

VERSION 1 FINAL REPORT

U.S. ARMY BASE REALIGNMENT AND CLOSURE 95 PROGRAM

BRAC Cleanup Plan

Seneca Army Depot Activity New York

01203

Prepared for



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

October 1996

Woodward-Clyde



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October 1999

Seattle District
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The American Society of Appraisers



Washington, DC

MEMORANDUM
FOR THE DIRECTOR, FEDERAL BUREAU OF INVESTIGATION

RE: [Illegible]

DATE OF REPORT: 10/15/99
BY: [Illegible]

EXECUTIVE SUMMARY

EXECUTIVE SUMMARY

The Secretary of Defense, in cooperation with Congress, proposed a law to close bases and bring base structure in line with force structure. Public Law 100-526, enacted in 1988, created the Commission on Base Realignment and Closure (BRAC). The law charged the Commission with recommending installations for closure or realignment based on independent study of the domestic military base structure. With subsequent passage of Public Law 101-510 under Title XXIX, enacted in 1990, Congress created the Defense BRAC Commission to provide a fair process that will result in the timely closure and realignment of military installations. Public Law 101-510 provided for the BRAC Commission to meet in 1991, 1993, and 1995. The BRAC process identifies installations based on eight criteria, including military value, cost saving and return-on-investment, and the economic and environmental impacts of closure. In July 1993, the President of the United States announced his base closure community reinvestment program to help speed the economic recovery of communities affected by the Department of Defense's BRAC program. The BRAC 95 program has been developed in response to the President's program to limit delays in property reuse and transfer by changing the way cleanup is conducted (i.e., from a slow-paced, structured process to an accelerated process).

This BRAC Cleanup Plan (BCP) for the Seneca Army Depot Activity (SEDA) is being prepared under the BRAC 95 program. The BRAC process includes preparing an Environmental Baseline Survey, Community Environmental Response Facilitation Act reports, Sampling and Analysis Recommendations, and the BCP. The BCP process under the BRAC 95 program centers on a single goal: *expediting and improving environmental response actions in order to facilitate the disposal and reuse of SEDA, while protecting human health and the environment.*

The BCP provides the status, management and response strategy, and action items related to the ongoing environmental restoration and associated compliance programs at SEDA. These programs support full restoration of the base property, where feasible, which is necessary to meet the requirements for property disposal and reuse activities associated with the closure of the installation.

The BCP is a planning document based on the best available information at the present. The information and assumptions presented may not necessarily have final approval from the base authorities and/or federal and state regulatory agencies. The BCP is a dynamic document that will be updated periodically to reflect the current status and strategies of remedial actions. This document is the first in a series of updates/modifications and represents conditions and strategies as of September 1996.

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The following BCP abstract (Table ES-1) provides a concise summary of essential information contained in the BCP for SEDA. It includes summaries of the installation description; environmental condition of the property; reuse planning status; restoration program; compliance program; conservation program; issues related to execution of the program; and projected fiscal year funding.

**TABLE ES-1
BRAC CLEANUP PLAN (BCP) ABSTRACT
DEPARTMENT OF DEFENSE COMPONENT: U.S. ARMY**

Installation Name: <u>Seneca Army Depot Activity</u>	Date Prepared: <u>October 1996</u>
FFID: _____	BRAC Round: <u>IV</u>
Location: <u>Romulus, New York</u>	BRAC Type: <u>Closure</u>

INSTALLATION SUMMARY

Scheduled Operational Closure Date: <u>2000\9</u>	Date CERFA EBS Submitted: <u>1996\2</u>
Actual Operational Closure Date: <u>--</u>	Number of CERFA Acres Proposed: <u>8,563.36</u>
Total Number of Installation Acres: <u>10,634</u>	Number of CERFA Acres Concurred: <u>pending</u>
Acres Retained by Component: <u>0</u>	Date CERFA Concurrence Received: <u>pending</u>
Acres to be Transferred to another Component: <u>0</u>	Date BCT Formed: <u>1995\11</u>
Acres Planned for Federal Transfer: <u>160</u>	Date Initial BCP Completed: <u>1996\11</u>
Acres Planned for Non-Federal Transfer: <u>10,474</u>	Date of Last BCP Update: <u>N/A</u>
	Date RAB Established: <u>1996\5</u>
Total Number of Acres Environmentally Suitable for Transfer: <u>8,690.27</u>	
Total Number of Acres Eligible for Disposal: <u>10,634</u>	

Types of Acres	Category of Environmental Condition of Property						
	1	2	3	4	5	6	7
Acres according to CERCLA	8,563.36	119.59	7.32	0	207.05	1,725	11.85

Types of Environmental Condition	Number of Acres
Petroleum, oils, and lubricants	1,715.09
Unexploded ordnance	1,303.24
Areas that require protection because of the presence of natural or cultural resources	0
Asbestos	73.1
Lead-based paints	82.14
Radon	0.38
Polychlorinated biphenyls (PCB)	0.019
Radionuclides	438.04
Safety issues	0

Activity	Installation Budget (\$000)								FY03- Completion
	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	
Restoration	--	7,493	10,432	17,589	64,655	11,280	68,005	9,095	23,445
Compliance	--	2,458	3,041	1,234	14,291	1,091	10,541	10,541	536
Planning	--	507	207	47	37	37	37	37	27
Management	--	201	206	206	208	210	210	210	210
TOTAL	--	10,659	13,886	19,076	79,191	12,618	78,793	19,883	24,218

REUSE PLANNING STATUS

Name of LRA: Seneca Army Depot Activity Local Redevelopment Authority

Status of the Redevelopment Plan: Draft Community Reuse Plan to be available October 1996

Projected Date of Installation-Wide Disposal and Reuse EA/EIS: 1999/2000

Actual Date of Installation-Wide Disposal and Reuse EA/EIS: --

Final Property Disposal Date: unknown

Actual Acres Leased to Federal Entity: <u>0</u>	Actual Acres Transferred to Federal Entity: <u>0</u>
Actual Acres Leased to Non-Federal Entity: <u>0</u>	Actual Acres Transferred to Non-Federal Entity: <u>0</u>

**TABLE ES-1
BRAC CLEANUP PLAN (BCP) ABSTRACT
DEPARTMENT OF DEFENSE COMPONENT: U.S. ARMY (continued)**

	FOST	FOST
Cumulative NUMBER Completed	0	0
Cumulative ACRES Completed	0	0
NUMBER Projected in Next Fiscal Year	0	0
ACRES Projected in Next Fiscal Year	0	0

RESTORATION PROGRAM

Summary:

SEDA was listed as an NPL site in 1990. Seventy-two sites were classified as solid waste management units (SWMUs) in the final Solid Waste Management Classification Study completed in 1994 (Engineering Science 1994). Of these, 24 have been classified as requiring no action; 20 as requiring removal action or completion report/ROD; and 28 as requiring remedial investigation/feasibility study (RI/FS), remedial action, and ROD. The 28 sites requiring an RI/FS are divided into 13 groups, and RIs are final at two of these; one is the Ash Landfill site (SEAD-3, -6, -8, -14, and -15) where an interim remedial measure has been completed to clean the source of contamination; additional work may be needed for the groundwater; the other is the Open Burning Grounds (SEAD-23). The Ash Landfill FS is currently under debate over unresolved remedial alternatives. Four new groups of RIs are planned, and it is likely that all of the remaining groups will require the full process (Headquarters, SEDA 1995). The EBS field investigation identified an additional 21 potential Areas of Concern. These sites will have to be classified in the same fashion as the other SWMUs and programmed into the installation's restoration program.

Final Remedy in Place/Response Complete:

- SEAD-1, SEAD-2,
- SEAD-7, SEAD-10,
- SEAD-18, SEAD-19,
- SEAD-20, SEAD-21,
- SEAD-22, SEAD-29,
- SEAD-30, SEAD-31,
- SEAD-35, SEAD-36,
- SEAD-37, SEAD-42,
- SEAD-47, SEAD-49,
- SEAD-51, SEAD-53,
- SEAD-55, SEAD-61,
- SEAD-65, SEAD-72

Long-Term Monitoring:

none

as of 1996/9

COMPLIANCE PROGRAM

Summary:

Underground Storage Tanks (USTs):

A total of 139 USTs exist at the Seneca Army Depot Activity, and all of the tanks are in compliance with New York State Petroleum Bulk Storage (PBS) regulations. The depot's PBS number is 8-416118. Of the 139 USTs, 48 are currently in use, 90 are temporarily inactive and are being monitored monthly under an agreement with NYSDEC to avoid having to permanently close them after 60 days; and one is permanently closed in place. There are nine tanks that currently meet 1998 UST standards (i.e., double-wall construction or corrosion-protected, leak detection, and overflow spill prevention) specified under 40 CFR 280, and 130 tanks that do not meet the standards. Of these 130 tanks, the majority are exempt oil tanks used only for heating, and the remainder require upgrades or permanent closure prior to 1998.

Hazardous Materials/Waste Management:

The Seneca Army Depot Activity is a RCRA interim permitted treatment, storage, or disposal (TSD) facility and is considered a large generator. The depot is inspected annually by NYSDEC for compliance with RCRA. The latest inspection on September 29, 1995, revealed no violations or situations requiring corrective action.

TABLE ES-1
BRAC CLEANUP PLAN (BCP) ABSTRACT
DEPARTMENT OF DEFENSE COMPONENT: U.S. ARMY (continued)

Solid Waste Management:

There are no active landfills currently in operation at the Seneca Army Depot Activity. All solid waste is collected and disposed of at a licensed off-base landfill by a local contractor.

Polychlorinated biphenyls (PCBs):

A log of all transformers at the Seneca Army Depot Activity has been initiated. This log should be complete by the end of fiscal year 1998.

Asbestos:

During the last asbestos survey, which occurred from 1989 to 1991, 86 public buildings and 129 family housing units were determined to contain asbestos-containing material (ACM). Over the years, the Seneca Army Depot Activity has had numerous asbestos abatement projects performed on many of these buildings. An Asbestos Management Plan has been implemented, and reinspection of these buildings began in 1996 to determine the presence and the condition of the remaining ACM. This survey is scheduled to be completed in 1997.

Radon:

Three hundred and eight buildings have been tested for radon at the Seneca Army Depot Activity, including all housing and high-priority structures, all office structures, and warehouse structures. The average results for all buildings tested was 3.1 pCi/l. It was determined that two buildings (B115 and B2516) are currently over the 4.0 pCi/l threshold.

RCRA Facilities:

The Seneca Army Depot Activity has a RCRA interim permit for Satellite Accumulation Areas for temporary storage and for six TSD units. Three of these TSD facilities, Buildings 307, 301, and 803, are container storage facilities permitted for storing waste longer than 90 days. Other TSD units are the Deactivation Furnace (Building 367), the Open Burning Ground, and the Open Detonation Ground. These RCRA permits remain on interim status.

NPDES Permits:

The Federal Water Pollution Control Act and subsequent amendments require a permit for any discharge of pollutants into waters. Under Section 402 of the Act, NPDES Permit No. NY0021296 was issued to the Seneca Army Depot Activity for the discharge of effluent from Sewage Treatment Plants #4, #314, and #715 into the waters of Kendaia Creek and Reeder Creek.

Oil/Water Separators:

Currently, oil/water separator compliance is monitored under the NPDES program.

Unexploded Ordnance (UXO):

Information on the potential presence of UXO at the Seneca Army Depot Activity was available from the following sources: (1) The Solid Waste Management Classification Study (Engineering Science 1994), which was used to identify buildings or areas in SWMUs potentially containing UXO; (2) the IRMP database, which was used to identify potential UXO based on building and areas names; and (3) on-site interviews and visual inspections. Buildings and areas where UXO was stored or disposed of are given a CERFA qualifier designation of "X." Buildings possibly containing UXO that was stored for use or disposal, and areas containing possible surface or buried UXO, based on previous testing, dismantling, or deactivation of UXO were designated "X(P)." Forty-two buildings, ten areas, and all 519 igloos were also designated X(P) because of possible UXO stored for use or disposal. The area is 1,303.24 acres.

Pesticide Use:

The Seneca Army Depot Activity currently uses pesticides to control grasses and weeds for railroad right-of-way, fencelines, igloos, and loading docks. This work is currently being contracted to various providers because the depot no longer has the personnel to apply pesticides. There is also a contract in place to handle mice and rats, bees, cockroaches, problem animals, and other similar pests. Round-up and Arsenal are the brands of pesticides used for weed and grass control.

Lead-Based Paint (LBP):

Lead-based paints were historically used at the Seneca Army Depot Activity, and presently the number of buildings that contain LBP is unknown. An inspection of all buildings, including family housing facilities, was started in 1996 by the depot's two trained LBP inspectors/hazard evaluators to determine the presence and condition of LBP at the depot.

Air Quality:

The Seneca Army Depot Activity is within a non-attainment area because of the Northeast Ozone Transport Region. The depot presently has 22 air emissions point sources, 13 of which are active and nine inactive. These point sources are registered with the NYSDEC under Air Permit No. 453089-0046. The operating permits include seven for smoke from the combustion of fuel

**TABLE ES-1
BRAC CLEANUP PLAN (BCP) ABSTRACT
DEPARTMENT OF DEFENSE COMPONENT: U.S. ARMY (continued)**

oils and two for smoke from the burning of classified documents. The remaining 13 sources are for ventilation of seven paint booths, a battery storage and charging area, a woodworking shop, three abrasive blasting booths, and one vapor degreaser. All of these emission point sources are presently in compliance with their operating permits. The depot has an EPA-certified visible-emissions evaluator who periodically checks these permitted sources for compliance with the opacity requirements of their operating permits.

CONSERVATION PROGRAM

Summary:

Threatened and Endangered Species (Federal and State): The Seneca Army Depot Activity is in the process of having an endangered species survey conducted. This work is being done through the U.S. Fish and Wildlife Service in conjunction with Cornell and Syracuse Universities. The draft report is expected by December 1996.

Wetlands: The Seneca Army Depot Activity has conducted a wetlands survey to delineate all the wetlands on the installation. The areas that were not considered were the airfield and the Lake Housing Area. The survey was conducted in 1994 to 1995, with the final report completed in December 1995. A total of 87 wetlands totaling 496 acres were identified at the depot.

Surface Waters: The Seneca Army Depot Activity has four creeks that flow off of the installation: Silver Creek, Indian Creek, Kendata Creek, and Reeder Creek.

Traditional Resources: The Seneca Army Depot Activity completed a timber inventory in 1995. The inventory calculates just over 3 million board-foot of various timber on the installation, which is valued at approximately \$805,000 based on 1995 prices.

FAST-TRACK CLEANUP SUMMARY

Summary:

There are no Fast-Track cleanup actions currently planned at Seneca Army Depot Activity.

BCT CONCURRENCE

The BCP Abstract has been reviewed and concurred to by the BCT:

DoD BCT: Stephen Absalom

EPA BCT Member: Carla Struble

State BCT Member: Kamal Gupta

TABLE OF CONTENTS

EXECUTIVE SUMMARY i

LIST OF ACRONYMS xiii

SECTION ONE INTRODUCTION 1-1

 1.1 ENVIRONMENTAL RESPONSE OBJECTIVES 1-3

 1.2 BCP PURPOSE, UPDATES, AND DISTRIBUTIONS 1-4

 1.3 BCT/PROJECT TEAM 1-5

 1.4 SITE DESCRIPTION AND HISTORY OF INSTALLATION 1-5

 1.4.1 Site Description 1-5

 1.4.2 Installation History and Mission 1-5

 1.5 OFF-BASE PROPERTY/TENANTS 1-7

 1.6 ENVIRONMENTAL SETTING 1-7

 1.6.1 Physical Setting 1-7

 1.6.2 Demographics 1-7

 1.6.3 Climatology 1-7

 1.6.4 Hydrology 1-8

 1.6.5 Geology 1-8

 1.6.6 Hydrogeology 1-9

 1.7 HAZARDOUS SUBSTANCES AND WASTE MANAGEMENT PRACTICES 1-10

 1.7.1 Hazardous Substance Activities 1-10

 1.7.2 Waste Management Activities 1-12

SECTION TWO PROPERTY DISPOSAL AND REUSE 2-1

 2.1 STATUS OF DISPOSAL PLANNING PROCESS 2-1

 2.2 RELATIONSHIP TO ENVIRONMENTAL PROGRAMS 2-1

 2.3 PROPERTY TRANSFER METHODS 2-2

 2.3.1 Federal Transfer of Property 2-2

 2.3.2 No-Cost Public Benefit Conveyance 2-2

 2.3.3 Negotiated Sale 2-2

 2.3.4 Widening of Public Highways 2-3

 2.3.5 Donated Property 2-3

 2.3.6 Interim Leases 2-3

 2.3.7 Competitive Public Sale 2-3

TABLE OF CONTENTS

FINAL

SECTION THREE INSTALLATION-WIDE ENVIRONMENTAL PROGRAM STATUS		
3-1	ENVIRONMENTAL PROGRAM STATUS	3.1
3-1	Restoration Sites	3.1.1
3-1	Installation-Wide Source Discovery and Assessment	3.1.2
3-2	Status	3-2
3-2	COMPLIANCE PROGRAM STATUS	3.2
3-2	Storage Tanks	3.2.1
3-2	Hazardous Materials/Waste Management	3.2.2
3-3	Solid Waste Management	3.2.3
3-3	Polychlorinated Biphenyls	3.2.4
3-4	Asbestos	3.2.5
3-4	Radon	3.2.6
3-4	RCRA Facilities	3.2.7
3-5	NPDES Permits	3.2.8
3-5	Oil/Water Separators	3.2.9
3-5	Unexploded Ordnance	3.2.10
3-6	Biocide Use	3.2.11
3-6	Lead-Based Paint	3.2.12
3-6	Air Quality	3.2.13
3-6	STATUS OF NATURAL AND CULTURAL RESOURCES	3.3
3-6	Threatened and Endangered Species	3.3.1
3-6	(Federal and State)	3.3.2
3-7	Wetlands	3.3.2
3-7	Surface Waters	3.3.3
3-7	Traditional Resources	3.3.4
3-7	Cultural Resources	3.3.5
3-8	ENVIRONMENTAL CONDITION OF PROPERTY	3.4
3-10	Areas Where No Storage, Release, or Disposal Has Occurred	3.4.1
3-11	Areas Where Only Storage Has Occurred	3.4.2
3-11	Areas Where Storage, Release, Disposal, or Migration Has Occurred, but Concentrations Require No Remedial Action	3.4.3
3-21	Remedial Action	3.4.4
3-22	Areas Where Storage, Release, Disposal, or Migration Has Occurred and All Remedial Actions Have Been Taken	3.4.4

TABLE OF CONTENTS

3.4.5	Areas Where Storage, Release, Disposal, or Migration Has Occurred and Action is Underway but Not Final.....	3-22
3.4.6	Areas Where Storage, Release, Disposal, or Migration Has Occurred, but Required Response Actions Have Not Been Taken.....	3-26
3.4.7	Unevaluated Areas or Areas Requiring Additional Evaluation	3-47
3.4.8	Qualified Parcels.....	3-49
3.4.9	Suitability of Installation Property for Transfer by Deed....	3-53
3.5	STATUS OF COMMUNITY INVOLVEMENT.....	3-54
SECTION FOUR		
	INSTALLATION-WIDE STRATEGY FOR ENVIRONMENTAL RESTORATION	4-1
4.1	ZONE/OPERABLE UNIT/OTHER DESIGNATION STRATEGY.....	4-1
4.1.1	Zone/Operable Unit/Other Designations	4-1
4.1.2	Sequence of Zones/Operable Units/Others.....	4-1
4.1.3	Early Actions Strategy	4-2
4.1.4	Remedy Selection Approach.....	4-2
4.2	COMPLIANCE STRATEGY.....	4-3
4.2.1	Storage Tanks.....	4-3
4.2.2	Hazardous Materials/Waste Management	4-3
4.2.3	Solid Waste Management.....	4-4
4.2.4	Polychlorinated Biphenyls	4-4
4.2.5	Asbestos.....	4-4
4.2.6	Radon.....	4-4
4.2.7	RCRA Facilities.....	4-5
4.2.8	NPDES Permits.....	4-5
4.2.9	Oil/Water Separators.....	4-5
4.2.10	Unexploded Ordnance.....	4-5
4.2.11	Biocides.....	4-5
4.2.12	Lead-Based Paint	4-5
4.2.13	Air Quality.....	4-6
4.3	NATURAL AND CULTURAL RESOURCES STRATEGY.....	4-6
4.3.1	Threatened and Endangered Species (State and Federal).....	4-6
4.3.2	Wetlands	4-6
4.3.3	Sensitive Habitats	4-6
4.3.4	Cultural Resources	4-7

TABLE OF CONTENTS

FINAL

4.8	COMMUNITY INVOLVEMENT/STRATEGY	4.4
5-1	ENVIRONMENTAL PROGRAM MASTER SCHEDULES	5.1
5-1	ENVIRONMENTAL RESTORATION PROGRAM	5.1
5-1	Response Schedules	5.1.1
5-1	Requirements by Fiscal Year	5.1.2
5-1	COMPLIANCE PROGRAMS	5.2
5-2	NATURAL AND CULTURAL RESOURCES	5.3
5-2	BCT/PROJECT TEAM/RESTORATION ADVISORY BOARD	5.4
5-2	MEETING SCHEDULE	
6-1	TECHNICAL AND OTHER ISSUES TO BE RESOLVED	SECTION SIX
6-1	DATA USABILITY	6.1
6-1	INFORMATION MANAGEMENT	6.2
6-1	BCT Action Items	6.2.1
6-1	Rationale	6.2.2
6-2	Status/Strategy	6.2.3
6-2	DATA GAPS	6.3
6-2	BACKGROUND LEVELS	6.4
6-2	BCT Action Items	6.4.1
6-2	Rationale	6.4.2
6-3	Status/Strategy	6.4.3
6-3	RISK ASSESSMENT	6.5
6-4	BCT Action Items	6.5.1
6-4	Rationale	6.5.2
6-4	Status/Strategy	6.5.3
6-5	BASE-WIDE REMEDIAL ACTION STRATEGY	6.6
6-5	INTERIM MONITORING OF GROUNDWATER AND SURFACE WATER	6.7
6-5	EXCAVATION OF CONTAMINATED MATERIALS	6.8
6-5	PROTOCOLS FOR REMEDIAL DESIGN REVIEWS	6.9
6-6	CONCEPTUAL MODELS	6.10
6-6	CLEANUP STANDARDS	6.11

TABLE OF CONTENTS

6.11.1	BCT Action Items	6-6
6.11.2	Rationale	6-7
6.11.3	Status/Strategy	6-7
6.12	INITIATIVES FOR ACCELERATING CLEANUP	6-7
6.13	REMEDIAL ACTIONS	6-8
6.14	REVIEW OF SELECTED TECHNOLOGIES FOR APPLICATION OF EXPEDITED SOLUTIONS	6-8
6.15	HOT-SPOT REMOVALS	6-8
6.16	IDENTIFICATION OF CLEAN PROPERTIES	6-9
6.16.1	BCT Action Items	6-9
6.16.2	Rationale	6-9
6.16.3	Status/Strategy	6-10
6.17	OVERLAPPING PHASES OF THE CLEANUP PROCESS	6-11
6.18	IMPROVED CONTRACTING PROCEDURES	6-11
6.19	INTERFACING WITH THE COMMUNITY REUSE PLAN	6-12
6.20	BIAS FOR CLEANUP INSTEAD OF STUDIES	6-12
6.21	EXPERT INPUT ON CONTAMINATION AND POTENTIAL REMEDIAL ACTIONS	6-12
6.22	PRESUMPTIVE REMEDIES	6-12
6.23	PARTNERING (USING INNOVATIVE MANAGEMENT, COORDINATION, AND COMMUNICATION TECHNIQUES)	6-13
6.24	UPDATING THE EBS AND NATURAL/CULTURAL RESOURCES DOCUMENTATION	6-13
6.24.1	Natural Resources	6-14
6.24.2	Cultural Resource Program	6-14
6.25	IMPLEMENTING THE POLICY FOR ON-SITE DECISION MAKING	6-15
6.26	RESERVE ENCLAVES	6-15
6.26.1	BCT Action Items	6-16
6.26.2	Rationale	6-16
6.26.3	Status/Strategy	6-16
6.27	BCP CONCURRENCE BY BCT	6-16
SECTION SEVEN	REFERENCES	7-1

TABLE OF CONTENTS

FINAL

APPENDICES

Appendix A	Fiscal Year Funding Requirements/Costs
Appendix B	Installation Environmental Restoration Documents Summary Table
Appendix C	Decision Document/Record of Decision Summaries
Appendix D	No Further Response Action Planned Summaries
Appendix E	Conceptual Site Model Data Summaries

TABLES

Table ES-1	BRAC Cleanup Plan Abstract
Table 1-1	Current BCT/Project Team Members
Table 1-2	History of Installation Operations
Table 1-3	Summary of Permitted Hazardous Waste Management Facilities
Table 2-1	Summary of Parcel Reuse
Table 3-1	Site Summary
Table 3-2	Remediation Actions Status
Table 3-3	Underground Storage Tank Summary
Table 3-4	Aboveground Storage Tank Summary
Table 3-5	Rare, Threatened, or Endangered Plant or Animal Species
Table 3-6	BRAC Parcel Descriptions
Table 3-7	Qualified Parcel Descriptions
Table 4-1	Cleanup Sequence
Table 5-1	BCT/Project Team Meeting Schedule

FIGURES

Figure 1-1	Site Location Map
Figure 1-2	Site and Facility Map
Figure 2-1	Disposal and Reuse Map
Figure 3-1	Solid Waste Management Unit (SWMU) Locations
Figure 3-2	Distribution of Wetlands
Figure 3-3	Distribution of Sensitive Habitats and Natural Communities
Figure 3-4	Environmental Condition of Property Map
Figure 5-1	Projected Master Restoration Schedule

LIST OF ACRONYMS

<u>ACRONYM</u>	<u>DEFINITION</u>
ACM	Asbestos-containing material
AOC	Area of Concern
ARAR	Applicable or relevant and appropriate requirement
AST	Aboveground storage tank
BCP	BRAC Cleanup Plan
BCT	BRAC Cleanup Team
BEC	BRAC Environmental Coordinator
BRAC	Base Realignment and Closure
BTEX	Benzene, toluene, ethylbenzene, and xylenes
CAMU	Corrective action management unit
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act, as amended
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CERFA	Community Environmental Response Facilitation Act
CFR	Code of Federal Regulations
CHPPM	U.S. Army Center for Health Promotion and Preventative Medicine
CRP	Community relations plan
DARCOM	U.S. Army Materiel Development and Readiness Command
DESCOM	U.S. Army Depot Systems Command
DOD	Department of Defense
DS-2	Diethylenetriamine
EBS	Environmental Baseline Survey
EIS	Environmental Impact Statement
EPA	U.S. Environmental Protection Agency
ESI	Expanded site investigation
FFA	Federal Facility Agreement
HR	Hazardous substance release or disposal
HS	Hazardous substance storage
IRFNA	Inhibited red fuming nitric acid
IRP	Installation Restoration Program
LBP	Lead-based paint

LRA	Local Redevelopment Authority
LUST	Leaking underground storage tank
MP	Military Police
MSL	Mean sea level
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
NYDES	New York Discharge Elimination System
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
OU	Operable unit
PAH	Polycyclic aromatic hydrocarbon
PBS	Petroleum Bulk Storage
PCB	Polychlorinated biphenyl
pCi/l	PicoCuries per liter
POL	Petroleum, oil, and lubricants
PR	Petroleum release or disposal
PS	Petroleum storage
RA	Response action
RAB	Restoration Advisory Board
RCRA	Resource Conservation and Recovery Act
RCRLA	Resource Conservation and Recovery Information System
RI	Remedial investigation
RI/FS	Remedial investigation/feasibility study
ROD	Record of Decision
SEDA	Seneca Army Depot Activity
SARA	Superfund Amendments and Reauthorization Act
SI	Site inspection (or investigation)
SOD	Seneca Ordnance Depot
SRN	State Registration Number
STB	Super topical bleach
SVOC	Semivolatile organic compound
SWMU	Solid waste management unit
TAGM	Technical Assistance Guidance Memorandum
TPH	Total petroleum hydrocarbons

LIST OF ACRONYMS

TRC	Technical Review Committee
TSD	Treatment, storage, or disposal
USACE	U.S. Army Corps of Engineers
USATHAMA	U.S. Army Toxic and Hazardous Materials Agency
UST	Underground storage tank
UXO	Unexploded ordnance
VOC	Volatile organic compound

100	100th Anniversary of the State of New York
101	101st Anniversary of the State of New York
102	102nd Anniversary of the State of New York
103	103rd Anniversary of the State of New York
104	104th Anniversary of the State of New York
105	105th Anniversary of the State of New York
106	106th Anniversary of the State of New York
107	107th Anniversary of the State of New York
108	108th Anniversary of the State of New York
109	109th Anniversary of the State of New York
110	110th Anniversary of the State of New York

1.0 INTRODUCTION

This Base Realignment and Closure (BRAC) Cleanup Plan (BCP) for the Seneca Army Depot Activity (SEDA) was prepared by Woodward-Clyde for the U.S. Army Corps of Engineers (USACE) under Contract No. DACA67-95-D-1001, Delivery Order No. 0003.

The real property associated with SEDA consists of three geographic areas that together encompass approximately 10,634 acres. The installation now known as SEDA was established in 1941 as a munitions and general purpose storage depot. In addition, the mission has included the demilitarization and destruction of munitions. Although the munitions currently stored at the installation are conventional, from the 1950s to 1993 SEDA also stored and maintained special weapons.

As a result of past waste and resource management practices at SEDA, some areas have become contaminated by various hazardous substances, contaminants, or wastes. To address these past practices, a number of environmental restoration programs have been initiated at SEDA. Current waste and resource management practices are conducted in compliance with applicable environmental laws and regulations in order to protect human health and the environment.

This BCP is a planning document that presents the status, strategy, and schedule for environmental restoration and compliance activities at SEDA. The BCP is based on the best information currently available to the U.S. Army and regulatory agencies. The information and schedules presented in this BCP were obtained from the BRAC Cleanup Team (BCT). Because it was necessary to make certain assumptions in preparing this BCP, implementation programs and cost estimates could be significantly altered if environmental conditions and/or administrative decisions change from those assumed. Such changes, if they occur, will then be reflected in updates to the BCP.

The BCP is organized into the following sections and appendices in accordance with the BRAC Cleanup Plan Guidebook (DOD 1995).

- Section 1 describes environmental restoration program objectives, explains the purpose of the BCP; introduces the BCT and project team formed to review the program; provides a brief installation history; and summarizes the site environmental setting

- Section 2 summarizes the current status of the SEDA property disposal planning process, describes the relationship of the disposal process to other environmental programs, and summarizes potential and anticipated property transfer mechanisms
- Section 3 summarizes the current status and past history of the SEDA Installation Restoration Program (IRP), environmental compliance programs, natural and cultural resource programs, community relations activities that have occurred to date, and the environmental condition of property at SEDA
- Section 4 describes the SEDA-wide strategy for environmental restoration, compliance, natural and cultural resources, and community involvement
- Section 5 provides the master schedules of planned and anticipated activities to be performed throughout the duration of the environmental restoration program, including IRP activities and natural and cultural resources, and provides a BCT meeting schedule
- Section 6 describes specific technical and/or administrative issues to be resolved and presents a strategy for resolving those issues
- Section 7 presents the references cited in this BCP

The following appendices are included in this document:

- Appendix A contains a table presenting funding requirements
- Appendix B contains a technical documents summary, which is a list of previous environmental restoration program deliverables by program and by site
- Appendix C contains summaries of decision documents for which a remedial action was selected
- Appendix D contains summaries of each decision document for each site or operable unit (OU) for which a no further action decision has been made
- Appendix E contains conceptual site model data summaries

1.1 ENVIRONMENTAL RESPONSE OBJECTIVES

The objectives of the base closure environmental restoration program at SEDA are described below.

- To conduct all IRP activities in a manner consistent with Section 120 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended by the Superfund Amendments and Reauthorization Act (SARA) and Community Environmental Response Facilitation Act (CERFA), including:
 - Protect human health and the environment
 - Comply with existing statutes and regulations
 - Meet Federal Facility Agreement (FFA) deadlines as detailed in Section 5
 - Incorporate any new sites into the FFA as appropriate
 - Complete remedial investigations (RIs) as soon as practicable for each source area, zone, or OU in an order of priority that takes into account both environmental concerns and redevelopment plans
 - Develop, screen, and select response actions (RAs) that reduce risks in a manner consistent with statutory requirements
 - Commence RAs for (1) environmental and (2) property disposal and reuse priority areas as soon as practicable
- To identify and map the environmental condition of property at SEDA concurrent with RI efforts and consider future land use when characterizing risks associated with releases of hazardous substances, pollutants, contaminants, or hazardous wastes, including:
 - Identify and map areas suitable and unsuitable for transfer by deed
 - Initiate selected response actions to control, eliminate, or reduce risks to manageable levels

This BCP was prepared with information available as of October 1996. Certain information presented in this BCP is derived from the Draft Final Seneca Army Depot Activity Environmental Baseline Survey (EBS). That document is currently undergoing review and revision. Changes to information derived from that document will be reflected in later versions of the BCP. Additional information on the site history and environmental setting can be found in the EBS.

The strategy integrates activities being performed under the IRP and associated environmental compliance programs to support full restoration of SEDA.

- Present schedules for restoration and compliance activities
- Present a comprehensive strategy for implementing response actions necessary to protect human health and the environment
- Summarize the current status of environmental restoration programs at SEDA

This BCP is intended to:

1.2 BCP PURPOSE, UPDATES, AND DISTRIBUTIONS

- Establish interim and long-term monitoring plans for RAs as appropriate
 - Conduct long-term RAs for groundwater and any necessary 5-year reviews for wastes left on-site
 - Establish priorities for environmental restoration and restoration-related compliance activities (so that property disposal and reuse goals can be met)
 - Continue efforts to identify all potential contaminated areas
 - Strive to meet reuse goals established by the service and the community
- including:
- To advise the Base Transition Coordinator of properties that are deemed suitable for transfer and properties that are not suitable for transfer because they are either not properly evaluated or pose an unacceptable human health or environmental risk,

The BCP is a dynamic document that will be updated as needed to incorporate newly obtained information and reflect the completion or change in status of any remedial actions. Updates of the BCP will be distributed to each member of the BCT, as well as additional parties identified by the BCT.

1.3 BCT/PROJECT TEAM

The SEDA BCT has been established and is led by the BRAC Environmental Coordinator (BEC). The BCT meetings are the means of conducting periodic program reviews and reaching consensus on decisions with federal and state regulators. The BCT includes representatives of the installation, the U.S. Environmental Protection Agency (EPA) Region II, and the New York State Department of Environmental Conservation (NYSDEC). The BCT is supported by a project team consisting of technical, operational, reuse, and administrative specialists, as needed. A list of the BCT and project team members and descriptions of their roles and responsibilities are provided in Table 1-1.

1.4 SITE DESCRIPTION AND HISTORY OF INSTALLATION

1.4.1 Site Description

The SEDA is located on over 10,000 acres in Seneca County, New York, in the heart of what is termed the "Finger Lakes Region." The depot is bounded on the west by New York State Highway 96A, on the east by New York State Highway 96, on the north by New York State Highway 336, and is near West Blaine Road to the south. The installation lies due west of the village of Romulus, New York, 12 miles south of the villages of Waterloo and Seneca Falls, and 2.5 miles north of the village of Ovid, New York. The city of Geneva, New York, (population 18,000) is 14 miles northwest of the depot, and the city of Ithaca, New York, (population 29,000) lies 20 miles to the southeast. The cities of Rochester and Syracuse are approximately 60 miles away.

1.4.2 Installation History and Mission

The SEDA was originally established as the Seneca Ordnance Depot (SOD) in July 1941. The facility originally encompassed about 10,600 acres in Seneca County. An airstrip from the former Sampson Air Force Base was acquired later. The North Depot Activity was consolidated with SOD in October 1961 and overall command was assumed by the Commanding Officer, SOD. In August 1963, SOD was transferred from the Chief of Ordnance to the U.S. Army Supply and Maintenance Command and renamed the Seneca Army Depot. The Seneca Army Depot was reassigned to the U.S. Army Materiel

Development and Readiness Command (DARCOM), now the U.S. Army Materiel Command, on July 1, 1966. On September 1, 1976, the U.S. Army Depot Systems Command (DESCOM) was activated with command and control over all DARCOM depots. In 1993, significant downsizing in the military led to the renaming of the depot to SEDA. The history of installation operations is summarized in Table 1-2.

Civilian employment peaked at 2,511 employees in July 1943 and reached a pre-BRAC low of 595 in 1946. During the Korean Conflict, 300 to 400 military personnel were assigned to the installation, supplemented by 803 to 1,821 civilian personnel. In the 1970s, civilian employment averaged about 700. As of September 30, 1995, SEDA employed one military and 236 civilian personnel.

At this time, SEDA encompasses 10,634 acres, and closure is its primary mission. Other missions concurrently being carried out include:

- Storage, issuance, maintenance, and demilitarization of conventional munitions
- Storage and issuance of general supplies, including hazardous materials
- Care of materials in storage for U.S. Army Reserve Command
- Strategic and critical materials storage
- Logistical support and training assistance to Army Reserve and National Guard units

The following organizations have been identified as present on-site tenant organizations:

- New York National Guard
- U.S. Coast Guard LORAN-C Transmitting Station
- Defense Finance and Accounting Service (closed May 1996)
- U.S. Army Test, Measurement, and Diagnostic Equipment Support Operations
- Defense Reutilization and Marketing Office - Romulus Branch
- U.S. Army Health Clinic
- Civilian Personnel Office

1.5 OFF-BASE PROPERTY/TENANTS

There are no off-base properties or tenants associated with the SEDA.

1.6 ENVIRONMENTAL SETTING

1.6.1 Physical Setting

The SEDA is located near Romulus, New York, approximately 40 miles south of Lake Ontario. The site is at an elevation of approximately 600 feet above mean sea level (MSL) in an uplands area that forms a divide between Cayuga Lake to the east and Seneca Lake to the west, two of the New York Finger Lakes. Most of the surrounding area is characterized by sparsely populated farmlands.

Adjacent to the facility on the east is New York State Highway 96 and on the west is New York State Highway 96A (Parsons Engineering Science 1995a). A location map is presented on Figure 1-1. A site and facility map is shown on Figure 1-2.

1.6.2 Demographics

According to the 1990 Census, 33,683 persons lived in Seneca County, New York. This figure indicates that the population has decreased by 50 people since the 1980 Census. Just under half of the county's population resides in one of five villages—Interlaken, Lodi, Ovid, Waterloo, or Seneca Falls—with the latter two villages having the largest populations. The towns nearest to the SEDA—Varick, Romulus, Ovid, and Covert—each have about 2,200 people (STV/Lyon Associates 1990).

1.6.3 Climatology

The area around SEDA is characterized as cool, with an average January temperature of 23° F and a July average of 69° F. During the summer and parts of the spring and fall, wide temperature differences occur between daytime highs and nighttime lows. Precipitation is fairly evenly distributed throughout the year, averaging about 3 inches a month. A significant amount of winter precipitation results from the proximity of Seneca Lake, Cayuga Lake, and Lake Ontario, which also help moderate the local climate. Annual snowfall averages about 60 inches. Wind directions are most commonly westerly and west-southwesterly. Although wind velocities are generally moderate, there are many days in winter months when winds are sufficient to cause blowing and drifting snow (Engineering Science 1994).

3 feet of the surface in some locations of the central and eastern portions of the installation (Parsons Engineering Science 1995a).

Soil associations found on SEDA include the Darien-Angola association that covers the main part of the installation and the Honeoye-Lima association, which is found mainly at the Lake Housing Area. The Darien-Angola association is characterized by deep to moderately deep, somewhat poorly drained soils that have a silty clay loam and clay loam subsoil. Honeoye-Lima association soils are deep, well-drained soils that have a heavy silt-loam to heavy loam subsoil (Parsons Engineering Science 1995a).

1.6.6 Hydrogeology

Within Seneca County, four distinct hydrogeologic units have been identified: two distinct shale formations, a series of limestone units, and unconsolidated glacial drift. Groundwater in the county is minimally acceptable for use as potable water because it is very hard. About 95 percent of the groundwater wells in Seneca County are used for domestic or agricultural purposes, and about 5 percent are used for commercial, industrial, or municipal purposes. Seneca Falls and Waterloo, the two largest communities in the county, both use surface water as municipal supplies, specifically Cayuga Lake and the Seneca River, respectively. Ovid and Interlaken villages both use groundwater for public supplies. Ovid, which is located about 5 miles south of SEDA, obtains water from two shallow, gravel-packed wells located within a quarter-mile of the center of the village. Interlaken is located about 11 miles south of SEDA; its primary water supply is from a well located about 1½ miles northeast of the village center. Two wells located about 1½ miles southwest of the village are used as backup supplies (Parsons Engineering Science 1995a).

Three geologic units are used to produce water for both domestic and agricultural purposes. These units are a bedrock aquifer of predominantly shale, an overburden deposit that includes the glacial till, and a deep aquifer within beds of limestone. Because it is between 100 and 700 feet deep, the limestone source is the least used of the three for water supply. The shale aquifer is the most common source, with the glacial till aquifer as an intermediate source (Parsons Engineering Science 1995a).

Water flow in the unconsolidated glacial till deposits aquifer would be expected to trend in a direction consistent with the ground surface elevations. There is information suggesting that a groundwater divide exists about halfway between Cayuga Lake and Seneca Lake. The SEDA is located on the western slope of this divide, and groundwater would thus be expected to flow toward Seneca Lake to

the west. This has been confirmed during environmental studies conducted at SEDA (Parsons Engineering Science 1995a).

1.7 HAZARDOUS SUBSTANCES AND WASTE MANAGEMENT

PRACTICES

1.7.1 Hazardous Substance Activities

Approximately 4,010 acres at SEDA are used to store ammunition, special weapons, pyrotechnics, and munitions-related items. A total of 455 storage igloos and eight standard magazines are located within the ammunition storage area. Six warehouses are also used to store ammunition. There are another 64 igloos in the Special Weapons Area (STV/Lyon Associates 1990).

More than 470,000 gallons of various grades of fuel oil are stored throughout the depot. All aboveground storage tanks (ASTs) are diked to contain spills, and aprons around the fill spouts of all underground storage tanks (USTs) have been constructed. The depot maintains a current Spill Control and Countermeasure Plan and an Installation Spill Contingency Plan (STV/Lyon Associates 1990).

Piles of chromite ore have been stored at several locations within the installation since the 1940s. Some piles are on the ground and others rest on concrete pads. Several piles of silicon carbide have been stored at the installation since 1956. These piles rest on hard storage pads and are covered with sheets of roofing material.

Columbite ore (a mixture of the oxides of iron, manganese, niobium, and tantalum) was stored in Buildings 324 and 357 beginning in 1954. In 1973, Building 324 was swept out after the ore was transferred to Building 357. The ore was removed from SEDA in 1993. Neither niobium nor tantalum has any naturally occurring radioactive isotopes, but radium-226 and thorium-232 are usually present as impurities. Moreover, radon-222 was produced and concentrated in the unventilated warehouse, Building 357. A 1977 U.S. Army Environmental Hygiene Agency survey indicated that the radon-222 concentration varied from 0.92 to 3.12 picocuries per liter (pCi/l) in Building 357. Outside the building, the concentration was 0.23 pCi/l. The maximum permissible concentration of radon-222 in an unrestricted area is 4.0 pCi/l (STV/Lyon Associates 1990).

Fibrous asbestos ore is currently stored in Tank Number 88 at the tank farm. Asbestos, previously stored in some of the other tanks, was shipped to other General Service Administration warehouses in the 1960s (USATHAMA 1980). Other materials that are known to have been stored in the tank farm include antimony, rutile, and silicon carbide.

