 29 September 2010

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Statement of Purpose

The purpose of the Base Realignment and Closure (BRAC) Installation Action Plan (BIAP) is to outline the total multiyear cleanup program for an installation. The plan identifies environmental cleanup requirements at each site or area of concern (AOC), and proposes a comprehensive, installation-wide approach, along with the costs and schedules associated with conducting investigations and taking the necessary remedial actions (RA).

In an effort to coordinate planning information between the BRAC environmental coordinator (BEC), the US Army Environmental Command (USAEC), Seneca Army Depot Activity (SEDA), the regulatory agencies, executing agencies, and the BRAC Division and the public, a BIAP was completed. The BIAP is used to track requirements, schedules and tentative budgets for all Army installation cleanup programs.

All site-specific funding and schedule information has been prepared according to projected overall Army funding levels and is, therefore, subject to change.

The following persons contributed to the formulation and completion of this Installation Action Plan for SENECA ARMY DEPOT ACTIVITY:

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De Jesus, Monique
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Seneca Army Depot
Seneca Army Depot
Malcolm Pirnie, Inc. for USAEC
Malcolm Pirnie, Inc. for USAEC

Installation Information

Installation Program Summaries

BRAC-IRP

Total Number of Sites: 72
Number of sites at RIP: 2
Number of sites at RC: 70
Number of sites at RC with LTM: 5
Primary Contaminants of Concern: Metals, Nitrate/Nitrite, Radionuclides, Semi-volatiles (SVOC), Volatiles (VOC)
Affected Media of Concern: Groundwater, Soil, Surface Water
Date for Remedy-In-Place (RIP)/Response Complete (RC): 201109/202201
Prior Funding: \$90,541.8 K
Current FY 10 Requirements: \$.0 K
Future Requirements (CTC): \$3,558.0 K

BRAC-MMRP

Total Number of Sites: 13
Number of sites at RIP: 0
Number of sites at RC: 9
Number of sites at RC with LTM: 1
Primary Contaminants of Concern: Metals, Munitions and explosives of concern (MEC), Munitions constituents (MC), Semi-volatiles (SVOC)
Affected Media of Concern: Groundwater, Soil
Date for Remedy-In-Place (RIP)/Response Complete (RC): 201309/201309
Prior Funding: \$11,192.4 K
Current FY 10 Requirements: \$.0 K
Future Requirements (CTC): \$2,092.0 K

Installation Locale

BRAC Round: BRAC IV

Installation Size (Acreage): 10,687.00
Retained by Component (Acreage): 0.00
BRAC Acreage: 10,687.00
Acres being transferred to another service: 0.00
Acres being transferred to other federal agencies: 0.00
Acres being transferred to non-federal agencies: 10,416.00

City: Romulus

County: Seneca

State: New York

Other Locale Information

SEDA encompasses 10,687 acres in Seneca County, New York, between Cayuga and Seneca Lakes in the Finger Lakes region and abuts the town of Romulus. It is bordered by New York State (NYS) Highway 96 to the east, NYS Highway 96A to the west, and sparsely populated farmland to the north and south.

List of Off-Post Properties

N/A

Installation Information

Environmental Condition of Property

BRAC Round: BRAC IV

	CERCLA	MMRP
Acres in Category 1:	8,598.00	0.00
Acres in Category 2:	19.00	0.00
Acres in Category 3:	1,129.00	0.00
Acres in Category 4:	287.00	14.00
Acres in Category 5:	654.00	598.00
Acres in Category 6:	0.00	0.00
Acres in Category 7:	0.00	0.00

Lead Organization

Base Realignment and Closure Division

Lead Executing Agencies for Installation

US Army Corps of Engineers (USACE)

Regulator Participation

Federal US Environmental Protection Agency (USEPA), Region II
 State New York State Department of Environmental Conservation (NYSDEC)

BRAC Closure Round: BRAC IV - Base Realignment And Closure 1995

Status of Redevelopment Initiative (Reuse Plan)

Redevelopment Plan Date: 199703
 Organization Name: Seneca County Indst Dev Agency

Existing Legal Agreements/Interim Leases

Parcel Name	Actual Lease/License Date	Length of Lease/License	Licensee
N/A			

Significant Base Tenants

Seneca County Industrial Development Agency (SCIDA)
 USACE

Projected Date of Final Transfer of Property: 201503

National Priorities List (NPL) Status

A score of 37.3 was recorded on 01-AUG-90.

Final RA(C) Completion Date: 201305

Date for NPL Deletion: TBD

Installation Restoration Advisory Board (RAB)/Technical Review Committee (TRC)/Technical Assistance for Public Participation (TAPP) Status

RAB established 1996

Cleanup Program Summary

Previous Year Planned versus Actual Progress

Installation Program Cleanup Progress

BRAC-IRP

Prior Year Progress: A remedial action - operation [RA(O)] was in progress at the Ash Landfill and Fire Training Area (FTA) sites. Long-term management (LTM) will continue for all planned industrial development (PID) sites and others as identified in the land use control (LUC) record of decision (ROD). Sites that receive no further action (NFA) approval will be closed out. A proposed remedial action plan (PRAP) and ROD for SEAD 12 was prepared.

Future Plan of Action: RA(O) will continue at the Ash Landfill and FTA sites. LTM will continue for all PID sites and others as identified in the LUC ROD. Remedial design (RD)/RA will continue and be completed for the Radioactive Burial Sites.

BRAC-MMRP

Prior Year Progress: An interim remedial action (IRA) is in progress at two sites. LTM is in progress at two sites. Two sites are at the end of the remedial investigation (RI)/feasibility study (FS) phase, with the PRAP and ROD being finalized.

Future Plan of Action: LTM will continue at sites with ROD requirements. The RI/FS will continue at SEAD-006-R-01.

Installation Exit Strategy

Seneca is a BRAC site with the mission to clean up and dispose of the property to the local reuse authority for industrial/commercial development, green energy, conservation and recreational activities, and housing. Specific details can be found in cleanup strategies of the individual sites. The last Installation Restoration Program (IRP) parcel is scheduled to be transferred in 2012. The last Military Munitions Response Program (MMRP) parcel is scheduled to be transferred in 2015.

Land Use Control (LUC) Summary

LUC title: Ash IC

Site(s): SEAD-006

ROD/DD title: Ash Landfill ROD

Location of LUC

West central portion of conservation area

Land Use Restriction: Media specific restriction - prohibit use of groundwater for consumption or domestic purposes

Types of Engineering Controls: None

Types of Institutional Controls: Deed Restrictions

Date in Place: 200501

Modification Date: N/A

Date Terminated: N/A

Inspecting Organization: Installation

Record of LUC: FOST

Documentation Date: N/A

LUC Enforcement: Annual Inspections, 5 Year Reviews

Contaminants: VOC

Additional Information

N/A

LUC title: Deact IC

Site(s): SEAD-001-R-01

ROD/DD title: Deactivation Furnaces

Location of LUC

Groundwater restriction in the PID Area

Land Use Restriction: Media specific restriction - prohibit use of groundwater for consumption or domestic purposes, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

Types of Engineering Controls: None

Types of Institutional Controls: Deed Restrictions

Date in Place: 200509

Modification Date: N/A

Date Terminated: N/A

Inspecting Organization: Installation

Record of LUC: FOST

Documentation Date: N/A

LUC Enforcement: Annual Inspections, 5 Year Reviews

Contaminants: METALS, Unexploded Ordnance(UXO)

Additional Information

N/A

LUC title: FTA IC

Site(s): SEAD-025

Land Use Control (LUC) Summary

ROD/DD title: Fire Training Areas DD

Location of LUC

PID AREA

Land Use Restriction: Media specific restriction - prohibit use of groundwater for consumption or domestic purposes

