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FY2008

SENECA ARMY DEPOT ACTIVITY

**Base Realignment & Closure
Installation Action Plan**

Printed 13 November 2008



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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 multi-year 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 necessary remedial actions (RA).

In an effort to coordinate planning information between the restoration manager, the US Army Environmental Command (USAEC), Seneca Army Depot, BRAC Division, executing agencies, regulatory agencies, 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. All future phase dates are based on funding requirements and not programming and are subject to change when programming occurs.

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

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Seneca Army Depot
USACE, New York District
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**See AEDB-R for Approval and Submittal of Data by
Installation**

**See AEDB-R for Approval and Submittal of Data by
Program Manager**

Acronyms

AMS	Army Management Structure
AOC	Area of concern
ARAR	Applicable or Relevant and Appropriate Requirement
AWQS	Ambient Water Quality Standard
BEC	BRAC environmental coordinator
BIAP	BRAC Installation Action Plan
BRAC	Base Realignment and Closure
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
DRMO	Defense Reutilization and Marketing Office
EECA	Engineering Evaluation/Cost Analysis
ESI	Expanded Site Investigation
FFA	Federal facility agreement
FS	Feasibility Study
FSS	Final Status Survey
FTA	Fire training area
IAG	Interagency Agreement
IC	Institutional controls
IRA	Interim removal action
IRFNA	Inhibited Red Fuming Nitric Acid
LF	Landfill
LTA	Local Training Area
LTM	Long-term management
LUC	Land Use Control
MCL	Maximum contaminant level
MEC	Munitions and explosives of concern
NCFL	Non Combustible Fill Landfill
NFA	No Further Action
NPL	National Priorities List
NRC	Nuclear Regulatory Commission
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
OB	Open Burn
OD	Open Detonation
OE	Ordnance and Explosives
OU	Operable Unit
PAH	Polycyclic Aromatic Hydrocarbons
PBC	Performance-based Contract
PRAP	Proposed Remedial Action Plan
RA	Remedial action
RA(C)	Remedial Action - Construction
RA(O)	Remedial Action - Operations
RAB	Restoration Advisory Board
RC	Response Complete
RCRA	Resource Conservation and Recovery Act

Acronyms

RD	Remedial design
RI	Remedial investigation
ROD	Record of Decision
SEAD	Seneca Army Depot, in AEDB-R
SEDA	Seneca Army Depot
SRI	Supplemental Remedial Investigation
SVOC	Semi Volatile Organic Compound
SWMU	Solid Waste Management Unit
TAPP	Technical Assistance for Public Participation
TBD	To Be Determined
TCE	Trichloroethene
TCRA	Time critical removal action
TRC	Technical Review Committee
USACE	US Army Corps of Engineers
USACHPPM	US Army Center for Health Promotion and Preventive Medicine
USAEC	US Army Environmental Command
USAESC,H	United States Army Engineering Support Center, Huntsville
USEPA	US Environmental Protection Agency
UST	Underground Storage Tank
UXO	Unexploded ordnance
VOC	Volatile Organic Compound

Installation Information

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

The Seneca Army Depot Activity (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 Highway 96 to the east, New York State Highway 96A to the west, and sparsely populated farmland to the north and south.

List of Off-Post Properties

N/A

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:	140.00	0.00
Acres in Category 5:	801.00	611.70
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

USACE

Regulator Participation

Federal USEPA, Region II

State 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
airfield	14-FEB-2002	50	

Significant Base Tenants

SCIDA

USACE

Projected Date of Final Transfer of Property: 201209

National Priorities List (NPL) Status

A score of 37.3 was recorded on 199008.

Final RA(C) Completion Date: 201112

Date for NPL Deletion:

BRAC-IRP N/A

BRAC-MMRP N/A

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

RAB established 1996

Installation Program Summaries

BRAC-IRP

Primary Contaminants of Concern: Metals, Nitrate/Nitrite, Radionuclides, Semi-volatiles, Volatiles

Affected Media of Concern: Groundwater, Soil, Surface Water

Estimated Date for Remedy-In-Place (RIP)/Response Complete (RC): 201006/202709

Prior Funding (Includes ER,A funding from FY04 and prior years.): \$89,315.8 K

Current Requirements: \$559.0 K

Future Requirements: \$10,363.0 K

BRAC-MMRP

Primary Contaminants of Concern: Metals, Munitions and explosives of concern, Munitions constituents, Semi-volatiles

Affected Media of Concern: Groundwater, Soil

Estimated Date for Remedy-In-Place (RIP)/Response Complete (RC): 201709/201709

Prior Funding (Includes ER,A funding from FY04 and prior years.): \$11,179.4 K

Current Requirements: \$4.0 K

Future Requirements: \$22,800.0 K

Previous Studies

	Title	Author	Date
1994	Expanded Site Inspection Seven High Priority Solid Waste Management Units (SWMUs) - SEADs 4, 16, 17, 24, 25, 26 and 45	Parsons	APR-1994
	Final Action Memorandum/Ash Landfill Removal Action		MAY-1994
	SWMU Classification Report	Engineering Science	SEP-1994
1995	Prove-Out Event Report (Ash Landfill)	Parsons	JAN-1995
	Mid-Project Data Report (Ash Landfill)	Parsons	FEB-1995
	Endangered Species Survey	US Fish and Wildlife Service/Universities Cornell and Syracuse	FEB-1995
	Expanded Site Inspection Seven High Priority SWMUs - SEADs 4, 16, 17, 24, 25, 26 and 45	Parsons	MAY-1995
	Process Evaluation Report of Deactivation Furnace	Parsons	JUL-1995
	Section C - Technical Specifications- Removal Action at 3 SWMUs for Metal and Semi-volatile Organics (SEADs 24, 50/54, 67): October	Parsons	OCT-1995
	Wetlands Survey	Seneca Army Depot Activity	DEC-1995
	Ash Landfill Immediate Response	Parsons	DEC-1995
	Expanded Site Inspection Three Moderate Priority SWMUs - SEADs 11, 13, and 57	Parsons	DEC-1995
	1996	Feasibility Study Report at the Open Burning Grounds	Parsons
Feasibility Study Report at Ash Landfill Site, Volume I and II		Parsons	DEC-1996
1997	Groundwater Modeling in Support of the Funnel and Gate Design at the Ash Landfill	Parsons	JAN-1997
	Environmental Baseline Survey Report	Parsons	MAR-1997
1998	SEAD-13 Project Scoping Plan for Performing a CERCLA Remedial Investigation/Feasibility Study (RI/FS) at the Inhibited Red Fuming Nitric Acid Disposal Pits	Parsons	SEP-1997
	SEAD-11, SEAD-64A, SEAD-64D Project Scoping Plan for Performing a CERCLA RI/FS at the Construction Debris Landfill (SEAD 11), Garbage Disposal Areas (SEAD 64A and 64D)	Parsons	SEP-1997
	Groundwater Modeling in Support of the Funnel and Gate Design at the Ash Landfill	Parsons	JAN-1998
	Cost Estimate Open Burning Ground Remediation Program	Parsons	APR-1998
	Remedial Investigation Report at the Fire Training and Demonstration Pad (SEAD-25) and the Fire Training Pit and Area (SEAD-26)	Parsons	MAY-1998
	SEAD-12 and SEAD-63, Project Scoping Plan for Performing a CERCLA RI/FS at Building 804 and the Associated Radioactive Waste Burial Sites (SEAD-12), and the Miscellaneous Components Burial Site (SEAD-63)	Parsons	JUN-1998
	Section C Technical Specifications Soil and Sediment Remediation at the Open Burning (OB) Grounds	Parsons	AUG-1998
	Engineering Evaluation/Cost Analysis (EE/CA) Approval Memorandum Miscellaneous Components Burial Site (SEAD-63)	Parsons	OCT-1998
	Work Plan Treatability Study at the Incinerator Ash Landfill	Parsons	NOV-1998
	Final Record of Decision OB Grounds	Parsons	DEC-1998

Previous Studies

	Title	Author	Date
1998	EE/CA Approval Memorandum Construction Debris Landfill (SEAD-11) and Garbage Disposal Areas (SEAD-64A and SEAD-64D)	Parsons	DEC-1998
1999	Technical Specifications for Removal Actions at SWMUs SEAD-24, SEAD-50, SEAD-54 and SEAD-67	Parsons	FEB-1999
	Technical Specifications for Removal Actions at SWMUs SEAD-24, SEAD-50, SEAD-54 and SEAD-67	Parsons	MAR-1999
2000	Technical Specifications for Removal Actions at SWMUs SEAD-38, SEAD-39, SEAD-40, SEAD-41 and SEAD-60	Parsons	MAR-1999
	Final Investigation of Environmental Baseline Survey Non-Evaluated Sites, SEAD-199A, SEAD-122 (A, B, C, D, E), and SEAD-123 (A, B, C, D, E, F), SEAD-46, SEAD-68 and SEAD-120 (A, B, C, D, E, F, G, H, I, J), SEAD-121 (A, B, C, D, E, F, G, H, I), Seneca Army Depot Activity	Parsons	MAY-1999
	Derived Concentration Guideline Level Development for Radiological Surveys in Class 1 Buildings at SEAD-12, Seneca Army Depot Activity, Romulus, NY	Parsons	JAN-2000
	Ordnance Explosives (OE) Final Ordnance and Explosives Engineering Evaluation/Cost Analysis	Parsons	MAY-2000
2001	Feasibility Study at the Abandoned Deactivation Furnace (SEAD-16) and the Active Deactivation Furnace (SEAD-17) (Final)	Parsons	SEP-2000
	SEAD-4 Remedial Investigation Report at the Munitions Washout Facility (SEAD-4), (FINAL)	Parsons	JAN-2001
	Data from the Additional Sampling Program Conducted at the Old Construction Debris Landfill (SEAD-11) at SEDA	Parsons	APR-2001
	Data from the Additional Sampling Program Conducted at the Old Construction Debris Landfill (SEAD-11) at SEDA Superfund PRAP for The Ash Landfill	Parsons	APR-2001
	Feasibility Study at the Abandoned Deactivation Furnace (SEAD-16) and the Active Deactivation Furnace (SEAD-17) (Revised Final)	Parsons	JUN-2001
	Action Memorandum for the Miscellaneous Components Burial Site (SEAD-63) (Final)	Parsons	JUL-2001
	Memorandum Cost Curves for SEAD 4 and SEAD-59	Parsons	OCT-2001
2002	Phase I Remedial Investigation (RI) at the Fill Area West of Building 135 (SEAD-59), and the Alleged Paint Disposal Area (SEAD-71), Seneca Arm Depot Activity (FINAL)	Parsons	OCT-2001
	Phase I Remedial Investigation (RI) at the Fill Area West of Building 135 (SEAD-59), and the Alleged Paint Disposal Area (SEAD-71), Seneca Arm Depot Activity (FINAL)	Parsons	NOV-2001
	Remedial Investigation Report at the Radiological Waste Burial Sites (SEAD-12) Volumes I, II and III (Final Revised)	Parsons	FEB-2002
	Decision Document Mini Risk Assessment (SEAD 9, 27, 28, 32, 33, 34, 43, 44A, 44B, 52, 56, 58, 62, 64A, 64B, 64C, 64D, 66, 68, 69, 72, and 120B,) (FINAL): May	Parsons	JUL-2002
	Proposed Remedial Action Plan at the Fire Training and Demonstration Pad (SEAD-25) and the Fire Training Pit and Area (SEAD-26), (Final)	Parsons	JUL-2002
2003	Phase I Remedial Investigation (RI) at the Fill Area West of Building 135 (SEAD-59), and the Alleged Paint Disposal Area (SEAD-71), Seneca Arm Depot Activity (Revised Final)	Parsons	JUL-2002
	Final Removal Report SEAD-59 & -71, Time Critical Removal Action: January	Parsons	JAN-2003
	Radiological Survey Report - SEAD-12 Phase I and II Surveys	Parsons	MAR-2003
	Final Action Memorandum for Removal Action at SWMU SEAD-11, Seneca Army Depot Activity	Parsons	APR-2003
	Superfund Proposed Plan for the Abandoned Deactivation	Parsons	APR-2003

