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FINAL

U.S. ARMY BASE REALIGNMENT AND CLOSURE 95 PROGRAM

Environmental Baseline Survey Report

Seneca Army Depot Activity, New York

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

March 12, 1997

Woodward-Clyde

Woodward-Clyde Federal Services
4582 S. Ulster Street
Stanford Place 3, Suite 1200
Denver, Colorado 80237

Contract No. DACA87-95-D-1001

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Engineering & sciences applied to the earth & its environment

March 11, 1997

Mr. Steve Absolom
BRAC Environmental Coordinator
U.S. Army Corps of Engineers
Seneca Army Depot, Bldg. 115, Route 96
Romulus, NY 14541

Subject: *Final Environmental Baseline Survey and CERFA Letter Reports for Seneca Army Depot Activity, New York*

Dear Mr. Absolom:

In accordance with the contract for the U.S. Army Base Realignment and Closure (BRAC) 95 Program, Woodward-Clyde has enclosed the following:

- Final EBS Report: seven hard copies and one set of diskettes; and
- Final CERFA Letter Report: one hard copy of the letter, seven hard copies of the accompanying tables, and one diskette.

A copy of the Final EBS Report has also been provided to BRAC 95 Program personnel listed below. The Final EBS and CERFA Letter Reports should be forwarded by the BRAC Environmental Coordinator (BEC) to the regulators for review as per the attached guidelines.

If you have any questions, please contact me at (206) 343-7933.

Very truly yours,

Geoffrey C. Compeau
Project Manager

Attachment

GCC:msj

cc: Final EBS Report only
- Randy Battaglia, GPM, USACE (including one set of diskettes)
- Mike Nelson, USACE, Seattle District
- Pete Cunanan, U.S. Army Materiel Command
- Glen Boldt, USAEC
- Don Conlon, USACE, Mobile District (2 hard copies)
- Robin Mills, DAIM-BO

Woodward-Clyde Federal Services • A subsidiary of Woodward-Clyde Group, Inc.
Stanford Place 3, Suite 1200 • 4582 South Ulster Street • Denver, Colorado 80237
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Woodward-Clyde

Engineering & sciences applied to the earth & its environment

December 5, 1997

Stephen Absolom
BRAC Environmental Coordinator
Directorate of Engineering and Housing
Seneca Army Depot Activty (SEDA)
Romulus, NY 14541-5001

Subject: *Responses to EPA comments and revised CERFA Tables 1 and 2a*

Dear Mr. Absolom:

In accordance with your request to respond to comments from the EPA on the *Seneca Army Depot Activity, New York, Draft Final Environmental Baseline Survey Report* dated October 30, 1996, Woodward-Clyde has enclosed the following:

- Responses to EPA Comments: one hard copy and one copy on diskette;
- Revised CERFA Table 1: one hard copy and one copy on diskette; and
- Revised CERFA Table 2a: one hard copy and one copy on diskette.

Hard copies of the responses and tables have also been provided to the BRAC 95 Program personnel listed below. No revisions to CERFA Table 2b were required at this time. Please note that the parcel categories are in accordance with the DOD BRAC 95 guidance.

As always, it has been a pleasure working with you and your staff at Seneca Army Depot Activity. If you have any questions, please contact me at (206) 343-7933.

Very truly yours,

Richard J. Jewill For

Geoffrey C. Compeau, Ph.D.
Project Manager

Attachments

cc: Randy Battaglia, GPM, USACE
Mike Nelson, USACE, Seattle District

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EXECUTIVE SUMMARY

The Seneca Army Depot Activity, located in Romulus, New York, has been selected for closure under the 1995 Base Realignment and Closure (BRAC) process. The purpose of this Environmental Baseline Survey (EBS) is to classify discrete areas of real property associated with the Seneca Army Depot Activity, subject to transfer or lease, into one of the seven standard environmental condition of property area types as defined by Community Environmental Response Facilitation Act (CERFA) guidance and the Department of Defense (DOD) *BRAC Cleanup Plan (BCP) Guidebook* (DOD 1993). This is achieved by identifying, characterizing, and documenting the obviousness of the presence or likely presence of a release or threatened release of hazardous substances or petroleum products associated with the historical and current use of the Seneca Army Depot Activity. Releases at properties adjacent to the Seneca Army Depot Activity that could affect the environmental condition of the installation property are also identified, characterized, and documented. Additionally, areas containing or suspected of containing non-Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) contamination substances (e.g., asbestos-containing material, lead-based paint) that may limit or preclude the transfer or lease of the property for unrestricted use are delineated separately as qualified.