In the 1940s, 11 of the igloos (EO801-EO811) in the ammunition area were used for the storage of pitchblende ore. After the ore was removed, the igloos were used to store conventional munitions until 1976. Although there has been a remediation effort in this area, there is still outstanding concern about radiological contamination; this area is one of the recognized solid waste management units (SWMUs) (SEAD-48) (Engineering Science 1994; STV/Lyon Associates 1990).

Industrial operations at SEDA include the restoration of industrial production equipment and military cargo vans and the upkeep of installation vehicles and equipment, in addition to the maintenance, storage, deployment, and demilitarization of ammunition. Typical operations include degreasing, spray painting, steam cleaning, alkaline washing, boiler plant maintenance, welding and soldering, filling and charging batteries, woodworking, machining, grinding, paint removal, lubricating and tuning vehicles, and preservative coating of metals (USATHAMA 1980).

Vehicles and equipment are periodically steam cleaned and washed in Buildings 360 and 118 (and formerly in Building 732). Liquid residue from the wash racks flows through oil and grease separators prior to discharge into the sanitary sewer system. A wash rack and oil separator for the steam cleaning operation in Building 317 has been added. Degreasing operations are conducted in Buildings 117, 118, 316, 317, 318, and 321. Solvents used in these processes have been stored in drums or mixed with used oils and hydraulic fluids. Solvents have been distilled and reused in industrial production equipment in the past.

Batteries are sent to Building 117, where the alkalies and acids are drained from the casing and neutralized. The pH is rechecked before the spent liquid is discharged into the sanitary sewer system. The casings are resold by the Defense Reutilization Marketing Office.

Used motor oil was mixed with #6 fuel oil and burned in the three boiler houses (Buildings 120, 319, and 718) until the 1980s. After that time, Buildings 120 and 319 no longer burned the used motor oil mixture. However, Building 718 had one of its boilers retrofitted to burn used motor oil without

**TABLE 1-1
CURRENT BCT/PROJECT TEAM MEMBERS**

NAME	AFFILIATION	TELEPHONE NUMBER	ROLE/ RESPONSIBILITY
BCT Members			
Stephen Absolom	Eng & Env Div	(607) 869-1309	BRAC Environmental Coordinator
Carla Struble	EPA, Region II	(212) 637-4322	EPA BRAC Project Manager
Kamal Gupta	NYSDEC	(518) 457-3976	State BCT Representative
LTC Stephen Brooks	SEDA Cmd Group	(607) 869-1206	SEDA Commander
Bruce Johnson	SEDA Cmd Group	(607) 869-1771	SEDA CEA
G. Michael Windle	SEDA Cmd Group	(607) 869-1771	SEDA Dir/IM
Project Team Members			
John Buck	USAEC	(410) 671-6823	AEC Representative
Randy Nida	IOC	(309) 782-4007	HQ Representative
Keith Hoddinott	CHPPM	(410) 671-5209	Surgeon General Representative
Kevin Healy	USACE	(205) 895-1469	USACE Tech Support
Dorothy Richards	USACE	(205) 895-1469	USACE Contract Project Manager
Pete Cunanan	USAMC	(703) 274-2324	HQ Representative
Robert Scott	NYSDEC, Region 8	(716) 226-2466	State Region Representative
Dan Geraghty	NYSDOH	(518) 458-6309	Health Dept. Representative
Diane DeMuth	SEDA LRA	(607) 869-1373	LRA Liaison
Randy Battaglia	USACE, SEDA Resident Office	(607) 869-1523	On-site USACE Project Manager
Jerry Whitaker	Base Transition Coordinator	(607) 869-1235	Installation Liaison
Joanne Ogden	SEDA Legal Office	(607) 869-1447	Installation Legal Support
Beverly Lombardo	SEDA Public Affairs Officer	(607) 869-1343	Installation Public Affairs
Thomas Enroth	SEDA Environ Div	(607) 869-1450	Restoration
Janet Fallo	SEDA Environ Div	(607) 869-1450	Restoration
Thomas Grasek	SEDA Environ Div	(607) 869-1532	Compliance
Mark Paprocki	SEDA Environ Div	(607) 869-1519	Compliance
Michael Stofka	SEDA Environ Div	(607) 869-1532	Compliance/Natural Resources
Edward Miller	SEDA Environ Div	(607) 869-1532	Compliance
Richard Newill	Woodward-Clyde	(303) 740-2605	BCP Coordinator

Notes:

AEC: Army Environmental Center
 BCP: BRAC Cleanup Plan
 BCT: BRAC Cleanup Team
 BRAC: Base Realignment and Closure
 CHPPM: U.S. Army Center for Health Promotion and Preventative Medicine
 EPA: U.S. Environmental Protection Agency
 HQ: Headquarters
 IOC: Industrial Operations Command
 LRA: Local Redevelopment Authority
 NYSDEC: New York State Department of Environmental Conservation
 NYSDOH: New York State Department of Health
 SEDA: Seneca Army Depot Activity
 USACE: U.S. Army Corps of Engineers
 USAEC: U.S. Army Environmental Center
 USAMC: U.S. Army Materiel Command

**TABLE 1-3
SUMMARY OF PERMITTED HAZARDOUS WASTE MANAGEMENT FACILITIES**

FACILITY	ACTIVITY	WASTE MATERIALS	GENERATION RATE	DISPOSITION
Building 307	Storage	Drums containing hazardous wastes	Variable	Off-site disposal
Building 301	Storage	Transformers and other PCB items	Variable	Off-site disposal
Building 367	Incineration	Ammunition up to 50 caliber	Closed	Interim closure 1988 for modifications and upgrading; future status unknown
Building 803	Storage	Mixed wastes	Variable	Off-site disposal
Open Burning/Open Detonation Grounds	Thermal treatment	Ammunition and powders unsafe for treatment	Variable	Thermal treatment

Note: Polychlorinated biphenyl
PCB:

U.S. GEOLOGICAL SURVEY
 STATE OF NEW YORK
 PROJECT E99185D
 DATE 10/19/93
 SCALE 8:10

SENECA ARMY DEPOT
 ACTIVITY
 NEW YORK
 PROJECT NO. E99185D

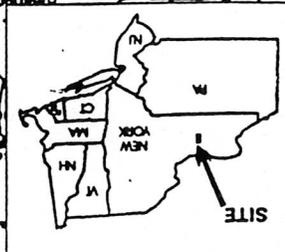
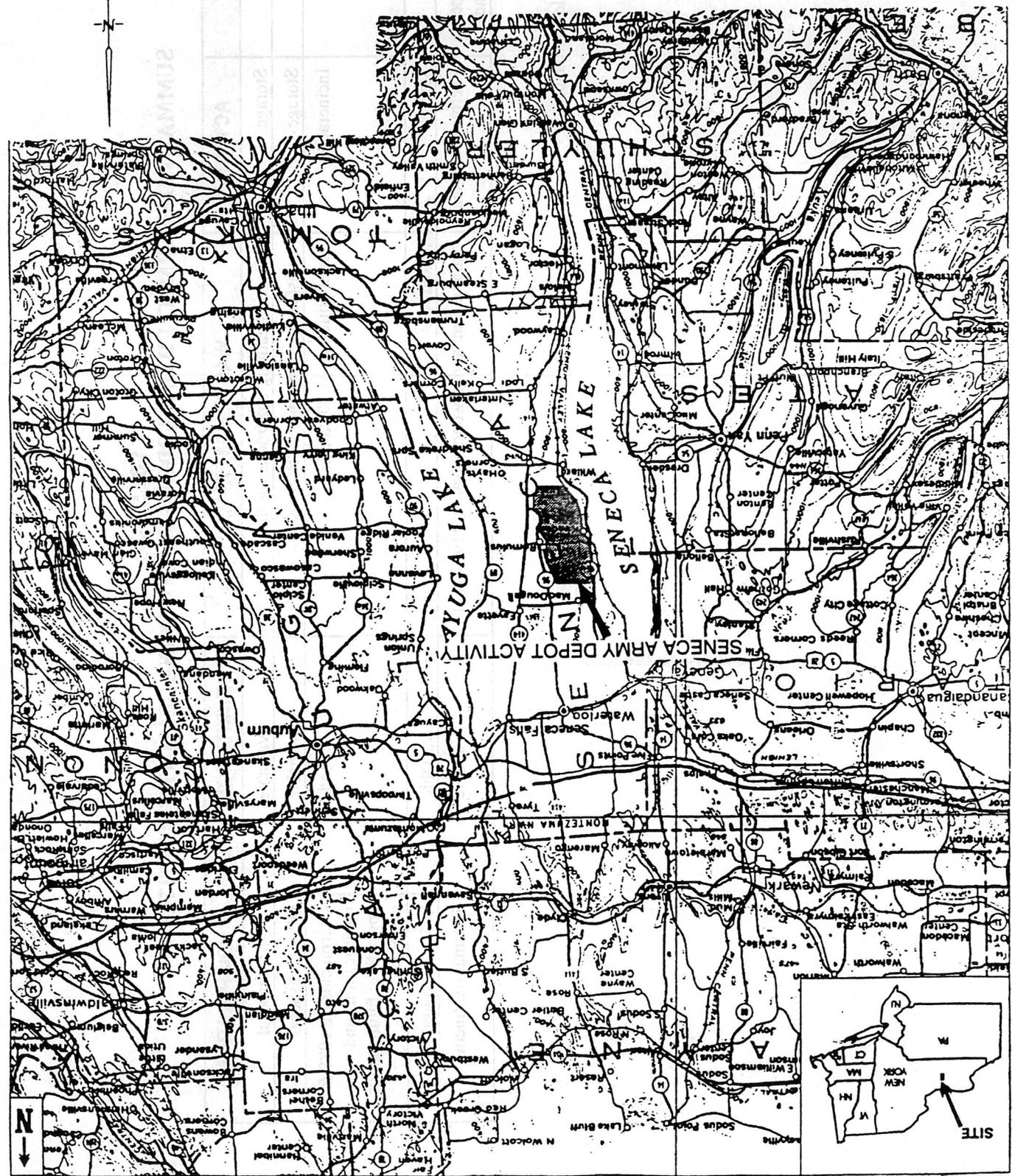
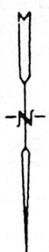
Woodward-Clyde

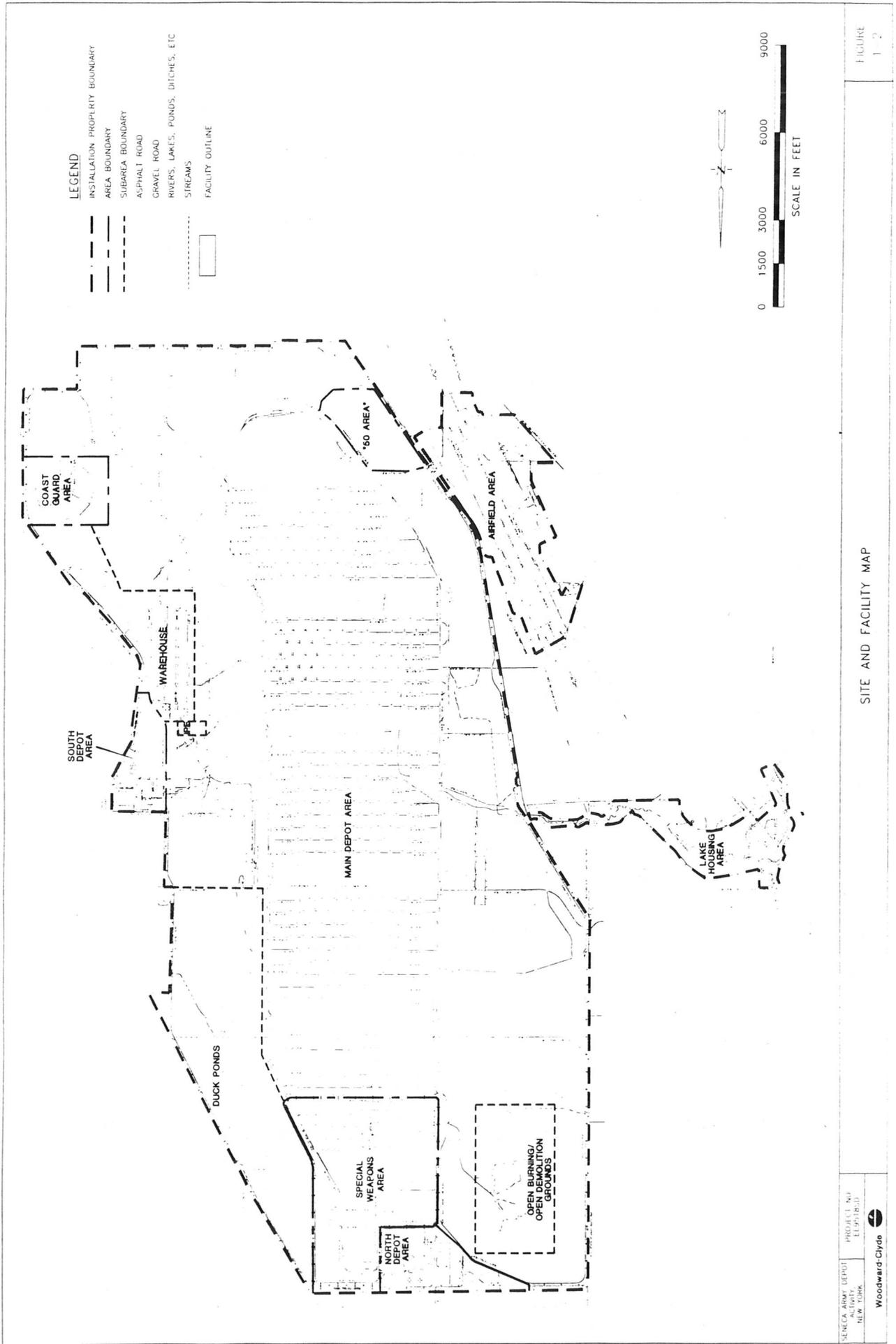
SITE LOCATION MAP

FIGURE 1-1

ADAPTED FROM: PARSONS ENGINEERING SCIENCE, INC.
 SENECA ARMY DEPOT GENERIC INSTALLATION RI/FS
 WORKPLAN, 1995

SCALE: 1" = 8 MILES





SITE AND FACILITY MAP

2.0 PROPERTY DISPOSAL AND REUSE

This section describes the status and strategy for real property disposal, as well as the relationship between environmental cleanup efforts and anticipated or known property transfer methods.

2.1 STATUS OF DISPOSAL PLANNING PROCESS

The SEDA's Local Redevelopment Authority (LRA) is preparing a draft reuse plan. This plan is scheduled to be released in October 1996. Approximately 18 months after the publication of the draft reuse plan, a draft Environmental Impact Statement (EIS) will be produced. Approximately 12 months after implementation of the final reuse plan, the EIS will be finalized. Proposed reuses and area designations are summarized in Table 2-1.

2.2 RELATIONSHIP TO ENVIRONMENTAL PROGRAMS

Disposal and reuse planning at SEDA are linked with environmental investigation, restoration, and compliance programs and activities for two reasons:

- Federal property transfers to nonfederal parties are governed by CERCLA Section 120(h)(3)(B)(i)
- Residual contamination may remain on certain properties after RAs have been completed, thereby restricting future use of those properties

If any method of transfer other than federal agency to federal agency is considered at SEDA, the transfer will be governed by CERCLA. Section 120(h)(3)(B)(i) of CERCLA requires that deeds for the federal transfer of previously contaminated property contain a covenant stating that all remedial actions necessary to protect human health and the environment have been taken. This deed requirement applies only to property on which a hazardous substance was stored for one year or more or is known to have been disposed of or released. Thus, any required remedial actions and/or removal response actions must be selected and implemented for such contaminated properties before transfer to private parties can occur. This applies to areas identified in the Solid Waste Management Classification Study and the EBS, as well as to any other areas of contamination.

Environmental restoration program strategies for SEDA will be factored into disposal and reuse decisions to address the possibility of residual contamination and the need for institutional controls. Contaminant levels that may prohibit unlimited use and unrestricted exposure will constrain and/or dictate future land use in those areas. This information will assist in determining areas of unlimited use and exposure. The requirements for complying with CERCLA Section 120(h)(3)(B)(i) and the possibility of residual contamination will be factored into the property disposal and reuse process.

The strategy and schedule for SEDA presented in this document are designed to streamline and expedite the necessary response actions associated with contaminated parcels identified at the installation, in order to facilitate the earliest possible disposal and reuse. Because of the need to differentiate between areas suitable for transfer and those that are not, a map was developed showing the environmental condition of property using data from the base-wide EBS (see text and figures in Section 3.4). This map depicts contaminated areas and areas of no suspected contamination. Figure 2-1 correlates the environmental condition of property to disposal and reuse of the parcels.

2.3 PROPERTY TRANSFER METHODS

This section describes the various transfer methods that may be considered in the disposal process at SEDA. These transfer methods were identified from U.S. Army BRAC disposal protocols established by Public Law 100-526, the Federal Property and Administration Services Act, the Surplus Property Act, the Federal Property Management Regulations, and the 1994 Defense Authorization Act. The status of each of the transfer methods is identified. Transfer methods that are not currently being considered but that could be used in the future have also been identified.

2.3.1 Federal Transfer of Property

The current plan for the LORAN-C area is a federal transfer to the U.S. Coast Guard.

2.3.2 No-Cost Public Benefit Conveyance

The current plan for property transfer and reuse at SEDA may include no-cost public conveyance.

2.3.3 Negotiated Sale

The current plan for property transfer and reuse at SEDA may include property to be transferred by the method of negotiated sale.

SECTION TWO

PROPERTY DISPOSAL AND REUSE

2.3.4 Widening of Public Highways

The current plan for property transfer and reuse at SEDA does not identify any property to be transferred for the purpose of widening of public highways.

2.3.5 Donated Property

The current plan for property transfer and reuse at SEDA does not identify any property to be transferred by donation.

2.3.6 Interim Leases

The current plan for property transfer and reuse at SEDA may include interim leases to facilitate expedited reuse.

2.3.7 Competitive Public Sale

The current plan for property transfer and reuse at SEDA may include property to be transferred by competitive public sale.

3.0 INSTALLATION-WIDE ENVIRONMENTAL PROGRAM STATUS

This section summarizes the current status of environmental restoration projects and ongoing compliance activities at the SEDA. It also summarizes the status of community involvement to date and describes the environmental condition of BRAC parcels and their suitability for transfer.

3.1 ENVIRONMENTAL PROGRAM STATUS

This section presents the status of the SEDA environmental program for restoration sites and installation-wide source discovery and assessment status. Table 3-1 summarizes the status and priority of the study areas that have undergone at least one phase of site or remedial investigations. Table 3-2 summarizes sites that have undergone remediation and/or an early action.

3.1.1 Restoration Sites

Seventy-two sites were classified as SWMUs in the final Solid Waste Management Classification Study completed in 1994 (Engineering Science 1994). A map showing the locations of the SWMUs is included as Figure 3-1. Of these 72 sites, 24 have been classified as requiring no action; 20 as requiring removal action or completion report/Record of Decision (ROD); and 28 as requiring remedial investigation/feasibility study (RI/FS), remedial action, and ROD. The 28 sites requiring an RI/FS are divided into 13 groups, and RIs are final at two of these: one is the Ash Landfill site (SEADs-3, -6, -8, -14, and -15), where an interim remedial measure has been completed to clean the source of contamination; additional work may be needed for groundwater and soils. The other is the Open Burning Grounds (SEAD-23). The Ash Landfill FS has not been finalized pending discussions on appropriate remedial alternatives. Four new groups of RIs are planned, and it is likely that all of the remaining groups will require the full CERCLA process (Headquarters, SEDA 1995). All 72 of the recognized SWMUs are listed in Table 3-1.

Past spills of petroleum products and hazardous materials have been reported to the NYSDEC. Most of these involved small quantities of material and were quickly cleaned up. In 1988, a leak of 3,500 gallons of fuel oil from the heating plant, Building 718, entered the North Depot Sewage Treatment Plant (Building 715). The oil was contained in the plant's sludge holding tank and subsequently cleaned up. No violations were listed for this spill, which was inspected by several New York state environmental officials (STV/Lyon Associates 1990).

The EBS field investigation identified an additional 21 potential Areas of Concern (AOCs). These areas involve spills of hazardous substances, petroleum products, and raw sewage; training ranges; and dumping and burial areas. These concerns formed the basis for the designation of corresponding BRAC parcels in the EBS report. These sites will have to be classified in the same fashion as the other SWMUs and programmed into the installation's restoration program.

3.1.2 Installation-Wide Source Discovery and Assessment Status

Ongoing source discovery includes investigating new potential areas of concern identified during the EBS. The presence of possible contamination areas was considered in developing BRAC parcels, as described in Section 3.4 of the BCP.

3.2 COMPLIANCE PROGRAM STATUS

This section presents the status of compliance program activities at SEDA and non-CERCLA-related issues, including storage tanks, hazardous materials/waste management, solid waste management, PCBs, asbestos, radon, Resource Conservation and Recovery Act (RCRA) facilities (SWMUs), National Pollutant Discharge Elimination System (NPDES) permits, oil/water separators, unexploded ordnance (UXO), pesticides, lead-based paint (LBP), and air quality.

3.2.1 Storage Tanks

A total of 139 USTs are present at SEDA, and all of the tanks are in compliance with New York State Petroleum Bulk Storage (PBS) regulations. The depot's PBS number is 8-416118. Of the 139 USTs, 48 are currently in use, 90 are temporarily inactive and are being monitored monthly under an agreement with NYSDEC to avoid having to permanently close them after 60 days; and one is permanently closed in place. There are nine tanks that currently meet 1998 UST standards (i.e., double-wall construction or corrosion protection, leak detection, and overflow spill prevention) specified under 40 Code of Federal Regulations (CFR) 280, and 130 tanks that do not meet the standards. Of these 130 tanks, the majority are exempt oil tanks used only for heating, and the remainder require upgrades or permanent closure prior to 1998. Underground storage tanks at SEDA are summarized in Table 3-3.

The size of these USTs varies from 500 gallons to 30,000 gallons. Six types of petroleum are stored in USTs: gasoline for vehicle fuel, diesel for vehicle and emergency generator fuel, #6 fuel oil for heating

SECTION THREE**INSTALLATION-WIDE ENVIRONMENTAL PROGRAM STATUS**

in the three main steam plants, #2 fuel oil for heating in various buildings, JP-8 for refueling various aircraft, and used motor oil.

A total of 76 aboveground petroleum storage tanks presently comply with New York State PBS regulations. Sixty of these are currently in use and 16 are temporarily inactive. Aboveground storage tanks at the SEDA are summarized in Table 3-4.

The size of the aboveground tanks varies from 185 gallons to 60,000 gallons. Four types of petroleum are stored in ASTs: gasoline for motor fuel, diesel for emergency generator fuel, #2 fuel oil for heating in various buildings, and used motor oil.

3.2.2 Hazardous Materials/Waste Management

The SEDA is a RCRA interim permitted treatment, storage, or disposal (TSD) facility and is considered a large generator. The depot is inspected annually by NYSDEC for compliance with RCRA. The latest inspection was on October 10, 1996, and no deficiencies were noted.

Hazardous wastes are accumulated or stored at various accumulation sites around the depot for less than 90 days. After that time they are moved to one of three RCRA-permitted hazardous waste storage areas. Waste streams include pesticides, acids, caustics, solvents, paints and paint sludges, oils, grease, fuels, antifreeze, adhesives, PCBs, and mixed wastes. Building 301 is used to store PCB-contaminated electrical equipment. Building 307 is used to store all other listed wastes except the mixed waste, which is stored in Building 803. Once the wastes are moved into the appropriate storage areas and buildings, the necessary paperwork is completed, and the wastes are transported and disposed of off-site by a contractor.

3.2.3 Solid Waste Management

There are no active landfills currently in operation at SEDA. All solid waste is collected and disposed of at a licensed off-base landfill by a local contractor.

3.2.4 Polychlorinated Biphenyls

A log of all transformers at SEDA has been initiated. This log should be complete by the end of fiscal year 1998.

3.2.5 Asbestos

During the last asbestos survey, which occurred from 1989 to 1991, 86 public buildings and 129 family housing units were determined to contain asbestos-containing material (ACM). Over the years, the installation has had numerous asbestos abatement projects performed on many of these buildings. An Asbestos Management Plan has been implemented, and reinspection of these buildings began in 1996 to determine the presence and the condition of the remaining ACM. This survey is scheduled to be completed in 1997.

3.2.6 Radon

Three hundred and eight buildings have been tested for radon at SEDA, including all housing and high-priority structures, all office structures, and warehouse structures. The average results for all buildings tested was 3.1 pCi/l. It was determined that two buildings (B115 and B2516) currently exceed the 4.0 pCi/l threshold.

3.2.7 RCRA Facilities

Seneca Army Depot Activity has a RCRA interim permit for Satellite Accumulation Areas for temporary storage and for six TSD units. Three of these TSD facilities, Buildings 307, 301, and 803, are container storage facilities permitted for storing waste longer than 90 days. Other TSD units are the Deactivation Furnace (Building 367), the Open Burning Grounds, and the Open Detonation Grounds. These RCRA permits remain on interim status.

Building 307, the Hazardous Waste Storage Facility, stores spent solvents, still bottoms from vapor degreasers, sludge from oil/grease separators, cleaning compounds, paper filters from paint spray booths, spent battery acids, and PCB fluids drained from transformers stored in Building 301. Hazardous waste is temporarily stored at Satellite Accumulation Areas and transferred in 55-gallon drums to Building 307. The maximum permitted storage capacity at Building 307 is 150 drums (single stack).

Building 301, the PCB Storage Facility, stores PCB-containing, oil-filled transformers and electrical components, as well as empty carcasses of transformers that formerly held PCB-containing oils. The fluid drained from these transformers is stored in Building 307.

SECTION THREE**INSTALLATION-WIDE ENVIRONMENTAL PROGRAM STATUS**

Building 803, the Mixed Waste Storage Facility, stores paper wipes contaminated with various solvents (F-listed solvents, including trichloroethene, toluene, acetone, freon, and isopropyl alcohol) and segregated by solvent type, double-bagged, and contained in 55-gallon open-top drums. Low-level radioactive components are also stored. The maximum permitted storage capacity for Building 803 is 96 drums in four vaults, or 24 drums per vault.

Building 367, the Deactivation Furnace, incinerates obsolete and unserviceable ammunition. Residuals from incineration are collected in dust bags, tested for barium and lead, placed in 55-gallon drums, and transferred to Building 307 for storage.

The Open Burning and Open Detonation Grounds are used for burning and detonating ammunition that cannot be destroyed in Building 367. Ash from open burning is collected, tested, and if necessary transferred to Building 307 for storage.

3.2.8 NPDES Permits

The Federal Water Pollution Control Act and subsequent amendments require a permit for any discharge of pollutants into waters. Under Section 402 of the Act, NPDES Permit No. NY0021296 was issued to SEDA for the discharge of effluent from Sewage Treatment Plants #4, #314, and #715 into the waters of Kendaia Creek and Reeder Creek.

3.2.9 Oil/Water Separators

Currently, oil/water separator compliance is monitored under the NPDES program.

3.2.10 Unexploded Ordnance

Information on the potential presence of UXO at SEDA was available from the following sources: (1) The Solid Waste Management Classification Study (Engineering Science 1994), which was used to identify buildings or areas in SWMUs potentially containing UXO; (2) the Installation Restoration Management Program database, which was used to identify potential UXO based on building and area names; and (3) on-site interviews and visual inspections. Forty-two buildings, ten areas, and all 519 igloos were identified as possibly containing UXO that was stored for use or disposal and as areas containing possible surface or buried UXO, based on previous testing, dismantling, or deactivation of UXO. The area is 1,303.24 acres.

3.2.11 Biocide Use

The SEDDA currently uses biocides to control grasses and weeds for railroad right-of-way, fencelines, igloos, and loading docks. This work is currently being contracted to various providers because the depot no longer has the personnel to apply biocides. There is also a contract in place to handle mice and rats, bees, cockroaches, problem animals, and other similar pests. Round-up and Arsenal are the brands of biocides used for weed and grass control.

3.2.12 Lead-Based Paint

Lead-based paints were historically used at the installation, and presently the number of buildings that contain LBP is unknown. An inspection of all buildings, including family housing facilities, was started in 1996 by SEDDA's two trained LBP inspectors/hazard evaluators to determine the presence and condition of LBP at SEDDA.

3.2.13 Air Quality

The SEDDA is within a non-attainment area because of the Northeast Ozone Transport Region. The installation presently has 22 air emissions point sources, 13 of which are active and nine inactive. These point sources are registered with the NYSDEC under Air Permit No. 453089-0046. The operating permits include seven for smoke from the combustion of fuel oils and two for smoke from the burning of classified documents. The remaining 13 sources are for ventilation of seven paint booths, a battery storage and charging area, a woodworking shop, three abrasive blasting booths, and one vapor degreaser. All of these emission point sources are presently in compliance with their operating permits. The depot has an EPA-certified visible-emissions evaluator who periodically checks these permitted sources for compliance with the opacity requirements of their operating permits.

3.3 STATUS OF NATURAL AND CULTURAL RESOURCES

The status of the following natural and cultural resources programs is summarized in this section: threatened and endangered species; wetlands; and surface waters.

3.3.1 Threatened and Endangered Species (Federal and State)

The SEDDA is in the process of conducting an endangered species survey. This work is being performed through the U.S. Fish and Wildlife Service in conjunction with Cornell and Syracuse

SECTION THREE**INSTALLATION-WIDE ENVIRONMENTAL PROGRAM STATUS**

Universities. The draft report is expected by December 1996. At that time, Table 3-5 and Figure 3-3, which will summarize rare, threatened, or endangered plant and animal species, will be completed.

3.3.2 Wetlands

The SEDA has conducted a wetlands survey to delineate all the wetlands on the installation. The airfield and the Lake Housing Area were not included in this survey. The survey was conducted in 1994 and 1995, with the final report completed in December 1995. A total of 87 wetlands totaling 496 acres were identified at SEDA. Wetland locations are shown on Figure 3-2.

3.3.3 Surface Waters

The SEDA has four creeks that flow off of the installation: Silver Creek, Indian Creek, Kendaia Creek, and Reeder Creek.

3.3.4 Traditional Resources

The SEDA completed a timber inventory in 1995. The inventory totaled over 3 million board-feet of various timber on the installation, which is valued at approximately \$805,000 based on 1995 prices.

3.3.5 Cultural Resources

The current status of management programs for historical and archaeological resources that may be present at SEDA are described in this section.

A historical property inventory list for SEDA was prepared in 1986. The list indicates that there is one significant historical structure at SEDA.

The USACE, Fort Worth District, has reviewed the existing cultural documentation related to SEDA in support of the Disposal and Reuse EIS for the BRAC Parcel. After this review, the USACE, Fort Worth District, will provide recommendations to the depot on additional historic preservation documentation and management that should be completed.

A complete archaeological survey of SEDA has not been conducted to date. The historical property inventory review conducted in 1986 included a limited archaeological study.

Category 2. Areas where only storage of hazardous substances in amounts exceeding their reportable quantity or petroleum products exceeding 600 gallons has occurred, but no release, disposal, or migration has occurred.

Category 1. Areas where no storage for one year or longer, release, or disposal of hazardous substances or petroleum products has occurred (including no migration of these substances from adjacent properties). Additionally, an area where no evidence exists for the release, disposal, or migration of hazardous substances or petroleum products; however, the area has been used to store less than reportable quantities of hazardous substances (40 CFR 302.4) or 600 or fewer gallons of petroleum products.

The seven standard "environmental condition of property" categories, as defined in the Department of Defense (DOD) CERFA guidance and the BCP Guidebook, are as follows:

During the EBS, SEDA was divided into BRAC parcels that represent the environmental condition of the property. The BRAC parcels and corresponding categorizations are identified on the CERFA map (Figure 3-4). Areas containing or potentially containing non-CERCLA substances are identified and delineated separately as qualified parcels. Qualified parcels overlay all environmental condition of the property categories (Categories 1 through 7).

The following discussion is based on the Draft Final EBS, which is currently under review and revision. This section, as well as other portions of the BCP based on the Draft Final EBS, will be updated in subsequent versions of the BCP, based on the revised EBS information.

3.4 ENVIRONMENTAL CONDITION OF PROPERTY

The cultural resources program review recently conducted by the USACE, Fort Worth District, to support the Disposal and Reuse EIS included an evaluation of archaeological investigation and documentation efforts at SEDA. Recommendations on additional archaeological investigations and management actions necessary for SEDA are being prepared by the USACE, Fort Worth District, and will be passed on to SEDA.

SECTION THREE**INSTALLATION-WIDE ENVIRONMENTAL PROGRAM STATUS**

Category 3. Areas where storage, release, disposal, or migration of hazardous substances or petroleum products has occurred, but at concentrations that do not require removal or remedial action.

Category 4. Areas where storage, release, disposal, or migration of hazardous substances or petroleum products has occurred, and all removal or remedial actions to protect human health and the environment have been taken.

Category 5. Areas where storage, release, disposal, or migration of hazardous substances or petroleum products has occurred, and removal or remedial actions are underway, but all required actions have not yet been implemented.

Category 6. Areas where storage, release, disposal, or migration of hazardous substances or petroleum products has occurred, but required removal or remedial actions have not yet been initiated.

Category 7. Areas that are not evaluated or require additional evaluation.

Each BRAC parcel was given a number to which appropriate descriptive labels are attached. The numbers consist of a unique parcel identification number and an environmental condition of the property category number. The labels contain a designation describing the type of contamination or storage, if applicable. The following designations indicate the type of contamination or storage present in a parcel:

PS = Petroleum storage

PR = Petroleum release or disposal

HS = Hazardous substance storage

HR = Hazardous substance release or disposal

A 25-acre grid coordinate system is overlaid on Figure 3-4 to facilitate the following parcel discussion by geographically locating the various parcels. Parcel boundaries were drawn using the best available information regarding the extent of contamination and do not follow map grid lines.

Table 3-6 summarizes the BRAC parcel descriptions. The BRAC parcels in this table are presented in order by CERFA category. A brief summary of the CERFA parcels is provided in the following sections.

3.4.1 Areas Where No Storage, Release, or Disposal Has Occurred

Woodward-Clyde's survey and subsequent parcelization of the Seneca Army Depot Activity identified four parcels, an estimated 8,563.36 acres, as Category 1 parcels. The Category 1 parcels and their locations on Figure 3-4 are described in the following sections.

BRAC Parcel Number and Label 1(1)

CERFA Map Location 18,6

This parcel is most of the Lake Housing Area, with the exclusion of the housing area itself. This parcel consists of the area between the housing and the highway. The housing area is excluded from this parcel and placed in Parcel 5(2) because it is associated with petroleum storage activities. The parcel is designated as a Category 1 parcel because there has been no documented storage of hazardous substances or petroleum products; nor is there evidence of release, disposal, or migration from an adjacent property of hazardous substances or petroleum products within the identified area.

BRAC Parcel Number and Label 2(1)

CERFA Map Location 26,10

This parcel is most of the Airfield Area, with the exclusion of those areas that are otherwise identified. The parcel is designated as a Category 1 parcel because there has been no documented storage of hazardous substances or petroleum products; nor is there evidence of release, disposal, or migration from an adjacent property of hazardous substances or petroleum products within the identified area.

BRAC Parcel Number and Label 3(1)

CERFA Map Location 16,15

This parcel is most of the Main Depot, South Depot, Coast Guard, and North Depot Areas, with the exclusion of those areas that are otherwise identified. The parcel is designated as a Category 1 parcel because there has been no documented storage of hazardous substances or petroleum products; nor is there evidence of release, disposal, or migration from an adjacent property of hazardous substances or petroleum products within the identified area.

BRAC Parcel Number and Label 4(1)**CERFA Map Location 19,24**

This parcel is the small area within the Elliot Acres Housing Area. The parcel is designated as a Category 1 parcel because there has been no documented storage of hazardous substances or petroleum products; nor is there evidence of release, disposal, or migration from an adjacent property of hazardous substances or petroleum products within the identified area.

3.4.2 Areas Where Only Storage Has Occurred

Of the 10,634 acres that comprise the Seneca Army Depot Activity BRAC property, 39 parcels, approximately 119.6 acres, were designated as Category 2. The Category 2 parcels are identified on Figure 3-4 and summarized in the following sections.

BRAC Parcel Number and Label 5(2)PS/HS**CERFA Map Locations 17,2**

This parcel is associated with 26 petroleum USTs and 35 ASTs located at the Lake Housing Area (Buildings 2401, 2403, 2404, 2406, 2408, 2410, 2411, 2412, 2414, 2415, 2418, 2419, 2421, 2423, 2425, 2426, 2427, 2429, 2432, 2437, 2438, 2441, 2443, 2448, 2450, 2452, 2453, 2456, 2485, 2491 through 2523) and hazardous storage at Building 2456. State Reg. Nos. (SRNs) 141 to 144, 146 to 156, 158 to 164, and 166 are all 550-gallon fuel oil USTs that have been in service since 1942. State Reg. Nos. 3, 14, 22, 27, 54, 60, 63, 67, 173, 186, 189, 191 to 193, 199, 204 to 209, and 216 to 224 are all 275-gallon fuel oil ASTs that have been in service since 1988. State Reg. No. 71 is a 1,000-gallon fuel oil UST that has been in service since 1981. State Reg. No. 72 consists of two 275-gallon fuel oil ASTs that have been in service since 1942. State Reg. No. 73 is a 2,000-gallon fuel oil AST that has been in service since 1992. State Reg. No. 145 consists of two 275-gallon fuel oil ASTs that have been in service since 1991. State Reg. No. 165 is a 285-gallon fuel oil AST that has been in service since 1992. State Reg. No. 156 is a 500-gallon fuel oil UST that has been in service since 1986. State Reg. No. 174 is a 550-gallon gasoline AST that has been in service since 1991. State Reg. No. 184 is a 1,500-gallon fuel oil UST that has been closed in place with NYSDEC approval. There have been no documented releases associated with these USTs or ASTs. Building 2456 is a boathouse that is used for the storage of paints and solvents. A visual inspection during the 1995 EBS

did not uncover any evidence of a release, nor is there any record of a release associated with this building. This parcel is designated as a Category 2 parcel.

BRAC Parcel Number and Label 6(2)PS
CERFA Map Location 28,10

This parcel is associated with a UST located at Building 2310 in the Airfield Area. This UST (SRN 185) is used to store 30,000 gallons of JP-8 and has been in service since 1990. Visual inspection of the area did not reveal any evidence of contamination or release, and there is no record of any release. This parcel has been designated as Category 2.

BRAC Parcel Number and Label 7(2)PS
CERFA Map Location 28,10

This parcel is associated with an AST located at Building 2306. This AST (SRN 30) is used to store 1,000 gallons of fuel oil and replaced a UST that was removed in August 1996. A visual inspection of the area did not reveal any evidence of contamination or release, and there is no record of any release. This parcel has been designated as Category 2.

BRAC Parcel Number and Label 8(2)PS
CERFA Map Location 28,10

This parcel is associated with a UST located at Building 2305. This UST (SRN 69) is used to store 1,000 gallons of fuel oil and has been in service since 1957. A visual inspection of the area did not reveal any evidence of contamination or release and there is no record of any release. This parcel has been designated as Category 2.

BRAC Parcel Number and Label 9(2)HS(P)
CERFA Map Location 30,23

This parcel is associated with a rumored acid storage site and is located near the southern end of the Main Depot Area. An interview confirmed that this area had been the location of an acid storage shed. A visual inspection of the area revealed the presence of a depression that the escort reported as being near the location of the acid storage shed. The escort also claimed that the structure itself had been moved. The shed was described as being a self-contained metal unit, and there is no record or evidence that there had ever been a release. This parcel has been designated as Category 2.

BRAC Parcel Number and Label 10(2)PS**CERFA Map Location 28,26**

This parcel is associated with a petroleum AST located at the LORAN-C facility (SRN 215). This AST is used to store 6,000 gallons of fuel oil and has been in service since 1991. There has been no documented release associated with the AST. This parcel has been designated as Category 2.

BRAC Parcel Number and Label 11(2)HS**CERFA Map Location 24,22**

This parcel is Building 327, a warehouse. Visual inspections and interviews conducted during the 1995 EBS indicated that pesticides, soda ash, and antifreeze have been stored in this building. There have been no documented releases associated with this building. This parcel has been designated as Category 2.

BRAC Parcel Number and Label 12 (2)HS**CERFA Map Location 24,22**

This parcel is Building 326, a warehouse. A visual inspection conducted during the 1995 EBS indicated that super topical bleach (STB) and chlorine impregnate are stored in this building. There have been no documented releases associated with this building. This parcel has been designated as Category 2.

BRAC Parcel Number and Label 13(2)HS**CERFA Map Location 23,22**

This parcel is Building 330, a warehouse. Visual inspections and interviews conducted during the 1995 EBS indicated that pesticides, soda ash, and antifreeze have been stored in this building. There have been no documented releases associated with this building. This parcel has been designated as Category 2.

BRAC Parcel Number and Label 14(2)HS**CERFA Map Location 22,22**

This parcel is Building 331, a warehouse. Visual inspections and interviews conducted during the 1995 EBS indicated that pesticides, soda ash, and antifreeze have been stored in this building. There have

been no documented releases associated with this building. This parcel has been designated as

Category 2.

BRAC Parcel Number and Label 15(2)HS

CERFA Map Location 22,22

This parcel is Building 324, a warehouse. Records indicated that columbite ore had been stored in this building from 1954 to 1974. A radionuclide survey of this building was previously conducted and no evidence of contamination was detected. There have been no documented releases associated with this building. This parcel has been designated as Category 2.

BRAC Parcel Number and Label 16(2)HS

CERFA Map Location 22,23

This parcel is Building 343, a warehouse. Visual inspections and interviews conducted during the 1995 EBS indicated that pesticides, soda ash, and antifeeze have been stored in this building. There have been no documented releases associated with this building. This parcel has been designated as

Category 2.

BRAC Parcel Number and Label 17(2)HS

CERFA Map Location 22,22

This parcel is Building 323, a warehouse. Visual inspections and interviews conducted during the 1995 EBS indicated that pesticides, soda ash, and antifeeze have been stored in this building. There have been no documented releases associated with this building. This parcel has been designated as

Category 2.

BRAC Parcel Number and Label 18(2)HS

CERFA Map Location 21,22

This parcel is Building 333, a warehouse. Visual inspections and interviews conducted during the 1995 EBS indicated that solvents, STB, and diethylenetriamine (DS-2) have been stored in this building. There have been no documented releases associated with this building. This parcel has been designated as Category 2.

SECTION THREE**INSTALLATION-WIDE ENVIRONMENTAL PROGRAM STATUS****BRAC Parcel Number and Label 19(2)HS****CERFA Map Location 21,22**

This parcel is Building 307, a hazardous waste container storage facility. Records indicated that this building has been used for the storage of waste materials, such as PCBs, solvents, corrosive liquids, flammable solids, and flammable liquids. The building conforms to hazardous waste storage regulations in the state of New York (New York Regulations Title 6, Section 373-2) and is included in the RCRA Part B permit application. There have been no documented releases associated with this building. This building is one of the previously recognized SWMUs (SEAD-1) and has been previously classified as a No Action SWMU under CERCLA. This parcel has been designated as Category 2.

BRAC Parcel Number and Label 20(2)PS/HS**CERFA Map Location 21,21**

This parcel contains Buildings 316, 317, 318, and 372, ordnance repair warehouses, and shops. Records and interviews indicated that solvents and petroleum products have been stored in these buildings. There has been no documented release associated with these buildings. This parcel has been designated as Category 2.