Previous Studies

Year	Title	Author	Date	
2003	Fumace (SEAD-16) and Active Deactivation Fumace (SEAD-17)			
	Final Action Memorandum for Removal Action at SWMU SEAD-11, Seneca Army Depot Activity	Parsons	APR-2003	
	Revised Final Action Memorandum for Removal Action at SWMU SEAD-11, Seneca Army Depot Activity	Parsons	JUN-2003	
	Decision Document Mini Risk Assessment SEAD-13 Inhibited Red Fuming Nitric Acid (IRFNA) Disposal Site	Parsons	JUL-2003	
	Record of Decision (ROD) The Fire Training and Demonstration Pad (SEAD-25) and the Fire Training Pit and Area (SEAD-26) (Final)	Parsons	JUL-2003	
	Final OE Removal Report, Unexploded Ordnance (UXO) and Soil Remediation, Open Burning Grounds	Parsons	AUG-2003	
	ROD Twenty No Action SWMUs (SEAD- 7, 9, 10, 18, 19, 20, 21, 22, 33, 35, 36, 37, 42, 47, 49, 51, 53, 55, 60, 61, 65 and 68) and Eight No Further Parsons: Action SWMUs (SEADs 28, 29, 30, 31, 32, 34, 60 and 61)	Parsons	SEP-2003	
	UXO and Sediment Remediation Open Burning Grounds, Seneca Army Depot Activity, Romulus, NY Final OE Removal Report	Parsons	NOV-2003	
	2004	Time Critical Removal Action Metal Sites - SEAD 67	Weston	JAN-2004
		Non-Time Critical Removal Action Miscellaneous Components Burial Site Workplan (SEAD-63) (Final), CD	Parsons	MAR-2004
Revised Final Action Memorandum for Removal Action at SWMU SEAD-11, Seneca Army Depot Activity, CD		Parsons	JUN-2004	
NRC License Termination Report, Seneca Army Depot Activity		Parsons	JUN-2004	
Signed Final ROD for Sites Requiring Institutional Controls in the Planned Industrial/Office Development or Warehousing Areas, Seneca Army Depot Activity		Parsons	JUN-2004	
ROD for the Ash Landfill & Appendix E, signed Final, CD		Parsons	JUL-2004	
Decision Document Mini Risk Assessment SEAD-13 IRFNA Disposal Site		Parsons	JUL-2004	
ROD The Fire Training and Demonstration Pad (SEAD-25) and the Fire Training Pit and Area (SEAD-26) and Appendix E, (Final): July,		Parsons	JUL-2004	
ROD for the Abandoned Deactivation Fumace, CD		Parsons	NOV-2004	
Proposed Plan No Further Action SWMUs (SEAD 50/54) (FINAL, Revised), Seneca Army Depot Activity		Parsons	DEC-2004	
2005	ROD for No Further Action SWMU's (SEAD 50/54 at Seneca Army Depot Activity	Parsons	DEC-2004	
	Final Completion Removal Report, Time Critical Removal Action Metal	Parsons	FEB-2005	
	Final Site-Specific Project Report, SEAD 45/115 Open Detonation Grounds, Ordnance and Explosives Removal, Phase I Geophysical Survey and Cost Estimate, CD	Parsons	MAR-2005	
	Final Feasibility Study Munitions Washout Facility SEAD 4	Parsons	MAR-2005	
	EE/CA Action Memorandum Explosive Ordnance Division (EOD) Areas # 2 and #3, et al	Parsons	MAY-2005	
	Time-Critical Removal Action VOC Sites-SEADs 39 & 40, Final Completion Removal Report	Parsons	MAY-2005	
	Final ROD for No Further Action SWMU's (SEAD 50/54) at Seneca Army Depot Activity, Distributed, Final Signature, CD	Parsons	MAY-2005	
	Resource Conservation and Recovery Act (RCRA) Closure	Parsons	OCT-2005	

Previous Studies

	Title	Author	Date
2005	Plan, Building 803-Mixed Waste Storage Facility Solid Waste Management Unit -SEAD-72 (Final), CD		
	Non-Time Critical Removal Action Miscellaneous Components Burial Site Completion Report Vols. I, II, III (SEAD-63) (Final), CD	Parsons	NOV-2005
2006	Draft Construction Completion Report for the Fire Training and Demonstration SEAD-25) and the Fire Training Pit and Area (SEAD-26)	Parsons	FEB-2006
	Final Completion Removal Report Industrial Waste Site (Sludge Piles) , SEAD-5	Parsons	FEB-2006
	Supplemental Remedial Investigation at the Radioactive Waste Burial Sites (SEAD-12)	Parsons	FEB-2006
	Technical Memorandum, Draft Evaluation Report for the Mulch Biowalls at the Ash Landfill Site, Seneca Army Depot Activity	Parsons	MAR-2006
	Final Completion Removal Report, SEAD Time Critical Removal Action Metal Sites - SEAD-24	Weston	MAR-2006
	E0800 Row Pitchblende Ore Storage Igloos (SEAD-48)	Parsons	MAR-2006
	Final Status Survey and Appendices A-T		
	Final, Remedial Investigation Report, Two EBS Sites in the Planned Industrial Development Area, (SEAD-121C and SEAD 121I)	Parsons	APR-2006
	Phase II Remedial Investigation (RI) at the Fill Area West of Building 135 (SEAD-59), and the Alleged Paint Disposal Area (SEAD-71), Vols I & II, Seneca Army Depot Activity , Draft-Final	Parsons	APR-2006
	Explosives Safety Submission for Munitions Response, Seneca Army Depot Activity, Revised	Parsons	APR-2006
	Draft-Final Proposed Plan No Action/No Further Action SWMUs (SEAD 58, and 63), Seneca Army Depot Activity	Parsons	JUL-2006
	Draft-Final Construction Completion Report for the Fire Training and Demonstration (SEAD-25) and the Fire Training Pit and Area (SEAD-26)	Parsons	JUL-2006
	Submittal of Draft Record of Decision for No Action/No Further Parsons SWMUs SEAD-58 and SEAD-63	Parsons	JUL-2006
	Draft-Final Proposed Plan For Seventeen SWMUs Requiring Institutional Controls SEADs 13, 39, 40, 41, 43/56/69, 44A, 44B, 52, 62, 64B, 64C, 64D, 67, 122B, 122E Seneca Army Depot Activity	Parsons	AUG-2006
	Draft Interim Removal Action at Old Construction Debris Landfill (SEAD-11),	Parsons	AUG-2006
	Final Remedial Design Report for the Ash Landfill Operable Unit Seneca Army Depot Activity	Parsons	AUG-2006
	Draft Record of Decision (ROD) for Seventeen SWMUs Requiring Institutional Controls SEADs - 13, 39, 40 , 41, 43/56/69. 44A, 44B, 52, 62, 64B, 64C, 64D, 67, 122B, 122E	Parsons	AUG-2006
	Revised Final Remedial Design Report for the Ash Landfill Operable Unit	Parsons	SEP-2006
	Record of Decision (ROD) for the Abandoned Deactivation Furnace (SEAD-16) and the Active Deactivation Furnace (SEAD-17), Final-signed (September 29, 2006)	Parsons	OCT-2006
	Final Record of Decision for No Action / No Further Action SWMUs (SEAD-58) and (SEAD-63), Signed version (9/29/06)	Parsons	OCT-2006
	Final Interim Removal Action at Old Construction Debris Landfill (SEAD-11), Seneca Army Depot Activity PBC II	Parsons	OCT-2006
	Supplemental Remedial Investigation at the Radioactive	Parsons	OCT-2006

Previous Studies

Year	Title	Author	Date
2006	Waste Burial Sites (SEAD-12) (Final)		
	Soil and Sediment Remediation Open Burning Grounds, Seneca Army Depot Activity, Romulus, NY Addendum No. 1, Completion Report	Weston	NOV-2006
	Final Construction Completion Report for the Fire Training and Demonstration (SEAD-25) and the Fire Training Pit and Area (SEAD-26)	Parsons	NOV-2006
	Draft Final Record of Decision (ROD) for Seventeen SWMUs Requiring Institutional Controls SEADs-13, 39, 40, 41, 43/56/69, 44A, 44B, 52, 62, 64B, 64C, 64D, 67, 122B, 122E	Parsons	DEC-2006
2007	Draft Proposed Plan Two Areas of Concern Requiring Land Use Controls SWMUs SEAD 121C and SEAD 121I, CD Seneca Army Depot Activity	Parsons	JAN-2007
	Final Long Term Monitoring Plan for the Open Burning (OB) Grounds, Seneca Army Depot Activity, CD	Parsons	JAN-2007
	Draft Construction Completion Report for the Ash Landfill Operable Unit, Seneca Army Depot Activity,	Parsons	JAN-2007
	Draft Annual Report for the Fire Training and Demonstration Pad (SEAD-25)	Parsons	FEB-2007
	Draft Proposed Plan for the Munitions Washout Facility (SEAD-4) and the Building 2079 Boiler Blowdown Pit (SEAD-38), Seneca Army Depot Activity	Parsons	FEB-2007
	Draft Proposed Plan for the Fill Area West of Building 135 (SEAD-59) and the Alleged	Parsons	MAR-2007
	Draft Proposed Plan for Five Former SWMUs – SEAD 1, 2, 5, 24 & 48	Parsons	MAR-2007
	Draft Final Feasibility Study Report for the Radiological Waste Burial Sites (SEAD-12)	Parsons	MAR-2007
	Draft Construction Completion Report for the Old Construction Debris Landfill (SEAD-11)	Parsons	MAR-2007
	Final Record of Decision for Seventeen SWMUs Requiring Land Use Controls (SEADs 13, 39, 40, 41, 43/56/69, 44A, 44B, 52, 62, 64B, 64C, 64D, 67, 122B, and 122E)	Parsons	MAR-2007
	Draft Remedial Design Work Plan and Design Report, (SEADs 16 & 17)	Parsons	APR-2007
	Completion Report for Munitions Response SEAD 002-R-01 SEAD 57,	Parsons	APR-2007
	Draft Final Proposed Plan, Two Areas of Concern Requiring Land Use Controls SWMUs SEAD 121C, the Defense Reutilization and Marketing Office Yard and SEAD-121I, the Rumored Cosmoline Oil Disposal Area	Parsons	APR-2007
	Draft Completion Report, Munitions Response and CERCLA Closure SEAD 57, SEAD 002-R-01 and SEAD 07-R-01	Parsons	MAY-2007
	Draft Final Proposed Plan for the Fill Area West of Building 135 (SEAD-59) and the Alleged Paint Disposal Area (SEAD-71)	Parsons	JUN-2007
	Draft Final Remedial Design Work Plan and Design Report SEAD 16 and SEAD 17	Parsons	JUN-2007
	Draft Final Proposed Plan for SEAD 4 and SEAD 38	Parsons	JUN-2007
Draft Final Proposed Plan for 5 former SWMUs –SEAD-1,2,5,24 &48	Parsons	JUN-2007	
Final SIGNED ROD for 17 Sites	Parsons	JUL-2007	
Final Remedial Design Work Plan and Design Report SEAD 16 and SEAD 17	Parsons	JUL-2007	