The seven standard environmental condition of property area types (categories) are presented in Section 1.3. Areas that are designated as Category 1, 2, 3, or 4 are suitable for transfer or lease, subject to consideration of the qualifiers. Areas that are currently designated as Category 5, 6, or 7 are not suitable for transfer.

The real property evaluated under this investigation of the Seneca Army Depot Activity consists of three geographic areas that together encompass approximately 10,634 acres, all of which were identified as BRAC property, subject to transfer or lease.

The Seneca Army Depot Activity was established in 1941 as a munitions and general purpose storage depot. In addition, the Seneca Army Depot Activity mission has included the demilitarization and destruction of munitions. Although the munitions currently stored at the Seneca Army Depot Activity are conventional, from the 1950s to 1993 the Seneca Army Depot Activity mission included the storage and maintenance of special weapons.

EXECUTIVE SUMMARY

To prepare the EBS report, Woodward-Clyde reviewed existing installation documents; federal, state, and local government records; and aerial photographs. A site visit was conducted that included visual inspections of the property and surrounding properties, and employee interviews. Additionally, reasonably obtainable federal, state, and local government records for adjacent properties were reviewed. No sampling activities were associated with this EBS.

The information provided in this Final EBS Report is current as of July 1996; however, comments received from installation personnel and the regulatory community on the Draft and Draft Final EBS Reports have been incorporated, as appropriate.

The survey and parcelization of the Seneca Army Depot Activity identified 113 BRAC parcels based on the environmental condition of the property. Table 5-1a and Figure 5-1 present the BRAC parcels and corresponding categorizations. Of the approximately 10,634 acres identified for transfer or lease, 8,689.27 acres are designated as Categories 1 through 4, as shown in the BRAC Acreage Summary Table. The remaining 1,944.73 acres of BRAC property are designated as Categories 5 through 7. Additionally, 1,804.58 acres of the categorized parcels were designated qualified for asbestos-containing material (ACM), lead-based paint (LBP), polychlorinated biphenyls (PCBs), radon, unexploded ordnance (UXO) and/or ordnance fragments, and/or radionuclides. Table 5-1b and Figure 5-1 present the qualified parcels.

BRAC ACREAGE SUMMARY TABLE
SENECA ARMY DEPOT ACTIVITY, NEW YORK

ENVIRONMENTAL CONDITION CATEGORY NUMBER	TOTAL ACREAGE	ACREAGE MINUS QUALIFIED AREAS	TOTAL QUALIFIED ACREAGE	ACM-QUALIFIED ACREAGE	LBP-QUALIFIED ACREAGE	PCB-QUALIFIED ACREAGE	RADON-QUALIFIED ACREAGE	UXO-QUALIFIED ACREAGE	RADIONUCLIDE-QUALIFIED ACREAGE
1	8,554.94	8,465.94	89.00	35.06	36.56	0.02	0.32	55.72	7.34
2	111.25	90.74	20.51	17.22	20.40	0	0.06	0.09	0.08
3	21.33	3.20	18.13	17.65	18.04	0	0	2.1	0
4	1.75	1.32	0.43	0.14	0.43	0	0	0	0
5	207.05	117.60	89.45	0.26	0.07	0	0	0.61	89.19
6	1,724.83	137.86	1,586.97	2.69	6.58	0	0	1,244.72	341.39
7	12.85	12.76	0.09	0.09	0.09	0	0	0	0
Total	10,634.00	8,829.42	1,804.58	73.11	82.17	0.02	0.38	1,303.24	438.00

Note: Acreage figures are approximate; they have been calculated using AutoCad Release 12.