BRAC Parcel Number and Label 21(2)PS**CERFA Map Location 20,23**

This parcel is associated with 63 petroleum USTs and six ASTs located at the Elliot Acres Family Housing Area (Buildings 200 to 219 and 221 to 245). Sixty-one tanks (SRNs 74 to 81, 86 to 87, 89, 91 to 124, 126 to 134, 136 to 140, and 200 to 201) are 550-gallon fuel oil USTs. Two tanks (SRNs 125 and 135) are both 1,000-gallon fuel oil USTs. Four tanks (SRNs 82 to 85) are all 275-gallon fuel oil ASTs. Two tanks (SRNs 88 and 90) are 500-gallon fuel oil ASTs. Installation dates of these tanks range from 1942 to 1992. There have been no documented releases associated with any of these USTs or ASTs. This parcel has been designated as Category 2.

BRAC Parcel Number and Label 22(2)PS

CERFA Map Location 19,23

This parcel is associated with a petroleum AST located at Building 101 (SRN 6). This AST is used to store 1,000 gallons of fuel oil and replaced a UST that was removed in August 1996. There has been no documented release associated with this UST. This parcel has been designated as Category 2.

BRAC Parcel Number and Label 23(2)PS

CERFA Map Location 18,23

This parcel is associated with a petroleum UST located at Building 103 (SRN 1). This UST is used to store 2,500 gallons of fuel oil and has been in service since 1988. There has been no documented release associated with this UST. This parcel has been designated as Category 2.

BRAC Parcel Number and Label 24(2)PS/HS

CERFA Map Location 19,23

This parcel is associated with Building 118, an auto shop, and Building 120, a gas station. A 500-gallon used oil AST (SRN 23) is located at Building 118. Building 118 is one of the presently recognized SWMUs (SEAD-30) and has been classified by Engineering Science, Inc., as a No Action SWMU under CERCLA. This designation was based on the previous presence of a 550-gallon waste oil UST (former SRN 208) that has been removed. Records indicate that no evidence of release was observed when the tank was removed in 1992. Two USTs are located at Building 120; SRN 168 is a 20,000-gallon gasoline UST, and SRN 176 is a 10,000-gallon diesel fuel UST. There have been no documented releases associated with the AST or any of the USTs. This parcel has been designated as Category 2.

BRAC Parcel Number and Label 25(2)PS/HS

CERFA Map Location 19,23

This parcel is associated with Building 117. This facility is a heavy equipment shop that has been used for battery maintenance and storage. Antifreeze and battery acid have been stored in this building. A waste oil UST (SRN 25) is associated with this building. This UST is used to store 2,005 gallons of waste oil. This UST is still in use and is one of the presently recognized SWMUs (SEAD-31). It has been previously classified as a No Action SWMU under CERCLA. There have been no documented releases associated with the building or UST. This parcel has been designated as Category 2.

SECTION THREE**INSTALLATION-WIDE ENVIRONMENTAL PROGRAM STATUS**

BRAC Parcel Number and Label 26(2)HS**CERFA Map Location 19,22**

This parcel is associated with Building 125, a former paint shop. This building was used to store paints and solvents. There has been no documented release associated with this building. This parcel has been designated as Category 2.

BRAC Parcel Number and Label 27(2)PS/HS**CERFA Map Location 18,23**

This parcel is associated with a preventive medicine laboratory and a petroleum AST located at Building 106 (SRN 9). Medical waste materials have been stored in this facility in appropriate biohazard containers. This AST is used to store 1,000 gallons of fuel oil and replaced a UST removed in August 1996. There has been no documented releases associated with this UST or the medical wastes. This parcel is designated as Category 2.

BRAC Parcel Number and Label 28(2)HS**CERFA Map Location 18,22**

This parcel is associated with two USTs located at Building 114. These USTs (SRNs 12 and 13) are used to store 1,000 gallons each of fuel oil, and both have been in service since 1943. A visual inspection of the area did not reveal any evidence of contamination or release, and there is no record of any release. This parcel has been designated as Category 2.

BRAC Parcel Number and Label 29(2)PS**CERFA Map Location 19,21**

This parcel is associated with a petroleum AST located at Building 129 (SRN 187). This AST is used to store 60,000 gallons of fuel oil. There has been no documented release associated with this AST. This parcel has been designated as Category 2.

BRAC Parcel Number and Label 30(2)PS**CERFA Map Location 18,21**

This parcel is associated with a petroleum UST located at Building 113 (SRN 11). This UST is used to store 2,000 gallons of fuel oil. There has been no documented release associated with this UST. This parcel has been designated as Category 2.

BRAC Parcel Number and Label 31(2)PS/HS
CERFA Map Location 20,21

This parcel contains Building 312, a flammable materials storage warehouse. Records and interviews indicated that solvents, paints, antifreeze, hydrofluorosilic acid, and petroleum products have been stored in this building. There has been no documented release associated with this building. This parcel has been designated as Category 2.

BRAC Parcel Number and Label 32(2)PS
CERFA Map Location 2,15

This parcel is associated with a petroleum UST located at Building 800 (SRN 45). This UST is used to store 1,500 gallons of fuel oil and has been in service since 1981. There has been no documented release associated with this UST. This parcel has been designated as Category 2.

BRAC Parcel Number and Label 33(2)PS
CERFA Map Location 2,15

This parcel is associated with a petroleum UST located at Building 729 (SRN 39). This UST is used to store 2,000 gallons of fuel oil and has been in service since 1986. There has been no documented release associated with this UST. This parcel has been designated as Category 2.

BRAC Parcel Number and Label 34(2)PS
CERFA Map Location 3,3

This parcel is associated with Buildings 719, 720, and 721, and two USTs. These three buildings were associated with petroleum storage, a fueling station, and a maintenance shop. A visual inspection did not reveal any evidence of staining or leaking of petroleum product. Building 719 is a pump house for a 15,000-gallon gasoline UST (SRN 172). This UST has been in service since 1985. Building 720 is a motor vehicle shop. Building 721 is a military police maintenance and office building, which is served by a 12,000-gallon diesel UST (SRN 202) located north of the building. This UST has been in service since 1986. There have been no documented releases associated with these USTs or buildings. This parcel has been designated as Category 2.

SECTION THREE**INSTALLATION-WIDE ENVIRONMENTAL PROGRAM STATUS**

BRAC Parcel Number and Label 35(2)PS**CERFA Map Location 2,2**

This parcel is associated with a petroleum UST located at Building 733 (SRN 40). This UST is used to store 1,000 gallons of fuel oil and has been in service since 1971. There has been no documented release associated with this UST. This parcel has been designated as Category 2.

BRAC Parcel Number and Label 36(2)PS**CERFA Map Location 3,14**

This parcel is associated with a petroleum UST located at Building 746 (SRN 43). This UST is used to store 3,000 gallons of fuel oil and has been in service since 1982. There has been no documented release associated with this UST. This parcel has been designated as Category 2.

BRAC Parcel Number and Label 37(2)PS**CERFA Map Location 3,12**

This parcel is associated with a petroleum UST located at Building 710 (SRN 36). This UST is used to store 1,000 gallons of fuel oil and has been in service since 1991. There has been no documented release associated with this UST. This parcel has been designated as Category 2.

BRAC Parcel Number and Label 38(2)PS**CERFA Map Location 2,12**

This parcel and area of real property is associated with two petroleum USTs located at Building 742 (SRNs 210 and 211). These USTs were used to store 3,000 gallons of gasoline each. They were both temporarily out of service at the time of the 1995 EBS investigation. There has been no documented release associated with these USTs. This parcel has been designated as Category 2.

BRAC Parcel Number and Label 39(2)PS**CERFA Map Location 2,12**

This parcel is associated with a petroleum UST located at Building 714 (SRN 37). This UST is used to store 1,000 gallons of fuel oil and has been in service since 1957. There has been no documented release associated with this UST. This parcel has been designated as Category 2.

BRAC Parcel Number and Label 40(2)PS

CERFA Map Location 2,12

This parcel is associated with a petroleum UST located at Building 740 (SRN 42). This UST is used to store 1,000 gallons of fuel oil and has been in service since 1960. There has been no documented release associated with this UST. This parcel has been designated as Category 2.

BRAC Parcel Number and Label 41(2)HS

CERFA Map Location 14,9

This parcel is an acid storage area south of the truck gate. This area corresponds to one of the previously recognized SWMUs (SEAD-65A). No evidence of release has been observed, and pH testing by Engineering Science, Inc., of the soils in this area did not find pH values outside of the normal range for soils. This SWMU has been previously classified as a No Action SWMU under CERCLA. This parcel has been designated as Category 2.

BRAC Parcel Number and Label 42(2)HS

CERFA Map Location 14,9

This parcel is an acid storage area south of the truck gate. This area corresponds to one of the previously recognized SWMUs (SEAD-65B). No evidence of release has been observed, and pH testing by Engineering Science, Inc., of the soils in this area did not find pH values outside of the normal range for soils. This SWMU has been classified as a No Action SWMU under CERCLA. This parcel has been designated as Category 2.

BRAC Parcel Number and Label 43(2)HS

CERFA Map Location 14,9

This parcel is an acid storage area south of the truck gate. This area corresponds to one of the previously recognized SWMUs (SEAD-65C). No evidence of release has been observed, and pH testing by Engineering Science, Inc., of the soils in this area did not find pH values outside of the normal range for soils. This SWMU has been classified as a No Action SWMU under CERCLA. This parcel has been designated as Category 2.

3.4.3 Areas Where Storage, Release, Disposal, or Migration Has Occurred, but Concentrations Require No Remedial Action

Of the 10,634 acres that comprise the Seneca Army Depot Activity BRAC property, four parcels, approximately 7.3 acres, were designated as Category 3. The Category 3 parcels are identified on Figure 3-4 and are summarized in the following sections.

BRAC Parcel Number and Label 44(3)HR**CERFA Map Location 29,26**

This parcel is the LORAN-C building. Interviews revealed that in 1995 there was an accidental 100-pound release of halon in the control room of this building. The control room was evacuated and ventilated, and the released materials were cleaned up. No other actions were taken. This parcel has been designated as Category 3.

BRAC Parcel Number and Label 45(3)HS/HR**CERFA Map Location 27,25**

This parcel is Building 356, a warehouse. This building is one of the recognized SWMUs (SEAD-49) because it was used to store columbite ore from 1973 to 1993. According to the Solid Waste Management Unit Classification Study, no evidence of release was observed, and a radiological survey of the building did not find any readings above background levels, leading to a No Action classification.

This building is presently used for the storage of DS-2. In June of 1995, three spills involving DS-2 were noted for this building. One spill of 3 gallons of DS-2 was reported to the NYSDEC (Spill No. 9503157). The other two spills involved 2 quarts of DS-2. The three spills were inside 40-foot steel containers that were being off-loaded into Building 356. These spills were cleaned up and the reported case is closed. This parcel has been designated as Category 3.

BRAC Parcel Number and Label 46(3)HR**CERFA Map Location 18,21**

This parcel is a scrap wood storage site. This site is one of the presently recognized SWMUs (SEAD-10). Periodic releases to the air, because of the burning of wood in this area, have been documented. This SWMU has been previously classified as a No Action SWMU. This parcel has been designated as Category 3.

BRAC Parcel Number and Label 47(3)PS/PR/HS

CERFA Map Location 2,14

This parcel is associated with Building 732, the Auto Hobby Shop in the North Administration Area. This building has been previously classified as a No Action SWMU (SEAD-29). Interviews conducted during the 1995 EBS revealed that numerous small quantity spills of petroleum products occurred in this building. However, there have been no reported spills inside this building since 1990. Before 1990, procedures were in place for addressing the spills as they occurred to ensure prompt cleanup. The petroleum product may have also drained into the floor drains and entered the storm sewer system. The presence of an oil/water separator has likely minimized any actual release. When this facility was closed and the hydraulic lifts were removed, sampling was conducted that indicated there was no need for any remedial actions. One UST (SRN# 59) is located at this site. It has a 550-gallon capacity, is used to store waste oil, and has been in service since 1982. There has been no record of leakage from this tank. This parcel has been designated as Category 3.

3.4.4 Areas Where Storage, Release, Disposal, or Migration Has Occurred and All Remedial Actions Have Been Taken

There are no parcels at the SEDA classified as areas where storage, release, disposal, or migration has occurred and all remedial actions have been taken (Category 4).

3.4.5 Areas Where Storage, Release, Disposal, or Migration Has Occurred and Action is Underway but Not Final

Of the 10,634 acres that comprise the Seneca Army Depot Activity BRAC property, six parcels, approximately 207 acres, were designated as Category 5. The Category 5 parcels are identified on Figure 3-4 and are summarized in the following sections.

BRAC Parcel Number and Label 48(5)HR

CERFA Map Location 22,12

This parcel consists of a non-combustible landfill (SEAD-8), an incinerator cooling water pond (SEAD-3), an ash landfill (SEAD-6), refuse burning pits (SEAD-14), a solid waste incinerator (SEAD-15), and a disposal area west of Building 2203 (SEAD-64D).

The non-combustible landfill was used from 1974 to 1979 to dispose of materials that were either non-combustible or too bulky to be incinerated or burned. The incinerator cooling water pond was used from 1974 to 1979 to hold the cooling water and fly ash generated from the scrubber of the solid waste incinerator. The fly ash was removed every 18 months and disposed of at the ash landfill. The ash landfill was used from 1941 to the late 1950s or early 1960s, and again from 1974 to 1979. Ash from the refuse burning pits was disposed of from 1941 until the late 1950s or early 1960s. In 1994 and 1995, soil from the ash landfill was excavated and treated utilizing a Low Temperature Thermal Desorption system. Groundwater contamination at this site remains to be mitigated. The refuse burning pits were used from 1941 to 1974 to burn all wastes generated on the depot until the incinerator opened in 1974. After burning, metal was removed for recycling and the ash was pushed into the ash landfill. The solid waste incinerator was used from 1974 to 1979 to burn depot refuse.

The disposal area west of Building 2203 was reportedly used for the dumping of crushed heavy gauge metal drums, empty smoke generating canisters, and various other metallic debris. Five of these SWMUs (SEADs-3, 6, 8, 14, and 15) have all been combined into an operable unit, referred to as the Ash Landfill, that is currently being investigated under the CERCLA RI/FS. Results of an expanded site investigation (ESI) conducted by Engineering Science, Inc., indicated that one large debris pile in the southwestern portion of SEAD-64D may have impacted the soils and groundwater locally. Engineering Science, Inc., has recommended an RI/FS for this SWMU.

This parcel has been designated as Category 5.

BRAC Parcel Number and Label 49(5)HS/HR

CERFA Map Location 29,19

This parcel is associated with 11 pitchblende storage igloos (EO801 to EO811) and a railroad loading area. In the 1940s, the igloos were used for the storage of about 2,000 barrels of pitchblende, a uranium ore. After the pitchblende was removed, the igloos were used for the storage of conventional munitions until about 1979. This area is a previously recognized SWMU (SEAD-48). In 1976, a radiological survey indicated that although no health hazards existed, the radiation levels present were in excess of allowable concentrations that would permit unrestricted use of the 11 storage igloos and the surrounding areas. Remediation was conducted in the 1980s, but NYSDEC and the New York State Department of Health (NYSDOH) found that contamination still existed. This SWMU has been

classified as a Low Priority AOC under CERCLA, and an RI/FS has been recommended by Engineering Science, Inc. This parcel has been designated as Category 5.

BRAC Parcel Number and Label 50(5)PS/PR/HR(P)

CERFA Map Location 21,22

This parcel consists of two waste oil storage USTs (SEAD-34), a boiler blowdown leach pit (SEAD-40), and two waste oil burning boilers at Building 319 (SEAD-37).

Both of the USTs have been in use since 1951 for fuel oil storage, and small quantities of waste oil were stored in them from 1982 to 1989. One tank has a 30,000-gallon capacity (SRN 196) and the other has a 20,000-gallon capacity (SRN 197). Limited sampling by Engineering Science, Inc., detected the presence of total petroleum hydrocarbons (TPH) in two soil samples. This SWMU is classified as a Low Priority AOC, and an RI/FS of this SWMU is scheduled.

The boiler blowdown leach pit was used from the time the boilers were first placed in service to the time when the blowdown points were connected to the sanitary sewer system in 1979 or 1980, which constitutes a first step toward remediation of this area. Limited sampling by Engineering Science, Inc., detected TPH in surface and subsurface soil samples. This SWMU is classified as a Low Priority AOC, and remedial action has been recommended by Engineering Science, Inc.

The two boilers in Building 319 were used to burn a waste oil and #6 fuel oil mixture from 1982 to 1989 and are still functional. The only documented releases are permitted air emissions. This SWMU is classified as a No Action SWMU.

This parcel has been designated as Category 5.

BRAC Parcel Number and Label 51(5)PS/PR/HS/HR(P)

CERFA Map Location 21,21

This parcel consists of two waste oil USTs (SEAD-28), three fuel oil USTs, and a steam (Jenny) cleaning waste tank (SEAD-27). All of these facilities are located at Building 360 in the Main Depot Area just west of the IPE Subarea. The two waste oil USTs (SRN 26, Building 355E, and SRN 206, Building 355W) each had a 2,005-gallon capacity and were used since 1981. Tank number 206 was found to contain water in 1993 and was subsequently removed. Tank number 206 was unused and

SECTION THREE**INSTALLATION-WIDE ENVIRONMENTAL PROGRAM STATUS**

subsequently removed in December of 1994. A visual inspection in 1990 revealed that waste oil had been spilled around both of the tanks. Removal and appropriate disposal of surficial soil in this area was conducted, but NYSDEC requires that SEAD-28 be considered an AOC. It has been classified as a Low Priority AOC and the development of a site inspection (SI) work plan has been recommended by Engineering Science, Inc.

The three fuel oil USTs located in this parcel are SRN 29 (500 gallon), SRN 30 (500 gallon), and SRN 31 (1,000 gallon). Tanks 29 and 30 have been in place since 1969 and Tank 31 since 1980. There is no evidence of a release from any of these three USTs. The steam cleaning waste tank is an open-top concrete tank with a grate over the top. It has a maximum capacity of 4,500 gallons. It was in use from 1976 to 1989 to collect wastewater from the cleaning and degreasing of equipment that was being refurbished in Building 360. This SWMU has been previously classified as a Low Priority AOC, and a RCRA Closure Plan is under review. This parcel has been designated as Category 5.

BRAC Parcel Number and Label 52(5)PR**CERFA Map Location 19,23**

This parcel is associated with an oil spill that started from a failed UST at Building 138. The incident occurred on November 19, 1992, and involved the release of approximately 1,900 gallons of fuel oil. The oil drained from the tank into the storm drain, then into a drainage ditch, and ultimately into Kendaia Creek. The total length of the release is about 1 mile. The incident was reported to NYSDEC (LUST No. 9209672) and cleanup actions followed. However, based on an interview conducted during the 1995 EBS, and the unavailability of a closure report regarding this incident, it appears that additional remediation efforts may still be required. This parcel has been designated as Category 5.

BRAC Parcel Number and Label 53(5)HR**CERFA Map Location 3,17**

This parcel is associated with an area located northeast of Building 813 that was used for the burial of radioactive waste. This area is one of the previously recognized SWMUs (SEAD-12A). Reported radioactive waste was buried here in the form of swipes and other laboratory wastes. This area was excavated in 1986, and the trash was containerized and shipped to an authorized off-post radioactive waste landfill in December 1987. The results of an ESI conducted by Engineering Science, Inc., indicate that fill material sampled at this location has been contaminated by heavy metals. This SWMU

is classified as a Moderately Low Priority AOC, and an RI/FS has been recommended by Engineering Science, Inc. This parcel has been designated as Category 5.

3.4.6 Areas Where Storage, Release, Disposal, or Migration Has Occurred, but Required Response Actions Have Not Been Taken

Of the 10,634 acres that comprise the Seneca Army Depot Activity BRAC property, 53 parcels, approximately 1,725 acres, were designated as Category 6. The Category 6 parcels are identified on Figure 3-4 and are summarized in the following sections:

BRAC Parcel Number and Label 54(6)HR(P)

CERFA Map Location 16,2

This parcel is associated with a lift station located by Building 2409, a former pump house presently used for dry storage. A raw sewage release was observed on the east side of this building during the 1995 EBS visual inspection. The lift station receives wastes from multiple sources, potentially containing hazardous substances. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 55(6)PR(P)/HR

CERFA Map Location 18,11

This parcel is the abandoned powder burning pit. This area is one of the previously recognized SWMUs (SEAD-24). Records indicate that black powder, M10 and M6 solid propellants, and probably explosive-contaminated trash were disposed of in this area from the 1940s to the 1950s. An ESI conducted at this site by Engineering Science, Inc., indicated soil contamination from arsenic has occurred. TPH was also documented in low concentrations. No adverse impacts to the groundwater have occurred. This SWMU has been classified as a High Priority AOC, and a removal action in conjunction with a limited investigation has been recommended by Engineering Sciences, Inc. This parcel has been designated as Category 5.

BRAC Parcel Number and Label 56(6)PR

CERFA Map Location 29,12

This parcel is the site of a JP-4 spill that occurred in 1990 and was revealed during an interview. The incident occurred on the "hot pad" located about 800 feet west of Building 2312. The spill involved

more than 50 gallons of fuel, which ran off the pad into the grass. No records indicate that this spill was cleaned up. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 57(6)PS/PR/HR

CERFA Map Location 32,17

This parcel consists of a fuel oil AST at Building 2076, a UST at Building 2073, the former munitions washout plant (SEAD-4), a construction debris landfill (SEAD-11), a boiler plant blowdown leach pit at Building 2079 (SEAD-38), and dumping areas. Other buildings included within this parcel are S-2084, 2077, 2078, and 2081. The fuel oil AST located at Building 2076 (SRN 4) has a 275-gallon capacity. No evidence of a release from this tank was found.

This parcel is also associated with a petroleum UST located at Building 2073 (SRN 203). This UST is used to store 1,000 gallons of fuel oil and has been in service since 1986. There has been no documented release associated with the UST.

The munitions washout plant was used from 1948 to 1963. The results of an ESI conducted by Engineering Science, Inc., at this area indicate that impacts to the surface soils, sediment, surface water, and groundwater have occurred. An effort was made during the ESI to locate a leach field that was associated with this facility. The leach field was not found, but three different surface water drainages were found to be impacted. This SWMU has been classified as a High Priority AOC, and an RI/FS has been recommended by Engineering Science, Inc.

The construction debris landfill was used from 1946 to 1949. An ESI conducted at this site by Engineering Science, Inc., indicates that impacts to the surface and subsurface soils have occurred. The results of a groundwater sampling program conducted by Engineering Science, Inc., indicate that iron, lead, and sodium were present in individual downgradient wells at concentrations above criteria values. This SWMU has been classified as a Moderate Priority AOC, and an RI/FS has been recommended by Engineering Science, Inc.

The boiler plant blowdown leach pit at Building 2079 was in use until 1979 or 1980. Results of a limited sampling program conducted by Engineering Science, Inc., at this site indicated that TPH was present in the surface soil samples at levels considered to be evidence of a release of petroleum

hydrocarbons. This SWMU has been classified as a Low Priority AOC, and a remedial action has been recommended by Engineering Science, Inc.

Visual inspections during the 1995 EBS revealed that dumping activities have occurred in the "50 Area" west of Seneca Road and south of Indian Creek Road. Two of the dumping areas were observed to contain concrete blocks and fill dirt (SMK-42 and SMK-43; SMK are the initials of one of the field investigators and were used to label and track areas of visual inspection). One (SMK-44) had steel drums, and one (SMK-46) is believed to be a former railroad dump containing railroad ties and scrap metal. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 58(6) HR

CERFA Map Location 31,19

This parcel is associated with a former garbage disposal area south of the classified yards and north of Ovid Road. This area is one of the previously recognized SWMUs (SEAD-64B). Results of an ESI conducted at this site by Engineering Science, Inc., indicate that minimal impacts to the soil, sediment, surface water, and groundwater have occurred. This SWMU is classified as a Low Priority AOC, and a mini-risk assessment has been recommended by Engineering Science, Inc., This parcel has been designated as Category 6.

BRAC Parcel Number and Label 59(6)PS/PR/HR

CERFA Map Location 31,22

This parcel is associated with an ammunition breakdown area at Buildings 608 and 612 (SEAD-52), an oil discharge adjacent to Building 609 (SEAD-60), and a UST and an AST at Building 609. The ammunition breakdown area has been in use from the 1940s to the present. A limited sampling program by Engineering Science, Inc., has detected the presence of explosive compounds in the soil, constituting evidence of a release. This SWMU is classified as a Low Priority AOC, and the development of an ESI work plan has been recommended by Engineering Science, Inc. The oil discharge area immediately west of Building 609 was discovered in 1989 and is believed to have come from a pipe located inside of the building. Results of an ESI conducted at this site by Engineering Science, Inc., revealed the presence of petroleum hydrocarbons and polycyclic aromatic hydrocarbons (PAHs), heavy metals, and (to a lesser extent) PCB compounds in the surface soils. Semivolatile organic compounds (SVOCs) and TPH were found in sediment samples taken downslope

SECTION THREE**INSTALLATION-WIDE ENVIRONMENTAL PROGRAM STATUS**

of the oil-stained soil. TPH has also been shown to have impacted the groundwater beneath the oil release area. This SWMU is classified as a Low Priority AOC, and an RI/FS has been recommended by Engineering Science, Inc.

Fuel oil storage has also occurred within this parcel. Associated with Building 609 are a UST and an AST. SRN 34 is a 3,000-gallon UST that was in service from 1954 until it was removed in August 1996. This UST will be replaced with a 3,000-gallon AST in October 1996; the SRN will remain 34. SRN 35 is a 1,000-gallon AST that has been in service since 1953. No evidence of release from either of these tanks has been documented.

This parcel has been designated as Category 6.

BRAC Parcel Number and Label 60(6)HR**CERFA Map Location 32,23**

This parcel is a material proof and surveillance test area west of Building 616. This area was used between 1960 and 1980 and is one of the previously identified SWMUs (SEAD-44A). The results of an ESI conducted at this site by Engineering Science, Inc., indicated that there have been no significant releases to the media investigated. However, organic compounds were detected at elevated concentrations in the berm excavation samples. This SWMU was classified as a Moderately Low Priority AOC, and a mini-risk assessment has been recommended by Engineering Science, Inc. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 61(6)HR**CERFA Map Location 30,22**

This parcel is a material proof and surveillance test area on Brady Road. This area was used between 1960 and 1980 and is one of the previously identified SWMUs (SEAD-44B). The results of an ESI conducted at this site by Engineering Science, Inc., indicated that there have been no significant releases to the media investigated. However, elevated concentrations of PAH compounds were detected in a soil sample. This SWMU was classified as a Moderately Low Priority AOC, and a mini-risk assessment has been recommended by Engineering Science, Inc. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 62(6)HR(P)

CERFA Map Location 31,23

This parcel is a nicotine sulfate disposal area near Buildings 606 and 612. This area was previously reported to have been used for the burial of drums containing nicotine sulfate and is one of the previously identified SWMUs (SEAD-62). An ESI conducted at this site by Engineering Science, Inc., did not identify any areas that were used for the disposal of nicotine sulfate, nor were there any areas that have been significantly impacted by a release of oil or other hazardous materials. This SWMU was classified as a Low Priority AOC, and a mini-risk assessment has been recommended by Engineering Science, Inc. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 63(6)PS/HS/HR

CERFA Map Location 30,25

This parcel is associated with the old missile propellant laboratory and a former UST at Building 606 (SEAD-43), a disposal area southeast of Building 606 (SEAD-69), and a former herbicide and pesticide storage area at Building 606 (SEAD-56). A 2,000-gallon fuel oil UST was located at Building 606. This UST was installed in 1956 and was removed in August 1996. This UST will not be replaced and its SRN (33) has been reassigned to another storage tank. Building 606 was used as a missile propellant test laboratory in the 1960s. From 1976 to the present, the building has been used for pesticide and herbicide storage. It has been reported that debris, including fence posts, 2-4-D cans, and pesticide cans, has been disposed of southeast of Building 606. The results of an ESI conducted at these three SWMUs by Engineering Science, Inc., indicate that no significant impacts have occurred to any of the media investigated at this site. Limited releases of PAHs were detected in the soil samples collected in close proximity to Building 606. All of the remaining PAHs that were detected at these SWMUs were found at concentrations that were either below their respective Technical Assistance Guidance Memorandum (TAGM) levels or exceeded their respective TAGM levels by less than a factor of three. According to the ESI report (Parsons Engineering Science 1995), metals were the only other constituents that were detected at concentrations that slightly exceeded their respective criteria for soils, groundwater, surface water, and sediment. However, no significant concentrations of heavy metals were found at these SWMUs. All three of these SWMUs have been classified as Moderately Low Priority AOCs, and mini-risk assessments have been recommended for them by Engineering Science, Inc. This parcel has been designated as Category 6.

SECTION THREE**INSTALLATION-WIDE ENVIRONMENTAL PROGRAM STATUS**

BRAC Parcel Number and Label 64(6)HR**CERFA Map Location 25,22**

This parcel is associated with a disposal area west of Building 2203. It has been reported that asbestos and debris, including metal drums, empty smoke-generating canisters, and other metal debris, have been dumped in this area. This parcel is one of the previously identified SWMUs (SEAD-64A). The results of an ESI conducted by Engineering Science, Inc., at this location suggest that there have been several localized impacts to the soil and groundwater. The SWMU was classified as a Low Priority AOC, and an RI/FS has been recommended by Engineering Science, Inc. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 65(6)HS/HR(P)**CERFA Map Location 25,22**

This parcel is associated with an open ore storage pile. Records indicate that the ore stored at this location is zinc, which is considered a hazardous material. The U.S. Army Toxic and Hazardous Materials Agency (USATHAMA) has concluded that the uncovered ore could migrate into the environment through air dispersal of dust particulate or transport of particulate through surface water runoff. At a minimum, remediation that specifically includes removal of the ore will be required. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 66(6)HR**CERFA Map Location 26,22**

This parcel is a fire training pit and area located to the south of Building 328. This training pit and area have been in use from 1977 to the present. This parcel is one of the previously recognized SWMUs (SEAD-26). An ESI conducted at this site by Engineering Science, Inc., indicates that SVOCs were detected at concentrations above TAGM values in several of the surface and subsurface soil samples analyzed, and the site is considered to pose a threat. This SWMU has been classified as a High Priority AOC, and an RI/FS has been recommended by Engineering Science, Inc. This parcel has been designated as Category 6.

FINAL

SECTION THREE

INSTALLATION-WIDE ENVIRONMENTAL PROGRAM STATUS

BRAC Parcel Number and Label 67(6)(HS/HR(P))

CERFA Map Location 26,26

This parcel is associated with an open ore storage pile. Records indicate that the ore stored at this location is chromite, which is considered a hazardous material. The USATHAMA has concluded that the uncovered ore could migrate into the environment through air dispersal of dust particulate or transport of particulate through surface water runoff. At a minimum, remediation that specifically includes removal of the ore will be required. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 68(6)(HS/HR(P))

CERFA Map Location 25,25

This parcel is associated with an open ore storage pile. Records indicate that the ore stored at this location is aluminum oxide, which is considered a hazardous material. The USATHAMA has concluded that the uncovered ore could migrate into the environment through air dispersal of dust particulate or transport of particulate through surface water runoff. At a minimum, remediation that specifically includes removal of the ore will be required. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 69(6)(HS/HR(P))

CERFA Map Location 26,26

This parcel is associated with an open ore storage pile. Records indicate that the ore stored at this location is antimony, which is considered a hazardous material. The USATHAMA has concluded that the uncovered ore could migrate into the environment through air dispersal of dust particulate or transport of particulate through surface water runoff. At a minimum, remediation that specifically includes removal of the ore will be required. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 70(6)(HS/HR(P))

CERFA Map Location 26,26

This parcel is associated with an open ore storage pile. Records indicate that the ore stored at this location is ferro chrome, which is considered a hazardous material. The USATHAMA has concluded that the uncovered ore could migrate into the environment through air dispersal of dust particulate or transport of particulate through surface water runoff. At a minimum, remediation that specifically includes removal of the ore will be required. This parcel has been designated as Category 6.

SECTION THREE**INSTALLATION-WIDE ENVIRONMENTAL PROGRAM STATUS**

BRAC Parcel Number and Label 71(6)HS/HR(P)**CERFA Map Location 26,25**

This parcel is associated with an open ore storage pile. Records indicate that the ore stored at this location is antimony, which is considered a hazardous material. The USATHAMA has concluded that the uncovered ore could migrate into the environment through air dispersal of dust particulate or transport of particulate through surface water runoff. At a minimum, remediation that specifically includes removal of the ore will be required. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 72(6)HS/HR**CERFA Map Location 25,24**

This parcel is the Tank Farm Area. At one time, there may have been as many as 60 ASTs used to store antimony, asbestos, silicon carbide, and rutile. Presently, only four of the tanks remain: Tanks 8 and 17, antimony storage; Tank 88, asbestos storage; and Tank 302, rutile storage. An ESI conducted of this area by Engineering Science, Inc., has documented a hazardous release associated with these ASTs (Parsons Engineering Science 1995). This area comprises two of the recognized SWMUs (SEADs 50 and 54) that have been combined as SEAD-50 and was previously classified as a Moderately Low Priority AOC. A Decision Document outlining a limited sampling program and a removal action was recommended. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 73(6)HS/HR(P)**CERFA Map Location 24,23**

This parcel is associated with an open ore storage pile. Records indicate that the ore stored at this location is chromite, which is considered a hazardous material. The USATHAMA has concluded that the uncovered ore could migrate into the environment through air dispersal of dust particulate or transport of particulate through surface water runoff. At a minimum, remediation that specifically includes removal of the ore will be required. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 74(6)HS/HR(P)**CERFA Map Location 24,22**

This parcel is associated with an open ore storage pile. Records indicate that the ore stored at this location is ferro manganese, which is considered a hazardous material. The USATHAMA has

concluded that the uncovered ore could migrate into the environment through air dispersal of dust particulate or transport of particulate through surface water runoff. At a minimum, remediation that specifically includes removal of the ore will be required. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 75(6)HS/HR(P)

CERFA Map Location 23,23

This parcel is associated with an open ore storage pile. Records indicate that the ore stored at this location is chromite, which is considered a hazardous material. The USATHAMA has concluded that the uncovered ore could migrate into the environment through air dispersal of dust particulate or transport of particulate through surface water runoff. At a minimum, remediation that specifically includes removal of the ore will be required. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 76(6)HS/HR(P)

CERFA Map Location 22,23

This parcel is associated with an open ore storage pile. Records indicate that the ore stored at this location is ferro manganese, which is considered a hazardous material. The USATHAMA has concluded that the uncovered ore could migrate into the environment through air dispersal of dust particulate or transport of particulate through surface water runoff. At a minimum, remediation that specifically includes removal of the ore will be required. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 77(6)PR/HR

CERFA Map Location 22,22

This parcel is an area to the north of Building 325 where PCBs were reported to have been spilled. An interview revealed that 55 gallons of PCB oil were dumped in this location, but it was uncertain when it was reported that there was no cleanup of this release, and there is no record that this spill was ever reported to NYSDEC. This parcel has been designated as Category 6.

SECTION THREE**INSTALLATION-WIDE ENVIRONMENTAL PROGRAM STATUS**

BRAC Parcel Number and Label 78(6)HS/HR**CERFA Map Location 21,21**

This parcel is associated with the Defense Reutilization and Marketing Office (DRMO) yard to the west of Building 360. Interviews revealed that hazardous materials such as solvents and PCB oil have been dumped in this area. The parcel has been designated as Category 6.

BRAC Parcel Number and Label 79(6)HR**CERFA Map Location 20,22**

This parcel is a fire training and demonstration pad to the north of Ordnance Road and west of Administration Avenue. This facility has been in use since the late 1960s and is one of the previously recognized SWMUs (SEAD-25). An ESI conducted at this site by Engineering Science, Inc., revealed that benzene, toluene, ethylbenzene, and xylenes (BTEX) have impacted the surface and subsurface soils and groundwater at this site. This SWMU was classified as a High Priority AOC, and an RI/FS has been recommended by Engineering Science, Inc. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 80(6)PS/HR**CERFA Map Location 20,20**

This parcel consists of an AST and a deactivation furnace located at Building 367. A 2,000-gallon fuel oil AST (SRN 32) was installed at this building in 1990. There is no record of release from this AST. This area corresponds with one of the previously identified SWMUs (SEAD-17). The furnace was used from 1962 to the present for the destruction of ammunition and is currently operating under interim status as part of the Part B RCRA permit. Proper closure of the site will be required as part of the RCRA permit. An ESI conducted at this SWMU by Engineering Science, Inc., indicates that impacts to the surface soils from the release of SVOCs and heavy metals have occurred at this site. This SWMU is classified as a High Priority AOC, and an RI/FS has been recommended by Engineering Science, Inc. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 81(6)HS/HR**CERFA Map Location 19,21**

This parcel is associated with sewage sludge waste piles from the two sewage treatment plants. Sewage sludge has been deposited here since 1980. This area is one of the previously recognized SWMUs (SEAD-5). An ESI conducted at this SWMU by Engineering Science, Inc., revealed a

significant release of PAHs in the material of the sewage sludge piles; however, it appears that the groundwater underneath the piles has not been impacted. This SWMU was classified as a Moderately Low Priority AOC, and an RI/FS has been recommended by Engineering Science, Inc. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 82(6)HS/HR

CERFA Map Location 19,21

This parcel consists of a deactivation furnace located at Building S-311, a previously reported leaking UST (LUST) at Building S-311, and a raw material storage yard at Building S-361. The deactivation furnace corresponds to one of the previously identified SWMUs (SEAD-16). The furnace was used from 1945 to the mid-1960s for the destruction of small arms. An ESI conducted at this SWMU by Engineering Science, Inc., indicates that impacts to the surface soils from the release of heavy metals and SVOCs have occurred at this site. This SWMU was classified as a High Priority AOC, and an RI/FS has been recommended by Engineering Science, Inc.

The database search and Seneca Army Depot Activity records indicate that in 1993 a LUST was reported at Building S-311. It was reported that 20 gallons of No. 2 fuel oil were released and that the case is still open.

A raw material storage yard located west of Building S-361 and containing drums, scrap wood, and other materials was observed during the 1995 EBS investigation.

This parcel has been designated as Category 6.

BRAC Parcel Number and Label 83(6)HS/HR(P)

CERFA Map Location 19,19

This parcel is associated with an open ore storage pile. Records indicate that the ore stored at this location is chromite, which is considered a hazardous material. The USATHAMA has concluded that the uncovered ore could migrate into the environment through air dispersal of dust particulate or transport of particulate through surface water runoff contain drums, scrap wood, and other materials. At a minimum, remediation that specifically includes removal of the ore will be required. This parcel has been designated as Category 6.

SECTION THREE**INSTALLATION-WIDE ENVIRONMENTAL PROGRAM STATUS**

BRAC Parcel Number and Label 84(6)PS/PR/HR(P)**CERFA Map Location 18,19**

This parcel is associated with Building 306, an inspector's workshop, and Building 308, a boiler house. Records indicate that a 1,000-gallon fuel oil UST (SRN 20) is located at Building 308. This UST has been in service since 1942. Interviews conducted during the 1995 EBS revealed that petroleum has been released in the area of Building 306. The interviews also revealed that paints and solvents have been stored in this building and may have been released. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 85(6)PR/HR**CERFA Map Location 19,21**

This parcel is a fill area west of Building 135. The contents of this fill area are unknown. This area corresponds to one of the previously identified SWMUs (SEAD-59). An ESI conducted at this SWMU by Engineering Science, Inc., identified several areas that have been impacted by releases of volatile organic compounds (VOCs), SVOCs, TPH, and, to a lesser extent, heavy metals. Analyses also indicated that the groundwater has been moderately impacted by TPH. This SWMU was classified as a Moderately Low Priority AOC, and an RI/FS has been recommended by Engineering Science, Inc. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 86(6)PR/HS/HR**CERFA Map Location 19,22**

This parcel is associated with Building 135. This building has been used for vehicle storage over the last 25 years. A visual inspection during the 1995 EBS documented that the dirt floor was extensively stained with oil, fuel, and hydraulic fluid. An interview for the 1995 EBS revealed that this building had been used for acid storage. This interview also documented the release of acids in this building. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 87(6)PS/PR/HR(P)**CERFA Map Location 19,23**

This parcel consists of a waste oil UST (SEAD-33), two waste oil-burning boilers (SEAD-36), and a boiler blowdown leach pit (SEAD-39). All of these facilities are located at Building 121. The UST (SRN 198) has a 30,000-gallon capacity and has been in use since 1943. Small quantities of waste oil

FINAL

SECTION THREE
INSTALLATION-WIDE ENVIRONMENTAL PROGRAM STATUS

were stored in it from 1982 to 1989, and it was also used to store fuel oil. Limited sampling conducted by Engineering Science, Inc., detected the presence of TPH in the soil adjacent to this tank. This SWMU was classified as a Low Priority AOC, and a mini-risk assessment has been recommended by Engineering Science, Inc.

The waste oil-burning boilers were used to burn a waste oil and #6 fuel oil mixture from 1982 to 1989. The only releases known are permitted air emissions. This SWMU was classified as a No Action SWMU by Engineering Science, Inc. The boiler blowdown leach pit was in use until the blowdown points were connected to the sanitary sewer in 1979 or 1980. Results of limited sampling performed at this site by Engineering Science, Inc., revealed TPH in the soil. This SWMU has been classified as a Low Priority AOC, and a remedial action has been recommended by Engineering Science, Inc. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 88(6)PS/PR
CERFA Map Location 19,22

This parcel is associated with a UST and stained mound located near Building 127. The UST (SRN 177) has a 12,000-gallon capacity and is used to store diesel fuel. This tank has been in service since 1985. A visual inspection of this UST during the 1995 EBS documented some discoloration of the concrete at the base of the pump. The visual inspection also noted an earthen mound with oil or hydraulic fluid staining to the southwest of Building 127. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 89(6)HR
CERFA Map Location 18,22

This parcel is an alleged paint/solvent disposal area located west of Building 127. This site is one of the previously recognized SWMUs (SEAD-71). The results of an ESI conducted at this location by Engineering Science, Inc., revealed that the soils have been impacted by waste materials that were placed in at least one disposal pit on-site. Groundwater at the site has not been significantly impacted by any of the constituents for which analyses were conducted during the ESI. This SWMU is classified as a Low Priority AOC, and an RIFS has been recommended by Engineering Science, Inc. This parcel has been designated as Category 6.

SECTION THREE**INSTALLATION-WIDE ENVIRONMENTAL PROGRAM STATUS**

BRAC Parcel Number and Label 90(6)PR(P)/HR**CERFA Map Location 17,22**

This parcel is associated with an old scrap wood site located north of Kendaia Road and south of the East Patrol Road. The site was used to dispose of scrap wood from 1984 to 1986, and construction debris was dumped at this site from 1977 to 1984. This site is one of the recognized SWMUs (SEAD-9). The results of an ESI conducted at this site by Engineering Science, Inc., indicate that releases of PAHs, hydrocarbons, and inorganic metals have occurred in the fill material of the site. These results also indicated that TPH has impacted the groundwater downgradient of the site. This SWMU was classified as a Moderately Low Priority AOC, and a mini-risk assessment has been recommended by Engineering Science, Inc. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 91(6)HS/HR(P)**CERFA Map Location 17,19**

This parcel is associated with an open ore storage pile. Records indicate that the ore stored at this location is chromite, which is considered a hazardous material. The USATHAMA has concluded that the uncovered ore could migrate into the environment through air dispersal of dust particulate or transport of particulate through surface water runoff. At a minimum, remediation that specifically includes removal of the ore will be required. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 92(6)HS/HR(P)**CERFA Map Location 16,19**

This parcel is associated with a former pesticide storage area that is known to have been located in the vicinity of Buildings 5 and 6. This area corresponds with one of the previously recognized SWMUs (SEAD-66). The exact location of the former pesticide storage area is unknown. However, a small shed adjacent to Building 5 and a concrete pad adjacent to Building 6 are considered as possible locations of the former pesticide area. Limited sampling conducted in this area resulted in the detection of pesticide compounds above NYSDEC TAGM levels. This SWMU has been classified as a Low Priority AOC, and an RI/FS scoping plan is being developed. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 93(6)HS/HR(P)

CERFA Map Location 16,19

This parcel is associated with an open ore storage pile. Records indicate that the ore stored at this location is aluminum oxide, which is considered a hazardous material. The USATHAMA has concluded that the uncovered ore could migrate into the environment through air dispersal of dust particulate or transport of particulate through surface water runoff. At a minimum, remediation that specifically includes removal of the ore will be required. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 94(6)HR

CERFA Map Location 16,20

This parcel is associated with Sewage Treatment Plant No. 4 (SEAD-20) and a dump site to the east of the plant (SEAD-67). Sewage Treatment Plant No. 4 has been used from 1942 to the present. The facility is operated under a New York Discharge Elimination System (NYDES) permit. This SWMU was classified as a No Action SWMU by Engineering Science, Inc.