Previous Studies

2007

Title	Author	Date
Draft ROD for (SEAD 121C) and SEAD 121I	Parsons	AUG-2007
Draft ROD for SEAD 4 and Bldg 2079	Parsons	AUG-2007
Draft ROD SEAD 121c and 121I and Appendices Vols I & II	Parsons	SEP-2007
Revised Draft Final Proposed Plan for Five Former SWMUs- SEAD 1,2,5,24&48	Parsons	NOV-2007
Revised Draft Final Proposed Plan SEAD-2 121C and 121I	Parsons	NOV-2007
Draft Work Plan, Sampling & Analysis for Evidence of Biogeochemical Reduction of	Parsons	NOV-2007
Draft Construction Completion Report for the Defense Reutilization and Marketing Office Yard (SEAD-121c)	Parsons	DEC-2007
Draft Construction Completion Report for the Abandoned Deactivation Furnace (SEAD 16) and the Active Deactivation Furnace (SEAD 17)	Parsons	DEC-2007

Cleanup Program Summary

Installation Historic Activity

Since its inception in 1941, SEDA's primary mission was the receipt, storage, maintenance, and supply of military items. In July 1989 SEDA was proposed for the National Priorities List (NPL). In August 1990, SEDA was finalized and listed under Group 14 on the Federal Section of the NPL. To facilitate resolution of contamination issues at SEDA, the USEPA, the NYSDEC, and the Army entered into a Federal Facilities Agreement (FFA), also known as the Interagency Agreement (IAG). This agreement stated that future investigations would be based on Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) guidelines, and that the Resource Conservation and Recovery Act (RCRA) was considered an Applicable or Relevant and Appropriate Requirement (ARAR) pursuant to Section 121 of CERCLA. In October 1995, SEDA was designated as a facility to be closed under the provisions of the BRAC process.

Installation Program Cleanup Progress

BRAC-IRP

Prior Year Progress: RA(O) was in progress at the Ash Landfill (LF) and fire training area (FTA) sites. A Record of Decision (ROD) was started for the following sites: Sludge Piles, Construction Debris LF, Radiation Burial, Paint Disposal Areas, Metals Sites, Ore Igloos and Defense Reutilization and Marketing Office (DRMO). Interim remedial measures were completed at the Debris LF and DRMO site.

Future Plan of Action: An RD/RA will be completed at Munitions Washout, followed by LTM. Sites that receive NFA approval will be closed out. RA(O) will continue at the Ash LF and FTA sites.

BRAC-MMRP

Prior Year Progress: IRAs are in progress at two sites. LTM is in progress at one site. Two sites are at the end of the RI/FS phase, with RODs being drafted.

Future Plan of Action: LTM will continue at SEAD-001-R-01. RODs will be submitted for SEAD-002-R-01, -003-R-01, and -007-R-01. RI/FS will continue at SEAD-006-R-01.

Transfer Summary

BRAC IV

Installation Size (Acreage): 10,687.00

BRAC Acreage: 10,687.00

Completed FOSTs

FOST Name	Status	Date Signed	Acres	Sites
CONSERVATION	Complete With Transfer	20030930	6981	SEAD-004-R-01, SEAD-005-R-01, SEAD-009-R-01, SEAD-019, SEAD-051, SEAD-053, SEAD-058, SEAD-120
PID/WAREHOUSE	Complete With Transfer	20030711	967	SEAD-009, SEAD-010, SEAD-020, SEAD-022, SEAD-027, SEAD-028, SEAD-030, SEAD-031, SEAD-033, SEAD-034, SEAD-036, SEAD-037, SEAD-047, SEAD-049, SEAD-050, SEAD-054, SEAD-055, SEAD-066, SEAD-114, SEAD-64A
Airfield	Complete No Transfer	20050822	502	SEAD-122
NORTH DEPOT	Complete With Transfer	20000127	173	SEAD-007, SEAD-018, SEAD-021, SEAD-029, SEAD-032, SEAD-035, SEAD-041, SEAD-061, SEAD-123
PRISON	Complete With Transfer	20000829	689	SEAD-043, SEAD-044, SEAD-052, SEAD-056, SEAD-060, SEAD-062, SEAD-065, SEAD-068, SEAD-069, SEAD-64C
UTILITIES	Complete With Transfer	20010524	7	
FAMILY HOUSING	Complete With Transfer	19990922	193	SEAD-119
U.S. COAST GUARD	Complete With Transfer	20030130	271	
FOST Amendment 2	Complete No Transfer	20060803	76	SEAD-001, SEAD-002, SEAD-005, SEAD-024, SEAD-025, SEAD-026, SEAD-039, SEAD-040, SEAD-048, SEAD-063, SEAD-067, SEAD-64B, SEAD-64D
FOST Amendment 3	Future	20090730	8	SEAD-011
FOST amendment 4	Future	20090730	49	SEAD-012, SEAD-072
FOST amendment 5	Future	20120730	88	SEAD-003-R-01, SEAD-057, SEAD-070
FOST amendmment 1A	Future	20090930	8	SEAD-059, SEAD-071
FOST amendment 2B	Future	20090930	76	SEAD-004, SEAD-038, SEAD-121
FOST amendment 2A	Future	20090930	14	SEAD-001-R-01, SEAD-017
LRA 4A	Future	20120930	366	SEAD-006-R-01, SEAD-

Transfer Summary

FOST Amendment for LRA1B	Future	20090730	45	045 SEAD-003, SEAD-006, SEAD-008, SEAD-014, SEAD-015
FOST Amendment LRA 3B	Future	20120930	149	SEAD-002-R-01, SEAD- 007-R-01, SEAD-013
Jail Parcel	Complete With Transfer	20031209	25	

Completed FOSETs

FOSET Name	Status	Date Signed	Acres	Sites
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Completed FOSLs

FOSL Name	Status	Date Signed	Acres	Sites
AIRFIELD	Complete With Lease	20010630	501	SEAD-122
PID PHASE II	Complete With Lease	20010630	16.4	

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

Land Use Control (LUC) Summary

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-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 described 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

Summary of Parcel Prioritization and Transfer Strategy

Parcels Identified in AEDB-R

Parcel Name: LRA 1/PID

Parcel Acreage: 21.00

Associated Sites: SEAD-005, SEAD-024, SEAD-025

Transfer Date/Expected Transfer Date: 20070930

Current Land Use: Industrial

Future Land Use: Industrial

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Economic Development Conveyance (EDC)

Recipient Organization: Seneca County Industrial Development Agency

Other Issues Affecting Transfer: Regulatory review process

Parcel Name: LRA 1A

Parcel Acreage: 8.00

Associated Sites: N/A

Transfer Date/Expected Transfer Date: 20080930

Current Land Use: Industrial

Future Land Use: Industrial

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Economic Development Conveyance (EDC)

Recipient Organization: Seneca County Industrial Development Agency

Other Issues Affecting Transfer: N/A

Parcel Name: LRA 1B

Parcel Acreage: 45.24

Associated Sites: SEAD-006

Transfer Date/Expected Transfer Date: 20090930

Current Land Use: N/A

Future Land Use: N/A

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Economic Development Conveyance (EDC)

Recipient Organization: Seneca County Industrial Development Agency

Other Issues Affecting Transfer: N/A

Parcel Summary

Parcel Name: LRA 2
Parcel Acreage: 1.00
Associated Sites: N/A
Transfer Date/Expected Transfer Date: 20070930
Current Land Use: Industrial
Future Land Use: Other()
Encumbrances: N/A
Leases/Permits/Licenses: N/A
Transfer Strategy: Economic Development Conveyance (EDC)
Recipient Organization: Seneca County Industrial Development Agency
Other Issues Affecting Transfer: N/A

Parcel Name: LRA 2A
Parcel Acreage: 14.00
Associated Sites: SEAD-001-R-01
Transfer Date/Expected Transfer Date: 20090930
Current Land Use: Industrial
Future Land Use: Industrial
Encumbrances: N/A
Leases/Permits/Licenses: N/A
Transfer Strategy: Economic Development Conveyance (EDC)
Recipient Organization: Seneca County Industrial Development Agency
Other Issues Affecting Transfer: N/A

Parcel Name: LRA 2B
Parcel Acreage: 76.00
Associated Sites: SEAD-004, SEAD-121
Transfer Date/Expected Transfer Date: 20090930
Current Land Use: Industrial
Future Land Use: Industrial
Encumbrances: N/A
Leases/Permits/Licenses: N/A
Transfer Strategy: Economic Development Conveyance (EDC)
Recipient Organization: Seneca County Industrial Development Agency
Other Issues Affecting Transfer: N/A

Parcel Summary

Parcel Name: LRA 3

Parcel Acreage: 7.75

Associated Sites: SEAD-011

Transfer Date/Expected Transfer Date: 20090930

Current Land Use: Industrial

Future Land Use: Industrial

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Economic Development Conveyance (EDC)

Recipient Organization: Seneca County Industrial Development Agency

Other Issues Affecting Transfer: N/A

Parcel Name: LRA 3A

Parcel Acreage: 31.00

Associated Sites: SEAD-048

Transfer Date/Expected Transfer Date: 20061031

Current Land Use: Industrial

Future Land Use: Industrial

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Economic Development Conveyance (EDC)

Recipient Organization: N/A

Other Issues Affecting Transfer: N/A

Parcel Name: LRA 3B

Parcel Acreage: 148.80

Associated Sites: SEAD-002-R-01

Transfer Date/Expected Transfer Date: 20090930

Current Land Use: N/A

Future Land Use: N/A

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Economic Development Conveyance (EDC)

Recipient Organization: SCIDA

Other Issues Affecting Transfer: N/A

Parcel Summary

Parcel Name: LRA 4

Parcel Acreage: 49.00

Associated Sites: SEAD-012

Transfer Date/Expected Transfer Date: 20090930

Current Land Use: Industrial

Future Land Use: Other()

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Economic Development Conveyance (EDC)

Recipient Organization: Seneca County Industrial Development Agency

Other Issues Affecting Transfer: N/A

Parcel Name: LRA 4A

Parcel Acreage: 364.00

Associated Sites: SEAD-006-R-01

Transfer Date/Expected Transfer Date: 20120930

Current Land Use: Industrial

Future Land Use: Recreational

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Economic Development Conveyance (EDC)