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LIST OF ACRONYMS

ACRONYM	DEFINITION
ACM	asbestos-containing material
AIRFA	American Indian Religions Freedom Act
AMSA	Area Maintenance Support Activity
AOC	Area of Concern
APE	Ammunition Peculiar Equipment
AST	aboveground storage tank
BCP	BRAC Cleanup Plan
BEC	BRAC Environmental Coordinator
bgs	below ground surface
BLM	Bureau of Land Management
BRAC	Base Realignment and Closure
BTEX	benzene, toluene, ethylbenzene, and xylene
CARC	chemical agent resisting coating
CCC	Civilian Conservation Corps
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
CPO	Civilian Personnel Office
DARCOM	U.S. Army Material Development and Readiness Command
DCE	dichloroethylene
DECAM	Directorate of Environmental Compliance and Management
DESCOM	U.S. Army Depot Systems Command
DOD	Department of Defense
DOH	New York State Department of Health
DPM	Defense Priority Model
DRMO	Defense Reutilization and Marketing Office

LIST OF ACRONYMS

DS-2	diethylenetriamine
EA	Environmental Assessment
EBS	Environmental Baseline Survey
EIS	Environmental Impact Statement
EM	electromagnetic
EPA	U.S. Environmental Protection Agency
EPIC	Environmental Photographic Interpretation Center
ERNS	Emergency Response Notification System
ESI	expanded site investigation
FFA	Federal Facility Agreement
FFCA	Federal Facility Compliance Act
FINDS	Facility Index System
FS	Feasibility Study
GIS	geographic information system
GPM	Geographic Project Manager
gpm	gallons per minute
GSA	General Services Administration
HRS	Hazard Ranking System
IAG	Interagency Agreement
IPE	industrial plant equipment
IRFNA	inhibited red fuming nitric acid
IRM	Integrated Resources Management
IRMP	Integrated Resource Management Plan
IRP	Installation Restoration Program
ISCP	Installation Spill Contingency Plan
JP8	jet petroleum grade 8
kg	kilogram
kg/mo	kilograms per month
LBP	lead-based paint

LIST OF ACRONYMS

LUST	leaking underground storage tank
MCL	maximum contaminant level
MEDDAC	U.S. Army Health Clinic
MEK	methyl ethyl ketone
mg/kg	milligrams per kilogram
mg/l	milligrams per liter
MP	Military Police
MSL	mean sea level
NAGPRA	Native American Graves Protection Act
n.d.	no date
NEPA	National Environmental Policy Act
NHPA	National Historic Preservation Act
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
NRC	U.S. Nuclear Regulatory Commission
NYDES	New York Discharge Elimination System
NYSDEC	New York State Department of Environmental Conservation
NYSEG	New York State Electrical Gas Corporation
O&M	Operations and Maintenance
OB/OD	Open Burning/Open Detonation
OMS	Organizational Maintenance Shop
OU	Operating Unit
OWS	oil/water separator
PA	Preliminary Assessment
PAH	polyaromatic hydrocarbons
PCB	polychlorinated biphenyl
PCE	perchloroethylene
pCi/L	picocuries per liter
PL	Public Law

LIST OF ACRONYMS

ppb	parts per billion
ppm	parts per million
PVC	polyvinyl chloride
QA/QC	Quality Assurance/Quality Control
RBC	Rotating Biological Contractors
RCRA	Resource Conservation and Recovery Act
RCRIS	Resource Conservation and Recovery Information System
RI	Remedial Investigation
RI/FS	Remedial Investigation/Feasibility Study
RMIS	Resource Management Information System
ROD	Record of Decision
RSC	Regional Support Command
SEDA	Seneca Army Depot Activity
SI	Site Inspection (or Investigation)
SIC	Standard Industrial Classification
SOD	Seneca Ordnance Depot
SPCCP	Spill Control and Countermeasure Plan
SPL	State Priorities List
SRN	N.Y. State Registration Number
STB	super topical bleach
STP	Sewage Treatment Plant
SVOC	semi-volatile organic compounds
SWMU	solid waste management unit
TAGM	Technical Assistance Guidance Memorandum (NYSDEC)
TCA	trichloroethane
TCE	trichloroethylene
TCL	Target Compound List
TMDE	Test, Measurement and Diagnostic Equipment
TPH	total petroleum hydrocarbon