The area to the east of Sewage Treatment Plant No. 4 was reportedly used as a dump site. An ESI conducted at this SWMU by Engineering Science, Inc., identified soils and sediment that have been impacted predominantly by PAHs and mercury. Groundwater and surface water at the site have not been significantly impacted by any of the constituents for which analyses were conducted during the investigation. This SWMU has been classified as a Low Priority AOC, and a limited sampling program and removal action have been recommended by Engineering Science, Inc. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 95(6)HS/HR(P)

CERFA Map Location 16,19

This parcel is associated with an open ore storage pile. Records indicate that the ore stored at this location is ferro manganese, which is considered a hazardous material. The USATHAMA has concluded that the uncovered ore could migrate into the environment through air dispersal of dust particulate or transport of particulate through surface water runoff. At a minimum, remediation that specifically includes removal of the ore will be required. This parcel has been designated as Category 6.

SECTION THREE**INSTALLATION-WIDE ENVIRONMENTAL PROGRAM STATUS**

BRAC Parcel Number and Label 96(6)HR**CERFA Map Location 11,19**

This parcel is an abandoned inhibited red fuming nitric acid (IRFNA) disposal site. This facility was in use during the 1960s, and this area corresponds to one of the locations of a previously identified SWMU (SEAD-13). An ESI conducted at this SWMU by Engineering Science, Inc., indicates that impacts to the groundwater have occurred at this site. This SWMU was classified as a Moderate Priority AOC, and an RI/FS has been recommended by Engineering Science, Inc. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 97(6)HR**CERFA Map Location 11,20**

This parcel is an abandoned IRFNA disposal site. This facility was in use during the 1960s and this area corresponds to one of the locations of a previously identified SWMU (SEAD-13). An ESI conducted at this SWMU by Engineering Science, Inc., indicates that impacts to the groundwater have occurred at this site. This SWMU was classified as a Moderate Priority AOC, and an RI/FS has been recommended by Engineering Science, Inc. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 98(6)PS/HS/HR**CERFA Map Location 4,17**

This parcel is associated with Buildings 801, 802, 803, 804, 805, 810, 813, 814, 815, 816, 817, and 819 and storage igloos A0101 and A0102. It also includes three of the previously recognized SWMUs (SEAD-19, SEAD-72, and SEAD-12B). Building 803 (SEAD-72) is a mixed waste storage building that at one time was used to store classified materials. Floor drains located in each vault drain to the exterior and front of the building. No evidence of release has been documented, and, during a site visit by NYSDEC, it was noted that the floor drains had been plugged. This facility is a RCRA facility operating under interim status and must undergo closure as a requirement of the RCRA permit. This SWMU was previously classified as a No Action SWMU.

SEAD-12B consists of Building 804, two burial pits located to the north, and Building 805. One of the pits was used for dry storage and the other contained a UST that was used for wastewater storage. The wastewater was generated during the washing of radioactive contaminated clothing. The area was

excavated in 1986. An ESI conducted at this SWMU by Engineering Science, Inc., indicated that although there have been no impacts to soils at this location, the groundwater has been impacted by the residual radioactive contamination. This SWMU has been classified as a Moderately Low Priority AOC, and an RT/FS has been recommended by Engineering Science, Inc.

SEAD-19 consists of Building 810 and a classified document incinerator. The incinerator was operated from 1956 to 1983. This SWMU was previously classified as a No Action SWMU.

Building 815 was a paint shop and Buildings 813 and 814 were used for storage. Extensive amounts of paints and solvents were used and stored in these facilities. There was no visible evidence of spills or leaks in these buildings. However, interviews conducted during the 1995 EBS revealed that unknown quantities of paints and solvents were disposed of into the drainage ditch that flows north, immediately east of Building 813.

Buildings 816 and 817 were associated with a classified mission. The majority of Building 816 was not available for inspection. Interviews with a radiation protection officer revealed that a potential release of radionuclides occurred within the area of these buildings. Two radiation screening rooms, with venting leading directly outside the buildings, were also observed. Aerial photograph analysis during the 1995 EBS also revealed disturbed ground directly west of Building 816. A visual inspection of this area during the 1995 EBS confirmed that the disturbance had occurred. Interviews and records searches could not confirm or deny whether burial activities were conducted in this area.

A visual inspection was attempted at Building 810 during the 1995 EBS, but access to this entire building was denied based on the classified mission of the building. A visual inspection was attempted of the ammunition storage igloos A0101 and A0102 and the surrounding area. Access to this area during the 1995 EBS was denied based on the classified mission of the area. A visual inspection of Building 819 was performed, but its mission could not be described.

Nine USTs are also located within this parcel. A 1,000-gallon fuel oil UST (SRN 46) is located at Building 802. This UST has been in service since 1956. A fuel oil UST (SRN 47) with a 1,000-gallon capacity is located at Building 805. This UST has been in service since 1956. A UST located at Building 806 (SRN 48) is used to store 1,000 gallons of fuel oil and has been in service since 1991. A

SECTION THREE**INSTALLATION-WIDE ENVIRONMENTAL PROGRAM STATUS**

visual inspection of the area did not reveal any evidence of contamination or release, and there is no record of any release. A UST located at Building 812 (SRN 52) is used to store 1,500 gallons of fuel oil and has been in service since 1956. A visual inspection of the area did not reveal any evidence of contamination or release, and there is no record of any release. The tank list shows two fuel oil USTs associated with Building 819. SRN 57 is a 3,000-gallon UST that was in service from 1957 until it was removed and replaced with a 1,000-gallon AST in August 1996. The new 1,000-gallon AST is SRN 26. There is a 10,000-gallon UST (SRN 182) that has been in service since 1981. There is a 2,500-gallon UST (SRN 53) located at Building 813 that has been in service since 1990. There is a 3,000-gallon UST (SRN 55) located at Building 816 that has been in service since 1983. There is a 1,000-gallon UST (SRN 56) located at Building 817 that has been in service since 1959.

An RI/FS work plan that is currently under regulatory review has been prepared for this parcel by Engineering Science, Inc. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 99(6)PS/PR**CERFA Map Location 3,15**

This parcel is associated with a former Military Police (MP) fueling station located northwest of Building 810. Two ASTs located behind Building 810 (SRNs 50 and 51) are presently located at this site. Both of these date to 1963, are used to store fuel oil, and have a 550-gallon capacity. A visual inspection during the 1995 EBS did not reveal any staining or stressed vegetation. However, interviews with base personnel revealed that the MPs fueled their vehicles in this area on a daily basis. Interviewees were certain that they had witnessed frequent spilling of petroleum products. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 100(6)PS/PR/HS/HR**CERFA Map Location 3,14**

This parcel is associated with Building 747. A visual inspection was attempted at this building; however, access to the building and the surrounding area was denied. The tank list shows that there is a 4,000-gallon fuel oil UST (SRN 44) associated with this building that has been in service since 1982. No release has been documented for this UST. An interview conducted during the mid-EBS meeting in January 1996 revealed that this building has been used for storage of battery acids and paints and that releases of petroleum product and solvents have occurred. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 101(6)PS/PR/HS/HR

CERFA Map Location 3,13

This parcel is associated with Building 718 and four of the previously recognized SWMUs (SEAD-32, SEAD-35, SEAD-41, and SEAD-61). Building 718 was a boiler house for the entire North Depot Area. Several documented releases were associated with this building and have been investigated. Solid waste management unit SEAD-32 consists of two waste oil storage USTs that were used to store small quantities of waste oil from 1982 to 1989. Results of limited sampling conducted by Engineering Science, Inc., detected elevated readings of TPH in soils in this area and in one groundwater sample. This SWMU was classified as a Low Priority AOC, and a mini-risk assessment has been recommended by Engineering Science, Inc.

Solid waste management unit SEAD-35 consists of three waste oil-burning boilers inside of Building 718. This SWMU was previously classified as a No Action SWMU.

Solid waste management unit SEAD-41 is the boiler blowdown leach pit that is located in the vicinity of Building 718. The results of the limited sampling at this SWMU detected TPH in the soils. This SWMU was classified as a Low Priority AOC, and remedial action has been recommended by Engineering Science, Inc.

Solid waste management unit SEAD-61 is a UST (SRN 38) that is used to store waste oil before burning in the adjacent boiler plant. It has a 10,000-gallon capacity and was installed in 1989. No releases from this UST have been documented. This SWMU was previously classified as a No Action SWMU.

Two other fuel oil USTs are associated with Building 718. One (SRN 194) has a 40,000-gallon capacity and has been in place since 1956. The other (SRN 195) has a 20,000-gallon capacity and has been in place since 1978. No releases have been documented from either of these USTs. This parcel has been designated as Category 6.

SECTION THREE**INSTALLATION-WIDE ENVIRONMENTAL PROGRAM STATUS****BRAC Parcel Number and Label 102(6)PS/PR(P)****CERFA Map Location 3,13**

This parcel is associated with Buildings 716 and 717. Specifically, this is a 40,600-gallon fuel oil AST (SRN 188) that has been in service since 1956 and an associated fueling area. There has been no record of leaking or spilling of petroleum product at this location. However, based on a 1995 EBS visual inspection, the area directly around the fueling station exhibited staining. This particular tank has been out of service and empty since 1989. The berm drain has been kept open since that time. A visual inspection conducted by the Seneca Army Depot Activity Environmental Department staff on April 24, 1996, revealed only small puddles of water inside of the berm. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 103(6)HR**CERFA Map Location 5,13**

This parcel is associated with a miscellaneous components burial ground west of storage igloos A0101 and A0102. This area includes one of the previously recognized SWMUs (SEAD-63). Records revealed that miscellaneous components (i.e., classified parts) were buried in this area and have not yet been excavated. An ESI conducted by Engineering Science, Inc., at this SWMU revealed numerous burial pits that were shown to contain miscellaneous military components. The ESI results also indicated that the soils have been significantly impacted by PAHs, cadmium, and radionuclides and that gross alpha and gross beta radiation are impacting surface water and groundwater quality. This SWMU has been classified as a Low Priority AOC, and an RI/FS has been recommended by Engineering Science, Inc. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 104(6)PR/HS/HR**CERFA Map Location 5,9**

This parcel consists of an Open Burning Ground (SEAD-23), an Open Detonation Ground (SEAD-45), an explosive ordnance disposal area (SEAD-57), and a filled area at Building T-2110 (SEAD-70). The Open Burning Ground was used from the late 1960s to 1986 or 1987. Wastes burned here included explosives, contaminated trash, fuses containing lead, and projectiles containing TNT, Comp B, and Amatol. This SWMU was previously classified as a High Priority AOC and is currently an active RI/FS.

The Open Detonation Ground has been in use from 1941 to 1994. Large, obsolete, and unserviceable ammunition and components were destroyed here by detonation. An ESI conducted by Engineering Science, Inc., indicates that impacts to the surface soils and sediment from the release of heavy metals and nitroaromatic compounds and, to a lesser extent, SVOCs have occurred at this site. Other analyses completed during the ESI indicated that various metals have impacted the groundwater at this site. This SWMU has been classified as a High Priority AOC, and an R/LFS has been recommended by Engineering Science, Inc.

The Open Burning/Open Detonation Grounds are currently RCRA facilities operating on interim status. Proper closure of these facilities will be required as part of the RCRA permit.

The explosive ordnance disposal area was used from 1941 to 1994. In the past, the area was used for open detonation, and it may have been used for the disposal of explosives. An ESI conducted at this SWMU by Engineering Science, Inc., indicates that impacts to the soils and groundwater from heavy metals have occurred at this site. This SWMU was classified as a Moderate Priority AOC, and an R/LFS has been recommended by Engineering Science, Inc.

The filled area east of Building T-2110 has previously been used to dispose of construction debris. The results of an ESI conducted at this SWMU by Engineering Science, Inc., indicate that the sediment in the wetland surrounding SEAD-70 and the soils that compose the landfill material have been impacted by moderate releases of PAHs (in the sediment) and arsenic (in the soil). This SWMU was classified as a Low Priority AOC, and a mini-risk assessment has been recommended by Engineering Science, Inc.

The area along both sides of the East-West Baseline Road and west of the North-South Baseline Road was used for live fire training activities. This training involved the demolition of vehicles and resulted in the release of significant quantities of petroleum products. This area is also likely to be contaminated by explosive compounds and metals.

Due to the inability to define the extent of activities associated with these areas, they were combined into a single parcel. This parcel has been designated as Category 6.

SECTION THREE**INSTALLATION-WIDE ENVIRONMENTAL PROGRAM STATUS****BRAC Parcel Number and Label 105(6)HS/HR(P)****CERFA Map Location 15,13**

This parcel is associated with an open ore storage pile. Records indicate that the ore stored at this location is aluminum oxide, which is considered a hazardous material. The USATHAMA has concluded that the uncovered ore could migrate into the environment through air dispersal of dust particulate or transport of particulate through surface water runoff. At a minimum, remediation that specifically includes removal of the ore will be required. This parcel has been designated as Category 6.

BRAC Parcel Number and Label 106(6)HR**CERFA Map Location 17,11**

This parcel is associated with a debris area east of Booster Station 2131 and a possible DDT disposal area. This area corresponds with one of the previously identified SWMUs (SEAD-58). An ESI conducted at this site by Engineering Science, Inc., indicates that the soils, groundwater, and surface water have not been impacted by any of the constituents for which analyses were conducted. The sediment in the drainage swales in the area is the only medium that has been impacted by moderate releases of PAHs. This SWMU was classified as a Moderately Low Priority AOC, and a mini-risk assessment has been recommended by Engineering Science, Inc. This parcel has been designated as Category 6.

3.4.7 Unevaluated Areas or Areas Requiring Additional Evaluation

Of the 10,634 acres that comprise Seneca Army Depot Activity BRAC property, seven parcels, approximately 11.85 acres, were designated as Category 7. The Category 7 parcels are identified on Figure 3-4 and are summarized below.

BRAC Parcel Number and Label 107(7)**CERFA Map Location 30,10**

This parcel is associated with a vented conex near Building 2311 at the Airfield. This conex was observed during the 1995 EBS visual inspection. The contents of this conex are unknown and, therefore, an accurate category designation could not be determined. This parcel has been designated as Category 7.

BRAC Parcel Number and Label 108(7)HS(P)/HR(P)

CERFA Map Location 22,22

This parcel is associated with the reported former pest control shop in Building 335. This site is one of the previously recognized SWMUs (SEAD-68). No documented or visual evidence of a release has been discovered. However, NYSDEC has classified this area as an AOC and the SEDA agrees. This SWMU has been classified as a Low Priority AOC, and an RI/FS scoping plan is being developed. This parcel has been designated as Category 7.

BRAC Parcel Number and Label 109(7)

CERFA Map Location 17,20

This parcel consists of earthen mounds that may be related to a small arms range that was reported in this area. It could not be determined if these mounds were in fact the location of a small arms range that was reported in an interview during the 1995 EBS. Therefore, an accurate category designation could not be determined. This parcel has been designated as Category 7.

BRAC Parcel Number and Label 110(7)

CERFA Map Location 11,21

This parcel is a suspect mound in the Duck Ponds Area that was observed during the 1995 EBS. The contents of this mound could not be determined; therefore, an accurate category designation could not be determined. This parcel has been designated as Category 7.

BRAC Parcel Number and Label 111(7)

CERFA Map Location 3,17

This parcel is a suspect mound in the Duck Ponds Area that was observed during the 1995 EBS. The contents of this mound could not be determined; therefore, an accurate category designation could not be determined. This parcel has been designated as Category 7.

BRAC Parcel Number and Label 112(7)

CERFA Map Location 2,17

This parcel is a suspect mound in the Duck Ponds Area that was observed during the 1995 EBS. The contents of this mound could not be determined; therefore, an accurate category designation could not be determined. This parcel has been designated as Category 7.

BRAC Parcel Number and Label 113(7)**CERFA Map Location 2,11**

This parcel is associated with open land north of Building 715. A visual inspection of this area during the 1995 EBS revealed several suspect mounding areas and a rusty drum protruding from a mound of soil. No evidence of soil staining or groundwater contamination could be determined from the visual inspection. During the 1995 EBS, interviewees were asked if they had any knowledge of this area but no one had any information. This parcel has been designated as Category 7.

3.4.8 Qualified Parcels

In determining the qualified parcels, Woodward-Clyde observed the following guidelines:

- If a complete asbestos survey/reinspection has not been conducted, then buildings constructed prior to 1985 were assumed to contain ACM. An "A(P)" for the possible presence of asbestos was used to qualify the parcel. Buildings that had been surveyed and in which ACM was identified were designated "A."
- If a complete LBP survey has not been conducted, then buildings and structures constructed prior to 1978 were assumed to contain LBP. An "L(P)" for the possible presence of LBP was used to qualify the parcel. Buildings that had been surveyed and in which lead-based paint was identified were designated "L."
- A distinction is made between the presence of PCBs within equipment, such as transformers, that have not leaked and PCBs in soil from leaking equipment. The presence of PCBs in soil from leaking equipment is considered a CERCLA issue, while non-leaking, out-of-service equipment with PCB concentrations greater than 50 parts per million led to qualification of the parcel with the designation "P."
- Buildings with radon levels of 4.0 pCi/l or greater were designated "R," while those with radon levels less than 4.0 pCi/l were below mitigation levels and received no designation. Buildings that have not been surveyed for radon remain unqualified.
- Buildings possibly containing UXO stored for use or disposal and areas containing possible surface or buried UXO based on previous testing, dismantling, or deactivation

of UXO were designated "X(P)." Buildings and areas where UXO was stored or disposed of were designated "X." Locations of former firing ranges were UXO-qualified and designated "X."

- Buildings and areas where radioactive materials were stored were designated "RD."

There are 917 parcels, approximately 1,804.58 acres, that were identified as qualified parcels as described in Table 3-7. On the CERFA map, Figure 3-4, qualified buildings are keyed by building numbers, and areas of land that are qualified are shown with a unique qualified parcel label. In addition to buildings, several areas of open land were qualified. These are described in the following sections:

BRAC Parcel Number and Label 114(2)O-X

CERFA Map Location 30,11

This parcel is associated with a firing range located in the area to the east of Building 2302 at the Airfield. This area was identified in a visual inspection and interview during the 1995 EBS.

BRAC Parcel Number and Label 115O-X

CERFA Map Location 29,11

This parcel is associated with a former trap/skeet range located to the east of Building 2301 at the Airfield. This area was identified in a visual inspection and interview during the 1995 EBS.

BRAC Parcel Number and Label 116O-X

CERFA Map Location 32,16

This parcel corresponds with BRAC Parcel 57(6)PS/PR/HR. Two non-CERCLA issues pertain to this parcel. First, at the eastern edge of the parcel was the former Munitions Washout Plant. Records indicate that explosive compounds were leached into the soils outside of the plant. Second, an interview conducted during the 1995 EBS site inspection revealed that munitions may have been buried in the northeast portion of this parcel.

SECTION THREE**INSTALLATION-WIDE ENVIRONMENTAL PROGRAM STATUS**

BRAC Parcel Number and Label 117Q-X**CERFA Map Location 30,18**

This parcel is associated with an area that is suspected to be an ammunition burial/disposal area. Interviews conducted during the 1995 EBS identified that burial of ammunition took place in this general location.

BRAC Parcel Number and Label 118Q-RD**CERFA Map Location 29,19**

This parcel corresponds with BRAC Parcel 49(5)HS/HR. It consists of a series of 11 storage igloos and the surrounding area. These igloos were used to store pitchblende ore.

BRAC Parcel Number and Label 119Q-X**CERFA Map Location 32,20**

This parcel is believed to be the location of a small arms range. Interviews during the 1995 EBS indicated that this area had been used as a small arms range. A visual inspection of the area revealed a 250-foot-long arcuate berm with a dirt track road leading to it.

BRAC Parcel Number and Label 120Q-X**CERFA Map Location 32,23**

This parcel corresponds with BRAC Parcel 60(6)HR. This area was a material proof and surveillance test area located west of Building 616.

BRAC Parcel Number and Label 121Q-X**CERFA Map Location 30,22**

This parcel corresponds with BRAC Parcel 61(6)HR. This area was a material proof and surveillance test area on Brady Road.

BRAC Parcel Number and Label 122Q-X**CERFA Map Location 11,21**

This parcel is a small arms range that was used for testing firing tracers and 3-1/2-inch rockets. This area corresponds with one of the previously identified SWMUs (SEAD-46). This SWMU was

classified as a Low Priority AOC, and an RI/FIS scoping plan is being developed by Engineering Science, Inc.

BRAC Parcel Number and Label 1230-RD

CERFA Map Location 4,16

This parcel corresponds with BRAC Parcel 98(6)PS/HS/HR. This area was used as a part of the special weapons mission that was formerly at the depot. Although the nature of this mission is classified, it is known that several radioisotopes were stored in buildings within this area.

BRAC Parcel Number and Label 1240-RD

CERFA Map Location 3,17

This parcel corresponds with BRAC Parcel 53(5)HR. This area was used for the burial of radioactive materials.

BRAC Parcel Number and Label 1250-X

CERFA Map Location 2,13

This parcel is associated with Building 744. Building 744 was a physical activities center or health club facility. Interviews conducted during the 1995 EBS revealed that a shooting range existed in the basement of the facility. These interviews also reported that the shooting range was dismantled, but no records could be found documenting the cleaning process.

BRAC Parcel Number and Label 1260-RD

CERFA Map Location 5,13

This parcel corresponds with BRAC Parcel 103(6)HR. This area was used for the burial of miscellaneous classified components.

BRAC Parcel Number and Label 1270-X

CERFA Map Location 5,8

This parcel corresponds with BRAC Parcel 104(6)PR/HS/HR. This area includes the Open Burning/Open Detonation Grounds and the live fire training area along East-West Baseline Road.

SECTION THREE**INSTALLATION-WIDE ENVIRONMENTAL PROGRAM STATUS****BRAC Parcel Number and Label 128Q-X****CERFA Map Location 18,11**

This parcel corresponds with BRAC Parcel 55(6)PR(P)/HR. This area is the abandoned powder burning pit. Black powder, M10 and M6 solid propellants, and probably explosive-contaminated trash were disposed of in this area.

3.4.9 Suitability of Installation Property for Transfer by Deed

The SARA Title 1, Section 120 to CERCLA, addresses the transfer of federal property on which any hazardous substance was stored during any 1-year period or was released or disposed of. Section 120 also requires any deed for the transfer of federal property to contain, to the extent such information is available from a complete search of agency files, the following information:

- A notice of the type and quantity of any hazardous substance storage, release, or disposal
- Notice of the time at which such storage, release, or disposal took place
- A description of what, if any, remedial action has occurred
- A covenant warranting that appropriate remedial action will be taken

Under SARA Title 1, Section 120 to CERCLA, those parcels that are Category 1, 2, 3, 4, or 5 (if the remedy in place has been approved by the Administrator) meet the CERCLA criterion of being suitable for transfer to a non-federal entity. Category 6 and 7 properties, which involve releases of hazardous substances as defined by CERCLA, cannot be transferred to a non-federal entity under CERCLA until the remedy has been demonstrated to the Administrator to be operating properly and successfully. The categorization process also provides valuable information regarding which property is available for unrestricted reuse because it has no environmental restrictions (Category 1-4) and which property is undergoing remedial action and may therefore have property reuse restrictions (Category 5).

The SEDA has parcels totaling an estimated 8,690.27 acres, which have been classified as CERFA Category 1-4. These parcels, described in Sections 3.4.1 through 3.4.4, are suitable for immediate transfer to a non-federal entity according to CERCLA. The remaining estimated 1,943.9 acres of SEDA, discussed in Sections 3.4.5 through 3.4.7, have been classified as CERFA Category 5-7

parcels. These parcels cannot be transferred to a non-federal entity under CERCLA until environmental restoration is initiated.

Although not regulated by SARA Title 1, Section 120, non-CERCLA substances delineating qualified parcels also affect the suitability of BRAC property for transfer. The Department of Defense has prepared guidance for dealing with the transfer of qualified parcels, stating that issues related to the presence of non-CERCLA substances such as asbestos, lead-based paint, and UXO will be fully addressed prior to transfer of the property.

3.5 STATUS OF COMMUNITY INVOLVEMENT

Community relations activities occurring at SEDA include activities related to both the IRP and environmental compliance program. These activities include:

- **Information repositories.** An information repository is located at the Romulus Town Hall in Willard, New York. This repository contains information used to support U.S. Army decisions regarding the SEDA environmental restoration program. The notice of availability was released on March 16, 1992.
- **Administrative Record.** The Administrative Record is kept on the installation in Building 116 and was also established in March 1992.
- **Community Relations Plan (CRP).** A final CRP for SEDA was completed in October 1992. It is currently being revised by depot staff.
- **Technical Review Committee (TRC).** The TRC met quarterly from July 1992 to January 1996. In addition to representatives from the U.S. Army, EPA, and NYSDEC, the TRC included local town supervisors, the county health department, and a community representative. The TRC was transitioned into a Restoration Advisory Board.
- **Restoration Advisory Board (RAB).** The first RAB meeting was held on May 30, 1996. The group will meet monthly until the charter and initial training are complete and will then meet quarterly or as needed.
- **Other public meetings.** A public meeting was held for a removal action at the Ash Landfill site. The meeting featured poster displays on environmental sites and depot missions. A brief presentation was given on the project, and staff were available to

answer questions. A public announcement regarding the availability of the documents in the Administrative Record was released. Other public meetings and comment periods will be provided as required.

- **Fact sheets/press releases.** Every RAB meeting is announced to the public through an advertisement or public notice in the Finger Lakes Times and a press release to local newspapers. Fact sheets for the depot missions, IRP sites, and various restoration issues were distributed at RAB meetings and the Ash Landfill removal action public meeting. Press releases are issued for significant depot accomplishments and to announce public comment periods.

**TABLE 3-1
SITE SUMMARY**

STUDY AREA NO.	CURRENT SITE NAME AND DESCRIPTION	SITE CLASS (e.g., IRP, RCRA)	MATERIALS DISPOSED OF	DATES OF OPERATION	CONTAMINANTS OF CONCERN	MEDIUM OF CONCERN	STATUS OF RESPONSE	REGULATORY PROGRAM/ PROCESS
SEAD-1	Building 307 - Hazardous Waste Container Storage Facility	SWMU	Drum storage of various hazardous wastes. No disposal.	1981-present	None	None	No Further Action	RCRA Part B interim status
SEAD-2	Building 301 - PCB Transformer Storage Facility	SWMU	Storage of PCB-containing equipment. No disposal	1980-present	None	None	No Further Action	RCRA Part B interim status
SEAD-7	Shale Pit	SWMU	Construction and demolition wastes such as concrete, asphalt and wood	1987-present	None	None	No Further Action	CERCLA
SEAD-10	Present Scrap Wood Site	SWMU	Scrap wood	1986-present	None	None	No Further Action	CERCLA
SEAD-18	Building 709 - Classified Document Incinerator	SWMU	Classified paper documents and occasionally medical wastes	1956-present	None	air	No Further Action	CERCLA
SEAD-19	Building 801 - Classified Document Incinerator	SWMU	Classified documents	1956-1983	None	air	No Further Action	CERCLA
SEAD-20	Sewage Treatment Plant No. 4	SWMU	Domestic wastewater, boiler plant blowdown	1920s-present	None	None	No Further Action	CERCLA
SEAD-21	Sewage Treatment Plant No. 715	SWMU	Domestic wastewater	1956-early 1990s	None	None	No Further Action	CERCLA
SEAD-22	Sewage Treatment Plant No. 314	SWMU	Domestic wastewater	1941-1978	None	None	No Further Action	CERCLA
SEAD-29	Building 732 - Underground Waste Oil Tank	SWMU	Waste oil	1981-present	None	None	No Further Action	CERCLA
SEAD-30	Building 118 - Underground Waste Oil Tank	SWMU	Waste oil	1941-1992	None	None	No Further Action	CERCLA

**TABLE 3-1
SITE SUMMARY (continued)**

STUDY AREA NO.	CURRENT SITE NAME AND DESCRIPTION	SITE CLASS (e.g., IRP, RCRA)	MATERIALS DISPOSED OF	DATES OF OPERATION	CONTAMINANTS OF CONCERN	MEDIUM OF CONCERN	STATUS OF RESPONSE	REGULATORY PROGRAM/ PROCESS
SEAD-31	Building 117 - Underground Waste Oil Tank	SWMU	Waste oil	1982-present	None	None	No Further Action	CERCLA
SEAD-35	Building 718 - Waste Oil-Burning Boilers (3 units)	SWMU	Waste oil	1993	None	None	No Further Action	CERCLA
SEAD-36	Building 121 - Waste Oil-Burning Boilers (2 units)	SWMU	Waste oil	1982-1989	None	None	No Further Action	CERCLA
SEAD-37	Building 319 - Waste Oil-Burning Boilers (2 units)	SWMU	Waste oil	1982-1989	None	None	No Further Action	CERCLA
SEAD-42	Building 106 - Preventive Medicine Laboratory	SWMU	Laboratory wastes from clinical analysis were stored in this facility	1977-present	None	None	No Further Action	CERCLA
SEAD-47	Buildings 321 and 806 - Radiation Calibration Source Storage	SWMU	Radioactive materials are stored, not disposed of in these buildings	806 unknown-1995 321 unknown-present	None	None	No Further Action	CERCLA
SEAD-49	Building 356 - Columbite Ore Storage	SWMU	Columbite ore is stored, not disposed of in these buildings	1956-present	None	None	No Further Action	CERCLA
SEAD-51	Herbicide Usage - Perimeter of High Security Area	SWMU	Wastes are not disposed of at this SWMU	Unknown	Herbicides	Soils	To be determined	CERCLA
SEAD-53	Munitions Storage Igloos	SWMU	Materials are stored, not disposed of at this SWMU	1941-present	None	None	No Further Action	CERCLA
SEAD-55	Building 357 - Tannin Storage	SWMU	Materials are stored, not disposed of in this building	1978-1993	None	None	No Further Action	CERCLA
SEAD-61	Building 718 - Underground Waste Oil Tank	SWMU	Waste oil is stored, not disposed of in this UST	1989-present	None	None	No Further Action	CERCLA

**TABLE 3-1
SITE SUMMARY (continued)**

STUDY AREA NO.	CURRENT SITE NAME AND DESCRIPTION	SITE CLASS (e.g., IRP, RCRA)	MATERIALS DISPOSED OF	DATES OF OPERATION	CONTAMINANTS OF CONCERN	MEDIUM OF CONCERN	STATUS OF RESPONSE	REGULATORY PROGRAM/ PROCESS
SEAD-65	Acid Storage Areas	SWMU	Acids may have been stored, but were not disposed of at this SWMU	Unknown	None	None	No Further Action	CERCLA
SEAD-72	Building 803 - Mixed Waste Storage Facility	SWMU	Solid radioactive and mixed wastes were stored, not disposed of in this building	1958-1996	None	None	No Further Action	RCRA Part B interim status
SEAD-3	Incinerator Cooling Water Pond	SWMU	Cooling water and fly ash	1974-1979	Heavy metals and sulfate	Soil and groundwater	RI/FS	CERCLA
SEAD-4	Munitions Washout Facility Leach Field	SWMU	Explosives and heavy metals	1948-1963	Heavy metals, SVOCs, pesticides, PCBs	soils, sediments, surface wastes, groundwater	RI/FS	CERCLA
SEAD-6	Abandoned Ash Landfill	SWMU	Ash	1941-1950s or 1960s; 1974-1979	VOCs, metals, SVOCs	soils, groundwater sediments	RI/FS	CERCLA
SEAD-8	Non-Combustible Fill Area	SWMU	Bulky and non-combustible wastes, construction debris	1974-1979	VOCs, heavy metals	soils, groundwater	RI/FS	CERCLA
SEAD-14	Refuse Burning Pits (2 units)	SWMU	Domestic wastes, oils and solvent sludges	1941-1974	Heavy metals, oils, solvents	soils, groundwater	RI/FS	CERCLA
SEAD-15	Building 2207 - Abandoned Solid Waste Incinerator	SWMU	Domestic wastes; small munitions and asbestos	1974-1979	--	air	RI/FS	CERCLA
SEAD-16	Building S-311 - Former Deactivation Furnace	SWMU	Small arms munitions	1945-mid-1960s	Heavy metals, SVOCs	soils, groundwater	RI/FS	CERCLA
SEAD-17	Building 367 - Existing Deactivation Furnace	SWMU	Small arms munitions, fuses, boosters, and firing devices	1962-present	Heavy metals, SVOCs	soils, groundwater	RI/FS	RCRA Part B interim status

**TABLE 3-1
SITE SUMMARY (continued)**

STUDY AREA NO.	CURRENT SITE NAME AND DESCRIPTION	SITE CLASS (e.g., IRP, RCRA)	MATERIALS DISPOSED OF	DATES OF OPERATION	CONTAMINANTS OF CONCERN	MEDIUM OF CONCERN	STATUS OF RESPONSE	REGULATORY PROGRAM/ PROCESS
SEAD-23	Open Burning Ground	SWMU	Explosives; contaminated trash; fuses containing lead	Late 1950s-1986 or 1987	Heavy metals, nitrates, and explosive compounds	air, soils, groundwater, surface water	R/FS	RCRA Part B interim status
SEAD-24	Abandoned Powder Burning Pit	SWMU	Black powder, M10 and M6 solid propellants; probably explosives contaminated trash	1940s-1950s	Metals, TPH	soils	IRM	CERCLA
SEAD-25	Fire Training and Demonstration Pad	SWMU	gasoline, fuel oil	Since late 1960s	VOCs, SVOCs	soils, groundwater	R/FS	CERCLA
SEAD-26	Fire Training Pit	SWMU	Used oil and spent industrial solvents (prior to RCRA)	1977-present	SVOCs, TPH, metals	soils, groundwater	R/FS	CERCLA
SEAD-45	Demolition Area	SWMU	Ammunition and components	1941-present	Heavy metals, nitroaromatic compounds, SVOCs	soils, groundwater	R/FS	RCRA Part B interim status
SEAD-11	Old Construction Debris Landfill	SWMU	Construction debris	1946-1949	SVOCs and heavy metals	soils, groundwater	R/FS	CERCLA
SEAD-13	IRFNA Disposal Site	SWMU	IRFNA	Early 1960s	Nitrite/nitrate-nitrogen, heavy metals	surface water, groundwater	R/FS	CERCLA
SEAD-57	Explosive Ordnance Disposal Area	SWMU	May have been used for disposal of explosives	1941-present	Heavy metals	soils, groundwater	R/FS	RCRA Part B interim status
SEAD-5	Sewage Sludge Waste Piles	SWMU	Sewage sludge	1980-present	SVOCs, metals, nitrate/nitrite	sludge piles, groundwater	R/FS	CERCLA
SEAD-9	Old Scrap Wood Site	SWMU	Construction debris; scrap wood	1977-1986	TPH, metals, SVOCs	fill materials, soils, groundwater	Mini Risk Assessment	CERCLA
SEAD-12	Radioactive Waste Burial Sites	SWMU	Radioactive and nonradioactive wastes; classified metal parts	pre-1962	Heavy metals, radionuclides	fill material, groundwater, sediments	R/FS	CERCLA

**TABLE 3-1
SITE SUMMARY (continued)**

STUDY AREA NO.	CURRENT SITE NAME AND DESCRIPTION	SITE CLASS (e.g., IRP, RCRA)	MATERIALS DISPOSED OF	DATES OF OPERATION	CONTAMINANTS OF CONCERN	MEDIUM OF CONCERN	STATUS OF RESPONSE	REGULATORY PROGRAM/ PROCESS
SEAD-43	Building 606 - Old Missile Propellant Test Laboratory (refer to SEAD-56)	SWMU	Unknown; possibly IRFNA and liquid propellants	1960s	SVOCs	soils	Mini-risk assessment	CERCLA
SEAD-44	Quality Assurance Test Laboratory Location A: West of Building 616 Location B: Brady Road	SWMU	LS grenades; firing devices; pyrotechnics	1960-1980	SVOCs, VOCs, pesticides, metals, and nitroaromatic compounds	soils of bermed areas	Mini-risk assessment	CERCLA
SEAD-50	Tank Farm (refer to SEAD-54)	SWMU	Materials were stored, not disposed of at this SWMU	Unknown	Metals, SVOCs, pesticides, PCBs	soils, sediment	IRM	CERCLA
SEAD-54	Asbestos Storage	SWMU	Materials were stored, not disposed of at this SWMU	Unknown	Metals, SVOCs	soils, sediment	IRM	CERCLA
SEAD-56	Building 606 - Herbicide and Pesticide Storage (refer to SEAD-43)	SWMU	Materials are stored, not disposed of in this building	1976-present for herbicide and pesticide storage	SVOCs	soils	Mini-risk assessment	CERCLA
SEAD-58	Debris Area Near Booster Station 2131	SWMU	Unknown, possibly DDT	Unknown	SVOCs	sediment	Mini-risk assessment	CERCLA
SEAD-59	Fill Area West of Building 2131	SWMU	Possibly construction debris	Unknown	VOCs, SVOCs, TPH, heavy metals	fill materials, groundwater	R/FS	CERCLA
SEAD-69	Building 606 - Disposal Area	SWMU	Fence wire; concrete posts; possibly 2,4-D cans and pesticide cans	Unknown	SVOCs, metals	soils	Mini-risk assessment	CERCLA
SEAD-27	Building 360 - Steam Cleaning Waste Tanks	SWMU	Wastewater from steam cleaning	1976-1989	Metals, VOCs, SVOCs, PCBs	None	RCRA Closure Plan	CERCLA
SEAD-28	Building 360 - Underground Waste Oil Tanks	SWMU	Waste oil	1981-present	TPH	None	SI or removal action	CERCLA

**TABLE 3-1
SITE SUMMARY (continued)**

STUDY AREA NO.	CURRENT SITE NAME AND DESCRIPTION	SITE CLASS (e.g., IFR, RCRA)	MATERIALS DISPOSED OF	DATES OF OPERATION	CONTAMINANTS OF CONCERN	MEDIUM OF CONCERN	STATUS OF RESPONSE	REGULATORY PROGRAM/ PROCESS
SEAD-32	Building 718 - Underground Waste Oil Tanks	SWMU	Waste oil	1956-present*	TPH	soils	Mini-risk assessment	CERCLA
SEAD-33	Building 121 - Underground Waste Oil Tanks	SWMU	Waste oil	1943-present*	TPH	soils	Mini-risk assessment	CERCLA
SEAD-34	Building 319 - Underground Waste Oil Tanks	SWMU	Waste oil	1951-present*	TPH	soils	RI/FS	CERCLA
SEAD-38	Building 2079 - Boiler Plant Blowdown Leach Pit	SWMU	Boiler blowdown water (probably combined tannins, sodium hydroxide, and sodium phosphate)	1947-1979 or 1980	TPH	soils	IRM	CERCLA
SEAD-39	Building 121 - Boiler Plant Blowdown Leach Pit	SWMU	Boiler blowdown water (probably combined tannins, sodium hydroxide, and sodium phosphate)	1942-1979 or 1980	TPH	soils	IRM	CERCLA
SEAD-40	Building 319 - Boiler Plant Blowdown Leach Pit	SWMU	Boiler blowdown water (probably combined tannins, sodium hydroxide, and sodium phosphate)	1942-1979 or 1980	TPH	soils	IRM	CERCLA
SEAD-41	Building 718 - Boiler Plant Blowdown Leach Pit	SWMU	Boiler blowdown water (probably combined tannins, sodium hydroxide, and sodium phosphate)	1956-1979 or 1980	TPH	soils	IRM	CERCLA
SEAD-46	Small Arms Range	SWMU	Fire tracers, 3.5-inch rockets	Used through 1960	Heavy metals and explosives	soils, groundwater	RI/FS	CERCLA
SEAD-48	Pitch Blend Storage Igloos	SWMU	Pitchblend ore	1940s-present	Radionuclides	soils, storage igloo walls	RI/FS	CERCLA

TABLE 3-1
SITE SUMMARY (continued)

STUDY AREA NO.	CURRENT SITE NAME AND DESCRIPTION	SITE CLASS (e.g., IRP, RCRA)	MATERIALS DISPOSED OF	DATES OF OPERATION	CONTAMINANTS OF CONCERN	MEDIUM OF CONCERN	STATUS OF RESPONSE	REGULATORY PROGRAM/ PROCESS
SEAD-52	Buildings 608 and 612 - Ammunition Breakdown Area	SWMU	Materials handled at the ammunition breakdown area are not considered wastes. The materials are either reused or stored for latter use. Obsolete materials are disposed of at the demolition grounds	1940s-present	Explosive compounds	soils	ESI	CERCLA
SEAD-60	Oil Discharge Adjacent to Building 609	SWMU	Fuel oil	Spill area first observed in 1989	SVOCs, TPH, and PCBs	soils, sediment, groundwater	RI/FS	CERCLA
SEAD-62	Nicotine Sulfate Disposal Area near Buildings 606 or 612	SWMU	Possibly nicotine sulfate	Unknown	None	None	Mini-risk assessment	CERCLA
SEAD-63	Miscellaneous Components Burial Site	SWMU	Inert materials; miscellaneous military components	1950s-1960s	SVOCs, heavy metals, radio-nuclides	soils, sediment, surface water, groundwater	RI/FS	CERCLA
SEAD-64	Garbage Disposal Areas: Location A: Debris Landfill South of Storage Pad Location B: Disposal Area South of Classification Yards Location C: Proposed Landfill Site Location D: Disposal Area West of Building 2203	SWMU	Possibly household garbage; metal drums	Unknown	A: SVOCs, heavy metals B: Heavy metals C: None D: SVOCs, heavy metals	A: soils, groundwater B: surface water, groundwater C: None D: soils, groundwater	A: RI/FS B: Mini-risk assessment C: Mini-risk assessment D: RI/FS	CERCLA

**TABLE 3-1
SITE SUMMARY (continued)**

STUDY AREA NO.	CURRENT SITE NAME AND DESCRIPTION	SITE CLASS (e.g., IRP, RCRA)	MATERIALS DISPOSED OF	DATES OF OPERATION	CONTAMINANTS OF CONCERN	MEDIUM OF CONCERN	STATUS OF RESPONSE	REGULATORY PROGRAM/ PROCESS
SEAD-66	Pesticide Storage Near Buildings 5 and 6	SWMU	Pesticides were stored, not disposed of at this SWMU	Unknown	Pesticides, PCBs	soils	R/F/S	CERCLA
SEAD-67	Dump site east of Sewage Treatment Plant No. 4	SWMU	Unknown	Unknown	metals, SVOCs	soils, sediment	IRM	CERCLA
SEAD-68	Building S-335 - Oil Pest Control Shop	SWMU	Pesticides	Unknown	Pesticides	soils	R/F/S	CERCLA
SEAD-70	Building 2110 - Fill Area	SWMU	Construction debris	Unknown	SVOCs, metals	soils, sediment	Mini-risk assessment	CERCLA
SEAD-71	Alleged Paint Disposal Area	SWMU	Paint, solvents	Unknown	VOCs, SVOCs, heavy metals	soils, groundwater	R/F/S	CERCLA

Notes:

- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act
 - ESI: Expanded site investigation
 - IRFNA: Inhibited Red Fuming Nitric Acid
 - IRM: Interim remedial measure
 - IRP: Installation Restoration Program
 - PCB: Polychlorinated biphenyl
 - RCRA: Resource Conservation and Recovery Act
 - R/F/S: Remedial investigation/feasibility study
 - SI: Site investigation
 - SVOCs: Semivolatile organic compounds
 - SWMU: Solid waste management units
 - TPH: Total petroleum hydrocarbons
 - UST: Underground storage tank
 - VOCs: Volatile organic compounds
- a. waste oil was mixed with number 6 fuel oil to burn in boiler plant between 1982 and 1989.