Recipient Organization: Seneca County Industrial Development Agency

Other Issues Affecting Transfer: N/A

Parcel Name: LRA 5

Parcel Acreage: 88.00

Associated Sites: SEAD-003-R-01, SEAD-007-R-01

Transfer Date/Expected Transfer Date: 20120930

Current Land Use: Industrial

Future Land Use: Other()

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Economic Development Conveyance (EDC)

Recipient Organization: Seneca County Industrial Development Agency

Other Issues Affecting Transfer: N/A

Parcel Summary

Parcel Name: PID Transfer
Parcel Acreage: 967.00
Associated Sites: SEAD-009
Transfer Date/Expected Transfer Date: 20050930
Current Land Use: Industrial
Future Land Use: Industrial
Encumbrances: N/A
Leases/Permits/Licenses: N/A
Transfer Strategy: Economic Development Conveyance (EDC)
Recipient Organization: Seneca County Industrial Development Agency
Other Issues Affecting Transfer: N/A

Parcel Name: airfield
Parcel Acreage: 502.00
Associated Sites: N/A
Transfer Date/Expected Transfer Date: 20060930
Current Land Use: Industrial
Future Land Use: Industrial
Encumbrances: N/A
Leases/Permits/Licenses: 200202
Transfer Strategy: Economic Development Conveyance (EDC)
Recipient Organization: Seneca County Industrial Development Agency
Other Issues Affecting Transfer: N/A



SENECA ARMY DEPOT ACTIVITY

Base Realignment and Closure Installation Restoration Program

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BRAC-IRP Summary

Total BRAC-IRP Funding

Prior Funding (Includes ER,A funding from FY04 and prior years.):	\$89,315.8 K
Current Requirements:	\$559.0 K
Future Requirements:	\$10,363.0 K

Duration of BRAC-IRP

Date of BRAC-IRP Inception:	197901
Estimated Date for Remedy-In-Place (RIP)/Response Complete (RC):	201006/202709
Date of BRAC-IRP completion including Long Term Management (LTM):	205201

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

BRAC-IRP Contamination Assessment

Contamination Assessment Overview

Seneca Army Depot Activity 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 includes groundwater, surface water, sediment, and soil.

Previous investigations completed in 1993 identified 72 solid waste management units (SWMU). The Environmental Baseline Study completed in 1996 added two additional sites that were identified as AOCs. Twenty-two operable units (OU) 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 fire training areas. The final remedy is expected to be in place September 2013, subject to funding availability. Long-term management (LTM) is expected to last for 30 years. Institutional controls (IC) restricting certain types of development will last indefinitely.

Cleanup Exit Strategy

Seneca is a BRAC Closure 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 parcel is scheduled to be transferred in 2012.

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SENECA ARMY DEPOT ACTIVITY

Installation Restoration Program

Site Descriptions

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Site ID: SEAD-005
Site Name: SEWAGE SLUDGE WASTE PILES
Alias: SEAD-005

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
R/FS.....	200106.....	200909
IRA.....	200106.....	200605
LTM.....	200909.....	203709

RIP Date: N/A

RC Date: 200909

SITE DESCRIPTION

This site is a result of the storage of domestic sewage sludge from the drying beds at Sewage Treatment Plants (STP) No. 4 and No. 715. The storage area typically covered an area roughly 220 feet by 110 feet and was in use beginning in the 1980s.

Investigation results have revealed that the sludge material contains elevated levels of heavy metals. An Interim Removal Action (IRA) is complete. A Proposed Remedial Action Plan (PRAP) and ROD with land use controls (LUC) are being prepared. A no digging restriction will be placed on this site as a result of the excavated soils placed there from SEAD 59.

CLEANUP/EXIT STRATEGY

An NFA Proposed Remedial Action Plan (PRAP) and Record of Decision (ROD) will be prepared. LTM includes site closeout documentation and maintaining land use controls (LUC).

Site ID: SEAD-006
Site Name: ASH LANDFILL (SEAD-3,6,8,14,15)
Alias: SEAD-006

STATUS

Parcel: LRA 1B (45.24 acres)

Regulatory Driver: CERCLA

RRSE: HIGH

Program: BRAC-IRP

Contaminants of Concern: Metals, Volatiles

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
LTM.....	202202.....	205201

RIP Date: 200701

RC Date: 202201

SITE DESCRIPTION

The Ash Landfill Operable Unit (Ash Landfill) occupies approximately 130 acres along the western boundary of SEDA. The Ash Landfill is composed of five Solid Waste Management Units (SWMU) including: Incinerator Cooling Water Pond (SEAD-3), the Ash Landfill (SEAD-6), the Non-Combustible Fill Landfill (NCFL) (SEAD-8), the Refuse Burning Pits (SEAD-14), and the Abandoned Solid Waste Incinerator Building (SEAD-15). Primary contaminants are VOCs, SVOCs (mainly 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 1000-gallon heating oil underground storage tank (UST) and the second, a non-time critical removal action conducted between August 1994 and June 1995, 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 remedial actions 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.

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

The Army Management Structure (AMS) code is 61366R33.

CLEANUP/EXIT STRATEGY

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

The rampdown 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)

Alias: SEAD-009

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

<u>Phases</u>	<u>Start</u>	<u>End</u>
PA.....	197905.....	198001
SI.....	199408.....	199409
RI/FS.....	199907.....	200709
LTM.....	200710.....	203710

RIP Date: N/A

RC Date: 200709

SITE DESCRIPTION

The Old Scrap Wood Site (SEAD-09) is located in the eastern-central portion of the Depot. This SWMU is located in a portion of the Depot where the future land use has been designated as industrial development. All sites associated with SEAD 9 have been consolidated for LUC implementation.

The Army proposed SEAD 9 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 SEAD-07, SEAD-09, SEAD-10, SEAD-18, SEAD-19, SEAD-20, SEAD-21, SEAD-22, SEAD-33, SEAD-35, SEAD-36, SEAD-37, SEAD-42, SEAD-49, SEAD-51, SEAD-53, SEAD-55, SEAD-65, and SEAD-68.

A No Action ROD which includes SEAD-58 was signed in September 2006.

The ROD for Sites Requiring Institutional Controls in the Planned Industrial/Office Development or Warehousing Areas was signed September 28, 2004 and includes SEAD-27, SEAD-66 and SEAD-64A.

The ROD for Seventeen SWMUs Requiring Land Use Controls (SEAD-13, SEAD-39, SEAD-40, SEAD-41, SEAD-43/56/69, SEAD-44A, SEAD-44B, SEAD-52, SEAD-62, SEAD-64B, SEAD-64C, SEAD-64D, SEAD-67, SEAD-122B, and SEAD-122E) was signed on July 3, 2007.

CLEANUP/EXIT STRATEGY

LTM includes maintaining LUCs and preparing site closeout documentation.

Site ID: SEAD-011

Site Name: OLD CONSTRUCTION DEBRIS LANDFILL

Alias: SEAD-011

STATUS

Parcel: LRA 3 (7.75 acres)

Regulatory Driver: CERCLA

RRSE: HIGH

Program: BRAC-IRP

Contaminants of Concern: Metals, Semi-volatiles, Volatiles

Media of Concern: Groundwater, Soil

BRAC Round: BRAC IV

Phases	Start	End
PA.....	198001.....	198803
SI.....	199010.....	199512
RI/FS.....	199503.....	200909
IRA.....	200502.....	200809
LTM.....	200909.....	201210

RIP Date: N/A

RC Date: 200909

SITE DESCRIPTION

SEAD-11 is an abandoned landfill located in the southwestern portion of SEDA covering approximately four acres (590 feet by 300 feet). Soil analytical results showed that acetone, trichloroethene (TCE), and SVOCs were found at concentrations above the screening criteria. The results of the groundwater sampling program at SEAD-11 indicate that aluminum, antimony, iron, manganese, sodium, and thallium were present in individual wells at concentrations above screening criteria.

An Action Memorandum was prepared recommending a non-time critical removal action to address contaminants that have been identified in the soil that represent a potential threat to the environment and neighboring populations. The removal action was originally planned as a time critical removal action; however, since potential reuse of neighboring areas has been slower than originally anticipated, a non-time critical removal action is more appropriate. The presence of drums and other containers and the uncertainty of their contents is justification for a removal action at the site. Field work has been completed. An NFA PRAP and ROD will be processed in FY08.

CLEANUP/EXIT STRATEGY

The Interim Removal Action (IRA) field work has been completed and an NFA Determination is planned for submittal.

LTM includes site closeout documentation.

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

Site ID: SEAD-013
Site Name: IRFNA DISPOSAL SITE (6)
Alias: SEAD-013

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).....	200603.....	200809
RA(O).....	200708.....	202708
RIP Date:	200809	
RC Date:	202709	

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-13-East and SEAD-13-West, located on the eastern and western sides of the south end of the Duck Pond, respectively. SEAD-13-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 groundwater.

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-13-East with nitrate/nitrite-nitrogen concentrations above the New York State (NYS) Ambient Water Quality Standard (AWQS) for groundwater classified as GA. A 2004 Decision Document recommended that remedial action for soil, sediment, and surface water was not required and instituting groundwater use restriction to prevent the ingestion of groundwater is required until contaminant concentrations meet the New York State Department of Environmental Conservation (NYSDEC) Class GA groundwater standards and the USEPA maximum contaminant levels (MCLs). Additional recommendations included annual groundwater monitoring and five-year reviews.

CLEANUP/EXIT STRATEGY

The RI/FS will be followed by submission of an IC PRAP/ROD. RA(O) will be required for natural attenuation until groundwater cleanup goals are met. 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-024
Site Name: ABANDONED POWDER BURNING PIT
Alias: SEAD-024

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.....	198902.....	199102
SI.....	199106.....	199512
R/FS.....	199903.....	200909
IRA.....	199903.....	200605
LTM.....	200909.....	200910

RIP Date: N/A

RC Date: 200909

SITE DESCRIPTION

SEAD-024 is located in the western portion of SEDA and is a closed 1.2-acre site. This site was used in the late 1940s to early 1950s to burn black powder and propellants. Investigation shows heavy metals contamination in the soil.

This site is combined with SEAD-050, SEAD-54, and SEAD-67 for tracking purposes. SEAD-50/54 is Response Complete (RC).

The AMS Code is 61366R37.

CLEANUP/EXIT STRATEGY

The RI/FS and ROD will be completed in FY09. LTM includes site closeout documentation.

Site ID: SEAD-048
Site Name: PITCHBLEND STORAGE AREAS
Alias: SEAD-048

STATUS

Parcel: LRA 3A (31 acres)

Regulatory Driver: CERCLA

RRSE: LOW

Program: BRAC-IRP

Contaminants of Concern: Radionuclides

Media of Concern: Groundwater, Soil

BRAC Round: BRAC IV

Phases	Start	End
PA.....	198707.....	198709
SI.....	198808.....	199409
RI/FS.....	199503.....	200109
LTM.....	200909.....	200910

RIP Date: N/A

RC Date: 200909

SITE DESCRIPTION

E0800 Row Pitchblende Ore Storage Igloos (SEAD-48) are located in the southern area of SEDA and consist of 11 ammunition storage bunkers (igloos), Igloos E0801 through E0811. A Multi-Agency Radiation Survey and Site Investigation Manual based radiological survey was performed to investigate and evaluate this site with the goal of final site closure and unrestricted release.