LIST OF ACRONYMS

TSD	treatment, storage, and disposal
TSDF	treatment, storage, and disposal facility
TVH	total volatile hydrocarbon
USACE	U.S. Army Corps of Engineers
USAEC	U.S. Army Environmental Center
USAEHA	U.S. Army Environmental Hygiene Agency
USAMC	U.S. Army Materiel Command
USATA	U.S. Army Test, Measurement and Diagnostic Equipment Agency
USATHAMA	U.S. Army Toxic and Hazardous Materials Agency
USCG	U.S. Coast Guard
USFS	U.S. Forest Service
USGS	U.S. Geological Survey
UST	underground storage tank
UXO	unexploded ordnance
VOC	volatile organic compound

1.0 INTRODUCTION

The Environmental Baseline Survey (EBS) report for the Seneca Army Depot Activity was prepared by Woodward-Clyde Federal Services (Woodward-Clyde) for the U.S. Army Corps of Engineers (USACE) under Contract No. DACA67-95-D-1001, Delivery Order No. 0010. This section describes the purpose and scope of the work conducted in preparing the U.S. Army Base Realignment and Closure (BRAC) 95 EBS report.

The information provided in this Final EBS Report is current as of July 1996; however, comments received from installation personnel and the regulatory community have been incorporated, as appropriate. The comments and corresponding responses have been compiled in a Comment Response Package that is included as Appendix A.

1.1 BRAC PROGRAM OVERVIEW

Prior to the late 1980s, base closure was a time-consuming and inconsistent process. The Secretary of Defense, in cooperation with Congress, proposed a base closure law to create a process to close bases and bring base infrastructure in line with force structure. Public Law (PL) 100-526, enacted in 1988, created the Commission on Base Realignment and Closure. The law charged the Commission with recommending installations for closure or realignment based on an independent study of the domestic military base structure.

The closure process was refined in PL 101-510, in which Congress created the Defense Base Closure and Realignment Commission. The process identified installations based on eight criteria, including four military value criteria; savings and return-on-investment; and the economic and environmental impacts of closure. The Commission met in 1991, 1993, and 1995, and its recommendations are currently being implemented by the Department of Defense (DOD).

The BRAC environmental restoration program is similar to DOD's Installation Restoration Program (IRP), but it has been expanded to include non-Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) contamination substances that are not normally addressed under the IRP, including asbestos-containing material (ACM), lead-based

paint (LBP), polychlorinated biphenyls (PCBs), radon, unexploded ordnance (UXO) and/or ordnance fragments, radionuclides, and pesticides (biocides).

The Community Environmental Response Facilitation Act (CERFA) (PL 102-426) was enacted in 1992 and amends Section 120 of CERCLA. CERFA directs federal agencies to evaluate all base closure and realignment property to identify uncontaminated parcels and allows the transfer or lease of remediated parcels when the successful operation of an approved remedy has been demonstrated. The CERFA identification process considers hazardous substances and petroleum products.

1.2 PURPOSE AND SCOPE OF ENVIRONMENTAL BASELINE SURVEY

The BRAC 95 environmental restoration program for the Seneca Army Depot Activity was initiated by conducting an EBS. The EBS included the review of existing installation environmental documents; federal, state, and local government records; and aerial photographs. A site visit, which included visual inspections of site facilities and adjacent properties, and interviews with current and former employees were also conducted. Additionally, reasonably obtainable federal, state, and local government records for adjacent properties were reviewed. The EBS report describes the environmental condition of the property and will be used to support determination of the suitability to transfer or lease.

The purpose of the EBS is to classify discrete areas at the Seneca Army Depot Activity into one of seven standard environmental condition of property area types as defined by CERFA guidance and the DOD *BRAC Cleanup Plan (BCP) Guidebook* (DOD 1993). This is achieved by:

- Identifying, characterizing, and documenting the obviousness of the presence or likely presence of a release or threatened release of a hazardous substance or petroleum product associated with the historical and current use of the Seneca Army Depot Activity.

- Identifying, characterizing, and documenting the obviousness of the presence or likely presence of a release or threatened release of a hazardous substance or

petroleum product from an adjacent property that is likely to cause or contribute to contamination at the Seneca Army Depot Activity.

No sampling or analysis activities were conducted during this survey.

1.3 DEFINITIONS

The following definitions are used in this report:

- **BRAC property:** The installation real property that is subject to transfer or lease. Real property includes land and rights in land, ground improvements, utility distribution systems, pipes or pipelines, buildings, and other structures located on the property and affixed to the land.