Types of Engineering Controls: None

Types of Institutional Controls: Deed Restrictions

Date in Place: 200609

Modification Date: N/A

Date Terminated: N/A

Inspecting Organization: Local Redevelopment Authority

Record of LUC: FOST

Documentation Date: N/A

LUC Enforcement: Annual Inspections, 5 Year Reviews

Contaminants: PETROLEUM HYDROCARBON, VOC

Additional Information

N/A

LUC title: LUC for SEAD 121

Site(s): SEAD-121

ROD/DD title: EBS Industrial Area

Location of LUC

PID Area

Land Use Restriction: Media specific restriction - prohibit use of groundwater for consumption or domestic purposes, Media specific restriction - restrict drinking water well installation, Media specific restriction - restrict withdrawal or use of groundwater for agricultural/irrigation purposes, Media specific restriction - restrict withdrawal or use of groundwater w/out treatment, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

Types of Engineering Controls: None

Types of Institutional Controls: Affirmative easements appurtenant, Deed Notices, Restrictions on Groundwater Withdrawal, Restrictions on land use, Zoning

Date in Place: 200809

Modification Date: N/A

Date Terminated: N/A

Inspecting Organization: Local Redevelopment Authority

Record of LUC: FOST

Documentation Date: 200806

LUC Enforcement: Annual Inspections, 5 Year Reviews, Transferee Reporting

Contaminants: METALS, PAH

Additional Information

N/A

LUC title: PID LUC

Site(s): SEAD-009, SEAD-027, SEAD-043, SEAD-044, SEAD-052, SEAD-056, SEAD-062, SEAD-066, SEAD-067, SEAD-

Land Use Control (LUC) Summary

069, SEAD-64A

ROD/DD title: Multiple Sites Rod With Risk Assessment

Location of LUC

LUC for PID and Prison parcels

Land Use Restriction: Media specific restriction - prohibit use of groundwater for consumption or domestic purposes, Media specific restriction - restrict drinking water well installation, Media specific restriction - restrict withdrawal or use of groundwater for agricultural/irrigation purposes, Media specific restriction - restrict withdrawal or use of groundwater w/out treatment, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

Types of Engineering Controls: None

Types of Institutional Controls: Deed Restrictions, Local Use ordinances, Restrictions on Groundwater Withdrawal, Restrictions on land use, Zoning

Date in Place: 200802

Modification Date: N/A

Date Terminated: N/A

Inspecting Organization: Installation

Record of LUC: FOST

Documentation Date: 200609

LUC Enforcement: Annual Inspections, 5 Year Reviews, Other

Contaminants: METALS, PAH

Additional Information

N/A

LUC title: PID LUC

Site(s): SEAD-64A

ROD/DD title: PID IC ROD

Location of LUC

PID/WHSE area as discribed in reuse plan

Land Use Restriction: Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

Types of Engineering Controls: None

Types of Institutional Controls: Deed Restrictions

Date in Place: 200509

Modification Date: N/A

Date Terminated: N/A

Inspecting Organization: Installation

Record of LUC: FOST

Documentation Date: N/A

LUC Enforcement: Annual Inspections, 5 Year Reviews

Contaminants: METALS, PESTICIDES, VOC

Additional Information

N/A

LUC title: PID/WHSE IC

Land Use Control (LUC) Summary

Site(s): SEAD-013, SEAD-039, SEAD-040, SEAD-067

ROD/DD title: NFA/IC sites II

Location of LUC

PID and Whse Area and the East Central portion of Installation

Land Use Restriction: Media specific - Prohibit activities that results in contact with contaminated sediments, Media specific restriction - prohibit use of groundwater for consumption or domestic purposes

Types of Engineering Controls: None

Types of Institutional Controls: Deed Restrictions, Zoning

Date in Place: 200609

Modification Date: N/A

Date Terminated: N/A

Inspecting Organization: Local Redevelopment Authority

Record of LUC: FOST

Documentation Date: N/A

LUC Enforcement: Annual Inspections, 5 Year Reviews

Contaminants: NITRATE/NITRITE, PAH

Additional Information

N/A

LUC title: Paint Disposal Area LUC

Site(s): SEAD-059, SEAD-071

ROD/DD title: Paint Disposal Areas ROD

Location of LUC

PID area

Land Use Restriction: Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

Types of Engineering Controls: None

Types of Institutional Controls: Deed Restrictions, Restrictions on land use, Zoning

Date in Place: 200609

Modification Date: N/A

Date Terminated: N/A

Inspecting Organization: Local Redevelopment Authority

Record of LUC: FOST

Documentation Date: N/A

LUC Enforcement: Annual Inspections, 5 Year Reviews

Contaminants: METALS, PAH

Additional Information

N/A

LUC title: SEAD 1,2,5

Site(s): SEAD-001, SEAD-002, SEAD-005

ROD/DD title: Rad site, SEAD-48

Land Use Control (LUC) Summary

Location of LUC

PID AREA

Land Use Restriction: Media specific restriction - prohibit use of groundwater for consumption or domestic purposes, Media specific restriction - restrict withdrawal or use of groundwater for agricultural/irrigation purposes, Media specific restriction - restrict withdrawal or use of groundwater w/out treatment, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

Types of Engineering Controls: None

Types of Institutional Controls: Affirmative easements in gross, Deed Restrictions, Zoning

Date in Place: 200909

Modification Date: N/A

Date Terminated: N/A

Inspecting Organization: Local Redevelopment Authority

Record of LUC: FOST

Documentation Date: 200909

LUC Enforcement: Annual Inspections, 5 Year Reviews, Transferee Reporting

Contaminants: METALS, PAH

Additional Information

N/A

LUC title: VAPOR INTRUSION SEAD 12

Site(s): SEAD-012

ROD/DD title: SEAD 12 RAD site ROD

Location of LUC

SEAD 12 BUILDING 813/814

Land Use Restriction: Restrict land use - Mitigation area(s) protection

Types of Engineering Controls: None

Types of Institutional Controls: Affirmative easements appurtenant, Deed Restrictions, Restrictions on Groundwater Withdrawal, Restrictions on land use, Restrictive covenants, Zoning

Date in Place: 201009

Modification Date: N/A

Date Terminated: N/A

Inspecting Organization: State

Record of LUC: FOST

Documentation Date: N/A

LUC Enforcement: Annual Inspections, 5 Year Reviews

Contaminants: VOC

Additional Information

N/A

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SENECA ARMY DEPOT ACTIVITY

**Base Realignment and Closure
Installation Restoration Program**

BRAC-IRP Summary

Installation Total Army Environmental Database-Restoration (AEDB-R) BRAC Sites/Closeout Sites Count: 72/65

Sites planned for RIP for FY2011

Site ID	Site Name	Month
N/A		

Sites planned for RC for FY2011

Site ID	Site Name	Month
N/A		

Installation Site Types with Future and/or Underway Phases*

- 1 Disposal Pit/Dry Well
(SEAD-013)
- 1 Fire/Crash Training Area
(SEAD-025)
- 2 Landfill
(SEAD-006, SEAD-009)
- 1 Radioactive Waste Area
(SEAD-012)
- 1 Storage Area
(SEAD-005)
- 1 Surface Disposal Area
(SEAD-004)

Most Widespread Contaminants of Concern*

Metals, Nitrate/Nitrite, Radionuclides, Semi-volatiles (SVOC), Volatiles (VOC)

Media of Concern*

Groundwater, Soil, Surface Water

Completed Remedial Actions (Interim Remedial Actions / Final Remedial Actions (IRA/FRA))*