During the 1940s pitchblende ore was stored in the igloos for roughly three months. Following this six of the igloos became a storage site for non-radioactive Army munitions until the late 1970s. Two of the igloos were used to store licensed radioactive commodities. Expanded site investigations at SEAD-48 in 1976, 1980, and 1985 indicated that levels of Ra-226, U-234, U-235, and U-238 in the soil potentially presented risks to human health and to the environment.

The USEPA and the NYSDEC approved the Army's plan to further investigate the areas identified in 1993 by the New York State Department of Health (NYSDOH).

Unrestricted access approval is on file from the Nuclear Regulatory Commission (NRC), NYS and the USEPA. An extensive removal occurred during the decommissioning process; however, there is a concern for residuals under current standards.

A Final Status Survey (FSS) has determined that no additional work is required.

CLEANUP/EXIT STRATEGY

The RI/FS process will be followed by an NFA PRAP/ROD expected in FY09. LTM includes site closeout after the ROD is signed.

Site ID: SEAD-059
Site Name: FILL AREA WEST 135
Alias: SEAD-059

STATUS

Parcel: NONE

Regulatory Driver: CERCLA

RRSE: HIGH

Program: BRAC-IRP

Contaminants of Concern: Metals, Semi-volatiles

Media of Concern: Soil

BRAC Round: BRAC IV

Phases	Start	End
PA.....	199008.....	199307
SI.....	199310.....	199409
RI/FS.....	199503.....	200909
IRA.....	200109.....	200304
LTM.....	200909.....	203909

RIP Date: N/A

RC Date: 200909

SITE DESCRIPTION

SEAD 59 is a former fill area of about six acres located west of Building 135 that was used for the disposal of concrete, asphalt, metal, wood, chain link fence, paint cans and 55 gallon drums.

A 2002 Action Memorandum outlined the objectives of the time critical removal action (TCRA) which included the removal of metal debris, paint cans and drums. The TCRA was conducted between September and November 2002.

An RI has been prepared which demonstrates that there is no unacceptable risk from this site for an industrial setting. A no digging restriction will be required for the excavated soil remaining on site and deposited on SEAD 5.

This site allegedly was a paint disposal area located near Buildings 114 and 127 and is roughly two acres in size.

For tracking purposes, SEAD-071 is combined with this site. The AMS Code is 61366R41. Land use controls will become part of SEAD-27 Institutional Controls (IC).

CLEANUP/EXIT STRATEGY

The FS will be followed by an IC PRAP and ROD in FY09. LTM includes site closeout documentation and maintenance of LUCs.

Response Complete (No Further Action) Summary

Site ID	Site Name	NFA Date	Documentation
SEAD-001	BLDG 307- HAZ WASTE STORAGE FACILITY	198707	Sept 29, 2005 - Letter accepting RCRA Closure from the State
SEAD-002	BLDG 301- PCB TRANSFORMER STORAGE AREA	198707	Sept 29, 2005 - Letter accepting RCRA Closure from the State
SEAD-003	INCINERATOR COOLING WATER POND	199410	This site was closed and is currently tracked under-SEAD-006
SEAD-007	SHALE PIT	198707	NFA/NA ROD signed 11/12/03
SEAD-008	NONCOMBUST FILL AREA, PART OF SEAD-006	199410	NFA/NA ROD signed 11/12/03
SEAD-010	PRESENT SCRAP WOOD PILE	198001	NFA/NA ROD signed 11/12/03
SEAD-014	REFUSE BURNING PITS	199410	This site was closed and is currently tracked under-SEAD-006
SEAD-015	ABANDONED SOLID WASTE INCINERATOR	199410	This site was closed and is currently tracked under-SEAD-006
SEAD-018	CLASSIFIED DOCUMENT INCINERATOR (709)	199102	NFA/NA ROD signed 11/12/03
SEAD-019	CLASSIFIED DOCUMENT INCINERATOR (801)	199102	NFA/NA ROD signed 11/12/03
SEAD-020	STP NO 4	198707	NFA/NA ROD signed 11/12/03
SEAD-021	STP NO 715	198707	NFA/NA ROD signed 11/12/03
SEAD-022	STPS NO 314, 715, 4 (SEAD-20,-22)	198001	NFA/NA ROD signed 11/12/03
SEAD-026	FIRE TRAINING PIT	200010	This site was closed and is currently tracked under-SEAD-025
SEAD-027	BLDG 360 STEAM CLEANING WASTE TANK	200509	Record of Decision Sites Requiring Institutional Controls in the Planned Industrial/Office Development or Warehousing Areas
SEAD-028	UST BLDG A,B POL (BLDG 360)	198707	NFA/NA ROD signed 11/12/03
SEAD-029	UST BLDG 732 POL	199210	NFA/NA ROD signed 11/12/03
SEAD-030	UST BUILDING 118 POL	199309	NFA/NA ROD signed 11/12/03
SEAD-031	UST BUILDING 117 POL	198707	NFA/NA ROD signed 11/12/03
SEAD-032	UST BUILDING 718 A,B POL	198707	NFA/NA ROD signed 11/12/03
SEAD-033	UST BUILDING 121 POL	198707	NFA/NA ROD signed 11/12/03
SEAD-034	UST BUILDING 319 A,B POL	198707	NFA/NA ROD signed 11/12/03
SEAD-035	WASTE OIL BOILER, BUILDING 718	198707	NFA/NA ROD signed 11/12/03

Response Complete (No Further Action) Summary

Site ID	Site Name	NFA Date	Documentation
SEAD-036	WASTE OIL BOILER, BUILDING 121	198707	NFA/NA ROD signed 11/12/03
SEAD-037	WASTE OIL BOILER, BUILDING 319	198707	NFA/NA ROD signed 11/12/03
SEAD-038	BOILER PLANT BLOWDOWN PITS BUILDING 2079	200603	This site was closed and is currently tracked under-SEAD-004
SEAD-039	BOILER PLANT BLOWDOWN PITS BUILDING 121	200709	Record of Decision for Seventeen SWMUs Requiring Land Use Controls (SEADs 13, 39, 40, 41, 43/56/69, 44A, 44B, 52, 62, 64B, 64C, 64D, 67, 122B, and 122E)
SEAD-040	BOILER PLANT BLOWDOWN PITS BUILDING 319	198707	This site was closed and is currently tracked under-SEAD-039
SEAD-041	BOILER PLANT BLOWDOWN PITS BUILDING 718	198707	NFA/NA ROD signed 11/12/03
SEAD-042	OLD PREVENTATIVE MEDICINE LABORATORY	199308	NFA/NA ROD signed 11/12/03
SEAD-043	BLDG 606 MISSILE PROP. TEST LAB.	199409	NFA/NA ROD signed 11/12/03
SEAD-047	RAD CALIBRATION SOURCE STOR BLG-321,806	199307	NFA/NA ROD signed 11/12/03
SEAD-049	COLUMBITE ORE STORAGE BLDG 356	198707	NFA/NA ROD signed 11/12/03
SEAD-050	TANK FARM	200509	ROD completed - Sept 28, 2005
SEAD-051	PERIMETER OF HIGH SECURITY AREA	198001	NFA/NA ROD signed 11/12/03
SEAD-052	AMMUNITION BREAKDOWN AREA	199409	ROD is pending, expect signature in Sept 2007
SEAD-053	MUNITIONS STORAGE IGLOOS	198001	NFA/NA ROD signed 11/12/03
SEAD-054	ASBESTOS STORAGE	198707	ROD completed - Sept 28, 2005
SEAD-055	BUILDING 357- TANNIN STORAGE	198707	NFA/NA ROD signed 11/12/03
SEAD-056	HERBICIDE AND PESTICIDE STORAGE	198707	ROD is pending, expect signature in Sept 2007
SEAD-058	DEBRIS AREA NEAR BOOSTER STATION 2131	199512	ROD completed - Sept 28, 2006
SEAD-061	UST WASTE OIL TANK BLDG 718	199401	NFA/NA ROD signed 11/12/03
SEAD-062	NICOTINE SULFATE DISPOSAL AREA	199409	ROD is pending, expect signature in Sept 2007
SEAD-063	MISCELLANEOUS COMPONENTS BURIAL SITE	200604	ROD completed - Sept 28, 2006
SEAD-065	ACID STORAGE AREA	199307	NFA/NA ROD signed 11/12/03
SEAD-066	PESTICIDE STORAGE AREA	200405	This site was closed and is currently tracked under-SEAD-027
SEAD-067	DUMP SITE EAST OF STP #4	200707	ROD is pending, expect signature in Sept 2007

Response Complete (No Further Action) Summary

Site ID	Site Name	NFA Date	Documentation
SEAD-068	PEST CONTROL SHOP	199307	NFA/NA ROD signed 11/12/03
SEAD-069	BLDG 606 DISPOSAL AREA	199409	ROD is pending, expect signature in Sept 2007
SEAD-070	BLDG 2110 FILL AREA	199409	NFA/NA ROD signed 11/12/03
SEAD-071	PAINT DISPOSAL AREA	200102	This site was closed and is currently tracked under-SEAD-059
SEAD-072	BUILDING 803- MIXED WASTE STORAGE	199307	This site was closed and is currently tracked under-SEAD-012
SEAD-119	EBS SITES- HOUSING AREA	200308	Site Investigation Report - Completed in 2004
SEAD-120	EBS SITES- CONSERVATION AREA	199901	Site Investigation Report - Completed in 2004
SEAD-122	EBS SITES- AIRFIELD AREA	200707	ROD is pending, expect signature in Sept 2007
SEAD-123	EBS SITES- INSTITUTIONAL AREA	199901	Site Investigation Report - Completed in 2004
SEAD-64A	GARBAGE DISPOSAL AREA A	200409	This site was closed and is currently tracked under-SEAD-027
SEAD-64B	GARBAGE DISPOSAL AREA B	199409	NFA/NA ROD signed 11/12/03
SEAD-64C	GARBAGE DISPOSAL AREA C	199409	NFA/NA ROD signed 11/12/03
SEAD-64D	GARBAGE DISPOSAL AREA D	199409	NFA/NA ROD signed 11/12/03