**TABLE 3-2
REMEDIACTION ACTIONS STATUS**

STUDY AREA NO.	SITE NAME/ACTION DESCRIPTION	REMEDIACTION IMPLEMENTED	ACTION COMPLETED (Y/N)	CURRENT IRP PHASE	FUTURE IRP PHASE
SEAD-6	Ash Landfill Interim Remedial Action	Soil from the landfill was excavated, treated by Low Temperature Thermal Desorption, confirmed clean by analytical testing, and then returned to the excavated areas as backfill	Y	FS	ROD
SEAD-12A	Radioactive waste burial site removal	This area was excavated, and the trash was containerized and shipped off-post to an authorized landfill	Y	ESI	RI
SEAD-27	Building 360 - Underground Waste Oil Tanks removal	USTs and surficial soils removed	Y		SI
SEAD-30	Building 118 - Underground Waste Oil Tank removal	UST removed in 1992	Y	NA	NA
SEAD-48	Pitchblende Storage Igloos contamination removal	Contaminated soils and residues around igloos removed, concrete on the interiors of igloos was vacuum blasted, and residues disposed of off-site in accordance with USNRC regulations	Y	SI	RI

Notes:

- ESI: Expanded site investigation
- FS: Feasibility Study
- IRP: Installation Restoration Program
- NA: Not applicable
- RI: Remedial investigation
- ROD: Record of Decision
- SI: Site investigation
- USNRC: U.S. Nuclear Regulatory Commission
- UST: Underground storage tank

**TABLE 3-3
UNDERGROUND STORAGE TANK SUMMARY**

BUILDING	UST NO.	YEAR INSTALLED	SIZE (gals)	SUBSTANCE STORED	STATUS
6	5	1984	500	FO	In use
101	6	1942	3,000	FO	Removed in 1996, replaced with AST #6
103	1	1988	2,500	FO	In use
106	9	1977	5,000	FO	Removed in 1996, replaced with AST #9
113	11	1985	2,000	FO	In use
114	12	1943	1,000	FO	In use
114	13	1943	1,000	FO	In use
117	25, 117 (EPA)	1982	2,005	Used oil	In use
120	168, 120A (EPA)	1985	20,000	Gasoline	In use
120	176, 120B (EPA)	1985	10,000	Diesel	In use
121	198	1943	30,000	#6	In use
126	15	1980	550	FO	In use
127	177, 127 (EPA)	1985	12,000	Diesel	In use
137	178	1983	550	FO	Emergency generator
202	76	1961	550	FO	In use
203	77	1961	550	FO	In use
204	78	1961	550	FO	In use
205	79	1961	550	FO	In use
206	80	1961	550	FO	In use
207	81	1961	550	FO	In use
215	91	1961	550	FO	TOS
216	92	1961	550	FO	TOS
217	93	1961	550	FO	TOS
308	20	1942	1,000	FO	In use
319	196	1951	30,000	#6	In use

**TABLE 3-3
UNDERGROUND STORAGE TANKS SUMMARY (continued)**

BUILDING	UST NO.	YEAR INSTALLED	SIZE (gals)	SUBSTANCE STORED	STATUS
319	197	1951	20,000	#6	In use
353	28	1954	500	FO	In use
606	33	1956	2,000	FO	Removed in 1996
609	34	1954	3,000	FO	In use
701	212	1987	550	FO	In use
710	36	1991	1,000	FO	Case Closed/Cleanup Complete
714	37	1957	1,000	FO	TOS
718	38, 718 (EPA)	1989	10,000	Used oil	TOS
718	194	1956	40,000	#6	In use
718	195	1978	20,000	#6	In use
719	172, 719 (EPA)	1985	15,000	Gasoline	In use
721	202, 721 (EPA)	1986	12,000	Diesel	TOS
729	39	1986	2,000	FO	TOS
729	213	1986	550	FO	Emergency Generator
732	59, 732 (EPA)	1982	550	Used oil	TOS
733	40	1971	1,000	FO	TOS
740	42	1960	1,000	FO	TOS
742	41	1984	550	FO	TOS
742	210, 742A (EPA)	1990	3,000	Gasoline	TOS
742	211, 742B (EPA)	1990	3,000	Gasoline	TOS
746	43	1982	3,000	FO	TOS
747	44	1982	4,000	FO	TOS
800	45	1981	1,500	FO	TOS
802	46	1956	1,000	FO	TOS
805	47	1956	1,000	FO	TOS
806	48	1991	1,000	FO	Case Closed/Cleanup Complete
812	52	1956	1,500	FO	TOS
813	53	1990	2,500	FO	In use

**TABLE 3-3
UNDERGROUND STORAGE TANKS SUMMARY (continued)**

BUILDING	UST NO.	YEAR INSTALLED	SIZE (gals)	SUBSTANCE STORED	STATUS
816	55	1983	3,000	FO	In use
817	56	1959	1,000	FO	TOS
819	57	1957	3,000	FO	Removed in 1996, replaced with AST #26
819	182, 819 (EPA)	1981	10,000	FO	In use
824	58	1961	550	FO	TOS
2073	203	1986	1,000	FO	In use
2301	68	1954	550	FO	TOS
2305	69	1957	1,000	FO	Case open
2306	70	1957	1,500	FO	Removed, replaced with AST #33
2401	141	1942	550	FO	In use
2403	142	1942	550	FO	In use
2404	143	1942	550	FO	In use
2406	144	1942	550	FO	In use
2411	184	unknown	1,500		Closed in place
2412	146	1942	550	FO	TOS
2414	147	1942	550	FO	TOS
2415	148	1942	550	FO	TOS
2418	149	1942	550	FO	TOS
2419	150	1942	550	FO	TOS
2421	151	1942	550	FO	TOS
2423	152	1942	550	FO	TOS
2425	153	1942	550	FO	TOS
2426	154	1942	550	FO	TOS
2427	155	1942	550	FO	TOS
2429	156	1942	550	FO	TOS
2432	157	1986	500	FO	TOS
2437	158	1942	550	FO	TOS

**TABLE 3-3
UNDERGROUND STORAGE TANKS SUMMARY (continued)**

BUILDING	UST NO.	YEAR INSTALLED	SIZE (gals)	SUBSTANCE STORED	STATUS
2438	159	1942	550	FO	TOS
2441	160	1942	550	FO	TOS
2443	161	1942	550	FO	TOS
2446	162	1942	550	FO	TOS
2448	163	1942	550	FO	TOS
2450	164	1942	550	FO	TOS
2453	166	1942	550	FO	TOS
2485	71	1981	1,000	FO	In use
106A	10	1977	500	FO	In use
200A/B	74	1961	550	FO	In use
201A/B	75	1961	550	FO	In use
210A/B	86	1961	550	FO	In use
211A/B	87	1961	550	FO	TOS
213A/B	89	1961	550	FO	TOS
218 A/B	94	1961	550	FO	In use
219A/B	95	1961	550	FO	In use
221A/B	96	1961	550	FO	In use
222A/B	97	1961	550	FO	TOS
223A/B	98	1961	550	FO	TOS
224A/B	99	1979	550	FO	TOS
224C/D	100	1961	550	FO	TOS
225 A/B	101	1961	550	FO	TOS
225C/D	102	1983	550	FO	TOS
226A/B	103	1961	550	FO	TOS
226C/D	104	1983	550	FO	TOS
227A/B	105	1961	550	FO	TOS
227C/D	106	1961	550	FO	TOS
228A/B	107	1961	550	FO	TOS

**TABLE 3-3
UNDERGROUND STORAGE TANKS SUMMARY (continued)**

BUILDING	UST NO.	YEAR INSTALLED	SIZE (gals)	SUBSTANCE STORED	STATUS
228C/D	108	1983	550	FO	TOS
229A/B	109	1961	550	FO	TOS
229C/D	110	1961	550	FO	TOS
230A/B	111	1961	550	FO	TOS
230C/D	112	1961	550	FO	TOS
231A/B	113	1961	550	FO	TOS
231C/D	114	1961	550	FO	TOS
232A/B	115	1961	550	FO	TOS
232C/D	116	1961	550	FO	TOS
233A/B	117	1961	550	FO	TOS
233C/D	118	1961	550	FO	TOS
234A/B	119	1961	550	FO	TOS
234C/D	120	1961	550	FO	TOS
235A/B	121	1961	550	FO	TOS
235C/D	122	1961	550	FO	TOS
236A/B	123	1961	550	FO	TOS
236C/D	124	1961	550	FO	TOS
237A/B	200	1961	550	FO	TOS
237C/D	201	1961	550	FO	TOS
238A/B	125	1961	1,000	FO	TOS
238C/D	126	1961	550	FO	TOS
239A/B	127	1961	550	FO	TOS
239C/D	128	1961	550	FO	TOS
240A/B	129	1961	550	FO	TOS
240C/D	130	1961	550	FO	TOS
241A/B	131	1961	550	FO	TOS
241C/D	132	1961	550	FO	TOS
242A/B	133	1961	550	FO	TOS

**TABLE 3-3
UNDERGROUND STORAGE TANKS SUMMARY (continued)**

BUILDING	UST NO.	YEAR INSTALLED	SIZE (gals)	SUBSTANCE STORED	STATUS
242C/D	134	1961	550	FO	TOS
243A/B	135	1961	1,000	FO	TOS
243C/D	136	1961	550	FO	TOS
244A/B	137	1961	550	FO	TOS
244C/D	138	1961	550	FO	TOS
245A/B	139	1961	550	FO	TOS
245C/D	140	1961	550	FO	TOS
360N	31	1980	1,000	FO	In use
360S	29	1969	500	FO	In use
360S	30	1969	500	FO	In use
Airfield	185, AIRF (EPA)	1990	30,000	JP-4	In use

Notes:

- AST: Aboveground storage tank
- EPA: EPA Registration number
- FO: Fuel oil/DF-1
- TOS: Temporarily out of service
- UST: Underground storage tank
- #6: #6 Fuel Oil

**TABLE 3-4
ABOVEGROUND STORAGE TANK SUMMARY**

BUILDING	AST NO.	YEAR INSTALLED	SIZE (gals)	SUBSTANCE STORED	STATUS
4	175	1946	275	Fuel Oil	In use
101	6	1996	1,000	FO	In use
102	167	1995	285	Gasoline	In use
104	8	1993	285	FO	In use
106	9	1996	1,000	FO	In use
118	23	1993	500	Used oil	In use
129	187	1982	60,000	FO	TOS
138	16	1993	500	FO	In use
214	90	1992	500	FO	TOS
309	21	1990	275	FO	In use
334	24	1993	275	FO	In use
334	170	1993	500	Gasoline	In use
367	32	1990	2,000	FO	In use
609	35	1953	1,000	FO	In use
715	180	1956	275	FO	Emergency generator
717	188	1956	40,600	FO	TOS
748	169	1983	275	FO	TOS
749	171	1986	275	FO	TOS
750	190	1985	275	FO	TOS
751	214	1987	250	FO	TOS
752	2	1992	275	FO	TOS
810	50	1967	550	FO	TOS
810	51	1967	550	FO	TOS
819	26	1996	1,000	FO	In use
2076	4	1988	275	FO	In use
2086	61	1995	285	FO	In use
2104	64	1995	285	FO	In use
2113	65	1993	500	FO	In use
2304	183	1995	285	FO	In use
2306	33	1996	1,000	FO	In use
2408	145	1991	2-275	FO	In use
2410	72	1942	2-275	FO	In use
2411	73	1992	2,000	FO	In use
2452	165	1992	285	FO	TOS
2456	174	1991	550	Gasoline	In use
2491	3	1988	275	FO	In use
2492	14	1988	275	FO	In use
2493	22	1988	275	FO	In use
2494	27	1988	275	FO	In use
2495	54	1988	275	FO	In use
2496	60	1988	275	FO	In use
2497	63	1988	275	FO	In use
2498	67	1988	275	FO	In use
2499	173	1988	275	FO	In use
2500	186	1988	275	FO	In use

**TABLE 3-4
ABOVEGROUND STORAGE TANKS SUMMARY (continued)**

BUILDING	AST NO.	YEAR INSTALLED	SIZE (gals)	SUBSTANCE STORED	STATUS
2501	189	1988	275	FO	In use
2502	191	1988	275	FO	In use
2504	192	1988	275	FO	In use
2505	193	1988	275	FO	In use
2507	199	1988	275	FO	In use
2508	204	1988	275	FO	In use
2509	205	1988	275	FO	In use
2510	206	1988	275	FO	In use
2511	207	1988	275	FO	In use
2512	208	1988	275	FO	In use
2513	209	1988	275	FO	In use
2514	216	1988	275	FO	In use
2515	217	1988	275	FO	In use
2516	218	1988	275	FO	In use
2517	219	1988	275	FO	In use
2518	220	1988	275	FO	In use
2519	221	1988	275	FO	In use
2520	222	1988	275	FO	In use
2521	223	1988	275	FO	In use
2523	224	1988	275	FO	In use
106G	7	1990	550	FO	In use
208E	82	1942	275	FO	TOS
208W	83	1942	275	FO	TOS
209E	84	1942	275	FO	TOS
209W	85	1942	275	FO	TOS
212A/B	88	1992	500	FO	TOS
LORAN C	215	1991	6,000	FO	In use
S142	17	1942	275	FO	In use
S142	18	1942	275	FO	In use
S142	19	1994	275	FO	In use
T137	179	1961	200	FO	In use

Notes:

AST: Aboveground storage tank
EPA: EPA Registration number
FO: Fuel oil/DF-1
TOS: Temporarily out of service
#6: #6 Fuel Oil

100% 100%
 90% 90%
 80% 80%
 70% 70%
 60% 60%
 50% 50%
 40% 40%
 30% 30%
 20% 20%
 10% 10%
 0% 0%

Year	1990	1991	1992	1993	1994	1995	1996
1	100	100	100	100	100	100	100
2	100	100	100	100	100	100	100
3	100	100	100	100	100	100	100
4	100	100	100	100	100	100	100
5	100	100	100	100	100	100	100
6	100	100	100	100	100	100	100
7	100	100	100	100	100	100	100
8	100	100	100	100	100	100	100
9	100	100	100	100	100	100	100
10	100	100	100	100	100	100	100
11	100	100	100	100	100	100	100
12	100	100	100	100	100	100	100
13	100	100	100	100	100	100	100
14	100	100	100	100	100	100	100
15	100	100	100	100	100	100	100
16	100	100	100	100	100	100	100
17	100	100	100	100	100	100	100
18	100	100	100	100	100	100	100
19	100	100	100	100	100	100	100
20	100	100	100	100	100	100	100
21	100	100	100	100	100	100	100
22	100	100	100	100	100	100	100
23	100	100	100	100	100	100	100
24	100	100	100	100	100	100	100
25	100	100	100	100	100	100	100
26	100	100	100	100	100	100	100
27	100	100	100	100	100	100	100
28	100	100	100	100	100	100	100
29	100	100	100	100	100	100	100
30	100	100	100	100	100	100	100
31	100	100	100	100	100	100	100
32	100	100	100	100	100	100	100
33	100	100	100	100	100	100	100
34	100	100	100	100	100	100	100
35	100	100	100	100	100	100	100
36	100	100	100	100	100	100	100
37	100	100	100	100	100	100	100
38	100	100	100	100	100	100	100
39	100	100	100	100	100	100	100
40	100	100	100	100	100	100	100
41	100	100	100	100	100	100	100
42	100	100	100	100	100	100	100
43	100	100	100	100	100	100	100
44	100	100	100	100	100	100	100
45	100	100	100	100	100	100	100
46	100	100	100	100	100	100	100
47	100	100	100	100	100	100	100
48	100	100	100	100	100	100	100
49	100	100	100	100	100	100	100
50	100	100	100	100	100	100	100

TABLE 3-5
RARE, THREATENED, OR ENDANGERED PLANT OR ANIMAL SPECIES
 To be completed following completion of endangered species survey (December, 1996)

**TABLE 3-6
BRAC PARCEL DESCRIPTIONS**

BRAC PARCEL NO. AND LABEL*	LOCATION (x, y coordinates)	APPROXIMATE SIZE^b (acres)	GEOGRAPHIC AREA	CERFA CATEGORY	BASIS
1(1)	18,6	189.10	Lake Housing Area	1	No record of storage, disposal, release or migration
2(1)	26,10	494.71	Airfield Area	1	No record of storage, disposal, release or migration
3(1)	16,15	7,878.39	Depot Wide	1	No record of storage, disposal, release or migration
4(1)	19,24	1.16	ca. 1 acre in Elliot Acres	1	No record of storage, disposal, release or migration
5(2)PS/HS	17,2	62.38	Lake Housing Area	2	Fuel Oil Storage Building 2485
6(2)PS	28,10	0.25	Airfield Area	2	JP8 UST - Building 2310
7(2)PS	28,10	0.25	Airfield Area	2	Fuel Oil UST - Building 2306
8(2)PS	28,10	0.25	Airfield Area	2	Fuel Oil UST - Building 2305
9(2)HS(P)	30,23	1.68	Main Depot Area	2	Acid Storage
10(2)PS	28,26	0.25	LORAN-C Area	2	Fuel Oil Storage
11(2)HS	24,22	2.02	Warehouse Area	2	Pesticide, soda ash, antifreeze - Building 327
12(2)HS	24,22	2.02	Warehouse Area	2	STB and chlorine impregnate storage - Building 326
13(2)HS	23,22	2.02	Warehouse Area	2	Pesticide, soda ash, antifreeze - Building 330
14(2)HS	22,22	2.02	Warehouse Area	2	Pesticide, soda ash, antifreeze - Building 331
15(2)HS	22,22	2.02	Warehouse Area	2	Building 324 - Columbite ore storage
16(2)HS	22,23	2.02	Warehouse Area	2	Pesticide, soda ash, antifreeze - Building 343
17(2)HS	22,22	2.02	Warehouse Area	2	Pesticide, soda ash, antifreeze - Building 323
18(2)HS	21,22	0.67	Warehouse Area	2	STB, DS-2, solvents - Building 333
19(2)HS	21,22	0.06	Warehouse Area	2	Hazardous waste storage - Building 307 (SEAD-1)
20(2)PS/HS	21,21	6.87	IPE Area	2	Solvents, petroleum products - IPE - Buildings 316, 317, 318, and 372
21(2)PS	20,23	26.54	Elliot Acres Housing Area	2	Fuel oil storage
22(2)PS	19,23	0.25	South Depot Area	2	Fuel oil storage - Building 101
23(2)PS	18,23	0.25	South Depot Area	2	Fuel oil storage - Building 103
24(2)PS/HS	19,23	0.47	South Depot Area	2	Auto Shop, waste oil UST - Building 118 (SEAD-30), gas station - Building 120
25(2)PS/HS	19,23	0.41	South Depot Area	2	Heavy Equipment Shop - Building 117, waste oil storage UST (SEAD-31)
26(2)HS	19,22	0.16	South Depot Area	2	Former paint shop Building 125
27(2)PS/HS	18,23	0.25	South Depot Area	2	Health Clinic, fuel oil storage Building 106
28(2)PS	18,22	0.25	South Depot Area	2	USTs - Building 114

**TABLE 3-6
BRAC PARCEL DESCRIPTIONS (continued)**

BRAC PARCEL NO. AND LABEL^a	LOCATION (x, y coordinates)	APPROXIMATE SIZE^b (acres)	GEOGRAPHIC AREA	CERFA CATEGORY	BASIS
29(2)PS	19.21	0.25	South Depot Area	2	Fuel oil storage - Building 129
30(2)PS	18.21	0.25	South Depot Area	2	Fuel oil storage - Building 113
31(2)PS/HS	20.21	0.25	Main Depot Area	2	Hydrofluosilic acid, paint, antifreeze, turpentine, diesel oil - Building 312 (General Supply)
32(2)PS	2.15	0.25	North Depot Area	2	Fuel oil storage - Building 800
33(2)PS	2.15	0.25	North Depot Area	2	Fuel oil storage - Building 729
34(2)PS	3.3	0.25	North Depot Area	2	Gas station, vehicle maintenance - Buildings 719, 721, 720
35(2)PS	2.2	0.25	North Depot Area	2	Fuel oil storage - Building 733
36(2)PS	3.14	0.25	North Depot Area	2	Fuel oil storage - Building 746
37(2)PS	3.12	0.25	North Depot Area	2	Fuel oil storage - Building 710
38(2)PS	2.12	0.71	North Depot Area	2	Gas station - Building 742
39(2)PS	2.12	0.25	North Depot Area	2	Fuel oil storage - Building 714
40(2)PS	2.12	0.25	North Depot Area	2	Fuel oil storage - Building 740
41(2)HS	14.9	0.25	Main Depot Area	2	Acid storage (SEAD-65A)
42(2)HS	14.9	0.25	Main Depot Area	2	Acid storage (SEAD-65B)
43(2)HS	14.9	0.25	Main Depot Area	2	Acid storage (SEAD-65C)
44(3)HR	29.26	0.25	LORAN-C Area	3	Halon spill
45(3)HS/HR	27.25	4.65	Warehouse Area	3	Columbite ore storage, DS-2 storage/spills Building 356 (SEAD-49)
46(3)HR	18.21	0.96	South Admin Area	3	Wood burn ash, pressure treated wood (SEAD-10)
47(3)PS/PR/HS	2.14	1.46	North Depot Area	3	Auto hobby shop, waste oil storage - Building 732 (SEAD-29)
48(5)HR	22.12	112.67	Main Depot Area	5	Non-combustible landfill (SEAD-8), incinerator cooling water pond (SEAD-3), ash landfill (SEAD-6), refuse burning pits (SEAD-14), solid waste incinerator (SEAD-15), disposal area west of Building 2203 (SEAD-64D)
49(5)HS/HR	29.19	72.79	Main Depot Area	5	Pitchblende storage and release (SEAD-48)
50(5)PS/PR/HR(P)	21.22	0.06	IPE Area	5	Boiler blowdown leach pit (SEAD-40), waste oil storage (SEAD-34), boilers at Building 319 (SEAD-37)
51(5)PS/PR/HS/HR(P)	21.21	0.25	IPE Area	5	Waste oil storage (SEAD-28) spill, steam Jenny (SEAD-27) - Building 360
52(5)PR	19.23	5.49	Main Depot Area	5	Spill from Building 138, partially clean
53(5)HR	3.17	15.79	Special Weapons Area	5	Radioactive waste burial (SEAD-12A)
54(6)HR(P)	16.2	0.25	Lake Housing Area	6	Pump house Building 2409 - Sewage release on east side of building

**TABLE 3-6
BRAC PARCEL DESCRIPTIONS (continued)**

BRAC PARCEL NO. AND LABEL*	LOCATION (x, y coordinates)	APPROXIMATE SIZE^b (acres)	GEOGRAPHIC AREA	CERFA CATEGORY	BASIS
55(6)PR(P)/HR	18,11	1.88	Main Depot Area	6	Abandoned powder burning area (SEAD-24)
56(6)PR	29,12	7.43	Airfield Area	6	Fuel spill
57(6)PS/PR/HR	32,17	178.84	Main Depot Area	6	Fuel oil storage, old construction debris landfill (SEAD-11), munitions washout plant (SEAD-4), boiler pit blowdown leach pit Building 2079 (SEAD-38), Dumping
58(6)HR	31,19	8.60	Main Depot Area	6	Garbage disposal area (SEAD-64B)
59(6)PS/PR/HR	31,22	7.57	Main Depot Area	6	Ammunition breakdown area - Buildings 608 and 612 (SEAD-52), oil discharge adjacent to Building 609 (SEAD-60), fuel oil storage
60(6)HR	32,23	3.72	Main Depot Area	6	Material proof and surveillance test area west of Building 616 (SEAD-44A)
61(6)HR	30,22	1.62	Main Depot Area	6	Material proof and surveillance test area on Brady Road (SEAD-44B)
62(6)HR(P)	31,23	1.82	Main Depot Area	6	Nicotine sulfate disposal area near Buildings 606 and 612 (SEAD-62)
63(6)PS/HS/HR	30,25	10.00	Main Depot Area	6	Building 606 - Old Missile Propellant Test Laboratory (SEAD-43), disposal area (SEAD-69), herbicide and pesticide storage (SEAD-56), UST at Building 606
64(6)HR	25,22	1.77	Main Depot Area	6	Debris landfill with raw asbestos (SEAD-64A)
65(6)HS/HR(P)	25,22	1.39	Warehouse Area	6	Open zinc ore pile
66(6)HR	26,22	9.26	Warehouse Area	6	Fire training pit (SEAD-26)
67(6)HS/HR(P)	26,26	0.89	Warehouse Area	6	Open chromite ore pile
68(6)HS/HR(P)	25,25	0.65	Warehouse Area	6	Open aluminum oxide ore pile
69(6)HS/HR(P)	26,26	0.55	Warehouse Area	6	Open antimony ore pile
70(6)HS/HR(P)	26,26	1.55	Warehouse Area	6	Open ferro chrome ore pile
71(6)HS/HR(P)	26,25	0.81	Warehouse Area	6	Open antimony ore pile
72(6)HS/HR	25,24	19.94	Tank Farm	6	Storage tanks for antimony, rutile, asbestos and silicon carbide (SEAD-50, SEAD-54)
73(6)HS/HR(P)	24,23	1.56	Warehouse Area	6	Open chromite ore pile
74(6)HS/HR(P)	24,22	0.74	Warehouse Area	6	Open ferro manganese ore pile
75(6)HS/HR(P)	23,23	1.94	Warehouse Area	6	Open chromite ore pile
76(6)HS/HR(P)	22,23	0.75	Warehouse Area	6	Open ferro manganese ore pile
77(6)PR/HR	22,22	0.49	Warehouse Area	6	Spill of PCB oil north of Building 325
78(6)HS/HR	21,21	3.08	Main Depot Area	6	Interviews revealed dumping of hazardous materials at DRMO yard
79(6)HR	20,22	2.82	Main Depot Area	6	Fire training pad (SEAD-25)

**TABLE 3-6
BRAC PARCEL DESCRIPTIONS (continued)**

BRAC PARCEL NO. AND LABEL^a	LOCATION (X, Y coordinates)	APPROXIMATE SIZE^b (acres)	GEOGRAPHIC AREA	CERFA CATEGORY	BASIS
80(6)PS/HR	20.20	1.93	Main Depot Area	6	Deactivation furnace; AST - Building 367 (SEAD-17)
81(6)HS/HR	19.21	0.43	Main Depot Area	6	Sewage sludge waste piles (SEAD-5)
82(6)HS/HR	19.21	4.47	Main Depot Area	6	Deactivation furnace - Building S-311 (SEAD-16), raw material storage yard S-361
83(6)HS/HR(P)	19.19	1.41	Main Depot Area	6	Open chromite ore pile
84(6)PS/PR(P)	18.19	1.16	Main Depot Area	6	Buildings 308, 306 - Boiler House, Inspector's Workshop, staining
85(6)PR/HR	19.21	0.69	USE Area	6	Fill area unknown contents west of Building 135 (SEAD-59)
86(6)PR/HS/HR	19.22	0.11	South Depot Area	6	Vehicle storage building with stained soil - Building 135
87(6)PS/PR/HR(P)	19.23	0.25	South Depot Area	6	Waste oil tank (SEAD-33), boiler plant blowdown leach pit (SEAD-39), boiler plant - Building 121 (SEAD-36)
88(6)PS/PR	19.22	0.14	South Depot Area	6	UST at Building 127 with stained soil
89(6)HR	18.22	1.16	South Depot Area	6	Alleged paint/solvent disposal area (SEAD-71)
90(6)PR/P/HR	17.22	2.07	Duck Ponds Area	6	Old scrap wood (SEAD-9)
91(6)HS/HR(P)	17.19	0.98	Main Depot Area	6	Open chromite ore pile
92(6)HS/HR(P)	16.19	4.62	Main Depot Area	6	Pesticide storage - Buildings 5 and 6 (SEAD-66)
93(6)HS/HR(P)	16.19	0.91	Main Depot Area	6	Open aluminum oxide ore pile
94(6)HR	16.20	5.12	Duck Ponds Area	6	Sewage Treatment Plant No. 4 (SEAD-20), dump site to east (SEAD-67)
95(6)HS/HR(P)	16.19	0.49	Main Depot Area	6	Open ferro manganese ore pile
96(6)HR	11.19	10.07	Duck Ponds Area	6	IRFNA disposal site (SEAD-13)
97(6)HR	11.20	8.81	Duck Ponds Area	6	IRFNA disposal site (SEAD-13)
98(6)PS/HS/HR	4.17	334.79	Special Weapons Area	6	Buildings 813-817 - paints, boiler pits, petroleum release, tritium release, unknown burial activities
					Radioactive waste burial north of Buildings 804 and 805 (SEAD-12B), mixed waste storage - Building 803 (SEAD-72), incinerator and Building 810 (SEAD-19), USTs at Buildings 802 and 805
					Unknown contents/unknown storage at Building 810
					Unknown activities/storage at Building 819, igloos A0101 and A0102
99(6)PS/PR	3.15	0.25	Special Weapons Area	6	Former MP gas station (removed tank)
100(6)PS/PR/HS/HR	3.14	0.85	North Depot Area	6	Building 747 - unknown contents/unknown storage
101(6)PS/PR/HS/HR	3.13	0.08	North Depot Area	6	Waste oil tank (SEAD-32, SEAD-61), Waste oil-burning boilers (SEAD-35), boiler blowdown leach pit (SEAD-41) - Building 718

**TABLE 3-6
BRAC PARCEL DESCRIPTIONS (continued)**

BRAC PARCEL NO. AND LABEL* (x, y coordinates)	LOCATION (x, y coordinates)	APPROXIMATE SIZE ^b (acres)	GEOGRAPHIC AREA	CERFA CATEGORY	BASIS
102(6)PS/PR(P)	3,13	1.52	North Depot Area	6	Buildings 716-717 - fuel oil filling and storage station, auto hobby shop, stained soil
103(6)HR	5,13	3.64	Special Weapons Area	6	Miscellaneous components burial area (SEAD-63)
104(6)PR/HS/HR	5,9	1055.65	Main Depot Area	6	Open burning (SEAD-23), Open detonation (SEAD-45), explosive ordnance disposal (SEAD-57), filled area at Building T-2110 (SEAD-70), training area
105(6)HS/HR(P)	15,13	1.95	Main Depot Area	6	Aluminum oxide ore pile
106(6)HR	17,11	11.36	Main Depot Area	6	Debris area near Booster Station 2131 (SEAD-58), possible DDT disposal
107(7)	30,10	0.25	Airfield Area	7	Conex unknown contents
108(7)HS(P)/HR(P)	22,22	0.09	Warehouse Area	7	Old pest control shop - Building S-335 (SEAD-68)
109(7)	17,20	4.95	Duck Ponds Area	7	Mounds possibly related to small arms range north of Building 309
110(7)	11,21	1.10	Duck Ponds Area	7	Mound of unknown contents
111(7)	3,17	0.25	Duck Ponds Area	7	Mound of unknown contents
112(7)	2,17	0.25	Duck Ponds Area	7	Mound of unknown contents
113(7)	2,11	4.96	North Depot Area	7	Mounds and a rusty drum

Notes:

(a) BRAC parcel label definitions are as follows:

- PS: Petroleum storage
- PR: Petroleum release or disposal
- HS: Hazardous substance storage
- HR: Hazardous substance release or disposal

Qualified parcel label definitions are as follows

- A: Asbestos containing material
- L: Lead-based paint
- P: Polychlorinated biphenyls
- (P): Possible (unverified)
- R: Radon
- RD: Radionuclides
- X: UXO and/or ordnance fragments

(b) Acreage figures are approximate; they have been calculated using AutoCad Release 13.

- BRAC: Base Realignment and Closure
- CERFA: Community Environmental Response Facilitation Act
- DRMO: Defense Reutilization and Marketing Office
- DS-2: Diethylenetriamine
- IRFNA: Inhibited red fuming nitric acid
- MP: Military Police
- PCB: Polychlorinated biphenyl
- STB: Super topical bleach
- UST: Underground storage tank

TABLE 3-7
QUALIFIED PARCEL DESCRIPTIONS

QUALIFIED PARCEL NUMBER AND LABEL	APPROXIMATE SIZE (acres)	GEOGRAPHIC AREA	BUILDING NUMBER
2-2301Q-L(P)	0.023	Airfield	2301
2-2302Q-L(P)	0.023	Airfield	2302
2-2304Q-L(P)	0.050	Airfield	2304
3-10-A(P)/L(P)	0.006	Main Depot	1
3-102Q-L(P)	0.010	South Depot	102
3-104Q-A(P)/L(P)	0.011	South Depot	104
3-110Q-L(P)	0.003	South Depot	110
3-115Q-L(P)/R	0.325	South Depot	115
3-116Q-L(P)	0.309	South Depot	116
3-119Q-L(P)	0.074	South Depot	119
3-122Q-A/L(P)	0.283	South Depot	122
3-123Q-L(P)	0.074	South Depot	123
3-124Q-A/L(P)	0.036	South Depot	124
3-125Q-A/L(P)	0.098	South Depot	125
3-131Q-L(P)	0.055	Main Depot	131
3-137Q-A(P)	0.004	Main Depot	137
3-143Q-L(P)	0.001	Main Depot	143
3-145Q-A(P)/L(P)	0.013	Main Depot	145
3-247Q-A/L(P)	0.001	Main Depot	247
3-301Q-L(P)/P	0.019	Main Depot	301
3-304Q-L(P)	0.019	Main Depot	304
3-309Q-A/L(P)	0.189	Main Depot	309
3-310Q-L(P)	0.019	Main Depot	310
3-313Q-L(P)	0.003	Main Depot	313
3-314Q-L(P)	0.010	Main Depot	314
3-320Q-A(P)/L(P)	0.374	Main Depot	320
3-321Q-L(P)/RD	0.275	Main Depot	321
3-322Q-L(P)	0.006	Main Depot	322
3-325Q-A(P)/L(P)	2.066	Warehouse	325
3-328Q-A(P)/L(P)/X(P)	2.066	Warehouse	328
3-329Q-A(P)/L(P)	2.066	Warehouse	329
3-332Q-A(P)/L(P)	2.066	Warehouse	332
3-334Q-A/L(P)	0.725	Warehouse	334
3-339Q-A(P)/L(P)	2.066	Warehouse	339
3-340Q-A(P)/L(P)	2.066	Warehouse	340
3-341Q-A(P)/L(P)	2.066	Warehouse	341
3-342Q-A(P)/L(P)	2.066	Warehouse	342
3-345Q-A(P)/L(P)	2.066	Warehouse	345
3-346Q-A(P)/L(P)	2.066	Warehouse	346
3-347Q-A(P)/L(P)	2.066	Warehouse	347
3-348Q-A(P)/L(P)	2.066	Warehouse	348
3-349Q-A(P)/L(P)	2.066	Warehouse	349
3-350Q-A(P)/L(P)	2.066	Warehouse	350
3-353Q-A/L(P)	0.038	Warehouse	353
3-357Q-A(P)/L(P)	4.664	Warehouse	357
3-359Q-A/L(P)	0.003	Main Depot	359
3-360Q-A(P)	0.024	Main Depot	360
3-363Q-A(P)/L(P)	0.002	Main Depot	363

**TABLE 3-7
QUALIFIED PARCEL DESCRIPTIONS (continued)**

QUALIFIED PARCEL NUMBER AND LABEL^a	APPROXIMATE SIZE (acres)	GEOGRAPHIC AREA	BUILDING NUMBER
3-366Q-A(P)/L(P)/X(P)	0.022	Main Depot	366
3-373Q-A(P)/L(P)	0.024	Main Depot	373
3-701Q-A/L(P)	0.328	North Depot	701
3-702Q-A/L(P)	0.420	North Depot	702
3-703Q-A	0.931	North Depot	703
3-704Q-A/L(P)	0.714	North Depot	704
3-705Q-A/L(P)	0.184	North Depot	705
3-706Q-L(P)	0.085	North Depot	706
3-707Q-L(P)	0.434	North Depot	707
3-708Q-A/L(P)	0.714	North Depot	708
3-709Q-A(P)/L(P)	0.000	North Depot	709
3-711Q-L(P)	0.002	North Depot	711
3-715Q-A/L(P)	0.110	North Depot	715
3-722Q-L(P)	0.108	North Depot	722
3-723Q-A/L(P)	0.532	North Depot	723
3-724Q-L(P)	0.207	North Depot	724
3-725Q-L(P)	0.004	North Depot	725
3-726Q-L(P)	0.022	North Depot	726
3-727Q-L(P)	0.030	North Depot	727
3-728Q-L(P)	0.004	North Depot	728
3-731Q-L(P)	0.158	North Depot	731
3-743Q-A/L(P)	0.011	North Depot	743
3-749Q-L(P)	0.019	North Depot	749
3-1495Q-L(P)	0.001	Main Depot	1495
3-1593Q-A(P)/L(P)	0.003	Main Depot	1593
3-1594Q-X(P)	0.069	Main Depot	1594
3-2086Q-A(P)/L(P)	0.017	Main Depot	2086
3-2113Q-L(P)	0.004	Main Depot	2113
3-2117Q-A/L(P)/X(P)	0.259	Main Depot	2117
3-2118Q-A/L(P)/X(P)	0.259	Main Depot	2118
3-2119Q-A/L(P)/X(P)	0.259	Main Depot	2119
3-2120Q-A/L(P)/X(P)	0.259	Main Depot	2120
3-2121Q-A/L(P)/X(P)	0.259	Main Depot	2121
3-2122A/L(P)/X(P)	0.259	Main Depot	2122
3-2123Q-A/L(P)/X(P)	0.259	Main Depot	2123
3-2124Q-A/L(P)/X(P)	0.259	Main Depot	2124
3-2126Q-L(P)	0.019	Main Depot	2126
3-2129Q-L(P)	0.019	Main Depot	2129
3-2132Q-X(P)	0.002	Main Depot	2132
3-2133Q-X(P)	0.002	Main Depot	2133
3-2200Q-L(P)	0.019	Main Depot	2200
3-2202Q-A(P)/L(P)	0.003	Main Depot	2202
3-2204Q-L(P)	0.019	Main Depot	2204
3-2207Q-A/L(P)/X(P)	0.082	Main Depot	2207
3-705A1Q-A/L(P)	0.088	North Depot	705A
3-A0201Q-X(P)/RD	0.056	Special Weapons	A0201
3-A0202Q-X(P)/RD	0.042	Special Weapons	A0202
3-A0203Q-X(P)/RD	0.056	Special Weapons	A0203
3-A0204Q-X(P)/RD	0.042	Special Weapons	A0204
3-A0205Q-X(P)/RD	0.056	Special Weapons	A0205

TABLE 3-7
 QUALIFIED PARCEL DESCRIPTIONS (continued)

QUALIFIED PARCEL NUMBER AND LABEL	APPROXIMATE SIZE (acres)	GEOGRAPHIC AREA	BUILDING NUMBER
3-A0206Q-X(P)/RD	0.42	Special Weapons	A0206
3-A0207Q-X(P)/RD	0.56	Special Weapons	A0207
3-A0208Q-X(P)/RD	0.42	Special Weapons	A0208
3-A0209Q-X(P)/RD	0.56	Special Weapons	A0209
3-A0210Q-X(P)/RD	0.42	Special Weapons	A0210
3-A0211Q-X(P)/RD	0.56	Special Weapons	A0211
3-A0212Q-X(P)/RD	0.42	Special Weapons	A0212
3-A0213Q-X(P)/RD	0.56	Special Weapons	A0213
3-A0214Q-X(P)/RD	0.42	Special Weapons	A0214
3-A0215Q-X(P)/RD	0.56	Special Weapons	A0215
3-A0216Q-X(P)/RD	0.42	Special Weapons	A0216
3-A0217Q-X(P)/RD	0.56	Special Weapons	A0217
3-A0218Q-X(P)/RD	0.42	Special Weapons	A0218
3-A0301Q-X(P)/RD	0.42	Special Weapons	A0301
3-A0302Q-X(P)/RD	0.56	Special Weapons	A0302
3-A0303Q-X(P)/RD	0.42	Special Weapons	A0303
3-A0304Q-X(P)/RD	0.56	Special Weapons	A0304
3-A0305Q-X(P)/RD	0.42	Special Weapons	A0305
3-A0306Q-X(P)/RD	0.56	Special Weapons	A0306
3-A0307Q-X(P)/RD	0.42	Special Weapons	A0307
3-A0308Q-X(P)/RD	0.56	Special Weapons	A0308
3-A0309Q-X(P)/RD	0.42	Special Weapons	A0309
3-A0310Q-X(P)/RD	0.56	Special Weapons	A0310
3-A0311Q-X(P)/RD	0.42	Special Weapons	A0311
3-A0312Q-X(P)/RD	0.56	Special Weapons	A0312
3-A0313Q-X(P)/RD	0.42	Special Weapons	A0313
3-A0314Q-X(P)/RD	0.56	Special Weapons	A0314
3-A0315Q-X(P)/RD	0.42	Special Weapons	A0315
3-A0316Q-X(P)/RD	0.56	Special Weapons	A0316
3-A0317Q-X(P)/RD	0.42	Special Weapons	A0317
3-A0401Q-X(P)/RD	0.42	Special Weapons	A0401
3-A0402Q-X(P)/RD	0.42	Special Weapons	A0402
3-A0403Q-X(P)/RD	0.42	Special Weapons	A0403
3-A0404Q-X(P)/RD	0.42	Special Weapons	A0404
3-A0405Q-X(P)/RD	0.42	Special Weapons	A0405
3-A0406Q-X(P)/RD	0.42	Special Weapons	A0406
3-A0407Q-X(P)/RD	0.42	Special Weapons	A0407
3-A0408Q-X(P)/RD	0.42	Special Weapons	A0408
3-A0409Q-X(P)/RD	0.42	Special Weapons	A0409
3-A0501Q-X(P)/RD	0.42	Special Weapons	A0501
3-A0502Q-X(P)/RD	0.42	Special Weapons	A0502
3-A0503Q-X(P)/RD	0.42	Special Weapons	A0503
3-A0504Q-X(P)/RD	0.42	Special Weapons	A0504
3-A0505Q-X(P)/RD	0.42	Special Weapons	A0505
3-A0506Q-X(P)/RD	0.42	Special Weapons	A0506
3-A0507Q-X(P)/RD	0.42	Special Weapons	A0507
3-A0508Q-X(P)/RD	0.42	Special Weapons	A0508
3-A0601Q-X(P)/RD	0.42	Special Weapons	A0601
3-A0602Q-X(P)/RD	0.42	Special Weapons	A0602
3-A0603Q-X(P)/RD	0.42	Special Weapons	A0603