Site ID	Site Name	Action	Remedy	FY	Cost
SEAD-030	UST BUILDING 118 POL	FRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1993	TBD
SEAD-006	ASH LANDFILL (SEAD- 3,6,8,14,15)	IRA	OTHER	1995	TBD
SEAD-059	FILL AREA WEST 135	IRA	REMOVAL	2003	TBD
SEAD-027	BLDG 360 STEAM CLEANING WASTE TANK	FRA	INSTITUTIONAL CONTROLS	2005	TBD
SEAD-050	TANK FARM	IRA	REMOVAL	2005	TBD
SEAD-005	SEWAGE SLUDGE WASTE PILES	IRA	REMOVAL	2006	TBD
SEAD-024	ABANDONED POWDER BURNING PIT	IRA	REMOVAL	2006	TBD
SEAD-025	FIRE TRAINING AND DEMO PAD	FRA	REMOVAL	2006	TBD
SEAD-039	BOILER PLANT BLOWDOWN PITS BUILDING 121	IRA	REMOVAL	2006	TBD
SEAD-063	MISCELLANEOUS COMPONENTS BURIAL SITE	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	2006	TBD
SEAD-067	DUMP SITE EAST OF STP #4	IRA	REMOVAL	2006	TBD
SEAD-006	ASH LANDFILL (SEAD- 3,6,8,14,15)	FRA	GROUND WATER TREATMENT	2007	TBD
SEAD-011	OLD CONSTRUCTION DEBRIS LANDFILL	IRA	WASTE REMOVAL - SOILS	2008	TBD

BRAC-IRP Summary

Completed Remedial Actions (Interim Remedial Actions / Final Remedial Actions (IRA/FRA))*

Site ID	Site Name	Action	Remedy	FY	Cost
SEAD-013	IRFNA DISPOSAL SITE (6)	FRA	INSTITUTIONAL CONTROLS	2008	TBD
SEAD-004	MUNITIONS WASHOUT FACILITY LEACH FIELD	FRA	OTHER	2009	TBD

Total BRAC-IRP Funding

Prior Funding:	\$90,541.8 K
Current Requirements:	\$.0 K
Future Requirements:	\$3,558.0 K

Duration of BRAC-IRP

Date of BRAC-IRP Inception:	197901
Date for Remedy-In-Place (RIP)/Response Complete (RC):	201109/202201
Date of BRAC-IRP completion including Long Term Management (LTM):	202210

*Note: This does not include sites closed prior to installation being identified as BRAC.

BRAC-IRP Contamination Assessment

Contamination Assessment Overview

SEDA was added to the NPL in 1989. The Federal Facilities Agreement (FFA) between the USEPA, the state of New York, and the Army was signed in 1993. Seneca's mission before BRAC included the responsibility to receive, store, distribute, maintain, and demilitarize conventional ammunition, explosives, and special weapons; store, maintain, and issue general supplies, including hazardous materials. The major contaminants found on the installation include chlorinated solvents, radioactive isotopes, heavy metals, and petroleum hydrocarbons. The media affected by those contaminants includes groundwater, surface water, sediment, and soil.

Previous investigations completed in 1993 identified 72 solid waste management units (SWMUs). The environmental baseline study completed in 1996 added two additional sites (SEAD-121 PID Area and SEAD-122 Airfield) that were identified as AOCs. Twenty-two operable units (OUs) address the 74 AOCs. These sites are generally categorized as landfills, munitions open burning and open detonation (OB/OD) grounds, refuse burning sites, dump sites, burial pits, spills, and FTAs. The final remedy is expected to be in place for the IRP program by September 2010, subject to funding availability. Institutional controls (ICs) restricting certain types of development will last indefinitely.

RA operations are being performed on seven AOCs. LTM is being performed at 27 AOCs under SEAD-009 where the sites are at response in place. There are 32 AOCs where the response is complete.

SEAD-012 fieldwork has been completed and progress has been made at the site towards all work being completed under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) process. SEAD-005 RA is complete and the final completion report is being processed.

SENECA ARMY DEPOT ACTIVITY
Installation Restoration Program
Site Descriptions

Site Name: MUNITIONS WASHOUT FACILITY LEACH FIELD

STATUS

Parcel: LRA 2B (76 acres)
 Regulatory Driver: CERCLA
 RRSE: HIGH
 Program: BRAC-IRP
 Contaminants of Concern: Metals
 Media of Concern: Soil
 BRAC Round: BRAC IV

Phases	Start	End
PA.....	197905.....	198001
SI.....	199106.....	199512
RI/FS.....	199503.....	200809
RA(C).....	200602.....	200907
LTM.....	200909.....	201309

RIP Date: N/A
 RC Date: 200907

SITE DESCRIPTION

SEAD-004 is the munitions washout facility located in the southwestern portion of SEDA and was part of the ammunition workshop facility covering roughly 30 acres of developed and undeveloped areas. During the years that the munitions washout building was operating, the ammunition workshop facility consisted of 11 buildings. Four buildings were demolished.

A man-made lagoon approximately 150 feet in diameter was created for the purpose of containing wastewater. Within the past eight years, the pond was widened and deepened with a bulldozer. Pond sediment was pushed southwest of the pond to a 400 foot by 150 foot area adjacent to the pond. There are no known records of its full excavation beyond this dredging and it is assumed not to have a liner.

The expanded site investigation (ESI) conducted at SEAD-004 in 2005 consisted of geophysics, soil sampling, test pitting, monitoring well installation, groundwater sampling, surface water and sediment sampling.

The ESI indicated that the surface and subsurface soils have been impacted by antimony, copper, chromium and zinc at concentrations significantly above their respective screening values. A baseline ecological risk assessment showed unacceptable risk to the mourning dove.

A ROD was signed. RA consisted of the removal of soil to an off-site disposal facility.

At the completion of the RA, NFA was required.

Work conducted at SEAD-004 also includes SEAD-038 Boiler Plant Blowdown Pit at Building 2079.

CLEANUP/EXIT STRATEGY

LTM includes the removal of groundwater monitoring wells and the preparation of site closeout documentation.

Site ID: SEAD-005

Site Name: SEWAGE SLUDGE WASTE PILES

STATUS

Parcel: LRA 1/PID (21 acres)

Regulatory Driver: CERCLA

RRSE: HIGH

Program: BRAC-IRP

Contaminants of Concern: Metals

Media of Concern: Soil

BRAC Round: BRAC IV

Phases	Start	End
PA.....	199008.....	199307
SI.....	199008.....	199409
RI/FS.....	200106.....	200909
IRA.....	200106.....	200605
LTM.....	201010.....	201109

RIP Date: N/A

RC Date: 200909

SITE DESCRIPTION

This site resulted from the storage of domestic sewage sludge from the drying beds at Sewage Treatment Plants (STPs) No. 4 and No. 715. The storage area typically covered 220 feet by 110 feet and use began in the 1980s.

Investigation results have revealed that the sludge material contains elevated levels of heavy metals. An IRA is complete. A proposed remedial action plan (PRAP) and a ROD with LUCs was signed. A no digging restriction will be placed on this site as a result of the excavated soils placed there from SEAD-059. A LUC associated with this site will be accomplished as part of the SEAD-009 LUC administration.

CLEANUP/EXIT STRATEGY

LTM includes groundwater (GW) well removal, site closeout documentation and maintaining LUC.

Site ID: SEAD-006

Site Name: ASH LANDFILL (SEAD-3,6,8,14,15)

STATUS

Parcel: LRA 1B (45.24 acres)

Regulatory Driver: CERCLA

RRSE: HIGH

Program: BRAC-IRP

Contaminants of Concern: Metals, Semi-volatiles (SVOC), Volatiles (VOC)

Media of Concern: Groundwater, Soil

BRAC Round: BRAC IV

Phases	Start	End
PA.....	198009.....	198707
SI.....	198809.....	198907
RI/FS.....	198910.....	199410
RD.....	199804.....	200609
IRA.....	199409.....	199506
RA(C).....	200109.....	200612
RA(O).....	200701.....	202201

RIP Date: 200701

RC Date: 202201

SITE DESCRIPTION

The Ash Landfill OU (Ash Landfill) occupies approximately 130 acres along the western boundary of SEDA. The Ash Landfill is composed of five SWMUs:

- the Incinerator Cooling Water Pond (SEAD-003),
- the Ash Landfill (SEAD-006),
- the Non-Combustible Fill Landfill (NCFL) (SEAD-008),
- the Refuse Burning Pits (SEAD-014), and
- the Abandoned Solid Waste Incinerator Building (SEAD-015).