BRAC-IRP Schedule

Date of BRAC-IRP Inception: 197901

Past Phase Completion Milestones

1980	
PA	(SEAD-004 - MUNITIONS WASHOUT FACILITY LEACH FIELD, SEAD-008 - NONCOMBUST FILL AREA, PART OF SEAD-006, SEAD-009 - MULT NFA SITES (OLD SCRAP WD PILE) , SEAD-010 - PRESENT SCRAP WOOD PILE, SEAD-012 - RADIOACTIVE BURIAL SITES (3), SEAD-013 - IRFNA DISPOSAL SITE (6), SEAD-022 - STPS NO 314, 715, 4 (SEAD-20,-22), SEAD-051 - PERIMETER OF HIGH SECURITY AREA, SEAD-053 - MUNITIONS STORAGE IGLOOS)
1987	
PA	(SEAD-001 - BLDG 307- HAZ WASTE STORAGE FACILITY, SEAD-002 - BLDG 301- PCB TRANSFORMER STORAGE AREA, SEAD-003 - INCINERATOR COOLING WATER POND, SEAD-006 - ASH LANDFILL (SEAD-3,6,8,14,15), SEAD-007 - SHALE PIT, SEAD-014 - REFUSE BURNING PITS, SEAD-015 - ABANDONED SOLID WASTE INCINERATOR, SEAD-020 - STP NO 4, SEAD-021 - STP NO 715, SEAD-028 - UST BLDG A,B POL (BLDG 360), SEAD-029 - UST BLDG 732 POL, SEAD-030 - UST BUILDING 118 POL, SEAD-031 - UST BUILDING 117 POL, SEAD-032 - UST BUILDING 718 A,B POL, SEAD-033 - UST BUILDING 121 POL, SEAD-034 - UST BUILDING 319 A,B POL, SEAD-035 - WASTE OIL BOILER, BUILDING 718, SEAD-036 - WASTE OIL BOILER, BUILDING 121, SEAD-037 - WASTE OIL BOILER, BUILDING 319, SEAD-038 - BOILER PLANT BLOWDOWN PITS BUILDING 2079, SEAD-039 - BOILER PLANT BLOWDOWN PITS BUILDING 121, SEAD-040 - BOILER PLANT BLOWDOWN PITS BUILDING 319, SEAD-041 - BOILER PLANT BLOWDOWN PITS BUILDING 718, SEAD-048 - PITCHBLEND STORAGE AREAS, SEAD-049 - COLUMBITE ORE STORAGE BLDG 356, SEAD-052 - AMMUNITION BREAKDOWN AREA, SEAD-054 - ASBESTOS STORAGE, SEAD-055 - BUILDING 357- TANNIN STORAGE, SEAD-056 - HERBICIDE AND PESTICIDE STORAGE)
1988	
PA	(SEAD-011 - OLD CONSTRUCTION DEBRIS LANDFILL)
1989	
SI	(SEAD-003 - INCINERATOR COOLING WATER POND, SEAD-006 - ASH LANDFILL (SEAD-3,6,8,14,15), SEAD-008 - NONCOMBUST FILL AREA, PART OF SEAD-006, SEAD-014 - REFUSE BURNING PITS, SEAD-015 - ABANDONED SOLID WASTE INCINERATOR)
1991	
PA	(SEAD-018 - CLASSIFIED DOCUMENT INCINERATOR (709), SEAD-019 - CLASSIFIED DOCUMENT INCINERATOR (801), SEAD-024 - ABANDONED POWDER BURNING PIT, SEAD-025 - FIRE TRAINING AND DEMO PAD, SEAD-026 - FIRE TRAINING PIT)
1993	
RA(C)	(SEAD-030 - UST BUILDING 118 POL)
PA	(SEAD-005 - SEWAGE SLUDGE WASTE PILES, SEAD-042 - OLD PREVENTATIVE MEDICINE LABORATORY, SEAD-043 - BLDG 606 MISSILE PROP. TEST LAB., SEAD-047 - RAD CALIBRATION SOURCE STOR BLDG-321,806, SEAD-050 - TANK FARM, SEAD-058 - DEBRIS AREA NEAR BOOSTER STATION 2131, SEAD-059 - FILL AREA WEST 135, SEAD-062 - NICOTINE SULFATE DISPOSAL AREA, SEAD-063 - MISCELLANEOUS COMPONENTS BURIAL SITE, SEAD-065 - ACID STORAGE AREA, SEAD-066 - PESTICIDE STORAGE AREA, SEAD-067 - DUMP SITE EAST OF STP #4, SEAD-068 - PEST CONTROL SHOP, SEAD-069 - BLDG 606 DISPOSAL AREA, SEAD-070 - BLDG 2110 FILL AREA, SEAD-071 - PAINT DISPOSAL AREA, SEAD-072 - BUILDING 803- MIXED WASTE STORAGE, SEAD-64A - GARBAGE DISPOSAL AREA A, SEAD-64B - GARBAGE DISPOSAL AREA B, SEAD-64C - GARBAGE DISPOSAL AREA C, SEAD-64D - GARBAGE DISPOSAL AREA D)
1994	
PA	(SEAD-061 - UST WASTE OIL TANK BLDG 718)

BRAC-IRP Schedule

1994	
SI	(SEAD-005 - SEWAGE SLUDGE WASTE PILES, SEAD-009 - MULT NFA SITES (OLD SCRAP WD PILE) , SEAD-012 - RADIOACTIVE BURIAL SITES (3), SEAD-043 - BLDG 606 MISSILE PROP. TEST LAB., SEAD-048 - PITCHBLEND STORAGE AREAS, SEAD-050 - TANK FARM, SEAD-052 - AMMUNITION BREAKDOWN AREA, SEAD-059 - FILL AREA WEST 135, SEAD-062 - NICOTINE SULFATE DISPOSAL AREA, SEAD-063 - MISCELLANEOUS COMPONENTS BURIAL SITE, SEAD-067 - DUMP SITE EAST OF STP #4, SEAD-069 - BLDG 606 DISPOSAL AREA, SEAD-070 - BLDG 2110 FILL AREA, SEAD-071 - PAINT DISPOSAL AREA, SEAD-64A - GARBAGE DISPOSAL AREA A, SEAD-64B - GARBAGE DISPOSAL AREA B, SEAD-64C - GARBAGE DISPOSAL AREA C, SEAD-64D - GARBAGE DISPOSAL AREA D)
1995	
IRA	(SEAD-006 - ASH LANDFILL (SEAD-3,6,8,14,15))
RI/FS	(SEAD-003 - INCINERATOR COOLING WATER POND, SEAD-006 - ASH LANDFILL (SEAD-3,6,8,14,15), SEAD-008 - NONCOMBUST FILL AREA, PART OF SEAD-006, SEAD-014 - REFUSE BURNING PITS, SEAD-015 - ABANDONED SOLID WASTE INCINERATOR)
1996	
SI	(SEAD-004 - MUNITIONS WASHOUT FACILITY LEACH FIELD, SEAD-011 - OLD CONSTRUCTION DEBRIS LANDFILL, SEAD-013 - IRFNA DISPOSAL SITE (6), SEAD-024 - ABANDONED POWDER BURNING PIT, SEAD-025 - FIRE TRAINING AND DEMO PAD, SEAD-026 - FIRE TRAINING PIT, SEAD-058 - DEBRIS AREA NEAR BOOSTER STATION 2131)
1997	
PA	(SEAD-119 - EBS SITES- HOUSING AREA, SEAD-120 - EBS SITES- CONSERVATION AREA, SEAD-121 - EBS SITES- INDUSTRIAL AREA, SEAD-122 - EBS SITES- AIRFIELD AREA, SEAD-123 - EBS SITES- INSTITUTIONAL AREA)
1999	
SI	(SEAD-120 - EBS SITES- CONSERVATION AREA, SEAD-121 - EBS SITES- INDUSTRIAL AREA, SEAD-123 - EBS SITES- INSTITUTIONAL AREA)
2001	
RI/FS	(SEAD-025 - FIRE TRAINING AND DEMO PAD, SEAD-026 - FIRE TRAINING PIT, SEAD-071 - PAINT DISPOSAL AREA)
2003	
SI	(SEAD-119 - EBS SITES- HOUSING AREA)
IRA	(SEAD-059 - FILL AREA WEST 135)
2004	
PA	(SEAD-027 - BLDG 360 STEAM CLEANING WASTE TANK)
SI	(SEAD-066 - PESTICIDE STORAGE AREA)
RI/FS	(SEAD-64A - GARBAGE DISPOSAL AREA A)
2005	
RI/FS	(SEAD-050 - TANK FARM)
RD	(SEAD-027 - BLDG 360 STEAM CLEANING WASTE TANK)
RA(C)	(SEAD-027 - BLDG 360 STEAM CLEANING WASTE TANK)
IRA	(SEAD-050 - TANK FARM)
2006	
IRA	(SEAD-005 - SEWAGE SLUDGE WASTE PILES, SEAD-024 - ABANDONED POWDER BURNING PIT, SEAD-039 - BOILER PLANT BLOWDOWN PITS BUILDING 121, SEAD-063 - MISCELLANEOUS COMPONENTS BURIAL SITE, SEAD-067 - DUMP SITE EAST OF STP #4)
RA(C)	(SEAD-025 - FIRE TRAINING AND DEMO PAD)

BRAC-IRP Schedule

2006

RI/FS (SEAD-038 - BOILER PLANT BLOWDOWN PITS BUILDING 2079, SEAD-063 - MISCELLANEOUS COMPONENTS BURIAL SITE)
 RD (SEAD-006 - ASH LANDFILL (SEAD-3,6,8,14,15), SEAD-025 - FIRE TRAINING AND DEMO PAD)

2007

SI (SEAD-122 - EBS SITES- AIRFIELD AREA)
 RI/FS (SEAD-009 - MULT NFA SITES (OLD SCRAP WD PILE) , SEAD-013 - IRFNA DISPOSAL SITE (6), SEAD-039 - BOILER PLANT BLOWDOWN PITS BUILDING 121, SEAD-067 - DUMP SITE EAST OF STP #4)
 RA(C) (SEAD-006 - ASH LANDFILL (SEAD-3,6,8,14,15))

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-001	BLDG 307- HAZ WASTE STORAGE FACILITY	Rad site, SEAD-48	20090501
SEAD-002	BLDG 301- PCB TRANSFORMER STORAGE AREA	Rad site, SEAD-48	20090501
SEAD-005	SEWAGE SLUDGE WASTE PILES	Rad site, SEAD-48	20090501
SEAD-024	ABANDONED POWDER BURNING PIT	Rad site, SEAD-48	20090501
SEAD-048	PITCHBLEND STORAGE AREAS	Rad site, SEAD-48	20090501
SEAD-011	OLD CONSTRUCTION DEBRIS LANDFILL	SEAD 11 Old Construction Debris LF	20090930
SEAD-012	RADIOACTIVE BURIAL SITES (3)	SEAD 12 RAD site ROD	20090430
SEAD-059	FILL AREA WEST 135	Paint Disposal Areas ROD	20090930
SEAD-071	PAINT DISPOSAL AREA	Paint Disposal Areas ROD	20090930

Final RA(C) Completion Date: 201006

NPL Deletion Date: N/A

Schedule for Next Five-Year Review: 2010

Estimated Completion Date of BRAC-IRP at Installation (including LTM phase): 205201

SENECA ARMY DEPOT ACTIVITY BRAC-IRP Schedule

= phase underway

SITE ID	SITE NAME	PHASE	FY09	FY10	FY11	FY12	FY13	FY14+
SEAD-004	MUNITIONS WASHOUT FACILITY LEACH FIELD	PA						
		SI						
		RI/FS						
		RA(C)						
		LTM						
SEAD-005	SEWAGE SLUDGE WASTE PILES	PA						
		SI						
		RI/FS						
		IRA						
		LTM						
SEAD-006	ASH LANDFILL (SEAD-3,6,8,14,15)	PA						
		SI						
		RI/FS						
		RD						
		IRA						
		RA(C)						
		RA(D)						
		LTM						
SEAD-009	MULT NFA SITES (OLD SCRAP WD PILE)	PA						
		SI						
		RI/FS						
		LTM						
SEAD-011	OLD CONSTRUCTION DEBRIS LANDFILL	PA						
		SI						
		RI/FS						
		LTM						
SEAD-012	RADIOACTIVE BURIAL SITES (3)	PA						
		SI						
		RI/FS						
		RA(C)						
		LTM						