**TABLE 3-7
QUALIFIED PARCEL DESCRIPTIONS (continued)**

QUALIFIED PARCEL NUMBER AND LABEL¹	APPROXIMATE SIZE (acres)	GEOGRAPHIC AREA	BUILDING NUMBER
3-A0604Q-X(P)/RD	0.042	Special Weapons	A0604
3-A0605Q-X(P)/RD	0.042	Special Weapons	A0605
3-A0606Q-X(P)/RD	0.042	Special Weapons	A0606
3-A0607Q-X(P)/RD	0.042	Special Weapons	A0607
3-A0608Q-X(P)/RD	0.042	Special Weapons	A0608
3-A0609Q-X(P)/RD	0.042	Special Weapons	A0609
3-A0610Q-X(P)/RD	0.042	Special Weapons	A0610
3-A0701Q-X(P)/RD	0.042	Main Depot	A0701
3-A0702Q-X(P)	0.042	Main Depot	A0702
3-A0703Q-X(P)	0.042	Main Depot	A0703
3-A0704Q-X(P)	0.042	Main Depot	A0704
3-A0705Q-X(P)	0.042	Main Depot	A0705
3-A0706Q-X(P)/RD	0.042	Main Depot	A0706
3-A0707Q-X(P)/RD	0.042	Main Depot	A0707
3-A0708Q-X(P)	0.042	Main Depot	A0708
3-A0709Q-X(P)	0.042	Main Depot	A0709
3-A0710Q-X(P)	0.042	Main Depot	A0710
3-A0711Q-X(P)	0.042	Main Depot	A0711
3-A0801Q-X(P)	0.042	Main Depot	A0801
3-A0802Q-X(P)	0.042	Main Depot	A0802
3-A0803Q-X(P)	0.042	Main Depot	A0803
3-A0804Q-X(P)	0.042	Main Depot	A0804
3-A0805Q-X(P)	0.042	Main Depot	A0805
3-A0806Q-X(P)	0.042	Main Depot	A0806
3-A0807Q-X(P)	0.042	Main Depot	A0807
3-A0808Q-X(P)	0.042	Main Depot	A0808
3-A0809Q-X(P)	0.042	Main Depot	A0809
3-A0810Q-X(P)	0.042	Main Depot	A0810
3-A0811Q-X(P)	0.042	Main Depot	A0811
3-A0901Q-X(P)/RD	0.042	Main Depot	A0901
3-A0902Q-X(P)	0.042	Main Depot	A0902
3-A0903Q-X(P)	0.042	Main Depot	A0903
3-A0904Q-X(P)	0.042	Main Depot	A0904
3-A0905Q-X(P)/RD	0.042	Main Depot	A0905
3-A0906Q-X(P)	0.042	Main Depot	A0906
3-A0907Q-X(P)	0.042	Main Depot	A0907
3-A0908Q-X(P)	0.042	Main Depot	A0908
3-A0909Q-X(P)	0.042	Main Depot	A0909
3-A0910Q-X(P)	0.042	Main Depot	A0910
3-A1001Q-X(P)	0.042	Main Depot	A1001
3-A1002Q-X(P)	0.042	Main Depot	A1002
3-A1003Q-X(P)	0.042	Main Depot	A1003
3-A1004Q-X(P)	0.042	Main Depot	A1004
3-A1005Q-X(P)	0.042	Main Depot	A1005
3-A1006Q-X(P)	0.042	Main Depot	A1006
3-A1007Q-X(P)	0.042	Main Depot	A1007
3-A1008Q-X(P)	0.042	Main Depot	A1008
3-A1009Q-X(P)	0.042	Main Depot	A1009
3-A1010Q-X(P)	0.042	Main Depot	A1010
3-A1011Q-X(P)	0.042	Main Depot	A1011

**TABLE 3-7
QUALIFIED PARCEL DESCRIPTIONS (continued)**

QUALIFIED PARCEL NUMBER AND LABEL^a	APPROXIMATE SIZE (acres)	GEOGRAPHIC AREA	BUILDING NUMBER
3-B0405Q-X(P)	0.042	Main Depot	B0405
3-B0406Q-X(P)	0.042	Main Depot	B0406
3-B0407Q-X(P)	0.042	Main Depot	B0407
3-B0408Q-X(P)	0.042	Main Depot	B0408
3-B0409Q-X(P)	0.042	Main Depot	B0409
3-B0410Q-X(P)	0.042	Main Depot	B0410
3-B0411Q-X(P)/RD	0.042	Main Depot	B0411
3-B0501Q-X(P)/RD	0.042	Main Depot	B0501
3-B0502Q-X(P)	0.042	Main Depot	B0502
3-B0503Q-X(P)	0.042	Main Depot	B0503
3-B0504Q-X(P)	0.042	Main Depot	B0504
3-B0505Q-X(P)	0.042	Main Depot	B0505
3-B0506Q-X(P)	0.042	Main Depot	B0506
3-B0507Q-X(P)	0.042	Main Depot	B0507
3-B0508Q-X(P)	0.042	Main Depot	B0508
3-B0509Q-X(P)	0.042	Main Depot	B0509
3-B0510Q-X(P)	0.042	Main Depot	B0510
3-B0511Q-X(P)	0.042	Main Depot	B0511
3-B0601Q-X(P)	0.042	Main Depot	B0601
3-B0602Q-X(P)/RD	0.042	Main Depot	B0602
3-B0603Q-X(P)/RD	0.042	Main Depot	B0603
3-B0604Q-X(P)	0.042	Main Depot	B0604
3-B0605Q-X(P)	0.042	Main Depot	B0605
3-B0606Q-X(P)	0.042	Main Depot	B0606
3-B0607Q-X(P)	0.042	Main Depot	B0607
3-B0608Q-X(P)	0.042	Main Depot	B0608
3-B0609Q-X(P)/RD	0.042	Main Depot	B0609
3-B0610Q-X(P)	0.042	Main Depot	B0610
3-B0611Q-X(P)	0.042	Main Depot	B0611
3-B0701Q-X(P)	0.042	Main Depot	B0701
3-B0702Q-X(P)	0.042	Main Depot	B0702
3-B0703Q-X(P)	0.042	Main Depot	B0703
3-B0704Q-X(P)	0.042	Main Depot	B0704
3-B0705Q-X(P)/RD	0.042	Main Depot	B0705
3-B0706Q-X(P)	0.042	Main Depot	B0706
3-B0707Q-X(P)/RD	0.042	Main Depot	B0707
3-B0708Q-X(P)/RD	0.042	Main Depot	B0708
3-B0709Q-X(P)/RD	0.042	Main Depot	B0709
3-B0710Q-X(P)	0.042	Main Depot	B0710
3-B0711Q-X(P)/RD	0.042	Main Depot	B0711
3-B0801Q-X(P)	0.042	Main Depot	B0801
3-B0802Q-X(P)/RD	0.042	Main Depot	B0802
3-B0803Q-X(P)	0.042	Main Depot	B0803
3-B0804Q-X(P)/RD	0.042	Main Depot	B0804
3-B0805Q-X(P)	0.042	Main Depot	B0805
3-B0806Q-X(P)	0.042	Main Depot	B0806
3-B0807Q-X(P)	0.042	Main Depot	B0807
3-B0808Q-X(P)	0.042	Main Depot	B0808
3-B0809Q-X(P)	0.042	Main Depot	B0809
3-B0810Q-X(P)	0.042	Main Depot	B0810

TABLE 3-7
 QUALIFIED PARCEL DESCRIPTIONS (continued)

QUALIFIED PARCEL NUMBER AND LABEL	APPROXIMATE SIZE (acres)	GEOGRAPHIC AREA	BUILDING NUMBER
3-B0811Q-X(F)	0.42	Main Depot	B0811
3-B0901Q-X(F)	0.42	Main Depot	B0901
3-B0902Q-X(F)	0.42	Main Depot	B0902
3-B0903Q-X(F)	0.42	Main Depot	B0903
3-B0904Q-X(F)	0.42	Main Depot	B0904
3-B0905Q-X(F)	0.42	Main Depot	B0905
3-B0906Q-X(F)	0.42	Main Depot	B0906
3-B0907Q-X(F)	0.42	Main Depot	B0907
3-B0908Q-X(F)	0.42	Main Depot	B0908
3-B0909Q-X(F)/RD	0.42	Main Depot	B0909
3-B0910Q-X(F)	0.42	Main Depot	B0910
3-B0911Q-X(F)	0.42	Main Depot	B0911
3-C0101Q-X(F)	0.42	Main Depot	C0101
3-C0102Q-X(F)	0.42	Main Depot	C0102
3-C0103Q-X(F)	0.42	Main Depot	C0103
3-C0104Q-X(F)	0.42	Main Depot	C0104
3-C0105Q-X(F)	0.42	Main Depot	C0105
3-C0106Q-X(F)	0.42	Main Depot	C0106
3-C0107Q-X(F)	0.42	Main Depot	C0107
3-C0108Q-X(F)	0.42	Main Depot	C0108
3-C0109Q-X(F)	0.42	Main Depot	C0109
3-C0110Q-X(F)	0.42	Main Depot	C0110
3-C0111Q-X(F)	0.42	Main Depot	C0111
3-C0201Q-X(F)	0.42	Main Depot	C0201
3-C0202Q-X(F)	0.42	Main Depot	C0202
3-C0203Q-X(F)/RD	0.42	Main Depot	C0203
3-C0204Q-X(F)	0.42	Main Depot	C0204
3-C0205Q-X(F)	0.42	Main Depot	C0205
3-C0206Q-X(F)	0.42	Main Depot	C0206
3-C0207Q-X(F)	0.42	Main Depot	C0207
3-C0208Q-X(F)	0.42	Main Depot	C0208
3-C0209Q-X(F)	0.42	Main Depot	C0209
3-C0210Q-X(F)	0.42	Main Depot	C0210
3-C0211Q-X(F)	0.42	Main Depot	C0211
3-C0301Q-X(F)	0.42	Main Depot	C0301
3-C0302Q-X(F)	0.42	Main Depot	C0302
3-C0303Q-X(F)/RD	0.42	Main Depot	C0303
3-C0304Q-X(F)	0.42	Main Depot	C0304
3-C0305Q-X(F)	0.42	Main Depot	C0305
3-C0306Q-X(F)	0.42	Main Depot	C0306
3-C0307Q-X(F)/RD	0.42	Main Depot	C0307
3-C0308Q-X(F)/RD	0.42	Main Depot	C0308
3-C0309Q-X(F)	0.42	Main Depot	C0309
3-C0310Q-X(F)	0.42	Main Depot	C0310
3-C0311Q-X(F)	0.42	Main Depot	C0311
3-C0401Q-X(F)	0.42	Main Depot	C0401
3-C0402Q-X(F)	0.42	Main Depot	C0402
3-C0403Q-X(F)/RD	0.42	Main Depot	C0403
3-C0404Q-X(F)	0.42	Main Depot	C0404
3-C0405Q-X(F)/RD	0.42	Main Depot	C0405

**TABLE 3-7
QUALIFIED PARCEL DESCRIPTIONS (continued)**

QUALIFIED PARCEL NUMBER AND LABEL^a	APPROXIMATE SIZE (acres)	GEOGRAPHIC AREA	BUILDING NUMBER
3-C0406Q-X(P)/RD	0.042	Main Depot	C0406
3-C0407Q-X(P)/RD	0.042	Main Depot	C0407
3-C0408Q-X(P)/RD	0.042	Main Depot	C0408
3-C0409Q-X(P)	0.042	Main Depot	C0409
3-C0410Q-X(P)	0.042	Main Depot	C0410
3-C0411Q-X(P)	0.042	Main Depot	C0411
3-C0412Q-X(P)	0.042	Main Depot	C0412
3-C0501Q-X(P)/RD	0.042	Main Depot	C0501
3-C0502Q-X(P)	0.042	Main Depot	C0502
3-C0503Q-X(P)/RD	0.042	Main Depot	C0503
3-C0504Q-X(P)/RD	0.042	Main Depot	C0504
3-C0505Q-X(P)/RD	0.042	Main Depot	C0505
3-C0506Q-X(P)	0.042	Main Depot	C0506
3-C0507Q-X(P)	0.042	Main Depot	C0507
3-C0508Q-X(P)/RD	0.042	Main Depot	C0508
3-C0509Q-X(P)	0.042	Main Depot	C0509
3-C0510Q-X(P)/RD	0.042	Main Depot	C0510
3-C0511Q-X(P)/RD	0.042	Main Depot	C0511
3-C0512Q-X(P)	0.042	Main Depot	C0512
3-C0513Q-X(P)/RD	0.042	Main Depot	C0513
3-C0601Q-X(P)	0.042	Main Depot	C0601
3-C0602Q-X(P)	0.042	Main Depot	C0602
3-C0603Q-X(P)/RD	0.042	Main Depot	C0603
3-C0604Q-X(P)/RD	0.042	Main Depot	C0604
3-C0605Q-X(P)/RD	0.042	Main Depot	C0605
3-C0606Q-X(P)/RD	0.042	Main Depot	C0606
3-C0607Q-X(P)	0.042	Main Depot	C0607
3-C0608Q-X(P)/RD	0.042	Main Depot	C0608
3-C0609Q-X(P)	0.042	Main Depot	C0609
3-C0610Q-X(P)	0.042	Main Depot	C0610
3-C0611Q-X(P)	0.042	Main Depot	C0611
3-C0701Q-X(P)	0.042	Main Depot	C0701
3-C0702Q-X(P)	0.042	Main Depot	C0702
3-C0703Q-X(P)	0.042	Main Depot	C0703
3-C0704Q-X(P)	0.042	Main Depot	C0704
3-C0705Q-X(P)	0.042	Main Depot	C0705
3-C0706Q-X(P)	0.042	Main Depot	C0706
3-C0707Q-X(P)	0.042	Main Depot	C0707
3-C0708Q-X(P)	0.042	Main Depot	C0708
3-C0709Q-X(P)	0.042	Main Depot	C0709
3-C0801Q-X(P)/RD	0.042	Main Depot	C0801
3-C0802Q-X(P)	0.042	Main Depot	C0802
3-C0803Q-X(P)/RD	0.042	Main Depot	C0803
3-C0804Q-X(P)	0.042	Main Depot	C0804
3-C0805Q-X(P)	0.042	Main Depot	C0805
3-C0806Q-X(P)	0.042	Main Depot	C0806
3-C0807Q-X(P)/RD	0.042	Main Depot	C0807
3-C0808Q-X(P)	0.042	Main Depot	C0808
3-C0809Q-X(P)/RD	0.042	Main Depot	C0809
3-C0901Q-X(P)	0.042	Main Depot	C0901

TABLE 3-7
 QUALIFIED PARCEL DESCRIPTIONS (continued)

QUALIFIED PARCEL NUMBER AND LABEL	APPROXIMATE SIZE (acres)	GEOGRAPHIC AREA	BUILDING NUMBER
3-C0902Q-X(P)/RD	0.042	Main Depot	C0902
3-C0903Q-X(P)	0.042	Main Depot	C0903
3-C0904Q-X(P)	0.042	Main Depot	C0904
3-C0905Q-X(P)	0.042	Main Depot	C0905
3-C0906Q-X(P)/RD	0.042	Main Depot	C0906
3-C0907Q-X(P)/RD	0.042	Main Depot	C0907
3-C0908Q-X(P)/RD	0.042	Main Depot	C0908
3-C0909Q-X(P)/RD	0.042	Main Depot	C0909
3-C0910Q-X(P)	0.042	Main Depot	C0910
3-C0911Q-X(P)	0.042	Main Depot	C0911
3-C0912Q-X(P)	0.042	Main Depot	C0912
3-C0913Q-X(P)	0.042	Main Depot	C0913
3-D0101Q-X(P)	0.042	Main Depot	D0101
3-D0102Q-X(P)	0.042	Main Depot	D0102
3-D0103Q-X(P)	0.042	Main Depot	D0103
3-D0104Q-X(P)/RD	0.042	Main Depot	D0104
3-D0105Q-X(P)/RD	0.042	Main Depot	D0105
3-D0106Q-X(P)	0.042	Main Depot	D0106
3-D0107Q-X(P)	0.042	Main Depot	D0107
3-D0108Q-X(P)/RD	0.042	Main Depot	D0108
3-D0109Q-X(P)	0.042	Main Depot	D0109
3-D0110Q-X(P)/RD	0.042	Main Depot	D0110
3-D0111Q-X(P)	0.042	Main Depot	D0111
3-D0112Q-X(P)	0.042	Main Depot	D0112
3-D0113Q-X(P)/RD	0.042	Main Depot	D0113
3-D0201Q-X(P)	0.042	Main Depot	D0201
3-D0202Q-X(P)	0.042	Main Depot	D0202
3-D0203Q-X(P)	0.042	Main Depot	D0203
3-D0204Q-X(P)	0.042	Main Depot	D0204
3-D0205Q-X(P)	0.042	Main Depot	D0205
3-D0206Q-X(P)/RD	0.042	Main Depot	D0206
3-D0207Q-X(P)/RD	0.042	Main Depot	D0207
3-D0208Q-X(P)	0.042	Main Depot	D0208
3-D0209Q-X(P)	0.042	Main Depot	D0209
3-D0210Q-X(P)	0.042	Main Depot	D0210
3-D0211Q-X(P)	0.042	Main Depot	D0211
3-D0212Q-X(P)	0.042	Main Depot	D0212
3-D0301Q-X(P)	0.042	Main Depot	D0301
3-D0302Q-X(P)	0.042	Main Depot	D0302
3-D0303Q-X(P)	0.042	Main Depot	D0303
3-D0304Q-X(P)	0.042	Main Depot	D0304
3-D0305Q-X(P)/RD	0.042	Main Depot	D0305
3-D0306Q-X(P)/RD	0.042	Main Depot	D0306
3-D0307Q-X(P)	0.042	Main Depot	D0307
3-D0308Q-X(P)	0.042	Main Depot	D0308
3-D0309Q-X(P)	0.042	Main Depot	D0309
3-D0310Q-X(P)	0.042	Main Depot	D0310
3-D0311Q-X(P)	0.042	Main Depot	D0311
3-D0312Q-X(P)/RD	0.042	Main Depot	D0312
3-D0313Q-X(P)	0.042	Main Depot	D0313

**TABLE 3-7
QUALIFIED PARCEL DESCRIPTIONS (continued)**

QUALIFIED PARCEL NUMBER AND LABEL¹	APPROXIMATE SIZE (acres)	GEOGRAPHIC AREA	BUILDING NUMBER
3-D0401Q-X(P)/RD	0.042	Main Depot	D0401
3-D0402Q-X(P)	0.042	Main Depot	D0402
3-D0403Q-X(P)	0.042	Main Depot	D0403
3-D0404Q-X(P)	0.042	Main Depot	D0404
3-D0405Q-X(P)	0.042	Main Depot	D0405
3-D0406Q-X(P)/RD	0.042	Main Depot	D0406
3-D0407Q-X(P)/RD	0.042	Main Depot	D0407
3-D0408Q-X(P)	0.042	Main Depot	D0408
3-D0409Q-X(P)	0.042	Main Depot	D0409
3-D0410Q-X(P)	0.042	Main Depot	D0410
3-D0411Q-X(P)	0.042	Main Depot	D0411
3-D0412Q-X(P)	0.042	Main Depot	D0412
3-D0413Q-X(P)	0.042	Main Depot	D0413
3-D0501Q-X(P)	0.042	Main Depot	D0501
3-D0502Q-X(P)	0.042	Main Depot	D0502
3-D0503Q-X(P)	0.042	Main Depot	D0503
3-D0504Q-X(P)	0.042	Main Depot	D0504
3-D0505Q-X(P)	0.042	Main Depot	D0505
3-D0506Q-X(P)	0.042	Main Depot	D0506
3-D0507Q-X(P)	0.042	Main Depot	D0507
3-D0508Q-X(P)	0.042	Main Depot	D0508
3-D0509Q-X(P)	0.042	Main Depot	D0509
3-D0510Q-X(P)	0.042	Main Depot	D0510
3-D0511Q-X(P)	0.042	Main Depot	D0511
3-D0512Q-X(P)	0.042	Main Depot	D0512
3-D0513Q-X(P)	0.042	Main Depot	D0513
3-D0601Q-X(P)/RD	0.042	Main Depot	D0601
3-D0602Q-X(P)	0.042	Main Depot	D0602
3-D0603Q-X(P)	0.042	Main Depot	D0603
3-D0604Q-X(P)/RD	0.042	Main Depot	D0604
3-D0605Q-X(P)	0.042	Main Depot	D0605
3-D0606Q-X(P)	0.042	Main Depot	D0606
3-D0607Q-X(P)/RD	0.042	Main Depot	D0607
3-D0608Q-X(P)	0.042	Main Depot	D0608
3-D0609Q-X(P)	0.042	Main Depot	D0609
3-D0610Q-X(P)	0.042	Main Depot	D0610
3-D0611Q-X(P)	0.042	Main Depot	D0611
3-D0612Q-X(P)	0.042	Main Depot	D0612
3-D0701Q-X(P)	0.042	Main Depot	D0701
3-D0702Q-X(P)	0.042	Main Depot	D0702
3-D0703Q-X(P)	0.042	Main Depot	D0703
3-D0704Q-X(P)/RD	0.042	Main Depot	D0704
3-D0705Q-X(P)/RD	0.042	Main Depot	D0705
3-D0706Q-X(P)	0.042	Main Depot	D0706
3-D0707Q-X(P)	0.042	Main Depot	D0707
3-D0708Q-X(P)	0.042	Main Depot	D0708
3-D0709Q-X(P)	0.042	Main Depot	D0709
3-D0710Q-X(P)	0.042	Main Depot	D0710
3-D0711Q-X(P)/RD	0.042	Main Depot	D0711
3-D0712Q-X(P)/RD	0.042	Main Depot	D0712

TABLE 3-7
 QUALIFIED PARCEL DESCRIPTIONS (continued)

QUALIFIED PARCEL NUMBER AND LABEL	APPROXIMATE SIZE (acres)	GEOGRAPHIC AREA	BUILDING NUMBER
3-D0801Q-X(P)/RD	0.42	Main Depot	D0801
3-D0802Q-X(P)	0.42	Main Depot	D0802
3-D0803Q-X(P)	0.42	Main Depot	D0803
3-D0804Q-X(P)	0.42	Main Depot	D0804
3-D0805Q-X(P)/RD	0.42	Main Depot	D0805
3-D0806Q-X(P)	0.42	Main Depot	D0806
3-D0807Q-X(P)	0.42	Main Depot	D0807
3-D0808Q-X(P)	0.42	Main Depot	D0808
3-D0809Q-X(P)	0.42	Main Depot	D0809
3-D0810Q-X(P)	0.42	Main Depot	D0810
3-D0811Q-X(P)	0.42	Main Depot	D0811
3-D0812Q-X(P)	0.42	Main Depot	D0812
3-E0101Q-X(P)	0.055	Main Depot	E0101
3-E0102Q-X(P)	0.055	Main Depot	E0102
3-E0103Q-X(P)/RD	0.055	Main Depot	E0103
3-E0104Q-X(P)	0.055	Main Depot	E0104
3-E0105Q-X(P)/RD	0.055	Main Depot	E0105
3-E0106Q-X(P)	0.055	Main Depot	E0106
3-E0107Q-X(P)	0.055	Main Depot	E0107
3-E0108Q-X(P)	0.055	Main Depot	E0108
3-E0109Q-X(P)	0.055	Main Depot	E0109
3-E0110Q-X(P)	0.055	Main Depot	E0110
3-E0111Q-X(P)	0.055	Main Depot	E0111
3-E0112Q-X(P)/RD	0.055	Main Depot	E0112
3-E0113Q-X(P)	0.055	Main Depot	E0113
3-E0114Q-X(P)	0.055	Main Depot	E0114
3-E0201Q-X(P)	0.055	Main Depot	E0201
3-E0202Q-X(P)	0.055	Main Depot	E0202
3-E0203Q-X(P)	0.055	Main Depot	E0203
3-E0204Q-X(P)	0.055	Main Depot	E0204
3-E0205Q-X(P)	0.055	Main Depot	E0205
3-E0206Q-X(P)	0.055	Main Depot	E0206
3-E0207Q-X(P)	0.055	Main Depot	E0207
3-E0208Q-X(P)	0.055	Main Depot	E0208
3-E0209Q-X(P)	0.055	Main Depot	E0209
3-E0210Q-X(P)	0.055	Main Depot	E0210
3-E0211Q-X(P)/RD	0.055	Main Depot	E0211
3-E0212Q-X(P)	0.055	Main Depot	E0212
3-E0213Q-X(P)	0.055	Main Depot	E0213
3-E0214Q-X(P)	0.055	Main Depot	E0214
3-E0301Q-X(P)/RD	0.055	Main Depot	E0301
3-E0302Q-X(P)/RD	0.055	Main Depot	E0302
3-E0303Q-X(P)/RD	0.055	Main Depot	E0303
3-E0304Q-X(P)	0.055	Main Depot	E0304
3-E0305Q-X(P)	0.055	Main Depot	E0305
3-E0306Q-X(P)	0.055	Main Depot	E0306
3-E0307Q-X(P)	0.055	Main Depot	E0307
3-E0308Q-X(P)	0.055	Main Depot	E0308
3-E0309Q-X(P)	0.055	Main Depot	E0309
3-E0310Q-X(P)	0.055	Main Depot	E0310

**TABLE 3-7
QUALIFIED PARCEL DESCRIPTIONS (continued)**

QUALIFIED PARCEL NUMBER AND LABEL *	APPROXIMATE SIZE (acres)	GEOGRAPHIC AREA	BUILDING NUMBER
3-E0311Q-X(P)	0.055	Main Depot	E0311
3-E0312Q-X(P)/RD	0.055	Main Depot	E0312
3-E0313Q-X(P)	0.055	Main Depot	E0313
3-E0401Q-X(P)	0.055	Main Depot	E0401
3-E0402Q-X(P)/RD	0.055	Main Depot	E0402
3-E0403Q-X(P)	0.055	Main Depot	E0403
3-E0404Q-X(P)	0.055	Main Depot	E0404
3-E0405Q-X(P)	0.055	Main Depot	E0405
3-E0406Q-X(P)	0.055	Main Depot	E0406
3-E0407Q-X(P)	0.055	Main Depot	E0407
3-E0408Q-X(P)	0.055	Main Depot	E0408
3-E0409Q-X(P)	0.055	Main Depot	E0409
3-E0410Q-X(P)/RD	0.055	Main Depot	E0410
3-E0411Q-X(P)/RD	0.055	Main Depot	E0411
3-E0412Q-X(P)	0.055	Main Depot	E0412
3-E0413Q-X(P)/RD	0.055	Main Depot	E0413
3-E0501Q-X(P)	0.055	Main Depot	E0501
3-E0502Q-X(P)	0.055	Main Depot	E0502
3-E0503Q-X(P)	0.055	Main Depot	E0503
3-E0504Q-X(P)/RD	0.055	Main Depot	E0504
3-E0505Q-X(P)	0.055	Main Depot	E0505
3-E0506Q-X(P)/RD	0.055	Main Depot	E0506
3-E0507Q-X(P)	0.055	Main Depot	E0507
3-E0508Q-X(P)	0.055	Main Depot	E0508
3-E0509Q-X(P)	0.055	Main Depot	E0509
3-E0510Q-X(P)	0.055	Main Depot	E0510
3-E0511Q-X(P)	0.055	Main Depot	E0511
3-E0512Q-X(P)/RD	0.055	Main Depot	E0512
3-E0513Q-X(P)	0.055	Main Depot	E0513
3-E0601Q-X(P)	0.055	Main Depot	E0601
3-E0602Q-X(P)/RD	0.055	Main Depot	E0602
3-E0603Q-X(P)	0.055	Main Depot	E0603
3-E0604Q-X(P)/RD	0.055	Main Depot	E0604
3-E0605Q-X(P)	0.055	Main Depot	E0605
3-E0606Q-X(P)	0.055	Main Depot	E0606
3-E0607Q-X(P)	0.055	Main Depot	E0607
3-E0608Q-X(P)	0.055	Main Depot	E0608
3-E0609Q-X(P)/RD	0.055	Main Depot	E0609
3-E0610Q-X(P)/RD	0.055	Main Depot	E0610
3-E0611Q-X(P)	0.055	Main Depot	E0611
3-E0701Q-X(P)	0.055	Main Depot	E0701
3-E0702Q-X(P)/RD	0.055	Main Depot	E0702
3-E0703Q-X(P)	0.055	Main Depot	E0703
3-E0704Q-X(P)	0.055	Main Depot	E0704
3-E0705Q-X(P)	0.055	Main Depot	E0705
3-E0706Q-X(P)/RD	0.055	Main Depot	E0706
3-E0707Q-X(P)	0.055	Main Depot	E0707
3-E0708Q-X(P)	0.055	Main Depot	E0708
3-E0709Q-X(P)	0.055	Main Depot	E0709
3-E0710Q-X(P)	0.055	Main Depot	E0710

**TABLE 3-7
QUALIFIED PARCEL DESCRIPTIONS (continued)**

QUALIFIED PARCEL NUMBER AND LABEL^a	APPROXIMATE SIZE (acres)	GEOGRAPHIC AREA	BUILDING NUMBER
5-2453Q-A/L(P)	0.031	Lake Housing	2453
5-2454Q-L(P)	0.006	Lake Housing	2454
5-2456Q-L(P)	0.018	Lake Housing	2456
5-2458Q-A(P)/L(P)	0.000	Lake Housing	2458
5-2466Q-A/L(P)	0.007	Lake Housing	2466
5-2473Q-L(P)	0.018	Lake Housing	2473
5-2516Q-R	0.055	Lake Housing	2516
5-2470Q-A(P)/L(P)	0.011	Lake Housing	2470
5-2471Q-A(P)/L(P)	0.011	Lake Housing	2471
5-2472Q-A(P)/L(P)	0.011	Lake Housing	2472
5-2474Q-A(P)/L(P)	0.017	Lake Housing	2474
5-2475Q-A(P)/L(P)	0.015	Lake Housing	2475
5-2476Q-A(P)/L(P)	0.017	Lake Housing	2476
5-2477Q-A(P)/L(P)	0.018	Lake Housing	2477
5-2478Q-A(P)/L(P)	0.017	Lake Housing	2478
5-2480Q-A(P)/L(P)	0.015	Lake Housing	2480
5-2481Q-A(P)/L(P)	0.017	Lake Housing	2481
5-2482Q-A(P)/L(P)	0.018	Lake Housing	2482
5-2484Q-A(P)/L(P)	0.018	Lake Housing	2484
7-2306Q-L(P)	0.201	Airfield	2306
8-2305Q-A/L(P)	0.128	Airfield	2305
11-327Q-A(P)/L(P)	2.066	Warehouse	327
12-326Q-A(P)/L(P)	2.066	Warehouse	326
13-330Q-A(P)/L(P)/X(P)	2.066	Warehouse	330
14-331Q-A(P)/L(P)	2.066	Warehouse	331
15-324Q-A(P)/L(P)	2.066	Warehouse	324
16-343Q-A(P)/L(P)	2.066	Warehouse	343
17-323Q-A/L(P)	2.066	Warehouse	323
18-333Q-A(P)/L(P)	2.066	Warehouse	333
19-307Q-A(P)	0.046	Warehouse	307
20-316Q-L(P)	0.427	IPE	316
20-317Q-L(P)	0.607	IPE	317
20-318Q-L(P)	0.427	IPE	318
21-202Q-A/L(P)	0.041	South Depot	202
21-203Q-A/L(P)	0.046	South Depot	203
21-204Q-A/L(P)	0.049	South Depot	204
21-205Q-A/L(P)	0.046	South Depot	205
21-206Q-A/L(P)	0.046	South Depot	206
21-207Q-A/L(P)	0.046	South Depot	207
21-214Q-A/L(P)	0.044	South Depot	214
21-215Q-A/L(P)	0.041	South Depot	215
21-216Q-A/L(P)	0.041	South Depot	216
21-217Q-A/L(P)	0.046	South Depot	217
21-200AQ-A/L(P)	0.035	South Depot	200-A
21-200BQ-A/L(P)	0.035	South Depot	200-B
21-201AQ-A/L(P)	0.035	South Depot	201-A
21-201BQ-A/L(P)	0.035	South Depot	201-B
21-208AQ-A/L(P)	0.059	South Depot	208-A
21-208BQ-A/L(P)	0.059	South Depot	208-B
21-209AQ-A/L(P)	0.059	South Depot	209-A

TABLE 3-7
 QUALIFIED PARCEL DESCRIPTIONS (continued)

QUALIFIED PARCEL NUMBER AND LABEL	APPROXIMATE SIZE (acres)	GEOGRAPHIC AREA	BUILDING NUMBER
21-209BQ-A/L(P)	0.059	South Depot	209-B
21-210AQ-A/L(P)	0.040	South Depot	210-A
21-210BQ-A/L(P)	0.040	South Depot	210-B
21-211AQ-A/L(P)	0.037	South Depot	211-A
21-211BQ-A/L(P)	0.037	South Depot	211-B
21-212AQ-L(P)	0.040	South Depot	212-A
21-212BQ-L(P)	0.040	South Depot	212-B
21-213AQ-A/L(P)	0.037	South Depot	213-A
21-213BQ-A/L(P)	0.037	South Depot	213-B
21-218AQ-A/L(P)	0.037	South Depot	218-A
21-218BQ-A/L(P)	0.037	South Depot	218-B
21-219AQ-A/L(P)	0.040	South Depot	219-A
21-219BQ-L(P)	0.040	South Depot	219-B
21-221AQ-A/L(P)	0.037	South Depot	221-A
21-221BQ-A/L(P)	0.037	South Depot	221-B
21-222AQ-A/L(P)	0.040	South Depot	222-A
21-222BQ-A/L(P)	0.040	South Depot	222-B
21-223AQ-A/L(P)	0.037	South Depot	223-A
21-223BQ-A/L(P)	0.037	South Depot	223-B
21-224AQ-A/L(P)	0.030	South Depot	224-A
21-224BQ-L(P)	0.030	South Depot	224-B
21-224CQ-A/L(P)	0.030	South Depot	224-C
21-224DQ-L(P)	0.030	South Depot	224-D
21-225AQ-L(P)	0.030	South Depot	225-A
21-225BQ-L(P)	0.030	South Depot	225-B
21-225CQ-A/L(P)	0.030	South Depot	225-C
21-225DQ-A/L(P)	0.030	South Depot	225-D
21-226AQ-A/L(P)	0.030	South Depot	226-A
21-226BQ-A/L(P)	0.030	South Depot	226-B
21-226CQ-A/L(P)	0.030	South Depot	226-C
21-226DQ-A/L(P)	0.030	South Depot	226-D
21-227AQ-A/L(P)	0.030	South Depot	227-A
21-227BQ-A/L(P)	0.030	South Depot	227-B
21-227CQ-A/L(P)	0.030	South Depot	227-C
21-227DQ-A/L(P)	0.030	South Depot	227-D
21-228AQ-A/L(P)	0.030	South Depot	228-A
21-228BQ-A/L(P)	0.030	South Depot	228-B
21-228CQ-A/L(P)	0.030	South Depot	228-C
21-228DQ-A/L(P)	0.030	South Depot	228-D
21-229AQ-A/L(P)	0.030	South Depot	229-A
21-229BQ-L(P)	0.030	South Depot	229-B
21-229CQ-A/L(P)	0.030	South Depot	229-C
21-229DQ-L(P)	0.030	South Depot	229-D
21-230AQ-L(P)	0.030	South Depot	230-A
21-230BQ-A/L(P)	0.030	South Depot	230-B
21-230CQ-A/L(P)	0.030	South Depot	230-C
21-230DQ-A/L(P)	0.030	South Depot	230-D
21-231AQ-A/L(P)	0.030	South Depot	231-A
21-231BQ-L(P)	0.030	South Depot	231-B
21-231CQ-L(P)	0.030	South Depot	231-C

**TABLE 3-7
QUALIFIED PARCEL DESCRIPTIONS (continued)**

QUALIFIED PARCEL NUMBER AND LABEL^a	APPROXIMATE SIZE (acres)	GEOGRAPHIC AREA	BUILDING NUMBER
21-231DQ-A/L(P)	0.030	South Depot	231-D
21-232AQ-A/L(P)	0.030	South Depot	232-A
21-232BQ-A/L(P)	0.030	South Depot	232-B
21-232CQ-A/L(P)	0.030	South Depot	232-C
21-232DQ-A/L(P)	0.030	South Depot	232-D
21-233AQ-L(P)	0.030	South Depot	233-A
21-233BQ-A/L(P)	0.030	South Depot	233-B
21-233CQ-A/L(P)	0.030	South Depot	233-C
21-233DQ-L(P)	0.030	South Depot	233-D
21-234AQ-A/L(P)	0.030	South Depot	234-A
21-234BQ-A/L(P)	0.030	South Depot	234-B
21-234CQ-A/L(P)	0.030	South Depot	234-C
21-234DQ-A/L(P)	0.030	South Depot	234-D
21-235AQ-L(P)	0.030	South Depot	235-A
21-235BQ-A/L(P)	0.030	South Depot	235-B
21-231CQ-A/L(P)	0.030	South Depot	235-C
21-235DQ-A/L(P)	0.030	South Depot	235-D
21-236AQ-A/L(P)	0.030	South Depot	236-A
21-236BQ-A/L(P)	0.030	South Depot	236-B
21-236CQ-A/L(P)	0.030	South Depot	236-C
21-236DQ-A/L(P)	0.030	South Depot	236-D
21-237AQ-A/L(P)	0.030	South Depot	237-A
21-237BQ-A/L(P)	0.030	South Depot	237-B
21-237CQ-A/L(P)	0.030	South Depot	237-C
21-237DQ-L(P)	0.030	South Depot	237-D
21-238AQ-A/L(P)	0.030	South Depot	238-A
21-238BQ-A/L(P)	0.030	South Depot	238-B
21-238CQ-A/L(P)	0.030	South Depot	238-C
21-238DQ-A/L(P)	0.030	South Depot	238-D
21-239AQ-L(P)	0.030	South Depot	239-A
21-239BQ-A/L(P)	0.030	South Depot	239-B
21-239CQ-A/L(P)	0.030	South Depot	239-C
21-239DQ-A/L(P)	0.030	South Depot	239-D
21-240AQ-A/L(P)	0.030	South Depot	240-A
21-240BQ-A/L(P)	0.030	South Depot	240-B
21-240CQ-A/L(P)	0.030	South Depot	240-C
21-240DQ-A/L(P)	0.030	South Depot	240-D
21-241AQ-A/L(P)	0.030	South Depot	241-A
21-241BQ-A/L(P)	0.030	South Depot	241-B
21-241CQ-A/L(P)	0.030	South Depot	241-C
21-241DQ-A/L(P)	0.030	South Depot	241-D
21-242AQ-A/L(P)	0.030	South Depot	242-A
21-242BQ-A/L(P)	0.030	South Depot	242-B
21-242CQ-A/L(P)	0.030	South Depot	242-C
21-242DQ-A/L(P)	0.030	South Depot	242-D
21-243AQ-A/L(P)	0.034	South Depot	243-A
21-243BQ-A/L(P)	0.034	South Depot	243-B
21-243CQ-A/L(P)	0.034	South Depot	243-C
21-243DQ-A/L(P)	0.034	South Depot	243-D
21-244AQ-L(P)	0.034	South Depot	244-A

**TABLE 3-7
QUALIFIED PARCEL DESCRIPTIONS (continued)**

QUALIFIED PARCEL NUMBER AND LABEL^a	APPROXIMATE SIZE (acres)	GEOGRAPHIC AREA	BUILDING NUMBER
57-2085Q-A/L(P)/X(P)	0.038	Main Depot	2085
59-608Q-L(P)/X(P)	0.008	Main Depot	608
59-609Q-A/L(P)	0.016	Main Depot	609
59-610Q-L(P)/X(P)	0.012	Main Depot	610
59-611Q-L(P)	0.009	Main Depot	611
59-612Q-L(P)/X(P)/RD	0.422	Main Depot	612
63-606Q-A/L(P)	0.078	Main Depot	606
63-607Q-A/L(P)	0.010	Main Depot	607
78-T355Q-L(P)	0.115	Main Depot	T355
80-367Q-L(P)/X(P)	0.084	Main Depot	367
82-S311Q-A/L(P)/X(P)	0.267	Main Depot	S311
82-S361Q-L(P)/X(P)	0.039	Main Depot	S361
84-306Q-L(P)/X(P)/RD	0.124	Main Depot	306
84-308Q-L(P)	0.012	Main Depot	308
86-135Q-A/L(P)	0.115	South Depot	135
87-121Q-L(P)	0.075	South Depot	121
88-127Q-L(P)	0.141	South Depot	127
92-5Q-L(P)/X(P)/RD	0.270	Main Depot	5
92-6Q-A/L(P)	0.014	Main Depot	6
92-7Q-L(P)/X(P)	0.270	Main Depot	7
92-9Q-L(P)	0.019	Main Depot	9
92-12Q-L(P)	0.019	Main Depot	12
94-4Q-L(P)	0.012	Main Depot	4
98-801Q-A(P)/L(P)	0.000	Special Weapons	801
98-802Q-L(P)	0.120	Special Weapons	802
98-803Q-L(P)/X(P)/RD	0.064	Special Weapons	803
98-804Q-A/L(P)/X(P)/RD	0.031	Special Weapons	804
98-805Q-L(P)	0.010	Special Weapons	805
98-806Q-A/L(P)	0.092	Special Weapons	806
98-807Q-A/L(P)	0.092	Special Weapons	807
98-809Q-L(P)	0.004	Special Weapons	809
98-810Q-A/L(P)/RD	0.872	Special Weapons	810
98-812Q-A/L(P)	0.245	Special Weapons	812
98-813Q-L(P)/X(P)	0.100	Special Weapons	813
98-814Q-A/L(P)/X(P)	0.082	Special Weapons	814
98-815Q-L(P)/X(P)/RD	0.254	Special Weapons	815
98-816Q-L(P)/X(P)/RD	0.353	Special Weapons	816
98-817Q-A/L(P)/X(P)	0.022	Special Weapons	817
98-819Q-A/L(P)/X(P)/RD	0.190	Special Weapons	819
98-823Q-A(P)/L(P)/X(P)	0.002	Special Weapons	823
98-824Q-L(P)	0.090	Special Weapons	824
98-825Q-L(P)	0.092	Special Weapons	825
98-A0101Q-X(P)/RD	0.028	Special Weapons	A0101
98-A0102Q-X(P)/RD	0.028	Special Weapons	A0102
100-747Q-RD	0.200	North Depot	747
101-718Q-L(P)	0.074	North Depot	718
102-716Q-L(P)	0.003	North Depot	716
104-2104Q-A/L(P)	0.030	Main Depot	2104
104-2105Q-L(P)	0.492	OB/OD Grounds	2105
104-2106Q-A/L(P)/X(P)	0.013	OB/OD Grounds	2106

TABLE 3-7
 QUALIFIED PARCEL DESCRIPTIONS (continued)

BUILDING NUMBER	GEOGRAPHIC AREA	APPROXIMATE SIZE (acres)	QUALIFIED PARCEL NUMBER AND LABEL
2107	OB/OD Grounds	0.001	104-2107Q-L(P)/X(P)
2110	OB/OD Grounds	0.492	104-2110Q-L(P)
2131	Main Depot	0.005	106-2131Q-L(P)
335	Warehouse	0.088	108-335Q-A(P)/L(P)
	Airfield Firing Range	2.900	114Q-X
	Airfield	0.814	115Q-X
	Airfield Skeet Range	178.840	116Q-X
	Main Depot areas	16.208	117Q-X
	Main Depot	72.790	118Q-RD
	Pitchblende Storage Igloos	0.660	119Q-X
	Main Depot	3.720	120Q-X
	Main Depot	1.620	121Q-X
	Small Arms Range	8.070	122Q-X
	Special Weapons Area	334.790	123Q-RD
	Special Weapons Area	15.790	124Q-RD
	North Depot	0.250	125Q-X
	Firing Range in Building 744	3.640	126Q-RD
	Special Weapons SEAD-63	1,055.650	127Q-X
	OB/OD Grounds	1.880	128Q-X
	Main Depot		
	Abandoned Powder Burning Pit		

Notes: (a) BRAC parcel label definitions are as follows:

- PS: Petroleum storage
- PR: Petroleum release or disposal
- HS: Hazardous substance storage
- HR: Hazardous substance release or disposal