Primary contaminants are volatile organic compound (VOCs), semi-volatile organic compound (SVOCs) [mainly polycyclic aromatic hydrocarbons (PAHs)] and metals. The source of the VOCs was most likely the three alleged solvent dump areas located northwest of the Ash Landfill site.

Two removal actions have been performed at the Ash Landfill. The first action removed a former 1,000-gallon heating oil underground storage tank (UST) and the second was a non-time critical removal action conducted between August 1994 and June 1995. The latter consisted of excavation and thermal treatment of VOC-impacted soils using the low temperature thermal desorption process.

A ROD was signed in 2004 that included the RAs of excavation and off-site disposal of debris piles, establishment and maintenance of a vegetative soil cover for the Ash Landfill and the NCFL, and installation of three in situ permeable reactive barrier walls.

The LTM for this site has been combined with SEAD-009. The LTM requirements are now included with SEAD-009 and do not appear with this site.

This site includes SEAD-003, SEAD-008, SEAD-014, and SEAD-015 for tracking purposes.

CLEANUP/EXIT STRATEGY

The RA(O) includes monitoring and five-year reviews until GW cleanup standards have been met, followed by site closeout documentation. LTM includes maintaining LUCs.

The ramp-down strategy is detailed in the LTM plan. This plan contains provisions to reduce monitoring requirements as cleanup goals are met.

Site ID: SEAD-009

Site Name: MULT NFA SITES (OLD SCRAP WD PILE)

STATUS

Parcel: PID Transfer (967 acres)

Regulatory Driver: CERCLA

RRSE: LOW

Program: BRAC-IRP

Contaminants of Concern: Metals

Media of Concern: Soil

BRAC Round: BRAC IV

Phases	Start	End
PA.....	197905.....	198001
SI.....	199408.....	199409
RI/FS.....	199907.....	200709
LTM.....	200710.....	202109

RIP Date: N/A

RC Date: 200709

SITE DESCRIPTION

The Old Scrap Wood Site (SEAD-009) is located in the eastern-central portion of the depot where future land use has been designated as industrial development. All sites associated with SEAD-009 have been consolidated for LUC implementation.

The Army proposed SEAD-009 as a moderately low priority AOC and this recommendation was documented in the final SWMU classification report.

A No Action ROD signed September 2003 includes the following:

- SEAD-007,
- SEAD-009,
- SEAD-010,
- SEAD-018,
- SEAD-019,
- SEAD-020,
- SEAD-021,
- SEAD-022,
- SEAD-033,
- SEAD-035,
- SEAD-036,
- SEAD-037,
- SEAD-042,
- SEAD-049,
- SEAD-051,
- SEAD-053,
- SEAD-055,
- SEAD-065, and
- SEAD-068.

A No Action ROD which includes SEAD-058 was signed in September 2006.

The ROD for sites requiring ICs in the planned industrial/office development or warehousing areas was signed Sept. 28, 2004 and includes SEAD-027, SEAD-066 and SEAD-64A.

The ROD for the following 17 SWMUs requiring LUCs was signed on July 3, 2007:

- SEAD-013,
- SEAD-039,
- SEAD-040,
- SEAD-041,
- SEAD-043/056/069,
- SEAD-044A,
- SEAD-044B,
- SEAD-052,

Site ID: SEAD-009

Site Name: MULT NFA SITES (OLD SCRAP WD PILE)

- SEAD-062,
- SEAD-64B,
- SEAD-64C,
- SEAD-64D,
- SEAD-067,
- SEAD-122B, and
- SEAD-122E).

RODs for SEAD-001, 002, 005, 059, 071, 121C and 121I were signed requiring LUCs. These sites were added to SEAD-009 and incorporated into established LUC management requirements.

CLEANUP/EXIT STRATEGY

LTM includes maintaining LUCs and preparing site closeout documentation.

For cost estimating purposes, the LTM duration as indicated in the phase schedule extends only to the end of the second five-year review; however, LTM is anticipated to continue in perpetuity.

Site ID: SEAD-012

Site Name: RADIOACTIVE BURIAL SITES (3)

STATUS

Parcel: LRA 4 (49 acres)

Regulatory Driver: CERCLA

RRSE: HIGH

Program: BRAC-IRP

Contaminants of Concern: Metals, Volatiles (VOC)

Media of Concern: Groundwater, Soil, Surface Water

BRAC Round: BRAC IV

Phases	Start	End
PA.....	197905.....	198001
SI.....	199310.....	199409
RI/FS.....	199503.....	201109
RA(C).....	200906.....	201109
LTM.....	201109.....	202210

RIP Date: N/A

RC Date: 201109

SITE DESCRIPTION

This site consists of the former special weapons storage area at the north end of the installation. Three areas within the special weapons area were used to bury classified components.

Buildings 813 and 814 were constructed in the 1950s and primarily used for painting operations. A supplemental remedial investigation (SRI) was conducted based on the recommendations from the RI/FS conducted from 1995 through 1999 due to elevated trichloroethylene (TCE) in groundwater adjacent to the building, and further investigation of EM-5, miscellaneous material burial pit, was recommended to further evaluate elevated levels of lead-210 (Pb-210) detected in soil samples.

In FY05 a soil removal action was conducted at the northeast corner of Building 813 with confirmatory samples indicating no VOC concentrations above soil screening criteria. Additional soil samples collected at EM-5 showed Pb-210 to be within screening criteria. Results of the RI indicate no unacceptable risk to human health and the environment.

In FY09 an interim remedial measure (IRM) was performed to remove military items that had been previously buried. As part of this action, SEAD-072 was closed in accordance with (IAW) Resource Conservation and Recovery Act (RCRA) requirements.

The third area, SEAD-072 Mixed Waste Storage Building, regulated under the Interim Status Hazardous Waste Permit was closed out and incorporated into the ROD for SEAD-012.

The PRAP and ROD for SEAD-012 and 072 are being prepared.

This site is combined with SEAD-063 for funding.

CLEANUP/EXIT STRATEGY

The RI/FS was completed in FY08. The RA is underway and consists of the removal and disposal of classified components followed by LTM. LTM will include site closeout documentation.

For cost estimating purposes, the LTM duration as indicated in the phase schedule extends only to the end of the second five-year review; however, LUC maintenance under the LTM phase is anticipated to continue in perpetuity.

Site ID: SEAD-013

Site Name: IRFNA DISPOSAL SITE (6)

STATUS

Parcel: NONE

Regulatory Driver: CERCLA

RRSE: HIGH

Program: BRAC-IRP

Contaminants of Concern: Nitrate/Nitrite

Media of Concern: Groundwater

BRAC Round: BRAC IV

Phases	Start	End
PA.....	197905.....	198001
SI.....	199106.....	199512
RI/FS.....	199503.....	200708
RA(C).....	200808.....	200809
RA(O).....	200808.....	200809
LTM.....	200810.....	201109

RIP Date: 200809

RC Date: 200809

SITE DESCRIPTION

The Inhibited Red Fuming Nitric Acid (IRFNA) Disposal Site is located in the northeastern portion of SEDA and includes two IRFNA disposal areas, SEAD-013-East and SEAD-013-West, located on the eastern and western sides of the south end of the Duck Pond, respectively. SEAD-013-East consists of six elongated disposal pits generally 20 to 30 feet long, oriented east to west, and marked by sparse vegetation, crushed shale and one inch limestone pieces at the surface. Vertical water and shower pipes are located west of the pits. This site was used by the Army to neutralize IRFNA, a liquid propellant constituent. The acid was poured into a trench filled with limestone and water and was neutralized. The process resulted in nitrogen compounds being introduced into the GW.

An ESI was conducted from 1993 to 1994 followed by supplemental sampling from 2000 to 2002. Results of field investigations identified four wells at SEAD-013-East with nitrate/nitrite-nitrogen concentrations above the NYS Ambient Water Quality Standard (AWQS) for GW classified as GA. A 2004 decision document (DD) recommended that RA for soil, sediment, and surface water was not required and instituting GW use restriction to prevent the ingestion of GW is required until contaminant concentrations meet the NYSDEC Class GA GW standards and the USEPA maximum contaminant levels (MCLs). This site is associated with SEAD-009 for LTM.