SENECA ARMY DEPOT ACTIVITY BRAC-IRP Schedule

SITE ID	SITE NAME	PHASE	FY09	FY10	FY11	FY12	FY13	FY14+
SEAD-013	IRFNA DISPOSAL SITE (6)	PA						
		SI						
		RI/FS						
		RA(C)						
		RA(O)						
SEAD-024	ABANDONED POWDER BURNING PIT	PA						
		SI						
		RI/FS						
		IRA						
		LTM						
SEAD-025	FIRE TRAINING AND DEMO PAD	PA						
		SI						
		RI/FS						
		RD						
		LTM						
SEAD-048	PITCHBLEND STORAGE AREAS	PA						
		SI						
		RI/FS						
		LTM						
SEAD-059	FILL AREA WEST 135	PA						
		SI						
		RI/FS						
		LTM						
SEAD-121	EBS SITES- INDUSTRIAL AREA	PA						
		SI						
		LTM						

BRAC-IRP Costs

Total Funding through FY2004: \$79,972.0 K
(Included ER,A funding from FY04 and prior years)

Prior Funding

FY	Phase	BRAC Round	Site ID	Obligations	FY Total	
2005	IRA		SEAD-011	\$6,615.0 K	\$7,919.0 K	
			SEAD-006	\$30.0 K		
	RA(C)		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

TOTAL PRIOR FUNDING: \$89,315.8 K
(Included ER,A funding from FY04 and prior years)

Current Requirements

BRAC IV

FY	Phase	Site ID	Requirements	FY Total		
2008	LTM		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		
			SEAD 27	\$9.0 K		
			SEAD24	\$46.0 K		
		RA-O		SEAD -006		\$187.0 K
				SEAD 013		\$95.0 K

TOTAL CURRENT REQUIREMENTS \$559.0 K

Future Requirements - BRAC IV \$10,363.00
Total Future Requirements \$10,363.00

BRAC-IRP Costs

TOTAL PROGRAM COST: \$100,237.8 K
(Included ER,A funding from FY04 and prior years)

Required Cost-to-Complete

BRAC IV

SITE ID	SITE NAME	Phase	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Out Yrs	Total	Description of Work	
SEAD-004	MUNITIONS WASHOUT FACILITY LEACH FIELD	RA(C)											
		LTM					68					68	Site Close Out Documentation; Professional Labor Management
											68	Site Total	
SEAD-005	SEWAGE SLUDGE WASTE PILES	RI/FS											
		LTM	9	9	9	9	16	9	9		255	325	LUC - Transferring Government Installation; Five Year Review; Site Close Out Documentation; Well Abandonment
											325	Site Total	
SEAD-006	ASH LANDFILL (SEAD-3,6,8,14,15)	RA(O)	192	192	192	233	192	192	192		1600	2985	Monitoring, System Water-VOCs; Five Year Review; Site Close Out Documentation; Well Abandonment
		LTM	8	8	8	8	8	8	8		188	244	LUC - Transferring Government Installation
											3229	Site Total	
SEAD-009	MULT NFA SITES (OLD SCRAP WD PILE)	LTM	73	8	8	8	8	8	8		188	309	LUC - Transferring Government Installation; Site Close Out Documentation; Well Abandonment
											309	Site Total	
SEAD-011	OLD CONSTRUCTION DEBRIS LANDFILL	RI/FS											
		LTM	55									55	Site Close Out Documentation; Well Abandonment
											55	Site Total	
SEAD-012	RADIOACTIVE BURIAL SITES (3)	RI/FS											
		RA(C)	2685									2685	Remedial Design; Off-site Transportation and Landfill Disposal, Non-hazardous Solids without Stabilization
		LTM			113						113	Well Abandonment; Site Close Out Documentation	
											2798	Site Total	

Required Cost-to-Complete

BRAC IV

SITE ID	SITE NAME	Phase	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Out Yrs	Total	Description of Work	
SEAD-013	IRFNA DISPOSAL SITE (6)	RA(O)	113	113	113	113	135	113	113		1488	2301	LUC - Transferring Government Installation; Site Close Out Documentation; Well Abandonment; Monitoring - Groundwater; Five Year Review
											2301	Site Total	
SEAD-024	ABANDONED POWDER BURNING PIT	RI/FS											
		LTM	47										47
											47	Site Total	
SEAD-025	FIRE TRAINING AND DEMO PAD	LTM	46	46	46	69	46	46	46		413	758	Well Abandonment; Monitoring - Groundwater; LUC - Transferring Government Installation; Five Year Review; Site Close Out Documentation
											758	Site Total	
SEAD-048	PITCHBLEND STORAGE AREAS	RI/FS											
		LTM	46										46
											46	Site Total	
SEAD-059	FILL AREA WEST 135	RI/FS											
		LTM	29	8	8	8	8	8	8			217	294
											294	Site Total	
SEAD-121	EBS SITES- INDUSTRIAL AREA	RI/FS											
		LTM	3	17	3	3	6	3	3			95	133
											133	Site Total	
Totals			3306	401	500	451	487	387	387		4444	10363	
											10363	Site Total	

Programmed Cost-to-Complete

BRAC IV

SITE ID	SITE NAME	Phase	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Out Yrs	Total	Description of Work	
SEAD-004	MUNITIONS WASHOUT FACILITY LEACH FIELD	RA(C)											
		LTM	0	0	0	0	68	0	0		0	68	Site Close Out Documentation; Professional Labor Management
		68											Site Total
SEAD-005	SEWAGE SLUDGE WASTE PILES	RI/FS											
		LTM	9	9	9	9	16	9	9		255	325	LUC - Transferring Government Installation; Five Year Review; Site Close Out Documentation; Well Abandonment
		325											Site Total
SEAD-006	ASH LANDFILL (SEAD-3,6,8,14,15)	RA(O)	192	192	192	233	192	192	192		1600	2985	Monitoring, System Water-VOCs; Five Year Review; Site Close Out Documentation; Well Abandonment
		LTM									244	244	LUC - Transferring Government Installation
		3229											Site Total
SEAD-009	MULT NFA SITES (OLD SCRAP WD PILE)	LTM	73	8	8	8	8	8	8		188	309	LUC - Transferring Government Installation; Site Close Out Documentation; Well Abandonment
309											Site Total		
SEAD-011	OLD CONSTRUCTION DEBRIS LANDFILL	RI/FS											
		LTM	55	0	0	0	0	0	0		0	55	Site Close Out Documentation; Well Abandonment
		55											Site Total
SEAD-012	RADIOACTIVE BURIAL SITES (3)	RI/FS											
		RA(C)	0	2685	0	0	0	0	0		0	2685	Remedial Design; Off-site Transportation and Landfill Disposal, Non-hazardous Solids without Stabilization
		LTM	0	0	113	0	0	0	0		0	113	Well Abandonment; Site Close Out Documentation
2798											Site Total		
SEAD-013	IRFNA DISPOSAL SITE (6)	RA(O)	113	113	113	113	135	113	113		1488	2301	LUC - Transferring Government Installation; Site Close Out Documentation; Well Abandonment; Monitoring -

SENECA ARMY DEPOT ACTIVITY
Base Realignment and Closure
Military Munitions Response Program

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BRAC-MMRP Summary

Installation Total Army Environmental Database-Restoration (AEDB-R) BRAC Sites/Response Complete (RC)
BRAC Sites*: 13/8

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, Munitions constituents, Semi-volatiles

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 (includes ER,A funding from FY04 and prior years.): \$11,179.4 K
Current Requirements: \$4.0 K
Future Requirements: \$22,800.0 K

Duration of BRAC-MMRP

Date of BRAC-MMRP Inception: 197905
Estimated Date for Remedy-In-Place (RIP)/Response Complete (RC): 201709/201709
Date of BRAC-MMRP completion including Long Term Management (LTM): 204709

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

BRAC-MMRP Contamination Assessment

Contamination Assessment Overview

Seneca Army Depot 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 groundwater, surface water, sediment, and soil.

Previous investigations completed in 1993 identified 72 SWMUs. The Environmental Baseline Study completed in 1996 added two additional sites that were identified as AOCs. 22 operable units address the 74 AOCs. These sites are generally categorized as landfills, munitions open burning and open detonation grounds, refuge burning sites, dump sites, burial pits, spills, and fire training areas. The final remedy is expected to be in place September 2013, subject to the availability of funding. LTM is expected to last for 30 years. Institutional controls restricting certain types of development will last indefinitely.

Cleanup Exit Strategy

Seneca is a BRAC Closure 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 individual sites. The last parcel is scheduled to be transferred in 2012.

SENECA ARMY DEPOT ACTIVITY
Military Munitions Response Program
Site Descriptions

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Site ID: SEAD-001-R-01
Site Name: DEACTIVATION FURNACES
Alias: SEAD-016

STATUS

Parcel: LRA 2A (14 acres)

Regulatory Driver: CERCLA

Program: BRAC-MMRP

MRSPP Score: No longer required

Contaminants of Concern: Metals, Semi-volatiles

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.....	203809

RIP Date: N/A

RC Date: 200808

SITE DESCRIPTION

Formerly SEAD-16/17, this site includes former and existing popping plants. The Abandoned Deactivation Furnace (SEAD-16) is located in the east-central portion of SEDA consisting of 2.6 acres of fenced land with grasslands, a storage area and the building housing the deactivation furnace. The Active Deactivation Furnace (SEAD-17) is located adjacent to and southwest of SEAD 16 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 16. Lead concentrations in soil at SEAD 16 were of concern. A Final ROD was signed by the regulators on September 29, 2006.

CLEANUP/EXIT STRATEGY

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

LTM includes LUCs, five-year review, and site closeout documentation.

Site ID: SEAD-002-R-01
Site Name: EAST EOD RANGES
Alias: SEAD-118

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

Media of Concern: Soil

BRAC Round: BRAC IV

Phases	Start	End
PA.....	200011.....	200306
RI/FS.....	200110.....	200909
IRA.....	200502.....	200909
LTM.....	200909.....	203905

RIP Date: N/A

RC Date: 200909

SITE DESCRIPTION

The East 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.

Munitions and explosives of concern (MEC) have 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.

CLEANUP/EXIT STRATEGY

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

LTM includes munitions and explosives of concern (MEC) monitoring.