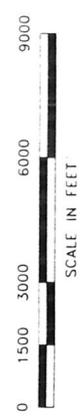
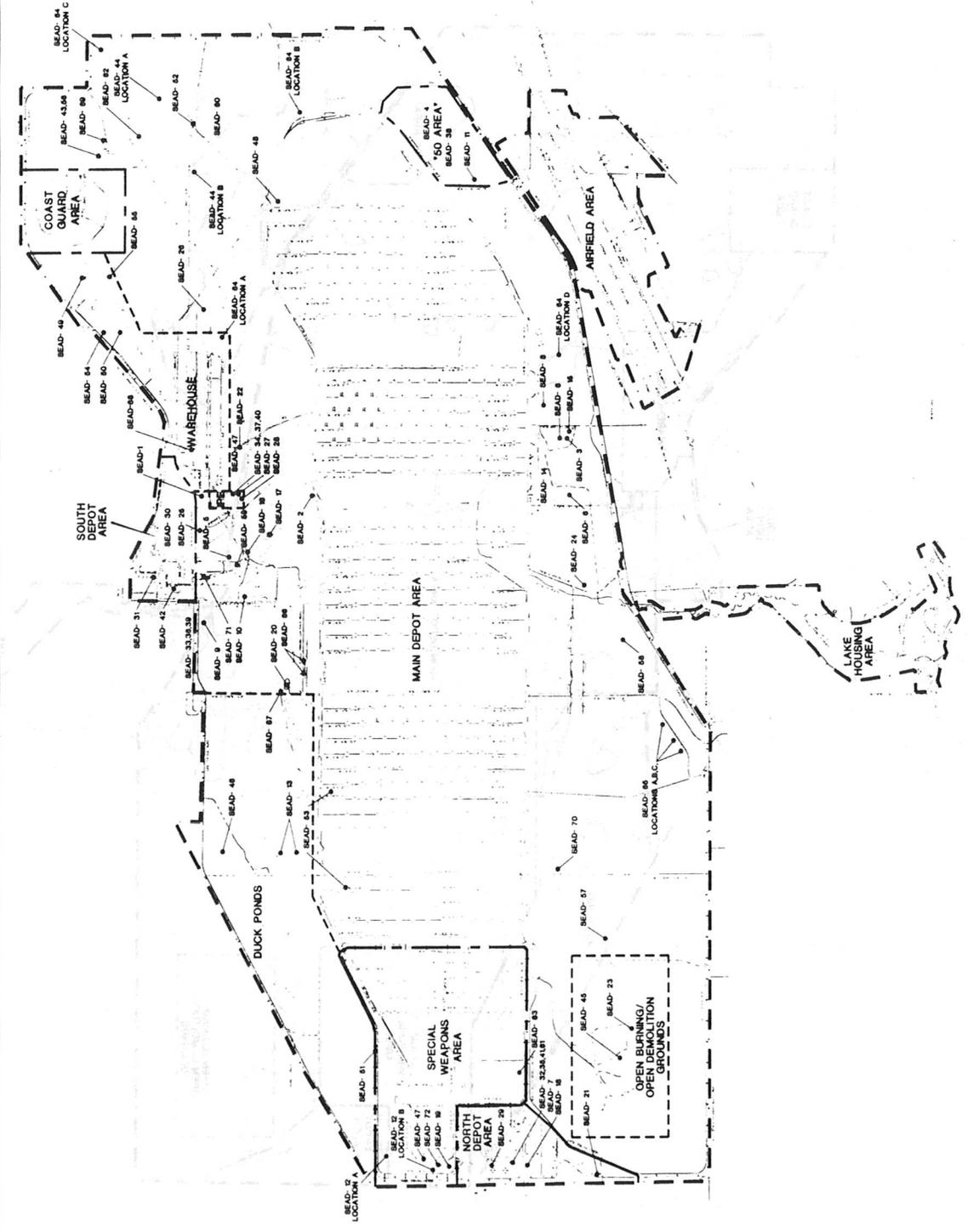
Qualified parcel label definitions are as follows:

- A: Asbestos containing material
- L: Lead-based paint
- P: Polychlorinated biphenyls
- (P): Possible (unverified)
- R: Radon
- RD: Radionuclides
- X: UXO and/or ordnance fragments

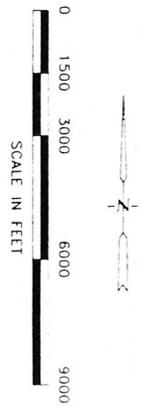
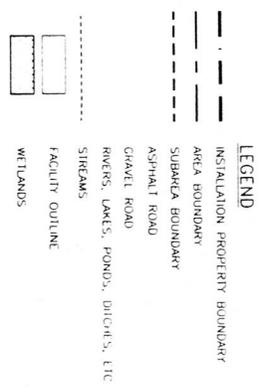
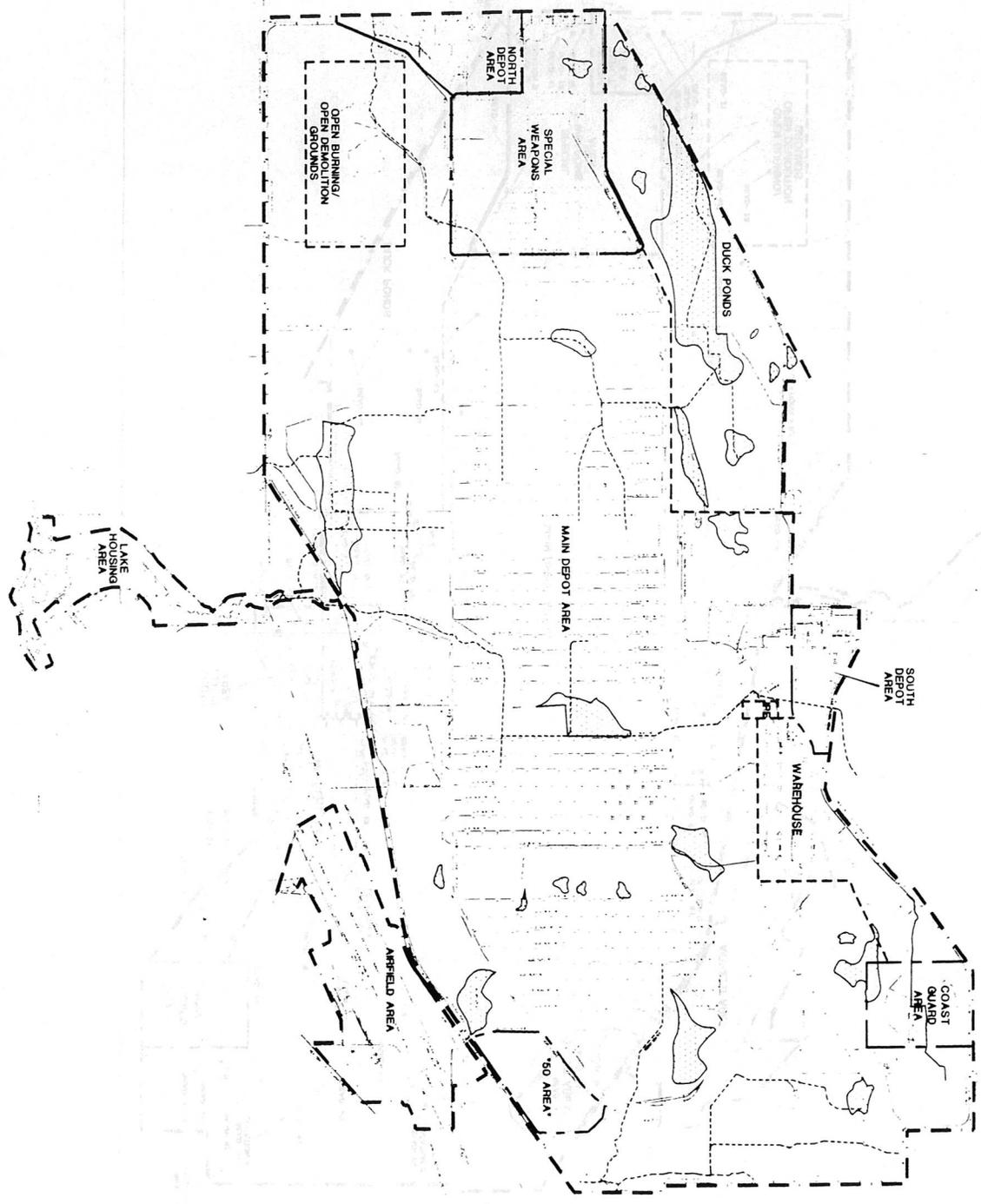
OB/OD: Open Burning/Open Detonation

LEGEND

- INSTALLATION PROPERTY BOUNDARY
- AREA BOUNDARY
- SUBAREA BOUNDARY
- ASPHALT ROAD
- RIVERS, LAKES, PONDS, DITCHES, ETC
- STREAMS
- FACILITY OUTLINE



SOLID WASTE MANAGEMENT UNIT (SWMU) LOCATIONS



DISTRIBUTION OF WETLANDS

Figure 3-3
DISTRIBUTION OF SENSITIVE HABITATS AND NATURAL COMMUNITIES

(this figure pending completion of endangered species survey [December 1996])

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Page 3-2

SECTION FOUR INSTALLATION-WIDE STRATEGY FOR ENVIRONMENTAL RESTORATION

4.0 INSTALLATION-WIDE STRATEGY FOR ENVIRONMENTAL RESTORATION

This section summarizes the installation-wide environmental restoration and compliance strategy for SEDA.

4.1 ZONE/OPERABLE UNIT/OTHER DESIGNATION STRATEGY

This section reflects the relationship between zones, OUs, and BRAC parcels. The priorities and sequence for cleanup that reflect a balance between risk to human health and the environment and the reuse priority of a parcel awaiting remedial action were determined by the BCT.

4.1.1 Zone/Operable Unit/Other Designations

The site has been preliminarily divided into seven zones for reuse, as previously summarized in Table 2-1. These zones are geographically continuous units. The 72 SWMUs are included within the boundaries of these zones. The composition and cleanup sequence of each of these zones is summarized in Table 4-1.

The zones, which are based on reuse considerations, do not necessarily coincide with OUs as defined in the National Contingency Plan. The following OUs have been implemented at SEDA:

- Ash Landfill OU1
- Open Burning Grounds OU2
- Fire Training Areas OU3

Additional SWMU groupings as shown on Table 4-1 may be designated OUs at a future date.

4.1.2 Sequence of Zones/Operable Units/Others

A comprehensive OU strategy has been developed by the BCT. This strategy consolidates IRP sites into groupings for investigation and then defines a sequence of OUs. The sequence of OUs addresses the need to have Zones 1, 2, and 3 (in that order) available for property transfer prior to the other zones. The schedule for the OUs and SWMU groupings is presented in Section 5.

any, that result from LUSTs will be incorporated into the appropriate OU groundwater actions if the LUST(s) impacts the OU.

- **Future land use.** Cleanup goals will be factored into future land uses and/or deed restrictions.

4.2 COMPLIANCE STRATEGY

This section discusses the strategies for compliance and non-CERCLA issues at SEDA.

4.2.1 Storage Tanks

As buildings at SEDA are closed, those USTs having a capacity of under 1,100 gallons and used to store oil only for heating purposes (30 tanks) will be drained of all recoverable product and added to the 81 USTs being monitored monthly. Under an agreement with NYSDEC, after December 27, 1998, those tanks that are not in use will be permanently closed.

The USTs with a capacity greater than 1,100 gallons and used to store oil only for heating purposes (14 tanks) will be drained of all recoverable product but will be maintained in active status until December 27, 1998. At that time, those tanks that do not meet EPA and/or NYSDEC standards (12 tanks) and/or are not in service will be permanently closed. Those tanks that do meet standards will remain in place.

Of the 12 USTs with a capacity above 1,100 gallons that are not used for heating purposes, one is permanently closed; four currently meet standards and will remain in place; three will be upgraded for before the 1998 deadline and will remain in place; and the remaining four tanks will be evaluated for upgrades based on their potential for future reuse.

There are four USTs with a capacity under 1,100 gallons that are not used for heating purposes. One meets the standards and will remain in place, two will be evaluated for upgrades based on their potential for future use, and one will be removed and replaced with an aboveground tank prior to 1998.

4.2.2 Hazardous Materials/Waste Management

As the missions that generate hazardous waste are eliminated, SEDA will generate less and less hazardous waste and would become a small generator sometime prior to closure. However, SEDA

SECTION FOUR INSTALLATION-WIDE STRATEGY FOR ENVIRONMENTAL RESTORATION**4.2.7 RCRA Facilities**

In order to comply with the provisions of 40 CFR Part 264 Subpart G (Closure and Post-Closure) and of 6NYCRR Parts 373-2.9(i), 373-2.10(e), 373-2.11(f), 373-2.12(h), 373-2.13(h), 373-2.14(g), and 373-2.15(h), closure performance standards will be defined and proposed by SEDA for approval before implementation of closure plans for the RCRA-permitted facilities. If changes in operating plans or facility design affect the closure plan, the plan will be amended in accordance with the provisions of 40 CFR 264.112 and 6NYCRR Part 373-2.7(c)(3)(iii). The Commissioner of the NYSDEC and EPA Region II will be notified at least 60 days prior to the date closure activities are scheduled to begin. All closure activities will be completed within 180 days after the concerned facility receives its final volume of waste for treatment or storage. Within 60 days of completion of closure activities, the owner/operator and an independent registered Professional Engineer will certify that closure of the facilities was completed in accordance with the specifications contained in the approved closure plan and with 40 CFR 264.115 and 6NYCRR Part 373-2.7(f).

4.2.8 NPDES Permits

The BCT is currently developing a compliance strategy for NPDES permits.

4.2.9 Oil/Water Separators

The BCT is currently developing a compliance strategy for oil/water separators.

4.2.10 Unexploded Ordnance

The BCT is currently developing a compliance strategy for unexploded ordnance.

4.2.11 Biocides

Until closure or other requirements change, SEDA will continue to use biocides to control grass and weeds, as well as pests.

4.2.12 Lead-Based Paint

Once the LBP inspection has been completed, and buildings and structures containing LBP have been identified, all prospective transferees will be notified, on either the lease agreement or the deed, of the areas that contain LBP and the condition of the LBP at the time of inspection. Depending on the

occurs at the SEDDA at this frequency because of the fence that surrounds the installation. If there were no fence, the herd would outbreed, and the white-coat frequency would decrease. The presence of the fence requires continual management of the herd, which has been shown to expand beyond the limited carrying capacity of the installation.

A foreseeable impact to the environment could result if any area that is presently used by migratory birds is taken out of use. There is also a need for some yearly maintenance of waterfowl nesting areas. Before closure, any ensuing impacts to migratory bird habitats and waterfowl nesting areas should be reviewed with both the NYSDEC and U.S. Fish and Wildlife Service.

4.3.4 Cultural Resources

Cultural resource issues are required to be addressed under the National Environmental Policy Act, National Historic Preservation Act, Archaeological Resources Protection Act, Native American Graves Protection Act, and American Indian Religious Freedom Act. To fulfill the mandates of these laws, the following actions are required:

- Create a cultural resource management plan
- Develop National Historic Preservation Act compliance programs, including Section 106 review
- Conduct historical/archival investigations
- Conduct a comprehensive archaeological survey/inventory
- Nominate eligible sites and/or districts
- Prepare and execute a programmatic agreement

The cultural resources program will require additional studies to satisfy the necessary requirements. A review of all documentation associated with previous studies and reports will determine the level of effort required to complete an installation survey for archaeological sites and to update the architectural building survey. When funding becomes available, it is expected that the investigations will be completed within a 2-year period. The contracting office for management of the cultural resources program will be the U.S. Army Corps of Engineers, Fort Worth District.

**TABLE 4-1
CLEANUP SEQUENCE**

OU	ZONE	DESCRIPTION	SWMU NO.	CLEANUP SEQUENCE
OU1	6	Ash Landfill	SEAD-003, SEAD-006, SEAD-008, SEAD-014, and SEAD-015	1
OU2	6	Open Burning Grounds	SEAD-023	2
OU3	2	Fire Training Areas	SEAD-025, SEAD-026	3
-	2	Deactivation Furnaces	SEAD-016, SEAD-017	4
-	4	RAD Sites	SEAD-012, SEAD-063	5
-	2	Fill Area/Paint Disposal	SEAD-059, SEAD-071	6
-	6	Munitions Washout Facility	SEAD-004	7
-	2, 6	Old Construction Debris Landfills	SEAD-011, SEAD-064	8
-	6	IRFNA Disposal Site	SEAD-013	9
-	6	608/612/609 Spill	SEAD-052, SEAD-060	10
-	6	Demo Area/ Small Arms Range	SEAD-045, SEAD-046, SEAD-057	11
-	6	Pitchblende Storage	SEAD-048	12

Notes:

IRFNA: Inhibited red fuming nitric acid

OU: Operable unit

RAD: Radionuclide

SEAD: Seneca Army Depot

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DATE 01-12-2001 BY 60322
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NO.	DATE	DESCRIPTION	AMOUNT	STATUS
1	10/15/87
2	10/15/87
3	10/15/87
4	10/15/87
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49	10/15/87
50	10/15/87

UNITED STATES DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION

5.0 ENVIRONMENTAL PROGRAM MASTER SCHEDULES

This section presents the SEDA master schedule of anticipated activities for the installation's environmental programs. These schedules consolidate and summarize information from detailed network and operational schedules, which were developed to support study area-specific work plans and compliance agreements. IRP activities are graphically summarized in Figure 5-1.

5.1 ENVIRONMENTAL RESTORATION PROGRAM

This section provides the response schedules and fiscal year requirements for the environmental restoration program for the SEDA.

5.1.1 Response Schedules

The schedules shown on Figure 5-1 are based on existing schedules established for the SEDA IRP. In order to accelerate the environmental restoration process, scheduling strategies and timelines are prepared by the BCT and project team so that all involved parties can provide input to the process. These schedules will be reviewed regularly by the BCT to ensure that they are current, that activities are expedited whenever possible, and that reuse goals continue to be met.

The response schedules on Figure 5-1 include timelines for the following activities: EBS, BCP, and SWMU remedial investigation, feasibility study, and remedy selection.

5.1.2 Requirements by Fiscal Year

The financial requirements by fiscal year for the environmental program at SEDA are summarized in Table A-1 in Appendix A.

5.2 COMPLIANCE PROGRAMS

Response schedules and fiscal year requirements for the compliance program for SEDA will be presented in subsequent versions of the BCP.

presented in subsequent versions of the BCP and to ensure that the BCP is updated as needed. The BCP will be presented to the SEDA for review and approval. The BCP will be updated as needed to reflect changes in the SEDA's activities and the BCP will be presented to the SEDA for review and approval.

5.3 COMPLIANCE PROGRAMS

The SEDA will maintain a compliance program that includes the following elements:

5.3.1 Environmental Compliance

The SEDA will maintain a compliance program that includes the following elements:

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The SEDA will maintain a compliance program that includes the following elements:

- Notes:**
 BCP: BRAC Cleanup Plan
 BCT: BRAC Cleanup Team
 RAB: Restoration Advisory Board
 SEDA: Seneca Army Depot Activity
 TBD: To be determined
 WC: Woodward-Clyde

MEETING TITLE	ATTENDEES	TOPIC	LOCATION	DATE
RAB	BCT/Support	RAB Issues	SEDA	8/22/96
Risk Assessment	BCT/Support	Risk Assessment	SEDA	9/19/96
BCP	BCT/Support/WC	Cleanup Plan Review	SEDA	10/15/96
TBD	BCT/Support	TBD	SEDA	11/19/96
TBD	BCT/Support	TBD	SEDA	12/12/96
TBD	BCT/Support	TBD	SEDA	1/21/97

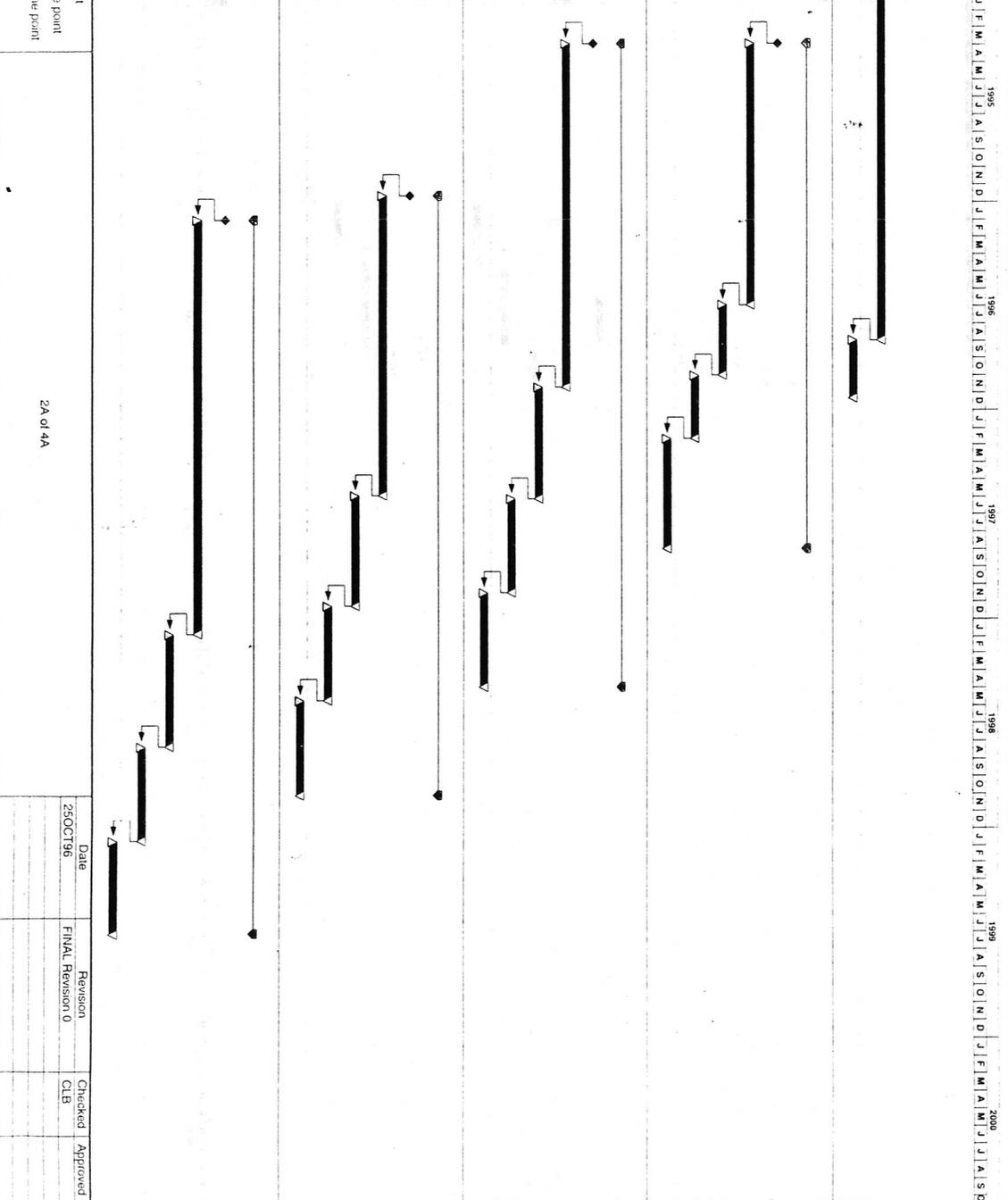
BCT/PROJECT TEAM MEETING SCHEDULE

TABLE 5-1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Draft
 Early start point
 Early finish point
 Progress bar
 Critical bar
 Summary bar
 Start milestone point
 Finish milestone point

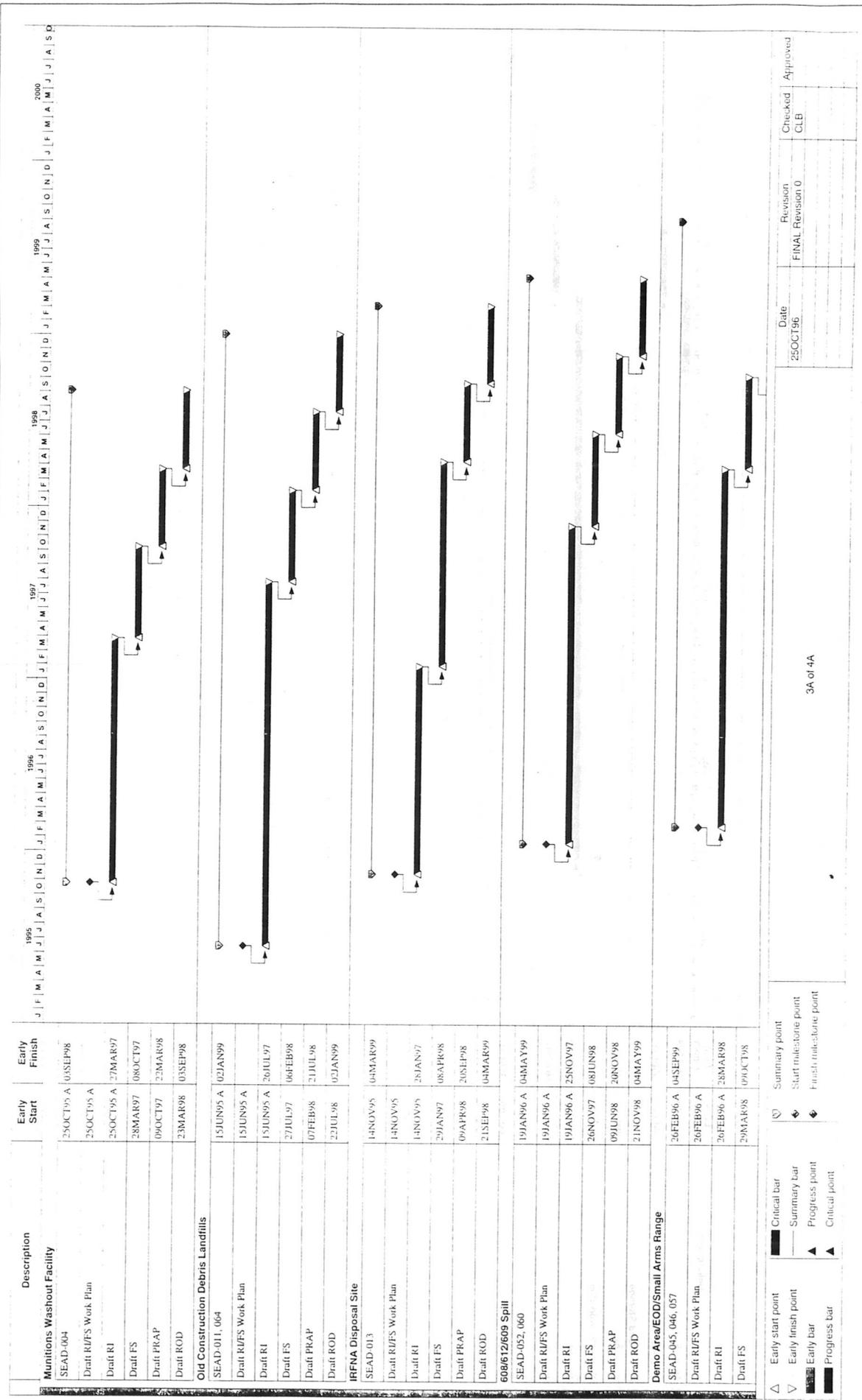
Description	Early Start	Early Finish
Draft RUF/S Work Plan	29AUG91 A	28JAN94 A
Draft RI	29AUG91 A	09MAR94 A
Draft FS	28JAN94 A	09MAR94 A
Draft PRAP	09MAR94 A	30AUG96 A
Draft ROD	30AUG96 A	10DEC96
Fire Training Areas		
SEAD-025, 026	29MAR95	30AUG97
Draft RUF/S Work Plan	29MAR95	29MAR95
Draft RI	29MAR95	28JUN96 A
Draft FS	28JUN96 A	30OCT96
Draft PRAP	31OCT96	17FEB97
Draft ROD	18FEB97	30AUG97
Deactivation Furnace		
SEAD-016, 017	29MAR95	28APR98
Draft RUF/S Work Plan	29MAR95	29MAR95
Draft RI	29MAR95	19NOV96
Draft FS	20NOV96	02JUN97
Draft PRAP	03JUN97	14NOV97
Draft ROD	15NOV97	28APR98
RAD Sites		
SEAD-012, 063	19DEC95 A	02NOV98
Draft RUF/S Work Plan	19DEC95 A	19DEC95 A
Draft RI	19DEC95 A	27MAY97
Draft FS	28MAY97	07DEC97
Draft PRAP	08DEC97	21MAY98
Draft ROD	22MAY98	02NOV98
Fill Areal Paint Disposal		
SEAD-059, 071	30JAN96 A	03JUL99
Draft RUF/S Work Plan	30JAN96 A	30JAN96 A
Draft RI	30JAN96 A	25JAN98
Draft FS	26JAN98	08AUG98
Draft PRAP	09AUG98	20JAN99
Draft ROD	21JAN99	03JUL99



Date	Revision	Checked	Approved
25OCT96	FINAL Revision 0	CLB	

SENECA ARMY DEPOT
 ACTIVITY
 NEW YORK
 PROJECT NO.
 E235185D
 Woodward-Clyde

PROJECTED MASTER RESTORATION SCHEDULE



3A of 4A

25OCT196

Revision: FINAL, Revision 0

Checked: CLB

Approved:

6.0 TECHNICAL AND OTHER ISSUES TO BE RESOLVED

This section addresses technical and other issues that, when unresolved, commonly impede cleanup at U.S. Army installations. At SEDA, many of these issues have been resolved by the BCT and, therefore, do not pose impediments to the cleanup. For those remaining issues that have yet to be resolved at SEDA, a discussion is provided regarding the issue, the BCT action items planned to resolve the issue, the rationale for the significance of the issue, and the status/strategy for resolution of the issue.

6.1 DATA USABILITY

This section addresses the usability of historical data sets in the installation environmental restoration program. It is the consensus of the BCT that most data collected to date are suitable for remedial action decision making, including for use in risk assessment. Therefore, there are no current issues to be resolved on this topic.

6.2 INFORMATION MANAGEMENT

The current electronic database for the environmental restoration program is maintained by Parsons Engineering Science. Although the SEDA environmental data are the property of SEDA, the Oracle database software is owned by Parsons Engineering Science. Therefore, SEDA cannot independently access and manipulate the database without the involvement of Parsons Engineering Science. An issue identified with respect to the data integration and management topic is the need for SEDA to have a data management capability independent of Parsons Engineering Science.

6.2.1 BCT Action Items

The SEDA, Parsons Engineering Science, and the USACE will meet to develop a strategy for development of an independent data management capability by the U.S. Army.

6.2.2 Rationale

The U.S. Army must have an independent data management capability so that project continuity can be maintained in the event that Parsons Engineering Science does not continue in the future as a contractor to SEDA.

The opinion of the U.S. Army is that collection of background samples in pristine areas unaffected by anthropogenic non-waste related activities results in a skewed background data set, because the effects

6.4.2 Rationale

technical personnel to resolve this issue.

The BCT will coordinate with installation, U.S. Army, EPA, NYSDEC, NYSDOH, and contractor

6.4.1 BCT Action Items

legitimate use of pesticides).

An identified unresolved issue at this time involves the concept of establishing background levels for anthropogenic sources of organic compounds (e.g., PAHs potentially related to vehicle emissions, the

of potential contaminants.

This section addresses unresolved issues associated with determination of background concentrations

6.4 BACKGROUND LEVELS

this time. This issue will be periodically revisited by the BCT as the IRP progresses. done in terms of identifying and filling data gaps, there are no unresolved issues regarding data gaps at

gaps and for identifying and filling future data gaps. Therefore, although much work remains to be consensus of the BCT that adequate plans or processes are in place for filling identified existing data

expected to be identified as remedial investigation and remedial action work progress. It is the A number of existing data gaps have been identified for the SEDA IRP, and future data gaps are

to complete the environmental restoration program.

This section addresses unresolved issues pertaining to the determination and collection of data needed

6.3 DATA GAPS

other U.S. Army support.

An assessment of the most efficient method of independent data management capability must be performed. This may involve development of in-house SEDA capability or reliance on USACE or

6.2.3 Status/Strategy

SECTION SIX**TECHNICAL AND OTHER ISSUES TO BE RESOLVED**

from those activities cannot be distinguished from those associated with waste disposal. The U.S. Army proposes incorporation of samples collected from areas affected by anthropogenic sources into the background data set.

The opinion of NYSDEC and NYSDOH is that detected organic compounds that are not naturally occurring and are the result of any installation activities should be considered in the risk assessments and should not be eliminated from the assessments based on the background comparison process.

The opinion of the EPA is that EPA Superfund Risk Assessment Guidance states that all anthropogenic sources be included in the risk assessments. Therefore, elimination of organic compounds resulting from installation activities through the background comparison process is inappropriate.

6.4.3 Status/Strategy

Currently, a statistically valid number of background soil samples has been collected to characterize pristine background concentrations of naturally occurring chemicals in soil. If anthropogenic sources are to be considered in the background comparison process, additional soil samples will need to be collected.

6.5 RISK ASSESSMENT

This section addresses unresolved issues regarding risk assessments to be performed to support remedial action decision making.

An unresolved issue at this time identified by the BCT with respect to human health risk assessment involves the need to define the identified potential reuse scenarios in sufficient detail such that appropriate exposure scenarios can be applied.

Another unresolved issue at this time identified by the BCT with respect to human health risk assessment involves the absence of guidance in evaluating lead exposure under an industrial exposure scenario.

The approach to ecological risk assessment has not been determined or agreed to at this time. Risks from lead in an industrial reuse setting will be considered on a case-by-case basis until guidance is provided by the regulators. Currently, the LRA is refining the reuse scenarios as it develops the Community Reuse Plan. That plan is scheduled to be released to the public in October 1996.

6.5.3 Status/Strategy

With respect to ecological risk assessment, there are differences in EPA and state procedures used to calculate risk for ecological receptors.

With respect to the second human health risk assessment issue identified above, no procedure is in place to assess risks from lead exposure in an industrial exposure scenario. With respect to the first human health risk assessment issue identified above, further definition of anticipated reuse scenarios developed by the LRA is necessary to select the appropriate exposure scenarios as the basis for the risk assessment. It is the position of NYSDEC and NYSDOH that residential exposure scenarios should be applied for the risk assessments unless it can be assured that future reuse will not involve residential use. In particular, the specific reuse activities to be performed in the wildlife management zone, the institutional zone, and the airfield/special events zone need better definition in order to select appropriate exposure scenarios.

6.5.2 Rationale

The BCT will coordinate a meeting or series of meetings among installation, U.S. Army, EPA, NYSDEC, NYSDOH, LRA, and contractor technical personnel to resolve this issue.

6.5.1 BCT Action Items

An unresolved issue at this time identified by the BCT with respect to ecological risk assessment involves agreement on appropriate guidance for performing ecological risk assessment.

6.6 BASE-WIDE REMEDIAL ACTION STRATEGY

To facilitate the BRAC expedited reuse goal, it is necessary to balance the priorities of investigation and cleanup activities between a system based on relative risk (i.e., cleanup priority given to the sites with highest risk) and one based on reuse priorities (i.e., cleanup priority given to the sites with the highest potential for immediate reuse). It is the consensus of the BCT that consideration of both risk and reuse is appropriate for determining priorities at the SEDA installation.

Another issue identified by the BCT involved potential contamination sites that were identified during the EBS process. It is the consensus of the BCT that some sites (i.e., those with reasonable evidence of potential contamination) will require additional investigation, while other sites (i.e., those for which evidence of the potential for contamination is minimal) may require only a limited amount of sampling to determine that they require no further action. It is the consensus of the BCT that the investigation process previously used during the SWMU classification effort should be applied to the newly identified sites.

6.7 INTERIM MONITORING OF GROUNDWATER AND SURFACE WATER

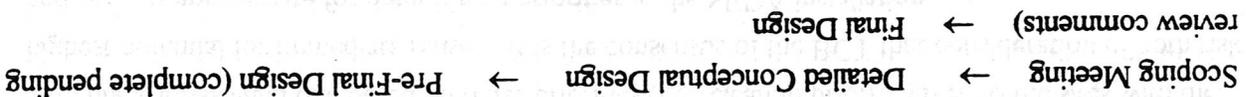
The consensus of the BCT is that groundwater monitoring is dictated by RCRA requirements or by specific site requirements. Furthermore, it is the consensus of the BCT that no unresolved issues regarding groundwater monitoring exist at this time.

6.8 EXCAVATION OF CONTAMINATED MATERIALS

The installation performed an analysis of options for disposal of non-hazardous soil excavated from various SWMUs at SEDA. That analysis considered construction of an engineered landfill in the Open Burning/Open Detonation Grounds for disposal of soil excavated from the Open Burning Grounds, as well as other SWMUs, and, alternatively, off-site disposal of excavated soil at appropriately permitted landfills. Based on that analysis, which determined that off-site disposal was the most cost-effective approach due to low landfill disposal prices, it is the consensus of the BCT that all soils excavated from the Open Burning Grounds and other SWMUs at SEDA and designated for landfilling should be disposed of at an appropriately permitted off-site landfill. Therefore, there are no unresolved issues regarding excavation of non-hazardous materials at this time.

6.9 PROTOCOLS FOR REMEDIAL DESIGN REVIEWS

It is the consensus of the BCT that the remedial design review process can be expedited by implementing the following approach:



This approach would result in two meetings (scoping meeting and detailed conceptual design meeting) and three submittals (detailed conceptual design, pre-final design, and final design). It is noted that the detailed conceptual design must contain sufficient detail to identify all system components.

No unresolved issues regarding this issue exist at this time.

6.10 CONCEPTUAL MODELS

It is the consensus of the BCT that the conceptual models contained in the Generic Work Plan are sufficient to support the risk assessment needs for SEDA. Those conceptual models are presented in Appendix E of this BCP.

There are no unresolved issues regarding this topic at this time.

6.11 CLEANUP STANDARDS

An identified unresolved issue at this time involves the concept of establishing generic cleanup standards for specified reuse scenarios. For example, establishment of a single cleanup standard for lead in soil for all SWMUs that will be reused for industrial purposes, versus calculation of independent site-specific cleanup standards for lead for each SWMU.

6.11.1 BCT Action Items

The BCT will coordinate a meeting of installation, U.S. Army, EPA, NYSDEC, NYSDOH, and contractor technical personnel to resolve this issue.

SECTION SIX**TECHNICAL AND OTHER ISSUES TO BE RESOLVED**

6.11.2 Rationale

The opinion of the U.S. Army is that establishment of generic cleanup standards based on specified reuse scenarios will expedite the environmental restoration process and be protective of human health and the environment.

The opinion of NYSDEC is that its TAGM cleanup values have been established as generic cleanup standards, and that deviation from the TAGM values will require a site-specific risk assessment to establish alternative cleanup standards.

6.11.3 Status/Strategy

Currently, cleanup standards are being established for each SWMU independently. Pending the outcome of the BCT action item, this process will continue, or generic cleanup standards will be developed, or some other process will be developed.

6.12 INITIATIVES FOR ACCELERATING CLEANUP

The BCT identified the following mechanisms for accelerating cleanup:

- Implementing planning meetings and reaching agreement between the installation, U.S. Army, and regulatory agencies prior to initiation of work
- Developing generic/scoping plans
- Improving communication between the installation, U.S. Army, regulatory agencies, and the LRA
- Using conference calls to address deliverable comments
- Removing hot spots or implementing interim remedial measures
- Using presumptive remedies
- Including options for additional field investigation phases, if needed, in basic contract scopes of work

It is the consensus of the BCT that implementing planning meetings and reaching early agreement among the installation, U.S. Army (U.S. Army Environmental Center, U.S. Army Industrial Operations Command, Headquarters Army Materiel Command, USACE, U.S. Army Center for Health Promotion and Preventative Medicine) regulatory agencies, and the LRA prior to beginning work are key to accelerating cleanup at SEDA

There are no unresolved issues regarding this topic at this time.

6.13 REMEDIAL ACTIONS

There are no unresolved issues regarding this topic at this time.

6.14 REVIEW OF SELECTED TECHNOLOGIES FOR APPLICATION OF EXPEDITED SOLUTIONS

It is the consensus of the BCT that planning and early agreement during scoping meetings are essential to selection of the appropriate technologies for remediation, and that data collection should be focused on the most likely remedial technologies. Examples of expedited solutions selected for use at SEDA are hot spot removal at the Ash Landfill and excavation, treatment, and off-site disposal of soils from the Open Burning Grounds and other SWMUs that are contaminated with metals.

There are no unresolved issues regarding this topic at this time.

6.15 HOT-SPOT REMOVALS

It is the consensus of the BCT that in selected cases, hot spot removal could result in complete remediation, thereby allowing the process to move directly to the Proposed Plan without performing a feasibility study. This would have to be evaluated on a case-by-case basis. For example, potential areas for application of this approach include SEAD-5 and SEAD-38 through SEAD-41.

There are no unresolved issues regarding this topic at this time.

6.16 IDENTIFICATION OF CLEAN PROPERTIES

Clean properties have been identified at SEDA based on the recently conducted EBS. Those properties are designated in the Draft Final EBS Report as Category 1 or 2 parcels. Based on regulatory agency written comments on the Draft Final EBS Report, the unresolved issues regarding identification of clean properties involve the following:

- Concerns by the EPA that the definition used for Category 1 in the Draft Final EBS Report contains a phrase (known as the de minimus phrase) allowing properties where less than reportable quantities of hazardous materials or 600 or fewer gallons of petroleum products were stored to be included in Category 1 and considered uncontaminated.
- Concerns by the EPA that certain Category 1 parcels identified in the Draft Final EBS Report may have been affected by adjacent parcels or property where there is evidence of a release of contaminants to the adjacent parcel or property.
- Concerns by the EPA that certain Category 1 parcels identified in the Draft Final EBS Report may have been affected by adjacent parcels or property where there has been storage of hazardous materials or petroleum products, but no evidence of a release of contaminants to the adjacent parcel or property.

6.16.1 BCT Action Items

The BRAC 95 EBS contractor (Woodward-Clyde) is currently preparing a comment response package addressing each of the EPA's identified concerns regarding identification of clean properties in the EBS report. The BCT will work to resolve specific issues with respect to identification of clean properties prior to submittal of the Draft Final EBS Report.

6.16.2 Rationale

With respect to the first EPA concern identified above, it is the EPA's opinion that the Category 1 definition used in the Draft Final EBS Report, which includes the de minimus phrase, deviates from the CERFA definition, which does not include the de minimus phrase, and therefore may not be appropriate for use in determining uncontaminated properties. Therefore, the EPA will consider each parcel on a case-by-case basis when determining whether the parcel is uncontaminated.

It is the U.S. Army's opinion that the de minimus phrase pertains only to storage, not release, of hazardous materials or petroleum products and thus only affects whether a parcel is a Category 1 or a Category 2 (both of which are considered uncontaminated with respect to CERCLA). In no case was a parcel designated as Category 1 if there was a known release of contamination to the parcel. Therefore, the inclusion of the de minimus phrase in the Category 1 definition is irrelevant with respect to identification of clean properties.

With respect to the second EPA concern identified above, it is the EPA's opinion that it may be inappropriate to designate a parcel as Category 1 if it is adjacent to a property or parcel where there has been a known or suspected release of contamination unless data are available to confirm that migration of contamination has not occurred from the adjacent property to the Category 1 parcel.

It is the installation's opinion that it is appropriate to designate a parcel as Category 1 when there is no evidence that a contaminated adjacent property has affected the Category 1 parcel.

With respect to the third EPA concern identified above, it is the EPA's opinion that it may be inappropriate to designate a parcel as Category 1 if it is adjacent to a property or parcel where there has been storage of hazardous materials or petroleum products unless data are available to confirm that a migration of contamination has not occurred from the adjacent property to the Category 1 parcel.