CLEANUP/EXIT STRATEGY

LTM for this site will be accomplished under Site SEAD-009. Five-year reviews will evaluate the need for continued groundwater monitoring. Once cleanup goals are met, site closeout documentation will be prepared.

Site ID: SEAD-025

Site Name: FIRE TRAINING AND DEMO PAD

STATUS

Parcel: LRA 1/PID (21 acres)

Regulatory Driver: CERCLA

RRSE: HIGH

Program: BRAC-IRP

Contaminants of Concern: Metals, Polycyclic Aromatic Hydrocarbons (PAH), Volatiles (VOC)

Media of Concern: Groundwater, Soil

BRAC Round: BRAC IV

Phases	Start	End
PA.....	199002.....	199102
SI.....	199106.....	199512
RI/FS.....	199503.....	200010
RD.....	199909.....	200510
RA(C).....	200502.....	200607
LTM.....	200608.....	201708

RIP Date: N/A

RC Date: 200607

SITE DESCRIPTION

For tracking purposes, SEAD-025 is combined with SEAD-026.

The Fire Training and Demonstration Pad (SEAD-025) is located in the east-central portion of SEDA covering roughly 7.6 acres and was in use from the late-1960s to the late-1980s. During the 1980s the pad was used twice for fire fighting demonstrations, once in 1982 or 1983 and again in 1987. Results of the 1998 RI indicated the site soil had been impacted by VOCs and SVOCs due to past fire training activities. The presence of VOCs in the soil is considered to be the source of GW impacts that will be mitigated through the removal of the soil.

The 2003 ROD proposed to remove impacted soil and institute LUCs. This action was conducted in 2005.

The Fire Training Pit and Area (SEAD-026) is located in the southeastern portion of SEDA and covers approximately 8.2 acres. SEAD-026 was in use from 1977 to 1994 and was used one to four times a year for fire fighting training during which time various flammable materials were floated on water, ignited, and extinguished. Prior to 1977 the FTA may have also been used for fire demonstrations. On-site soils have been impacted by elevated levels of PAHs and GW has been impacted by VOCs. As with SEAD-025, the 2003 ROD proposed to excavate impacted soil and treat GW entering the excavation. The remedy was designed to restore the site to unrestricted use. The RA which consisted of a soil removal was completed in FY06 and GW monitoring started.

The AMS Code is 61366R29.

CLEANUP/EXIT STRATEGY

LTM will consist of groundwater monitoring, five-year reviews, and LUCs.

The ramp-down strategy is detailed in the LTM plan. This plan contains provisions to reduce monitoring requirements as cleanup conditions are met.

For cost estimating purposes, the LTM duration as indicated in the phase schedule extends only to the end of the second five-year review; however, LTM is anticipated to continue in perpetuity.

BRAC-IRP Schedule

Date of BRAC-IRP Inception: 197901

Projected Phase Completion Milestones

See attached schedule

Projected Record of Decision (ROD)/Decision Document (DD) Approval Dates

Site ID	Site Name	ROD/DD Title	ROD/DD Date
SEAD-012	RADIOACTIVE BURIAL SITES (3)	SEAD 12 RAD site ROD	20110928
SEAD-072	BUILDING 803- MIXED WASTE STORAGE	SEAD 12 RAD site ROD	20110928

Final RA(C) Completion Date: 201109

NPL Deletion Date: TBD

Schedule for Next Five-Year Review: 2011

Estimated Completion Date of BRAC-IRP at Installation (including LTM phase): 202210

SENECA ARMY DEPOT ACTIVITY BRAC-IRP Schedule

SITE ID	SITE NAME	PHASE	FY11	FY12	FY13	FY14	FY15	FY16+
SEAD-004	MUNITIONS WASHOUT FACILITY LEACH FIELD	LTM						
SEAD-005	SEWAGE SLUDGE WASTE PILES	LTM						
SEAD-006	ASH LANDFILL (SEAD-3,6,8,14,15)	RA(O)						
SEAD-009	MULT NFA SITES (OLD SCRAP WD PILE)	LTM						
SEAD-012	RADIOACTIVE BURIAL SITES (3)	RI/FS						
		RA(C)						
		LTM						
SEAD-013	IRFNA DISPOSAL SITE (6)	LTM						
SEAD-025	FIRE TRAINING AND DEMO PAD	LTM						

= phase underway

BRAC-IRP Costs

Total Funding through FY2004: \$79,972.0 K

(Includes ER,A funding from FY04 and prior years.)

Prior Funding FY	Phase	BRAC Round	Site ID	Obligations	FY Total				
2005	IRA RA(C)		SEAD-011	\$6,615.0 K	\$7,919.0 K				
			SEAD-006	\$30.0 K					
			SEAD-025	\$1,135.0 K					
	RI		SEAD-005	\$15.0 K					
			SEAD-009	\$41.0 K					
			SEAD-012	\$46.0 K					
			SEAD-013	\$37.0 K					
2006	IRA		SEAD-121	\$300.0 K	\$810.0 K				
	RI		SEAD-012	\$510.0 K					
2007	LTM		SEAD-023	\$72.0 K	\$614.8 K				
			SEAD-025	\$89.0 K					
	RA(C)		SEAD-004	\$27.8 K					
			SEAD-006	\$102.5 K					
			SEAD-013	\$95.0 K					
	RI		SEAD-005	\$56.5 K					
			SEAD-009	\$72.7 K					
			SEAD-024	\$35.4 K					
			SEAD-039	\$13.9 K					
			SEAD-121	\$50.0 K					
			2008	LTM		BRAC IV	SEAD 005	\$9.0 K	\$559.0 K
							SEAD 009	\$9.0 K	
							SEAD 023	\$72.0 K	
SEAD 039	\$9.0 K								
SEAD 048	\$46.0 K								
SEAD 059	\$9.0 K								
SEAD 25	\$68.0 K								
RA-O	BRAC IV	SEAD 27	\$9.0 K						
		SEAD24	\$46.0 K						
		SEAD -006	\$187.0 K						
2009	LTM	BRAC IV	SEAD 013	\$95.0 K	\$667.0 K				
			SEAD-005	\$9.0 K					
			SEAD-006	\$8.0 K					
			SEAD-009	\$73.0 K					
			SEAD-011	\$55.0 K					
			SEAD-024	\$47.0 K					
			SEAD-025	\$46.0 K					
			SEAD-025	\$46.0 K					
			SEAD-048	\$46.0 K					
			SEAD-059	\$29.0 K					
	RA(O)		BRAC IV	SEAD-121		\$3.0 K			
				SEAD-006		\$192.0 K			
				SEAD-013		\$113.0 K			

BRAC-IRP Costs

TOTAL PRIOR FUNDING: \$90,541.8 K

Current Requirements

TOTAL CURRENT REQUIREMENTS \$0 K

Future Requirements - BRAC IV	\$3,558.0 K
Total Future Requirements	\$3,558.0 K

TOTAL PROGRAM COST: \$94,099.8 K
(Includes ER,A funding from FY04 and prior years.)