Response Complete (No Further Action) Summary

Site ID	Site Name	NFA Date	Documentation
SEAD-004-R-01	LTA RANGES	200306	CTT Range Inventory document - 2005
SEAD-005-R-01	LTA-1 XD	200306	CTT Range Inventory document - 2005
SEAD-008-R-01	SAMPSON RIFLE RANGE	200306	CTT Range Inventory document - 2005
SEAD-009-R-01	SAMPSON RIFLE RANGE XD	200306	CTT Range Inventory document - 2005
SEAD-017	BLDG 367 PRESENT DEACTIVATION FURNACE	200109	Tracked under SEAD-001-R-01
SEAD-044	QA TEST LAB	199409	Munitions Response Completion Report - 2004
SEAD-045	DEMOLITION AREA	200103	Tracked under SEAD-006-R-01
SEAD-057	EXPLOSIVE ORDNANCE RANGE	200103	Tracked under SEAD-003-R-01

BRAC-MMRP Schedule

Date of BRAC-MMRP Inception: 197905

Past Phase Completion Milestones

1980	
PA	(SEAD-057 - EXPLOSIVE ORDNANCE RANGE)
1989	
PA	(SEAD-045 - DEMOLITION AREA)
1991	
PA	(SEAD-017 - BLDG 367 PRESENT DEACTIVATION FURNACE)
1993	
PA	(SEAD-044 - QA TEST LAB)
1994	
SI	(SEAD-044 - QA TEST LAB, SEAD-045 - DEMOLITION AREA, SEAD-057 - EXPLOSIVE ORDNANCE RANGE)
1996	
SI	(SEAD-017 - BLDG 367 PRESENT DEACTIVATION FURNACE)
2000	
PA	(SEAD-001-R-01 - DEACTIVATION FURNACES)
2001	
RI/FS	(SEAD-017 - BLDG 367 PRESENT DEACTIVATION FURNACE, SEAD-045 - DEMOLITION AREA, SEAD-057 - EXPLOSIVE ORDNANCE RANGE)
2002	
PA	(SEAD-003-R-01 - EOD RANGE 1, SEAD-006-R-01 - OPEN BURN/OPEN DETONATION GROUNDS)
2003	
PA	(SEAD-002-R-01 - EAST EOD RANGES, SEAD-004-R-01 - LTA RANGES, SEAD-005-R-01 - LTA-1 XD, SEAD-007-R-01 - RIFLE GRENADE RANGE, SEAD-008-R-01 - SAMPSON RIFLE RANGE, SEAD-009-R-01 - SAMPSON RIFLE RANGE XD)
2006	
RI/FS	(SEAD-001-R-01 - DEACTIVATION FURNACES)
2007	
RD	(SEAD-001-R-01 - DEACTIVATION FURNACES)

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	SEAD-002-R-01 and SEAD-007-R-01	20090930
SEAD-007-R-01	RIFLE GRENADE RANGE	SEAD-002-R-01 and SEAD-007-R-01	20090930
SEAD-006-R-01	OPEN BURN/OPEN DETONATION GROUNDS	RCRA Closure Plan	20170930
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

Final RA(C) Completion Date: 201112

NPL Deletion Date: N/A

BRAC-MMRP Schedule

Schedule for Next Five-Year Review: 2010

Estimated Completion Date of BRAC-MMRP at Installation (including LTM phase): 204709

SENECA ARMY DEPOT ACTIVITY BRAC-MMRP Schedule

= phase underway

SITE ID	SITE NAME	PHASE	FY09	FY10	FY11	FY12	FY13	FY14+
SEAD-001-IT-01	DEACTIVATION FURNACES	PA						
		RI/FS						
		RD						
		RA(G)						
		LTM						
SEAD-002-R-01	EAST EOD RANGES	PA						
		RI/FS						
		RA						
		LTM						
SEAD-003-R-01	EOD RANGE 1	PA						
		RI/FS						
		RD						
		RA(G)						
		LTM						
SEAD-006-R-01	OPEN BURN/OPEN DETONATION GROUNDS	PA						
		RI/FS						
		RA						
		LTM						
SEAD-007-R-01	RIFLE GRENADE RANGE	PA						
		RI/FS						
		RA						
		LTM						

BRAC-MMRP Costs

Total Funding through FY2004: \$4,324.0 K
 (Included 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

TOTAL PRIOR FUNDING: \$11,179.4 K

(Included ER,A funding from FY04 and prior years)

Current Requirements

BRAC IV

FY	Phase	Site ID	Requirements	FY Total
2008	LTM	SEAD 002-R-01	\$2.0 K	\$4.0 K
		SEAD 007-R-01	\$2.0 K	

TOTAL CURRENT REQUIREMENTS \$4.0 K

Future Requirements - BRAC IV \$22,800.00

Total Future Requirements \$22,800.00

TOTAL PROGRAM COST: \$33,983.4 K

(Included ER,A funding from FY04 and prior years)

Required Cost-to-Complete

3RAC IV

SITE ID	SITE NAME	Phase	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Out Yrs	Total	Description of Work	
SEAD-001-R-01	DEACTIVATION FURNACES	LTM	7	7	7	7	14	7	7	205	261	Five Year Review; Site Close Out Documentation; LUC - Transferring Government Installation; Professional Labor Management	
		261										Site Total	
SEAD-002-R-01	EAST EOD RANGES	RI/FS											
		IRA											
		LTM	2		2		2		2		17	25	OE Monitoring, 2 Events
25										Site Total			
SEAD-003-R-01	EOD RANGE 1	RI/FS											
		RD			37							37	Remedial Design
		RA(C)			410							410	Off-site Transportation and Landfill Disposal, Non-hazardous Solids without Stabilization
		LTM				2		2			91	95	OE Institutional Controls; Site Close Out Documentation
542										Site Total			
SEAD-006-R-01	OPEN BURN/OPEN DETONATION GROUNDS	RI/FS	50	50	92	50	50	50	50		1325	1717	Monitoring - Groundwater; Five Year Review; LUC - Transferring Government Installation; Site Close Out Documentation
		IRA	5000	5000	5000	2232						17232	MEC Removal Action
		LTM					89	89	89		2731	2998	Well Abandonment; Five Year Review; Site Close Out Documentation; OE Institutional Controls; Monitoring, System Water-Metals
21947										Site Total			
SEAD-007-R-01	RIFLE GRENADE RANGE	RI/FS											
		LTM		2		2		2			19	25	OE Monitoring, 2 Events
25										Site Total			
Totals			5059	5059	5548	2293	155	150	148		4388	22800	
22800										Site Total			

Programmed Cost-to-Complete

BRAC IV

SITE ID	SITE NAME	Phase	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Out Yrs	Total	Description of Work	
SEAD-001-R-01	DEACTIVATION FURNACES	LTM	7	7	7	7	14	7	7	205	261	Five Year Review; Site Close Out Documentation; LUC - Transferring Government Installation; Professional Labor Management	
		261 Site Total											
SEAD-002-R-01	EAST EOD RANGES	RI/FS											
		IRA											
		LTM	2	0	2	0	2	0	2		17	25	OE Monitoring, 2 Events
25 Site Total													
SEAD-003-R-01	EOD RANGE 1	RI/FS											
		RD	0	0	37	0	0	0	0		0	37	Remedial Design
		RA(C)	0	0	410	0	0	0	0		0	410	Off-site Transportation and Landfill Disposal, Non-hazardous Solids without Stabilization
		LTM	0	0	0	2	0	2	0		91	95	OE Institutional Controls; Site Close Out Documentation
542 Site Total													
SEAD-006-R-01	OPEN BURN/OPEN DETONATION GROUNDS	RI/FS	0	0	0	0	0	50	92		1575	1717	Monitoring - Groundwater; Five Year Review; LUC - Transferring Government Installation; Site Close Out Documentation
		IRA	0	0	0	0	0	5000	5000		7232	17232	MEC Removal Action
		LTM	0	0	0	0	0	0	0		2998	2998	Well Abandonment; Five Year Review; Site Close Out Documentation; OE Institutional Controls; Monitoring, System Water-Metals
21947 Site Total													
SEAD-007-R-01	RIFLE GRENADE RANGE	RI/FS											
		LTM	0	2	0	2	0	2	0		19	25	OE Monitoring, 2 Events
25 Site Total													
Totals			9	9	456	11	16	5061	5101		12137	22800	
22800 Site Total													

Costs - Combined Requirements Spreadsheet

3RAC IV

PROG	SITE ID	SITE NAME	PHASE	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Out Yrs	Total	Description of Work		
IR	SEAD-004	MUNITIONS WASHOUT FACILITY LEACH FIELD	LTM					68				68	Site Close Out Documentation; Professional Labor Management		
			RA(C)												
												68	Site Total		
IR	SEAD-005	SEWAGE SLUDGE WASTE PILES	LTM	9	9	9	9	16	9	9		255	325	LUC - Transferring Government Installation; Five Year Review; Site Close Out Documentation; Well Abandonment	
			RI/FS												
												325	Site Total		
IR	SEAD-006	ASH LANDFILL (SEAD-3,6,8,14,15)	LTM	8	8	8	8	8	8	8		188	244	LUC - Transferring Government Installation	
			RA(O)	192	192	192	233	192	192	192		1600	2985	Monitoring, System Water-VOCs; Five Year Review; Site Close Out Documentation; Well Abandonment	
												3229	Site Total		
IR	SEAD-009	MULT NFA SITES (OLD SCRAP WD PILE)	LTM	73	8	8	8	8	8	8		188	309	LUC - Transferring Government Installation; Site Close Out Documentation; Well Abandonment	
												309	Site Total		
IR	SEAD-011	OLD CONSTRUCTION DEBRIS LANDFILL	LTM	55								55	55	Site Close Out Documentation; Well Abandonment	
			RI/FS												
												55	Site Total		
IR	SEAD-012	RADIOACTIVE BURIAL SITES (3)	RI/FS												
			LTM			113								113	Well Abandonment; Site Close Out Documentation
			RA(C)	2685										2685	Remedial Design; Off-site Transportation and Landfill Disposal, Non-hazardous Solids without Stabilization
												2798	Site Total		
IR	SEAD-013	IRFNA DISPOSAL SITE (6)	RA(O)	113	113	113	113	135	113	113		1488	2301	LUC - Transferring Government Installation; Site Close Out Documentation; Well Abandonment; Monitoring -	

Costs - Combined Requirements Spreadsheet

BRAC IV

PROG	SITE ID	SITE NAME	PHASE	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Out Yrs	Total	Description of Work
												2301	Groundwater; Five Year Review Site Total
IR	SEAD-024	ABANDONED POWDER BURNING PIT	RI/FS										
			LTM	47								47	Site Close Out Documentation; Well Abandonment
												47	Site Total
IR	SEAD-025	FIRE TRAINING AND DEMO PAD	LTM	46	46	46	69	46	46	46	413	758	Well Abandonment; Monitoring - Groundwater; LUC - Transferring Government Installation; Five Year Review; Site Close Out Documentation
												758	Site Total
IR	SEAD-048	PITCHBLEND STORAGE AREAS	RI/FS										
			LTM	46								46	Site Close Out Documentation; Well Abandonment
												46	Site Total
IR	SEAD-059	FILL AREA WEST 135	LTM	29	8	8	8	8	8	8	217	294	LUC - Transferring Government Installation; Site Close Out Documentation; Well Abandonment
			RI/FS										
												294	Site Total
IR	SEAD-121	EBS SITES-INDUSTRIAL AREA	LTM	3	17	3	3	6	3	3	95	133	Site Close Out Documentation; Five Year Review; Monitoring - Groundwater; Well Abandonment
			RI/FS										
												133	Site Total
MR	SEAD-001-R-01	DEACTIVATION FURNACES	LTM	7	7	7	7	14	7	7	205	261	Five Year Review; Site Close Out Documentation; LUC - Transferring Government Installation; Professional Labor Management
												261	Site Total
MR	SEAD-002-R-01	EAST EOD RANGES	LTM	2		2		2		2	17	25	OE Monitoring, 2 Events
			IRA										
													Site Total