It is the installation's opinion that it is appropriate to designate a parcel as Category 1 when there is no evidence that an adjacent property has affected the Category 1 parcel, particularly when there is no evidence of a release of contaminants on the adjacent property.

6.16.3 Status/Strategy

As noted above, the BRAC 95 EBS contractor is currently preparing a comment response package addressing each of the EPA's identified concerns regarding identification of clean properties in the EBS report. Following submittal of the comment response package, installation, U.S. Army, regulatory agency, and contractor personnel will meet to resolve issues regarding identification of clean properties. Based on the resolution of the comments, the Category 1 and 2 parcels will either remain as Category 1 and 2 or will be revised to other categories in the Final EBS Report.

SECTION SIX**TECHNICAL AND OTHER ISSUES TO BE RESOLVED****6.17 OVERLAPPING PHASES OF THE CLEANUP PROCESS**

The BCT considered the following under this topic:

- Cleanup of hazardous substance contamination versus cleanup of UXO
- Cleanup of contamination in different environmental media (e.g., soil versus groundwater)
- Contamination cleanup requirements versus qualifier cleanup requirements

It is the consensus of the BCT that overlapping cleanup issues will have to be addressed on a case-by-case basis at SEDA.

There are no unresolved issues regarding this topic at this time.

6.18 IMPROVED CONTRACTING PROCEDURES

The BCT considered the following under this topic:

- Benefits of purchasing versus renting equipment
- Establishment of indefinite delivery order-type contracts versus competitive bidding on every job
- Separate contract awards for design
- Building optional tasks into contracts versus modifying contracts for additional work

It is the consensus of the BCT that the existing contracting procedures are working well, but that the BCT should continue to look for ways to improve the process. It is noted that the upcoming remediation work will present opportunities for improving contracting procedures.

There are no unresolved issues regarding this topic at this time.

6.19 INTERFACING WITH THE COMMUNITY REUSE PLAN

It is the consensus of the BCT that one of the purposes of remedial actions performed at SEDDA is to facilitate the Community Reuse Plan; that is, remediation work should be expedited for priority reuse parcels identified in the Community Reuse Plan. The Community Reuse Plan is scheduled for release in October 1996.

There are no unresolved issues regarding this topic at this time.

6.20 BIAS FOR CLEANUP INSTEAD OF STUDIES

It is the consensus of the BCT that, as a goal, measures to reduce contamination should take precedence over studies in order to expedite the reuse of SEDDA and protect human health and the environment. It is noted that sufficient study must be performed to ensure that measures are adequate.

There are no unresolved issues regarding this topic at this time.

6.21 EXPERT INPUT ON CONTAMINATION AND POTENTIAL REMEDIAL ACTIONS

It is the consensus of the BCT that involvement of experts in the SEDDA remediation program has been and will continue to be implemented appropriately.

There are no unresolved issues regarding this topic at this time.

6.22 PRESUMPTIVE REMEDIES

According to the EPA in *Presumptive Remedies: Policy and Procedures*, "Presumptive remedies are preferred technologies for common categories of sites, based on historical patterns of remedy selection and EPA's scientific and engineering evaluation of performance data on technology implementation." It is the consensus of the BCT that use of presumptive remedies, where applicable and appropriate, will expedite the reuse of property at SEDDA.

The following presumptive remedies are recognized as potentially applicable at SEDDA:

- Soil vapor extraction, thermal desorption, and incineration for VOCs in soil

SECTION SIX**TECHNICAL AND OTHER ISSUES TO BE RESOLVED**

- Containment at landfills (including capping, leachate collection and treatment, landfill gas treatment, institutional controls, etc.)
- Pump and treat for contaminated groundwater

Presumptive remedies are currently being developed for PCB sites.

In addition, the following SEDA-specific presumptive remedies are being considered by the BCT:

- Low temperature thermal desorption using the installation deactivation furnace for volatile organic compounds in soil
- Excavation, on-site treatment, and off-site disposal in an appropriately permitted landfill for soil containing metals

There are no unresolved issues regarding this topic at this time.

6.23 PARTNERING (USING INNOVATIVE MANAGEMENT, COORDINATION, AND COMMUNICATION TECHNIQUES)

It is the consensus of the BCT that partnering between the installation, regulatory agencies, and the LRA has been and will continue to be implemented appropriately. Furthermore, use of planning meetings and reaching early agreement between the installation, U.S. Army, regulatory agencies, and the LRA are the most effective ways to expedite remediation at SEDA.

There are no unresolved issues regarding this topic at this time.

6.24 UPDATING THE EBS AND NATURAL/CULTURAL RESOURCES DOCUMENTATION

It is the consensus of the BCT that the EBS report is, by definition, a baseline document that establishes the environmental condition of the BRAC property at the time the EBS was performed. Further, it is the consensus of the BCT that the appropriate vehicle for documenting changes to the environmental condition of the property as remediation progresses is the BCP, which presents the CERFA map, CERFA table, and the text describing the environmental condition of the BRAC

property. Therefore, it is the intent of the BCT to update the CERFA map, CERFA table, and text discussions of the environmental condition of the property as the BCP undergoes periodic updates. The EBS report will not be updated after being issued in its final form in early 1997.

6.24.1 Natural Resources

The Natural Resource Management Program consists of Forest Management, Fish and Wildlife Management, and Land Management. These combined programs evaluate the current status of the natural environment at SED A and future plans to maintain and enhance these areas. The Natural Resource Management Plans consist of the Forest Management Plan, the Fish and Wildlife Management Plan, and the Land Management Plan. These plans require updating every 5 years. The last submission of the plans was in 1992. Program review and management is coordinated with the NYSDEC and with the U.S. Fish and Wildlife Service.

6.24.2 Cultural Resource Program

The Cultural Resource Program consists of the archaeological investigations of prehistoric/historic sites and the identification of buildings or areas that may be considered eligible for inclusion in the National Register of Historic Places. An Historic American Building Survey and an Historic American Engineering Record report were completed in 1984. The report was finalized before the installation passed through the 50-year window with respect to eligibility considerations for the National Register. Ongoing archaeological investigations will address installation-wide history prior to early-American settlement. Other buildings associated with the Cold War era classified mission were not evaluated. These records will be evaluated and updated to include all current information. The results of the archaeological surveys and the update to the building evaluation will aid in evaluating the need for additional investigations and in the submission of eligibility determinations.

An Archaeological Overview and Management Plan for SED A was completed in 1986. Information from this plan was used to identify areas that required further study. Because this installation is now a BRAC 95 installation, updates that would normally be made to this plan will be used to negotiate a Programmatic Agreement or a Memorandum of Understanding with the State Historic Preservation Officer to document any work required for compliance and for property transfer.

SECTION SIX**TECHNICAL AND OTHER ISSUES TO BE RESOLVED**

Additional projects to comply with requirements of a number of federal statutes, Executive Orders and memoranda, and U.S. Army policies regarding consultation and coordination with Native American tribal organizations will begin in fiscal year 1997.

6.25 IMPLEMENTING THE POLICY FOR ON-SITE DECISION MAKING

The BCT considered the following under this topic:

- The need to recognize the authority and responsibility of the BCT to make on-site decisions
- The limitations on the authority of the regulatory agency BCT members to make decisions without approval from their superiors

6.26 RESERVE ENCLAVES

According to the BRAC Implementation Plan for SEDA, the following reserve enclaves are designated to be retained indefinitely by the U.S. Army:

- Six warehouses to be used in the future as hazardous materials warehouses (Buildings 339, 347, 348, 350, 356, and 357)
- Twenty strategic reserve ore piles
- One administrative building (Building 103)
- Thirty-six areas of known environmental contamination

Because the reserve enclaves are not included in the BRAC property to be disposed of, the parcels associated with those enclaves are not within the purview of the BCP. However, concerns have been raised by NYSDEC that there is the potential for several of the ore pile reserve enclaves to affect the environmental condition of property adjacent to those reserve enclaves.

An unresolved issue at this time is whether reserve ore piles should be reevaluated as potential sources for contamination to downwind adjacent parcels.

6.26.1 BCT Action Items

The BCT will coordinate discussions among installation, U.S. Army, EPA, NYSDEC, and contractor personnel to resolve this issue.

6.26.2 Rationale

The opinion of NYSDEC is that the reserve ore piles are potential sources of contamination to downgradient BRAC parcels due to leaching of the ore and subsequent contamination of groundwater. Previous decisions to exclude the ore piles from the SWMU classification process should be reevaluated to address the potential for ore piles to act as contaminant sources.

The opinion of the U.S. Army is that ore piles do not act as sources of contamination due to leaching. The U.S. Army contends that agreement was previously reached between the U.S. Army, NYSDEC, and EPA to exclude the ore piles from the SWMU classification process because of the minimal potential for leaching. The NYSDEC has stated that it has no knowledge of such an agreement. If such an agreement exists, NYSDEC has requested that a copy be provided to NYSDEC for review.

6.26.3 Status/Strategy

The environmental condition of all areas of SEDDA, including the reserve enclaves, was addressed in the EBS at the BEC's request. The EBS assigned environmental condition of property categories to all 20 reserve ore piles and identified 15 of them as hazardous materials. The BEC will provide additional information to NYSDEC and EPA to support the U.S. Army's position that the ore piles do not leach contamination. Based on a review of that information, as well as the results of discussions among installation, U.S. Army, NYSDEC, EPA, and contractor personnel, decisions will be made regarding the need for further assessment of the ore piles as potential sources of contamination.

6.27 BCP CONCURRENCE BY BCT

The BCP Abstract presented at the beginning of this document states that the BCP Abstract has been reviewed and concurred to by the BCT. The only outstanding issue with regard to the concurrence involves clarification of the scope of concurrence.

The BCP Abstract contains a summary of the property acreage for each category of environmental condition of property, as well as other information derived from the Draft Final EBS Report. The NYSDEC and EPA BCT members commented on the Draft EBS Report (including the environmental condition of property categories), but did not have the opportunity to review resolution of their comments in the Draft Final EBS Report prior to submission of the final BCP (Version 1) on November 1, 1996. Therefore, NYSDEC and EPA BCT member concurrence with the BCP Abstract does not constitute concurrence with the EBS-related material contained in the final BCP Abstract or in other portions of the final BCP (Version 1).

Resolution of NYSDEC and EPA comments on the EBS Report and finalization of that report is expected to occur early in 1997. Inclusion of the final EBS information in the BCP Abstract and BCP will occur as part of the scheduled BCP update (Version 2) in late 1997.

7.0 REFERENCES

Department of Defense (DOD). 1995. BRAC Cleanup Plan Guidebook.

Engineering Science, Inc. 1994. Solid Waste Management Classification Study, Seneca Army Depot, Romulus, New York.

Headquarters, SEDA. 1995. The SEDA BRAC 1995 Implementation Plan.

Parsons Engineering Science, Inc. 1995. Expanded Site Inspection Report Eight Moderately Low Priority Areas of Concern, SED, Romulus, NY .

STV/Lyon Associates. 1990. Future Development Master Plan for Seneca Army Depot, Romulus, New York.

U.S. Army Toxic and Hazardous Materials Agency (USATHAMA). 1980. Installation Assessment of Seneca Army Depot, Report No. 157.

6NYCRR Part 373 Permit Application for Hazardous Waste Management Facilities at SEDA, Romulus, New York. 1991.

APPENDIX A

FISCAL YEAR FUNDING REQUIREMENTS/COSTS

Activity	1992	1993	1994	1995	1996	1997	1998	1999	2000
Construction	70	316	346	376	376	376	376	376	376
Operations	301	313	313	313	313	313	313	313	313
Compliance	111	111	111	111	111	111	111	111	111
Maintenance	165	165	165	165	165	165	165	165	165
TOTAL	647	905	931	965	965	965	965	965	965

SENeca ARMY DEPOT ACTIVITY, NEW YORK
 FISCAL YEAR FUNDING REQUIREMENTS/COSTS
 1-1-2000

**TABLE A-1
 TOTAL ENVIRONMENTAL PROGRAM SUMMARY
 FUNDING REQUIREMENTS (\$000)**

PROGRAM	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005-2022
Restoration	7,493	10,432	17,589	64,655	11,280	68,005	9,095	3,545	1,900	1,000 per year
Compliance	2,458	3,041	1,234	14,291	1,091	10,541	10,541	536	-	-
Conservation	507	207	47	37	37	37	37	27	-	-
Foundation	201	206	206	208	210	210	210	210	-	-
TOTAL	10,659	13,886	19,076	79,191	12,618	78,793	19,883	4,318	1,900	1,000

**TABLE B-1
INSTALLATION ENVIRONMENTAL RESTORATION DOCUMENT SUMMARIES**

DOCUMENT NO.	DOCUMENT TYPE	TITLE	DOCUMENT DATE	AUTHOR	RECIPIENT(S)	DATE PLACED IN RECORD FILE
SEAD-01-001	Report	Work Plan for CERCLA ESI of Ten SWMUs SEAD, Romulus, NY	January 8, 1993	Parsons Mann, Inc., Boston, MA	SEAD	3/28/1994
SEAD-01-002	Report	Work Plan for CERCLA ESI of Fifteen SWMUs at SEAD, Romulus, NY	April 1993	Engineering Science, Inc., Boston, MA	SEAD	3/28/1994
SEAD-01-003	Sampling Data	10 SWMU Expanded Site Inspection, Validated Data Tables	April 1994	Engineering Science, Inc., Boston, MA	SEAD	5/6/1994
SEAD-01-004	Report	Final SWMU Classification Report	September 1994	Engineering Science, Inc., Boston, MA	SEAD	6/28/1994
SEAD-01-005	Data Tables	15 SWMU (7 Low Priority and 8 Moderately Low Priority) Expanded Site Inspection, Validated Data Tables	October 13, 1994	Parsons Engineering Science, Inc., Boston, MA	USACE Huntsville	11/7/1995
SEAD-01-006	Plan	SEAD-4 Project Scoping Plan for Performing a CERCLA R/FS at the Munitions Washout Facility Leach Field (Pre-Draft)	June 1995	Parsons Engineering Science, Inc.	USACE Huntsville	11/1/1995
SEAD-01-007	Plan	SEAD-5, SEAD-59, SEAD-71 Project Scoping Plan for Performing a CERCLA R/FS at the Sewage Sludge Waste Piles (SEAD-5), the fill Area West of Building 135 (SEAD-59), the Alleged Paint Disposal Area (SEAD-71) (Draft)	January 1996	Parsons Engineering Science, Inc.	USACE Huntsville	2/1/1996
SEAD-01-008	Plan	SEAD-11, SEAD-64A, SEAD-64D, Project Scoping Plan for Performing a CERCLA R/FS at the Construction Debris Landfill (SEAD-11), Garbage Disposal Areas (SEAD 64A and 64D) (Draft)	November 1995	Parsons Engineering Science, Inc.	USACE Huntsville	1/18/1996
SEAD-01-009	Plan	SEAD-12, SEAD-48, SEAD-63 Project Scoping Plan for Performing a CERCLA R/FS at Building 804 and the Associated Radioactive Waste Burial Sites (SEAD-12), Pitchblende Storage Igloos (SEAD-48, and the Miscellaneous Components Burial Site (SEAD-63) (Draft)	August 1995	Parsons Engineering Science, Inc.	USACE Huntsville	11/1/1995
SEAD-01-010	Plan	SEAD-13 Project Scoping Plan for Performing a CERCLA R/FS at the Inhibited Red Furning Nitric Acid Disposal Site (Draft)	November 1995	Parsons Engineering Science, Inc.	USACE Huntsville	11/1/1995
SEAD-01-011	Plan	SEAD-16 and SEAD-17 Project Scoping Plan for Performing a CERCLA R/FS at the Abandoned Deactivation Furnace and the Existing Deactivation Furnace (Final)	October 1995	Parsons Engineering Science, Inc.	USACE Huntsville	11/1/1995
SEAD-01-012	Plan	SEAD-25 and SEAD-26 Project Scoping Plan for Performing a CERCLA R/FS at the Fire Training and Demonstration Pad and Fire Training Pit and Area (Draft-Final)	July 1995	Parsons Engineering Science, Inc.	USACE Huntsville	11/1/1995

**TABLE B-1
INSTALLATION ENVIRONMENTAL RESTORATION DOCUMENT SUMMARIES (continued)**

DOCUMENT NO.	DOCUMENT TYPE	TITLE	DOCUMENT DATE	AUTHOR	RECIPIENT(S)	DATE PLACED IN RECORD FILE
SEAD-01-013	Plan	Project Scoping Plan for Performing a CERCLA RI/FS at the Open Detonation (OD) Grounds (SEAD-45) and the Explosive Ordnance Disposal Area (SEAD-57) (Draft)	February 23, 1996	Parsons Engineering Science, Inc.	USACE Huntsville	11/1/1995
SEAD-01-014	Plan	SEAD-46 Project Scoping Plan for Performing a CERCLA RI/FS at the Small Arms Range (Draft)	May 8, 1996	Parsons Engineering Science, Inc.	USACE Huntsville	11/1/1995
SEAD-01-015	Plan	SEAD-52 and SEAD-60 Project Scoping Plan for Performing a CERCLA RI/FS at the Ammunition Breakdown Area (SEAD-52) and at the Oil Discharge Area Adjacent to Building 609 (SEAD-60) (Draft)	January 1996	Parsons Engineering Science, Inc.	USACE Huntsville	11/1/1995
SEAD-01-016	Plan	SEAD-66 Project Scoping Plan for Performing a CERCLA RI/FS at the Pesticide Storage Area Near Buildings 5 and 6 (Pre-Draft)	February 1995	Parsons Engineering Science, Inc.	USACE Huntsville	11/1/1995
SEAD-01-017	Report	Expanded Site Inspection Seven Low Priority areas of Concern- SEADs 60, 62, 63 (A, B, C, and D), 67, 70, and 71 (Draft-Final, 2 Volumes)	May 2, 1996	Parsons Engineering Science, Inc.	USACE Huntsville	11/7/1995
SEAD-01-018	Report	Expanded Site Inspection Low Priority Areas of Concern - SEADs 5, 9, 12 (A and B), 43, 56, 69, 44 (A and B), 50, 58, and 59 (Draft, 2 Volumes)	April 1995	Parsons Engineering Science, Inc.	USACE Huntsville	11/7/1995
SEAD-01-019	Report	Expanded Site Inspection Three Moderate Priority SWMUs - SEADs 11, 13, and 57 (Draft-Final)	May 1995	Parsons Engineering Science, Inc.	USACE Huntsville	11/7/1995
SEAD-01-020	Report	Expanded Site Inspection Seven High Priority SWMUs - SEADs 4, 16, 17, 24, 25, 26, and 45 (, Draft-Final, 2 Volumes)	May 1995 (Volume 1), April 1994 (Volume 2)	Parsons Engineering Science, Inc.	USACE Huntsville	11/7/1995
SEAD-01-021	Plan	Generic Installation RI/FS Work Plan for SEDA (Final)	August 1995	Parsons Engineering Science, Inc.	USACE Huntsville	11/7/1995
SEAD-01-022	Specifications	Section C (SOW) - Technical Specifications - Removal Action at 5 SWMUs for Volatile Organic Compounds (SEADs 25, 38, 39, 40, and 41) (2 Volumes)	March / September 1995	Parsons Engineering Science, Inc.	USACE Huntsville	11/7/1995
SEAD-01-023	Specifications	Section C (SOW) - Technical Specifications - Removal Action at 3 SWMUs for Metals and Semivolatile Organics (SEADs 24, 50/54, 67)	October 1995	Parsons Engineering Science, Inc.	USACE Huntsville	1/18/1996
SEAD-01-024	Report	Process Evaluation Report for the Operation of the APE 1236 Deactivation Furnace (Site SEAD 17) at SEDA (Final)	December 1995	Parsons Engineering Science, Inc.	SEDA and USACE Huntsville	1/22/1996
SEAD-01-025	Report	Environmental Baseline Survey Report	February 1996	Woodward-Clyde Federal Services	SEDA and USACE New York	%23/1996
SEAD-03-013	Report	Community Relations Plan (CRP), Seneca Army Depot	October 1992	USACE, Toxic and Hazardous materials Agency	SEAD	2/10/1993
ASH-01-001	Site Inspection Report	Seneca Army Depot Burning Pit/Landfill Site Investigation Final Report	July 1989	ICF Technology Incorporated	USATHAMA	3/16/1992

**TABLE B-1
INSTALLATION ENVIRONMENTAL RESTORATION DOCUMENT SUMMARIES (continued)**

DOCUMENT NO.	DOCUMENT TYPE	TITLE	DOCUMENT DATE	AUTHOR	RECIPIENT(S)	DATE PLACED IN RECORD FILE
ASH-01-002	Work Plan	Final Workplan Remedial Investigation/Feasibility Study Ash Landfill Area, Seneca Army Depot	October 1991	Hunter Environmental Science and Engineering, Inc.	USACE Huntsville	3/16/1992
ASH-01-006	Preliminary Assessment Report	Preliminary Site Characterization Report at the Ash Landfill	April 1992	Chas. T. Main, Inc., Prudential Center, Boston, MA	SEAD	3/28/1994
ASH-01-008	Remedial Investigation Report	Final Remedial Investigation Report at the Ash Landfill Site	October 1994	Engineering Science, Inc., Boston, MA	SEAD	April 5, 1994
ASH-01-009	Feasibility Study	Final Feasibility Study Report at Ash Landfill Site	June 1996	Engineering Science, Inc., Boston, MA	SEAD	1/22/1996
ASH-01-010	Plan	Work Plan - Ash Landfill Immediate Response	August 1994	Engineering Science, Inc., Boston, MA	SEAD	11/8/1995
ASH-01-012	Report	Prove-Out Event Report (Final/Ash Landfill)	January 1995	Engineering Science, Inc., Boston, MA	SEAD	11/8/1995
ASH-01-014	Report	Ash Landfill Immediate Response - Final Report, Vols. I, II, III, IV, V, VI, VII, VIII, IX	July 1995	Engineering Science, Inc., Boston, MA	SEAD	11/8/1995
ASH-05-001	Decision Document	Final Action Memorandum, Ash Landfill Removal Action	May 1994	Engineering Science, Inc., Boston, MA	SEAD	6/28/1994
ASH-05-002	Decision Document	Decision Document, Ash Landfill Removal Action	September 1994	SEDA, NY	Various	12/9/1994
OBG-01-001	Report	Final Architect-Engineer Services for Performing a Remedial Investigation Feasibility Study (RI/FS) at the Open Burning (OB) Grounds	November 1991, August 1991	Chas. T. Main, Inc.	USACE, Huntsville	7/2/1992
OBG-01-004	Report	Draft OB Grounds Preliminary Site Characterization Report for April 1992	April 1992	Chas. T. Main, Inc.	USACE, Huntsville	7/12/1993
OBG-01-005	Report	Seneca OB Grounds Validated Data Tables, Phase I and II	August 1993	Engineering Science, Inc., Boston, MA	SEAD	4/4/1994
OBG-01-006	Report	Final Remedial Investigation Report at the Open Burning Grounds (and Appendices Vol. I and II)	September 1994	Engineering Science, Inc., Boston, MA	SEAD	4/4/1994
OBG-01-007	Report	Feasibility Study Report at the Open Burning Grounds (Final)	June 21, 1996	Engineering Science, Inc., Boston, MA	USACE, Huntsville	6/28/1996
FTA-01-001	Scoping Plan	SEAD-25 and SEAD-26 Project Scoping Plan for Performing a CERCLA RI/FS at the Fire Training and Demonstration Pad and Fire Training Pit and Area (See SEAD-01-012)	July 1995	Parsons Engineering Science, Inc.	USACE, Huntsville	4/25/1996
FTA-01-003	Report	Remedial Investigation Report at the Fire Training and Demonstration Pad (SEAD-25) and the Fire Training Pit and Area (SEAD-26) (Pre-Draft)	April 4, 1996	Parsons Engineering Science, Inc.	Parsons Engineering Science, Inc.	4/25/1996

APPENDIX C

DECISION DOCUMENT/RECORD OF DECISION SUMMARIES

A decision document was prepared for a removal action to treat trichloroethene-contaminated soil at the Ash Landfill site. The Army announced a 30-day public comment period and held a public meeting/poster display in August 1994. Approximately 2 acres of soil, 10 feet in depth, was excavated, treated by low temperature thermal desorption, tested for cleanliness, and backfilled on-site.

ASH LANDFILL SITE

APPENDIX C

APPENDIX D

NO FURTHER RESPONSE ACTION PLANNED SUMMARIES

TABLE D-1
NO FURTHER RESPONSE ACTION PLANNED SUMMARY

CONTAMINANT	LOCATION
SEAD-1	Building 107 - Hangar, Waste, Storage Facility
SEAD-2	Building 101 - 100 Transformer Station Facility
SEAD-3	Plant 94
SEAD-10	Personnel Support Building
SEAD-13	Building 109 - Classed Document Destruction
SEAD-14	Building 80 - Classed Document Destruction
SEAD-20	Sewage Treatment Plant No. 4
SEAD-21	Sewage Treatment Plant No. 11A
SEAD-22	Sewage Treatment Plant No. 11B
SEAD-23	Building 115 - Underground Water (UW)
SEAD-24	Building 117 - Underground Water (UW)
SEAD-25	Building 116 - Waste Oil Burning Boilers (WOB)
SEAD-26	Building 131 - Waste Oil Burning Boilers (WOB)
SEAD-27	Building 119 - Waste Oil Burning Boilers (WOB)
SEAD-28	Building 106 - Transformer Station
SEAD-29	Buildings 121 and 122 - Radiation Calibration Source Storage
SEAD-30	Building 110 - Laboratory
SEAD-31	Building 105 - Laboratory
SEAD-32	Building 104 - Laboratory
SEAD-33	Building 103 - Laboratory
SEAD-34	Building 102 - Laboratory
SEAD-35	Building 101 - Laboratory
SEAD-36	Building 100 - Laboratory
SEAD-37	Building 99 - Laboratory
SEAD-38	Building 98 - Laboratory
SEAD-39	Building 97 - Laboratory
SEAD-40	Building 96 - Laboratory
SEAD-41	Building 95 - Laboratory
SEAD-42	Building 94 - Laboratory
SEAD-43	Building 93 - Laboratory
SEAD-44	Building 92 - Laboratory
SEAD-45	Building 91 - Laboratory
SEAD-46	Building 90 - Laboratory
SEAD-47	Building 89 - Laboratory
SEAD-48	Building 88 - Laboratory
SEAD-49	Building 87 - Laboratory
SEAD-50	Building 86 - Laboratory
SEAD-51	Building 85 - Laboratory
SEAD-52	Building 84 - Laboratory
SEAD-53	Building 83 - Laboratory
SEAD-54	Building 82 - Laboratory
SEAD-55	Building 81 - Laboratory
SEAD-56	Building 80 - Laboratory
SEAD-57	Building 79 - Laboratory
SEAD-58	Building 78 - Laboratory
SEAD-59	Building 77 - Laboratory
SEAD-60	Building 76 - Laboratory
SEAD-61	Building 75 - Laboratory
SEAD-62	Building 74 - Laboratory
SEAD-63	Building 73 - Laboratory
SEAD-64	Building 72 - Laboratory
SEAD-65	Building 71 - Laboratory
SEAD-66	Building 70 - Laboratory
SEAD-67	Building 69 - Laboratory
SEAD-68	Building 68 - Laboratory
SEAD-69	Building 67 - Laboratory
SEAD-70	Building 66 - Laboratory
SEAD-71	Building 65 - Laboratory
SEAD-72	Building 64 - Laboratory
SEAD-73	Building 63 - Laboratory
SEAD-74	Building 62 - Laboratory
SEAD-75	Building 61 - Laboratory
SEAD-76	Building 60 - Laboratory
SEAD-77	Building 59 - Laboratory
SEAD-78	Building 58 - Laboratory
SEAD-79	Building 57 - Laboratory
SEAD-80	Building 56 - Laboratory
SEAD-81	Building 55 - Laboratory
SEAD-82	Building 54 - Laboratory
SEAD-83	Building 53 - Laboratory
SEAD-84	Building 52 - Laboratory
SEAD-85	Building 51 - Laboratory
SEAD-86	Building 50 - Laboratory
SEAD-87	Building 49 - Laboratory
SEAD-88	Building 48 - Laboratory
SEAD-89	Building 47 - Laboratory
SEAD-90	Building 46 - Laboratory
SEAD-91	Building 45 - Laboratory
SEAD-92	Building 44 - Laboratory
SEAD-93	Building 43 - Laboratory
SEAD-94	Building 42 - Laboratory
SEAD-95	Building 41 - Laboratory
SEAD-96	Building 40 - Laboratory
SEAD-97	Building 39 - Laboratory
SEAD-98	Building 38 - Laboratory
SEAD-99	Building 37 - Laboratory
SEAD-100	Building 36 - Laboratory

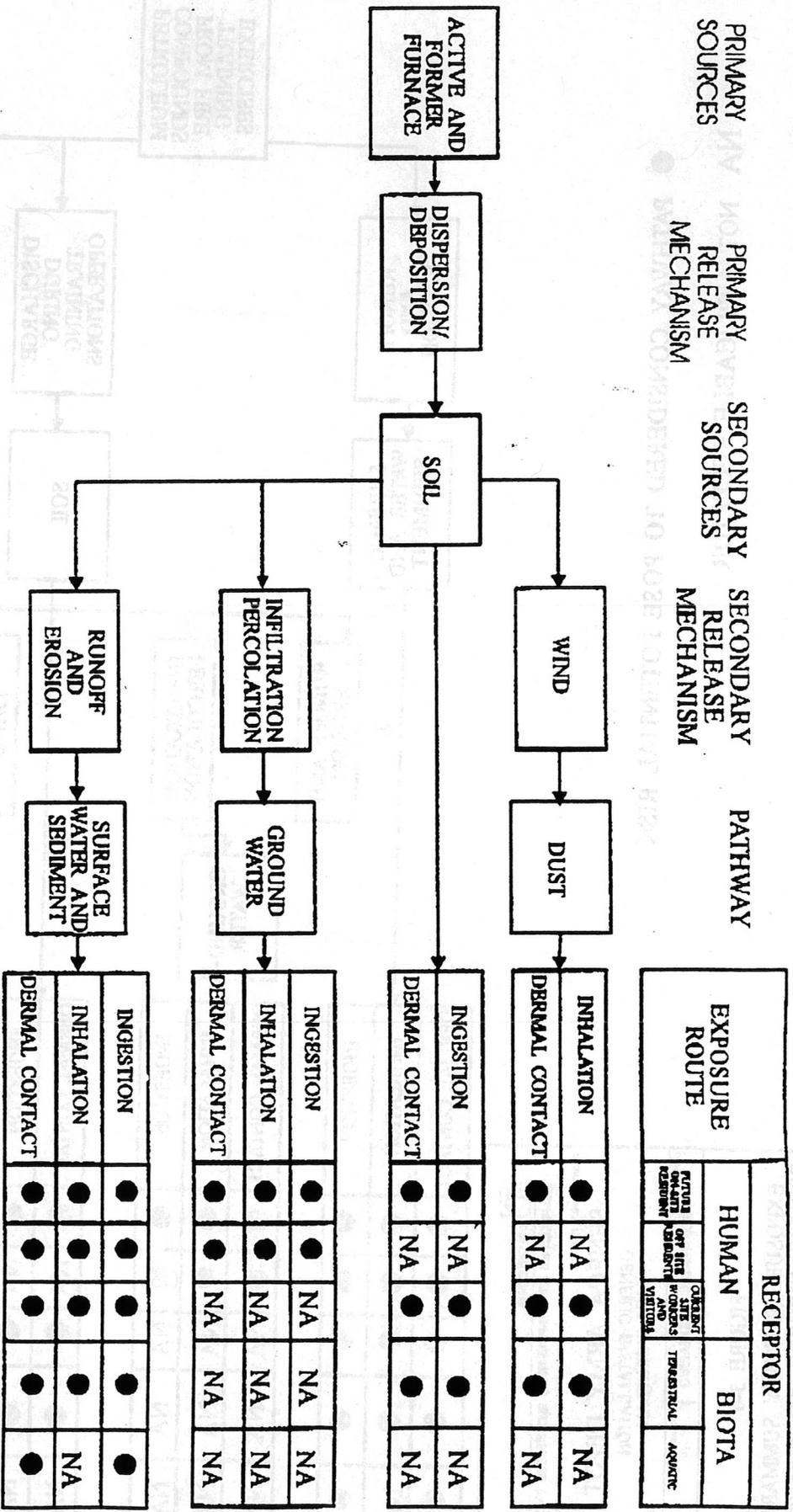
NO FURTHER RESPONSE ACTION PLANNED SUMMARIES

The following list of No Further Action Solid Waste Management Units (SWMUs) shown in Table D-1 was developed as a result of meetings between the U.S. Army, EPA, and NYSDEC. A decision document will be prepared for these sites.

**TABLE D-1
SOLID WASTE MANAGEMENT UNITS REQUIRING NO FURTHER ACTION
SENECA ARMY DEPOT ACTIVITY**

UNIT NUMBER	UNIT NAME
SEAD-1	Building 307 - Hazardous Waste Container Storage Facility
SEAD-2	Building 301 - PCB Transformer Storage Facility
SEAD-7	Shale Pit
SEAD-10	Present Scrap Wood Site
SEAD-18	Building 709 - Classified Document Incinerator
SEAD-19	Building 801 - Classified Document Incinerator
SEAD-20	Sewage Treatment Plant No. 4
SEAD-21	Sewage Treatment Plant No. 715
SEAD-22	Sewage Treatment Plant No. 314
SEAD-29	Building 732 - Underground Waste Oil Tank
SEAD-30	Building 118 - Underground Waste Oil Tank
SEAD-31	Building 117 - Underground Waste Oil Tank
SEAD-35	Building 718 - Waste Oil-Burning Boilers (3 units)
SEAD-36	Building 121 - Waste Oil-Burning Boilers (2 units)
SEAD-37	Building 319 - Waste Oil-Burning Boilers (2 units)
SEAD-42	Building 106 - Preventive Medicine Laboratory
SEAD-47	Buildings 321 and 806 - Radiation Calibration Source Storage
SEAD-49	Building 356 - Columbite Ore Storage
SEAD-51	Herbicide Usage - Perimeter of High Security Area
SEAD-53	Munitions Storage Igloos
SEAD-55	Building 357 - Tannin Storage
SEAD-61	Building 718 - Underground Waste Oil Tank
SEAD-65	Acid Storage Areas
SEAD-72	Building 803 - Mixed Waste Storage Facility

PRIMARY SOURCES PRIMARY RELEASE MECHANISM SECONDARY SOURCES SECONDARY RELEASE MECHANISM PATHWAY



● PATHWAY CONSIDERED TO POSE POTENTIAL RISK
 NA NOT APPLICABLE RECEPTOR

EXPOSURE ROUTE	RECEPTOR			
	HUMAN	BIOTA	AQUATIC	
INHALATION	●	NA	●	●
DERMAL CONTACT	●	NA	●	NA

INGESTION	●	NA	●	●	NA
DERMAL CONTACT	●	NA	●	●	NA

INGESTION	●	●	NA	NA	NA
INHALATION	●	●	NA	NA	NA
DERMAL CONTACT	●	●	NA	NA	NA

INGESTION	●	●	●	●	●
INHALATION	●	●	●	●	NA
DERMAL CONTACT	●	●	●	●	●

PARSONS
 PARSONS ENGINEERING SCIENCE, INC.

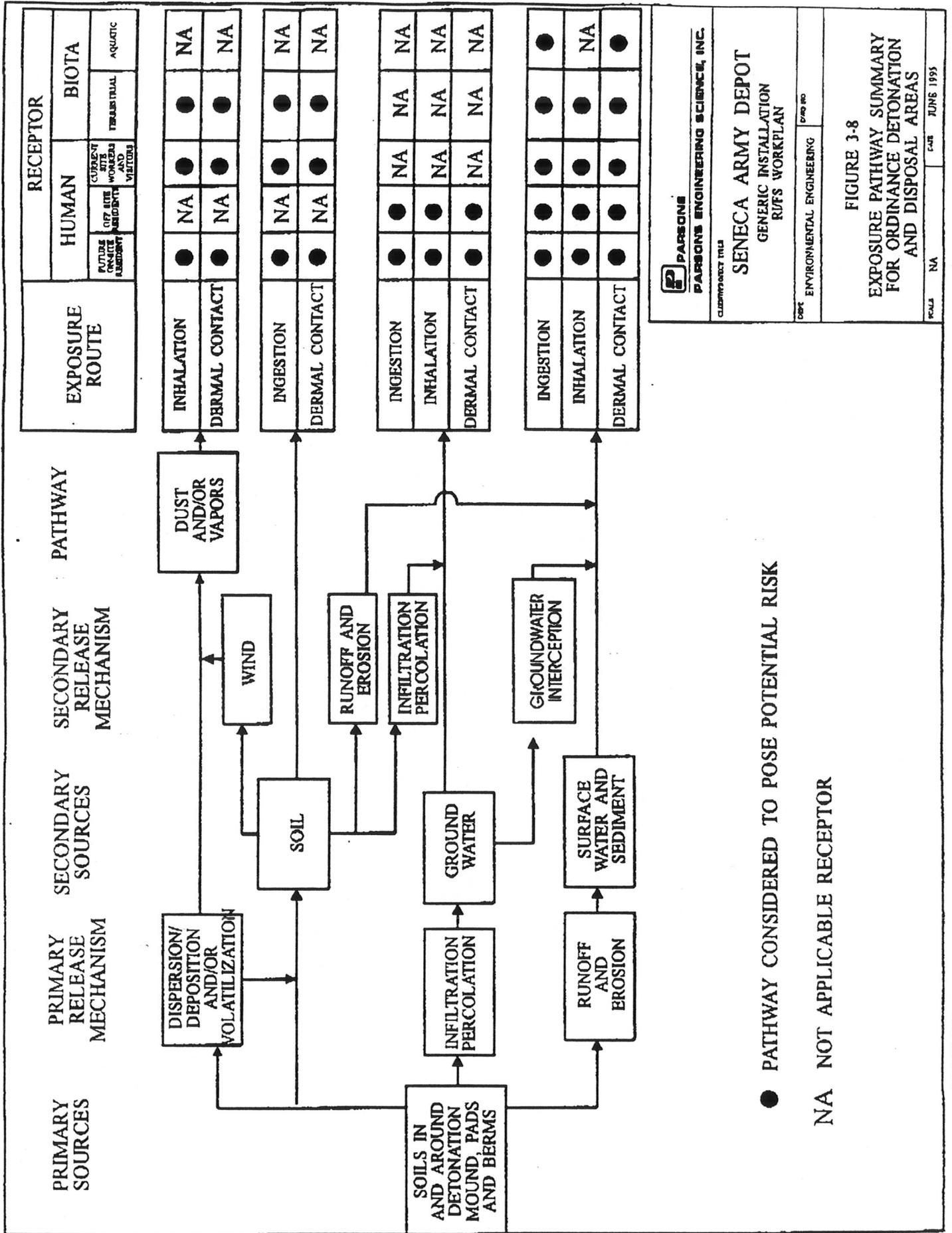
CLIENT/PROJECT TITLE
 SENECA ARMY DEPOT
 GENERIC INSTALLATION
 RIFS WORKPLAN

DEPT
 ENVIRONMENTAL ENGINEERING

DATE
 JUNE 1991

SCALE
 NA

FIGURE 3-7
 EXPOSURE PATHWAY SUMMARY
 FOR FURNACES



● PATHWAY CONSIDERED TO POSE POTENTIAL RISK

NA NOT APPLICABLE RECEPTOR

PARSONS
PARSONS ENGINEERING SCIENCE, INC.

CLIENT/PROJECT TITLE
**SENECA ARMY DEPOT
 GENERIC INSTALLATION
 RIFS WORKPLAN**

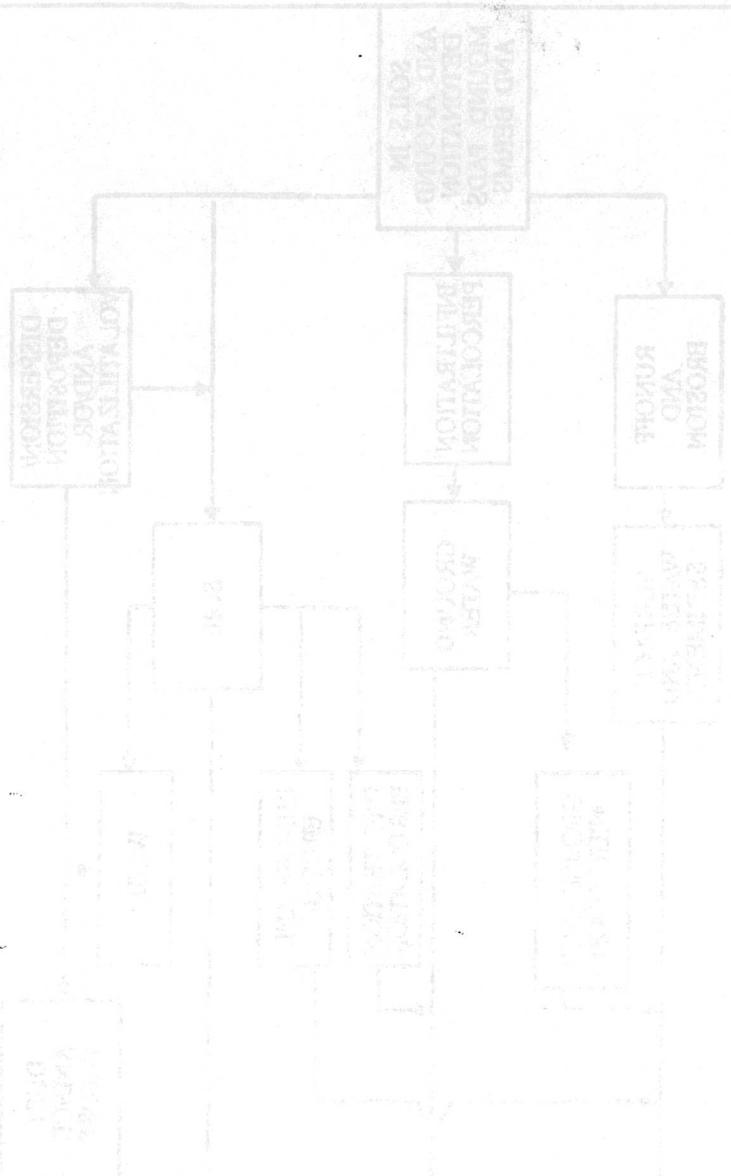
DEPT ENVIRONMENTAL ENGINEERING DRAWING NO.

FIGURE 3-8
**EXPOSURE PATHWAY SUMMARY
 FOR ORDNANCE DETONATION
 AND DISPOSAL AREAS**

SCALE: NA DATE: JUNE 1995

NA NOT APPLICABLE REFLECTION

● PATHWAY CONSIDERED TO BE A SOURCE OF CONTAMINATION



PRIMARY SOURCES
MECHANISM
PRIMARY SOURCES
MECHANISM
SECONDARY SOURCES
MECHANISM
WATER

Pathway	Water	Soil	Air	Biota
PERCOLATION DILUTION AND DISPERSION	NA	NA	NA	NA
BROUEN AND RUNOFF	NA	NA	NA	NA
WATER AND SOIL	NA	NA	NA	NA
WATER	NA	NA	NA	NA
AIR	NA	NA	NA	NA
BIOTA	NA	NA	NA	NA
NON-ATMOSPHERIC DEPOSITION	NA	NA	NA	NA

REPORT NO. 18

DATE: 1968

PROJECT: ARMY DEPOT

LOCATION: ARMY DEPOT

CONDUCTED BY: ARMY DEPOT

APPROVED BY: ARMY DEPOT

Source	Medium	Biota
WATER	NA	NA
SOIL	NA	NA
AIR	NA	NA
BIOTA	NA	NA