Required Cost-to-Complete

BRAC IV

SITE ID	Phase	SITE NAME							Out Yrs	Total
		FY11	FY12	FY13	FY14	FY15	FY16	FY17		
SEAD-004		MUNITIONS WASHOUT FACILITY LEACH FIELD								
	LTM			82					82	
								Site Total	82	
SEAD-005		SEWAGE SLUDGE WASTE PILES								
	LTM	51							51	
								Site Total	51	
SEAD-006		ASH LANDFILL (SEAD-3,6,8,14,15)								
	RA(O)	132	132	132	132	132	132	132	867	1791
									Site Total	1791
SEAD-009		MULT NFA SITES (OLD SCRAP WD PILE)								
	LTM	100	62	62	62	62	100	62	287	797
									Site Total	797
SEAD-012		RADIOACTIVE BURIAL SITES (3)								
	RI/FS									
	RA(C)									
	LTM	4	3	4	3	4	3	4	156	181
									Site Total	181
SEAD-025		FIRE TRAINING AND DEMO PAD								
	LTM	112	83	83	83	84	113	98		656
									Site Total	656
Totals		399	280	363	280	282	348	296	1310	3558
									Site Total	3558

Programmed Cost-to-Complete

3RAC IV

SITE ID ACTIVITY	Phase	SITE NAME							Out Yrs	Total
		FY11	FY12	FY13	FY14	FY15	FY16	FY17		
SEAD-004		MUNITIONS WASHOUT FACILITY LEACH FIELD								
	LTM	0	0	82	0	0	0	0	0	82
									Site Total	82
SEAD-005		SEWAGE SLUDGE WASTE PILES								
	LTM	51	0	0	0	0	0	0	0	51
									Site Total	51
SEAD-006		ASH LANDFILL (SEAD-3,6,8,14,15)								
	RA(O)	132	132	132	132	132	132	132	867	1791
									Site Total	1791
SEAD-009		MULT NFA SITES (OLD SCRAP WD PILE)								
	LTM	100	62	62	62	62	100	62	287	797
									Site Total	797
SEAD-012		RADIOACTIVE BURIAL SITES (3)								
	RI/FS									
	RA(C)									
	LTM	4	3	4	3	4	3	4	156	181
									Site Total	181
SEAD-025		FIRE TRAINING AND DEMO PAD								
	LTM	112	83	83	83	84	113	98	0	656
									Site Total	656
Totals		399	280	363	280	282	348	296	1310	3558
									Site Total	3558

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SENECA ARMY DEPOT ACTIVITY

Base Realignment and Closure
Military Munitions Response Program

BRAC-MMRP Summary

Installation Total Army Environmental Database-Restoration (AEDB-R) BRAC Sites/Closeout Sites Count: 13/8

Sites planned for RIP for FY2011

Site ID	Site Name	Month
N/A		

Sites planned for RC for FY2011

Site ID	Site Name	Month
N/A		

Installation Site Types with Future and/or Underway Phases*

- 1 Explosive Ordnance Disposal Area
(SEAD-002-R-01)
- 2 Firing Range
(SEAD-003-R-01, SEAD-007-R-01)
- 1 Incinerator
(SEAD-001-R-01)
- 1 Open Burn
(SEAD-006-R-01)

Most Widespread Contaminants of Concern*

Metals, Munitions and explosives of concern (MEC), Munitions constituents (MC), Semi-volatiles (SVOC)

Media of Concern*

Groundwater, Soil

Completed Remedial Actions (Interim Remedial Actions / Final Remedial Actions (IRA/FRA))*

Site ID	Site Name	Action	Remedy	FY	Cost
SEAD-001-R-01	DEACTIVATION FURNACES	FRA	INSTITUTIONAL CONTROLS	2008	TBD
SEAD-001-R-01	DEACTIVATION FURNACES	FRA	WASTE REMOVAL - SOILS	2008	TBD
SEAD-007-R-01	RIFLE GRENADE RANGE	IRA	REMOVAL	2008	TBD

Total BRAC-MMRP Funding

Prior Funding:	\$11,192.4 K
Current Requirements:	\$.0 K
Future Requirements:	\$2,092.0 K

Duration of BRAC-MMRP

Date of BRAC-MMRP Inception:	197905
Date for Remedy-In-Place (RIP)/Response Complete (RC):	201309/201309
Date of BRAC-MMRP completion including Long Term Management (LTM):	202309

*Note: This does not include sites closed prior to installation being identified as BRAC.

BRAC-MMRP Contamination Assessment

Contamination Assessment Overview

SEDA was added to the NPL in 1989. The FFA between the USEPA, the state of New York, and the Army was signed in 1993. Seneca's mission before BRAC included the responsibility to receive, store, distribute, maintain, and demilitarize conventional ammunition, explosives, and special weapons; store, maintain, and issue general supplies, including hazardous materials. The major contaminants found on the installation include chlorinated solvents, radioactive isotopes, heavy metals, and petroleum hydrocarbons. The media affected by those contaminants include GW, surface water, sediment, and soil.

Previous investigations completed in 1993 identified 72 SWMUs of which six MMRP sites were identified as requiring action. Munitions and explosives of concern (MEC) and munitions constituents (MC) were identified. The sites included deactivation of munitions in furnaces, open burning, open detonation, and function testing of munitions. Training ranges were also identified. Work has progressed on five of the sites. Remediation at the open burning grounds, function test range, and deactivation furnaces has been completed; they are all undergoing LTM activities performed annually. The fieldwork for SEAD-002-R-01, SEAD-003-R-01, and SEAD-007-R-01 has been completed and they are being closed out through the CERCLA process. SEAD-006-R-01 RCRA closure of the open burning and open detonation grounds has been initiated and expected to take three years of construction work to complete and an additional year to close out and transfer.

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SENECA ARMY DEPOT ACTIVITY
Military Munitions Response Program
Site Descriptions

Site ID: SEAD-001-R-01
Site Name: DEACTIVATION FURNACES

STATUS

Parcel: LRA 2A (14 acres)
Regulatory Driver: CERCLA
Program: BRAC-MMRP
MRSPP Score: No longer required
Contaminants of Concern: Metals, Semi-volatiles (SVOC)
Media of Concern: Soil
BRAC Round: BRAC IV

Phases	Start	End
PA.....	199901.....	200001
RI/FS.....	200010.....	200609
RD.....	200603.....	200705
RA(C).....	200603.....	200808
LTM.....	200810.....	201709

RIP Date: N/A
RC Date: 200808

SITE DESCRIPTION

Formerly SEAD-016/017, this site includes former and existing popping plants. The Abandoned Deactivation Furnace (SEAD-016), located in the east-central portion of SEDA, consists of 2.6 acres of fenced land with grasslands, a storage area and the building housing the deactivation furnace. The Active Deactivation Furnace (SEAD-017) is located adjacent to and southwest of SEAD-016 and consists of a deactivation furnace building surrounded by a crushed shale road.

Based on the ESI, an RI field program identified lead in building materials and soil and PAHs in the soil at SEAD-016. Lead concentrations in the soil at SEAD-016 were of concern. A final ROD was signed by the regulators on Sept. 29, 2006.

The RA took place in FY07 which removed soil to an approved off-site disposal facility and the demolition of all structures on the site.

LTM includes the monitoring of GW and the management of LUCs.

CLEANUP/EXIT STRATEGY

A contract is in place to take this site through to remedy-in-place (RIP).

LTM includes groundwater monitoring, LUCs, five-year reviews, and site closeout documentation.

For cost estimating purposes, the LTM duration as indicated in the phase schedule extends only to the end of the second five-year review; however, LTM is anticipated to continue in perpetuity.

Site ID: SEAD-002-R-01
Site Name: EAST EOD RANGES

STATUS

Parcel: LRA 3B (148.8 acres)
Regulatory Driver: CERCLA
Program: BRAC-MMRP
MRSPP Score: Evaluation pending
Contaminants of Concern: Munitions and explosives of concern (MEC)
Media of Concern: Soil
BRAC Round: BRAC IV

Phases	Start	End
PA.....	200011.....	200306
RI/FS.....	200110.....	201109
IRA.....	200502.....	201109
LTM.....	201110.....	202209

RIP Date: N/A
RC Date: 201109

SITE DESCRIPTION

The East Explosive Ordnance Disposal (EOD) Ranges include EOD Range 2 and EOD Range 3. EOD Range 2 covers five acres and is located along the northeastern portion of SEDA within Local Training Area (LTA) 2.

MEC has been found at both sites as a result of record search and site investigations. The RI recommended performing removal actions at the two locations and restricting the land use to surface activity.

Removal action occurred in FY08. A LUC PRAP and ROD are being proposed.

CLEANUP/EXIT STRATEGY

A contract has been procured to take this site through RC.

LTM includes MEC monitoring. For cost estimating purposes, the LTM duration as indicated in the phase schedule extends only to the end of the second five-year review; however, LTM is anticipated to continue in perpetuity.