- **Adjacent properties:** Those properties, on or off the installation, contiguous to or nearby the boundaries being surveyed that are likely to cause or contribute to contamination and affect the results of the EBS or the classification of the BRAC property into standard environmental condition of property area types.

- **BRAC parcel:** An area of BRAC property that can be segregated from its surrounding areas based on the environmental condition of the area.

- **Hazardous substances:** Substances listed in 40 Code of Federal Regulations (CFR) 302.4, CERCLA Hazardous Substance Table.

- **Petroleum:** Any petroleum product or its derivatives, including aviation fuel and motor oil.

- **Environmental condition of property area type:** Any of the seven standard environmental condition of property area types (categories) as defined in the CERFA guidance and the DOD *BCP Guidebook* (DOD 1993) and presented in Table 1-1.

Table 1-1
ENVIRONMENTAL CONDITION OF PROPERTY DEFINITIONS

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, includes areas 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.
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 3
Areas where storage, release, disposal, or migration of hazardous substances or petroleum products has occurred, but at concentrations that do not require a 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.

- **Suitable for transfer:** BRAC parcels that are designated as Category 1, 2, 3, or 4 are suitable for transfer or lease, subject to consideration of the non-CERCLA qualifiers.

- **Not suitable for transfer:** BRAC parcels that are currently designated as Category 5, 6, or 7 are not suitable for transfer.

- **Reserve enclave:** An area of the installation real property that will be retained by DOD. In the case of the Seneca Army Depot Activity, this property was characterized as part of the EBS.

- **Parcel labels:** Each BRAC parcel has been 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 consist of a designation describing the type of contamination or storage, if applicable. The following designations are used to 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

  Examples of this identification system follow:

  - 2(1) indicates that the second BRAC parcel is designated as a Category 1 parcel.

  - 12(3)HR indicates that the twelfth BRAC parcel is designated as Category 3 because of a documented hazardous substance release, but the concentrations do not warrant remediation.

- **Qualified parcels:** Areas containing or suspected of containing non-CERCLA contamination substances that may limit or preclude the transfer or lease of the property for unrestricted use. These parcels are delineated separately and labeled with the letter "Q" for "qualified." Qualified parcels overlay all environmental condition of the property categories (i.e., Categories 1 through 7). The qualified parcel labels are identified with the following designator, as applicable:

A	=	Asbestos-containing material (ACM)
L	=	Lead-based paint (LBP)
P	=	Polychlorinated biphenyls (PCBs)

R	=	Radon
X	=	Unexploded ordnance (UXO) and/or ordnance fragments
RD	=	Radionuclides

For all parcels, "(P)" is used to indicate that the presence of a contaminant is possible, but that data are unavailable for verification.

For example, the fifth BRAC parcel with the presence of ACM and the possible presence of LBP would be labeled 5Q-A/L(P).

1.4 LIMITATIONS

The conclusions presented in this EBS report are based on information that was reasonably available from the designated installation contacts and other public sources at the time the EBS was conducted. In addition, information obtained from interviews has been assumed to be correct and complete unless contradictory information was obtained through other sources.

A representative number of buildings was visually inspected during the EBS field investigation conducted from November 13 through December 12, 1995. A 100 percent visual inspection of all buildings was not practical because of the size of the installation and the number of buildings. Buildings were grouped by "like usage and design" (e.g., storage igloos, warehouses, housing units), and a random sample of approximately 10 percent of these buildings was visually inspected. Similarly, a 100 percent visual survey of all undeveloped areas could not be accomplished. Obvious disturbed areas, areas revealed to be suspect through aerial photograph analysis, and areas identified as being suspect during interviews were visually inspected, as well as a representative sampling of other areas. Visual inspections were not conducted in areas that posed a health and safety risk to the field team (e.g., areas of reported ammunition disposal).

1.5 GENERAL GEOGRAPHIC AND ENVIRONMENTAL SETTINGS

1.5.1 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 reside in one of five villages — Interlaken, Lodi, Ovid, Waterloo, and Seneca Falls — with the latter two villages having the largest population. The towns nearest to the Seneca Army Depot Activity — Varick, Romulus, Ovid, and Covert — have populations of approximately 2,200 people each (STV/Lyon 1990).

1.5.2 Physical Setting

The Seneca Army Depot Activity, an active military facility, 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 forming 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 map of the installation is presented in Figure 1-1.