Site ID: SEAD-003-R-01
Site Name: EOD RANGE 1

STATUS

Parcel: LRA 5 (88 acres)

Regulatory Driver: CERCLA

Program: BRAC-MMRP

MRSPP Score: Evaluation pending

Contaminants of Concern: Metals, Munitions and explosives of concern (MEC), Munitions constituents (MC)

Media of Concern: Soil

BRAC Round: BRAC IV

Phases	Start	End
PA.....	200111.....	200206
RI/FS.....	200210.....	201105
RD.....	201111.....	201205
RA(C).....	201206.....	201305
LTM.....	201309.....	202309

RIP Date: N/A

RC Date: 201305

SITE DESCRIPTION

This range consists of three separate areas: EOD Area 1 (SEAD-057), the Demolition Range, and the Function Test Range. EOD Area 1 occupies 194 acres at the northwest corner of SEDA and was used from 1941 until 1995. The Demolition Range is also located in the northwest portion of SEDA and covers 40 acres. A 2001 engineering evaluation/cost analysis (EE/CA) revealed scrap, but no unexploded ordnance (UXO). The Function Test Range is located within the Local Training Area 2 (LTA-2) on the eastern side of SEDA.

An ordnance removal action was performed in 2008. A LUC (for ordnance) PRAP and ROD are being proposed.

CLEANUP/EXIT STRATEGY

A field investigation has been completed and a completion report has been prepared, followed by a ROD with LUCs for MEC. A contract has been procured to take the site through RC.

A soil excavation followed by off-site disposal may be required. LTM includes MEC ICs.

For cost estimating purposes, the LTM duration as indicated in the phase schedule extends only to the end of the second five-year review; however, LTM is anticipated to continue in perpetuity.

Site ID: SEAD-006-R-01

Site Name: OPEN BURN/OPEN DETONATION GROUNDS

STATUS

Parcel: LRA 4A (365 acres)

Regulatory Driver: CERCLA

Program: BRAC-MMRP

MRSPP Score: Evaluation pending

Contaminants of Concern: Metals, Munitions and explosives of concern (MEC)

Media of Concern: Groundwater, Soil

BRAC Round: BRAC IV

Phases	Start	End
PA.....	200111.....	200206
RI/FS.....	200208.....	201309
IRA.....	201003.....	201309
LTM.....	201309.....	202309

RIP Date: N/A

RC Date: 201309

SITE DESCRIPTION

The Army destroyed ammunition by detonation and OB at this site, which covers 364 acres and was in operation from 1948 through 1998. The OB ground consists of eight U-shaped earthen berms. The OD grounds are to the north of the OB grounds.

The investigation of this site revealed contamination consisting of ordnance and explosives (OE) and heavy metals. This is a RCRA interim permitted site.

This site also encompasses SEAD-023, OB Grounds, where a CERCLA remediation was completed in 2003.

CLEANUP/EXIT STRATEGY

Interim MEC removal will be performed and any residual soil contamination will be addressed. The removal action will be followed by an IC PRAP/ROD. LTM includes GW monitoring (RCRA required), LUCs, five-year reviews, and site closeout documentation.

For cost estimating purposes, the LTM duration as indicated in the phase schedule extends only to the end of the second five-year review; however, LTM is anticipated to continue in perpetuity.

Site ID: SEAD-007-R-01
Site Name: RIFLE GRENADE RANGE

STATUS

Parcel: LRA 5 (88 acres)
Regulatory Driver: CERCLA
Program: BRAC-MMRP
MRSPP Score: Evaluation pending
Contaminants of Concern: Metals, Munitions and explosives of concern (MEC)
Media of Concern: Soil
BRAC Round: BRAC IV

Phases	Start	End
PA.....	200211.....	200306
RI/FS.....	200410.....	201109
IRA.....	200602.....	200809
LTM.....	201110.....	202109

RIP Date: N/A

RC Date: 201109

SITE DESCRIPTION

This 49-acre site was a training range where 40 millimeter (mm) training grenades and 37mm Land Attack Warfare (LAW) sub-caliber training rounds were fired. This site represents an area where MEC was found as a result of records search and site investigations. It was formerly referred to as SEAD-118.

CLEANUP/EXIT STRATEGY

A removal contract has been procured to take the site through RC. Fieldwork has been completed and a completion report has been prepared. A LUC ROD is anticipated to implement ICs. LTM consists of MEC monitoring every two years to maintain LUC.

For cost estimating purposes, the LTM duration as indicated in the phase schedule extends only to the end of the second five-year review; however, LTM is anticipated to continue in perpetuity.

BRAC-MMRP Schedule

Date of BRAC-MMRP Inception: 197905

Projected Phase Completion Milestones

See attached schedule

Projected Record of Decision (ROD)/Decision Document (DD) Approval Dates

Site ID	Site Name	ROD/DD Title	ROD/DD Date
SEAD-002-R-01	EAST EOD RANGES	Munition Destruction Areas	20110930
SEAD-003-R-01	EOD RANGE 1	Munition Destruction Areas	20110930
SEAD-007-R-01	RIFLE GRENADE RANGE	Munition Destruction Areas	20110930
SEAD-002-R-01	EAST EOD RANGES	SEAD-002-R-01 and SEAD-007-R-01	20110915
SEAD-007-R-01	RIFLE GRENADE RANGE	SEAD-002-R-01 and SEAD-007-R-01	20110915
SEAD-006-R-01	OPEN BURN/OPEN DETONATION GROUNDS	RCRA Closure Plan	20170930

Final RA(C) Completion Date: 201305

NPL Deletion Date: TBD

Schedule for Next Five-Year Review: 2011

Estimated Completion Date of BRAC-MMRP at Installation (including LTM phase): 202309

SENECA ARMY DEPOT ACTIVITY BRAC-MMRP Schedule

= phase underway

SITE ID	SITE NAME	PHASE	FY11	FY12	FY13	FY14	FY15	FY16+
SEAD-001-R-01	DEACTIVATION FURNACES	LTM						
SITE ID	SITE NAME	PHASE	FY11	FY12	FY13	FY14	FY15	FY16+
SEAD-002-R-01	EAST EOD RANGES	RI/FS						
		IRA						
		LTM						
SITE ID	SITE NAME	PHASE	FY11	FY12	FY13	FY14	FY15	FY16+
SEAD-003-R-01	EOD RANGE 1	RI/FS						
		RD						
		RA(C)						
		LTM						
SITE ID	SITE NAME	PHASE	FY11	FY12	FY13	FY14	FY15	FY16+
SEAD-006-R-01	OPEN BURN/OPEN DETONATION GROUNDS	RI/FS						
		IRA						
		LTM						
SITE ID	SITE NAME	PHASE	FY11	FY12	FY13	FY14	FY15	FY16+
SEAD-007-R-01	RIFLE GRENADE RANGE	RI/FS						
		LTM						

BRAC-MMRP Costs

Total Funding through FY2004: \$4,324.0 K
 (Includes ER,A funding from FY04 and prior years.)

Prior Funding

FY	Phase	BRAC Round	Site ID	Obligations	FY Total
2005	IRA			\$6,157.0 K	\$6,192.0 K
	LTM			\$35.0 K	
2006	RA(C)		SEAD-006-R-01	\$603.0 K	\$603.0 K
2007	RD		SEAD-001-R-01	\$60.4 K	\$60.4 K
2008	LTM	BRAC IV	SEAD 002-R-01	\$2.0 K	\$4.0 K
			SEAD 007-R-01	\$2.0 K	
2009	LTM	BRAC IV	SEAD-001-R-01	\$7.0 K	\$9.0 K
			SEAD-002-R-01	\$2.0 K	

TOTAL PRIOR FUNDING: \$11,192.4 K

Current Requirements

TOTAL CURRENT REQUIREMENTS \$0 K

Future Requirements - BRAC IV \$2,092.0 K

Total Future Requirements \$2,092.0 K

TOTAL PROGRAM COST: \$13,284.4 K

(Includes ER,A funding from FY04 and prior years.)