1.5.3 Climatology

The area around the Seneca Army Depot Activity is characterized as cool, with an average January temperature of 23°F and a July average temperature of 69°F. During the summer, and parts of the spring and fall, wide temperature differences between daytime highs and nighttime lows occur. Precipitation is fairly evenly distributed throughout the year, averaging about three inches a month. A significant amount of winter precipitation is provided by nearby 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 during winter months when winds are sufficient to cause blowing and drifting snow (Engineering Science 1994c).

1.5.4 Hydrology

Eight drainages draw the surface water from the Seneca Army Depot Activity in two general directions. Ditches and streams carry the surface water from the southern portion of the installation into Indian and Silver Creeks, which flow into Seneca Lake just south of the airfield. Kendaia Creek, which flows into Seneca Lake near the Lake Housing Area, drains the

administration and central areas of the depot. Reeder Creek, which also flows into Seneca Lake, drains the northeastern and north-central portions of the Seneca Army Depot Activity. Kendig Creek drains the northeastern portion of the depot, including the area known as the Duck Ponds. This creek flows north into the Cayuga-Seneca Canal, which flows to Cayuga Lake (U.S. Army Toxic and Hazardous Materials Agency [USATHMA] 1980; Engineering Science 1994c).

1.5.5 Geology and Soils

Underlying the general area is a broad north-to-south trending series of rock terraces mantled by glacial till. The region is part of the Appalachian Plateau and is underlain by a tectonically undisturbed sequence of Paleozoic shales, sandstones, conglomerates, limestones, and dolostones. The vicinity of the Seneca Army Depot Activity is characterized by Devonian rocks of the Hamilton group that are monoclinally folded and dip gently to the south. No evidence of faulting or folding is present. A 600- to 1,500-foot thick sequence of limestones, calcareous shales, siltstones, and sandstones characterize the Hamilton group (Parsons Engineering Science 1995a).

Four formations have been identified within the Hamilton group and, from oldest to youngest, they are: the Marcellus, Skaneateles, Ludlowville, and Moscow Formations. Moscow Formation rocks are generally located under the eastern portion of the Seneca Army Depot Activity, while the western portion is located in the older Ludlowville Formation. Both of these formations are typified by gray, calcareous shales and mudstones and thin limestones with numerous horizons of invertebrate fossils. The Skaneateles and Marcellus Formations are black and dark gray fossiliferous shales (Parsons Engineering Science 1995a).

Wisconsin event glacial till deposits overlay the Hamilton Formation shales. The Seneca Army Depot Activity is located on the western edge of a large glacial till plain. Although locally variable, the till is characterized by horizons of unsorted silt, clay, sand, and minor gravel. The thickness of these till deposits is variable across the Seneca Army Depot Activity and generally ranges from 1 to 15 feet, although in some locations the till is more than 30 feet thick. The till is thin, and bedrock is exposed or within three feet of the surface in some locations of the central and eastern portions of the Seneca Army Depot Activity (Parsons Engineering Science 1995a).

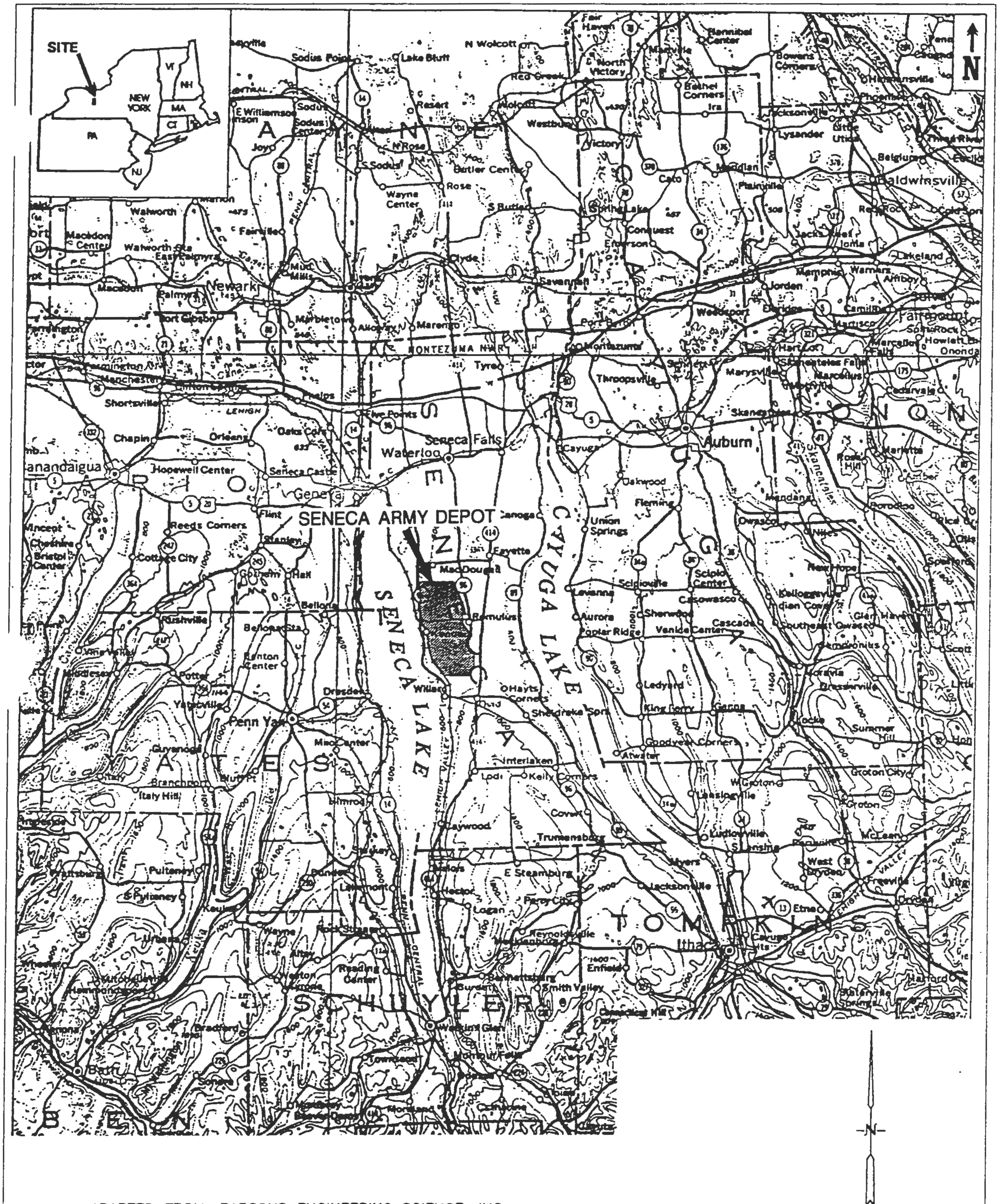
Soil associations found on the Seneca Army Depot Activity include the Darien-Angola Association that covers the main part of the installation and the Honeoye-Lima Association that is found mainly at the Lake Housing Area. The Darien-Angola Association is characterized by deep to moderately deep, somewhat 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).

1.5.6 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 five 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 five miles south of the Seneca Army Depot Activity, 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 the Seneca Army Depot Activity and its primary water supply is from a well located about 1.5 miles northeast of the village center. Two wells located about 1.5 miles southwest of the village are used for backup (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 being intermediate (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 there is a groundwater divide about halfway between Lake Cayuga and Seneca Lake. Seneca Army Depot Activity is located on the western slope of this divide, and groundwater would, therefore, be expected to flow toward Seneca Lake to the west (Parsons Engineering Science 1995a).



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

SCALE: 1" =~8 MILES

Project No. CE9518SD	Seneca Army Depot, New York BRAC 95	LOCATION MAP	Figure 1–1
Woodward-Clyde			

2.0 SOURCES OF INFORMATION

The EBS investigation meets the requirements of CERCLA (1980) Section 120(h), as amended by CERFA and implemented by DOD. This section describes the sources of information that were used to support the determination of the environmental condition of the Seneca Army Depot Activity property.

2.1 INSTALLATION/BRAC PROPERTY

Relevant information and documents that were used to conduct the Seneca Army Depot Activity EBS are identified in the following sections. This information includes environmental studies; federal, state, and local regulatory records; interviews of installation personnel; and visual inspections within an approximately one-mile distance from the installation.