Required Cost-to-Complete

BRAC IV

SITE ID	Phase	SITE NAME							Out Yrs	Total
		FY11	FY12	FY13	FY14	FY15	FY16	FY17		
ACTIVITY										
SEAD-001-R-01		DEACTIVATION FURNACES								
	LTM		8	6	6	6	15	80		121
									Site Total	121
SEAD-002-R-01		EAST EOD RANGES								
	RI/FS									
	IRA									
	LTM						28		29	57
									Site Total	57
SEAD-003-R-01		EOD RANGE 1								
	RI/FS									
	RD		54							54
	RA(C)		604							604
	LTM			81			28		29	138
									Site Total	796
SEAD-006-R-01		OPEN BURN/OPEN DETONATION GROUNDS								
	RI/FS	35	37	35	35					142
	IRA									
	LTM	49	1	3	38	180	120	83	445	919
									Site Total	1061
SEAD-007-R-01		RIFLE GRENADE RANGE								
	RI/FS									
	LTM						28		29	57
									Site Total	57
Totals		84	704	125	79	186	219	163	532	2092
									Site Total	2092

Programmed Cost-to-Complete

BRAC IV

SITE ID	Phase	SITE NAME							Out Yrs	Total
		FY11	FY12	FY13	FY14	FY15	FY16	FY17		
ACTIVITY										
SEAD-001-R-01		DEACTIVATION FURNACES								
	LTM	0	8	6	6	6	15	80	0	121
									Site Total	121
SEAD-002-R-01		EAST EOD RANGES								
	RI/FS									
	IRA									
	LTM	0	0	0	0	0	28	0	29	57
									Site Total	57
SEAD-003-R-01		EOD RANGE 1								
	RI/FS									
	RD	0	54	0	0	0	0	0	0	54
	RA(C)	0	604	0	0	0	0	0	0	604
	LTM	0	0	81	0	0	28	0	29	138
									Site Total	796
SEAD-006-R-01		OPEN BURN/OPEN DETONATION GROUNDS								
	RI/FS	84	38	20	0	0	0	0	0	142
	IRA									
	LTM	0	0	18	73	180	120	83	445	919
									Site Total	1061
SEAD-007-R-01		RIFLE GRENADE RANGE								
	RI/FS									
	LTM	0	0	0	0	0	28	0	29	57
									Site Total	57
Totals		84	704	125	79	186	219	163	532	2092
									Site Total	2092

Costs - Combined Requirements Spreadsheet

BRAC IV

PROGRAM	SITE ID	SITE NAME							Out Yrs	Total
ACTIVITY	Phase	FY11	FY12	FY13	FY14	FY15	FY16	FY17		
IR	SEAD-004	MUNITIONS WASHOUT FACILITY LEACH FIELD								
	LTM			82						82
									Site Total	82
IR	SEAD-005	SEWAGE SLUDGE WASTE PILES								
	LTM	51								51
									Site Total	51
IR	SEAD-006	ASH LANDFILL (SEAD-3,6,8,14,15)								
	RA(O)	132	132	132	132	132	132	132	867	1791
									Site Total	1791
IR	SEAD-009	MULT NFA SITES (OLD SCRAP WD PILE)								
	LTM	100	62	62	62	62	100	62	287	797
									Site Total	797
IR	SEAD-012	RADIOACTIVE BURIAL SITES (3)								
	LTM	4	3	4	3	4	3	4	156	181
	RA(C)									
	RI/FS									
									Site Total	181
IR	SEAD-025	FIRE TRAINING AND DEMO PAD								
	LTM	112	83	83	83	84	113	98		656
									Site Total	656
MR	SEAD-001-R-01	DEACTIVATION FURNACES								
	LTM		8	6	6	6	15	80		121
									Site Total	121
MR	SEAD-002-R-01	EAST EOD RANGES								
	IRA									
	LTM						28		29	57
	RI/FS									
									Site Total	57
MR	SEAD-003-R-01	EOD RANGE 1								
	RI/FS									
	RD		54							54
	LTM			81			28		29	138
	RA(C)		604							604
									Site Total	796

Costs - Combined Requirements Spreadsheet

BRAC IV

PROGRAM	SITE ID		SITE NAME							Out Yrs	Total
	Phase	FY11	FY12	FY13	FY14	FY15	FY16	FY17			
ACTIVITY											
MR	SEAD-006-R-01		OPEN BURN/OPEN DETONATION GROUNDS								
	IRA										
	RI/FS	35	37	35	35					142	
	LTM	49	1	3	38	180	120	83	445	919	
									Site Total	1061	
MR	SEAD-007-R-01		RIFLE GRENADE RANGE								
	LTM					28			29	57	
	RI/FS										
									Site Total	57	
	Totals										
		483	984	488	359	468	567	459	1842	5650	
									Site Total	5650	

Costs - Combined Programmed Spreadsheet

BRAC IV

PROGRAM ACTIVITY	SITE ID		SITE NAME						Out Yrs	Total
	Phase	FY11	FY12	FY13	FY14	FY15	FY16	FY17		
IR	SEAD-004		MUNITIONS WASHOUT FACILITY LEACH FIELD							
	LTM	0	0	82	0	0	0	0	0	82
									Site Total	82
IR	SEAD-005		SEWAGE SLUDGE WASTE PILES							
	LTM	51	0	0	0	0	0	0	0	51
									Site Total	51
IR	SEAD-006		ASH LANDFILL (SEAD-3,6,8,14,15)							
	RA(O)	132	132	132	132	132	132	132	867	1791
									Site Total	1791
IR	SEAD-009		MULT NFA SITES (OLD SCRAP WD PILE)							
	LTM	100	62	62	62	62	100	62	287	797
									Site Total	797
IR	SEAD-012		RADIOACTIVE BURIAL SITES (3)							
	LTM	4	3	4	3	4	3	4	156	181
									Site Total	181
IR	SEAD-025		FIRE TRAINING AND DEMO PAD							
	LTM	112	83	83	83	84	113	98	0	656
									Site Total	656
MR	SEAD-001-R-01		DEACTIVATION FURNACES							
	LTM	0	8	6	6	6	15	80	0	121
									Site Total	121
MR	SEAD-002-R-01		EAST EOD RANGES							
	LTM	0	0	0	0	0	28	0	29	57
									Site Total	57
MR	SEAD-003-R-01		EOD RANGE 1							
	RD	0	54	0	0	0	0	0	0	54
	RA(C)	0	604	0	0	0	0	0	0	604
	LTM	0	0	81	0	0	28	0	29	138
									Site Total	796
MR	SEAD-006-R-01		OPEN BURN/OPEN DETONATION GROUNDS							
	RI/FS	84	38	20	0	0	0	0	0	142
	LTM	0	0	18	73	180	120	83	445	919
									Site Total	1061
MR	SEAD-007-R-01		RIFLE GRENADE RANGE							
	LTM	0	0	0	0	0	28	0	29	57
									Site Total	57

Costs - Combined Programmed Spreadsheet

BRAC IV

PROGRAM ACTIVITY	SITE ID Phase	SITE NAME					Out Yrs	Total		
		FY11	FY12	FY13	FY14	FY15			FY16	FY17
	Totals	483	984	488	359	468	567	459	1842	5650
									Site Total	5650

Community Involvement

Technical Review Committee (TRC): None
Community Involvement Plan (Date Published): 199210

Restoration Advisory Board (RAB): RAB established 1996

RAB Adjournment Date:
RAB Adjournment Reason:

Additional Community Involvement Information

RAB meetings are held quarterly. Required public meetings are held as needed.

Administrative Record is located at

Seneca Army Depot Activity
Building 123
5786 State Route 96
Romulus, NY 14541-0009

Information Repository is located at

Seneca Army Depot Activity
Building 123
5786 State Route 96
Romulus, NY 14541-0009

Current Technical Assistance for Public Participation (TAPP): N/A

TAPP Title: N/A

Potential TAPP: N/A