2.1.1 Existing Documents

Existing documents were reviewed to evaluate the environmental conditions at the Seneca Army Depot Activity. The 23 documents presented in Table 2-1 are the primary documents used in the preparation of this EBS report. Each document has a document identification number, which is referenced in the CERFA map tables (Table 5-1a and 5-1b) in Section Five. These documents are the primary source of evidence for the resulting environmental condition of property area categorization. A complete list of references is included in Section Six.

Table 2-1
PRIMARY DOCUMENTS

DOCUMENT TITLE	AUTHOR	DATE	EBS SOURCE OF EVIDENCE DOCUMENT IDENTIFICATION NUMBER
Solid Waste Management Classification Study, Seneca Army Depot, Romulus, New York	Engineering Science, Inc.	June 1994	1
Installation Assessment of Seneca Army Depot Activity, Report No. 157	U.S. Army Toxic and Hazardous Materials Agency	January 1980	2

Table 2-1
(Continued)

DOCUMENT TITLE	AUTHOR	DATE	EBS SOURCE OF EVIDENCE DOCUMENT IDENTIFICATION NUMBER
Update of the Initial Installation Assessment of Seneca Army Depot, New York (Draft Final)	Environmental Science and Engineering, Inc.	March 1988	3
USATHAMA Update of the Initial Installation Assessment of Seneca Army Depot, New York (Final)	Environmental Science and Engineering, Inc.	August 1988	4
Community Relations Plan, Seneca Army Depot, Romulus, New York (Draft)	U.S. Army Toxic and Hazardous Materials Agency	July 1991	5
Generic Installation Remedial Investigation/Feasibility Study (RI/FS) Work Plan, Seneca Army Depot Activity, Romulus, New York	Parsons Engineering Science, Inc.	August 1995	6
Air Pollution Emission Statement for Seneca Army Depot Activity, New York (Final Report)	U.S. Army Environmental Center	September 1994	7
Spill Prevention Control and Countermeasure Plan Including Installation Spill Contingency Plan for Seneca Army Depot, Romulus, New York	Campbell Design Group	March 1993	8
Phase II Analytical/Environmental Assessment Report	Lyon Associates, Inc.	October 1981	9
Phase I Analysis of Existing Facilities/Environmental Assessment Report	Lyon Associates, Inc.	July 1984	10
Seneca Army Depot Activity Base Realignment and Closure 1995 Implementation Plan	Headquarters, Seneca Army Depot Activity	July 1995	11
Investigation and Evaluation of Underground Storage Tanks	U.S. Army Corps of Engineers	September 1989	12
Future Development Master Plan for Seneca Army Depot, Romulus, New York	STV/Lyon Associates	October 1990	13
Army Relative Risk Site Evaluation Scoring, Defense Site Environmental Restoration Tracking System	Unknown	December 1995	14

Table 2-1
(Continued)

DOCUMENT TITLE	AUTHOR	DATE	EBS SOURCE OF EVIDENCE DOCUMENT IDENTIFICATION NUMBER
Radioactive Materials Decommissioning Survey, Seneca Army Depot Activity	Radiological Assistance Team, Seneca Army Depot Activity	July 1993	15
Expanded Site Inspection Report, Seven Areas of Concern, Seneca Army Depot, Romulus, New York	Engineering Science, Inc.	May 1995	16
Expanded Site Inspection Report, Three Areas of Concern, Seneca Army Depot, Romulus, New York	Engineering Science, Inc.	June 1995	17
Expanded Site Inspection Report, Eight Moderately Low Priority Areas of Concern, Seneca Army Depot, Romulus, New York	Engineering Science, Inc.	April 1995	18
Expanded Site Inspection Report, Seven Low Priority Areas of Concern, Seneca Army Depot, Romulus, New York	Engineering Science, Inc.	April 1995	19
Spills List, January 1991 to November 7, 1995	Seneca Army Depot Activity	November 1995	20
Registered Petroleum Storage Tanks	Seneca Army Depot Activity	November 1996	21
Inventory of Military Real Property as of October 19, 1995	Seneca Army Depot Activity	October 1995	22
Asbestos Management Plan	Seneca Army Depot Activity	Unknown	23

Additional documents collected fall into these general categories:

- Open burning grounds investigations
- Ash landfill investigations
- Groundwater sampling results (various locations)
- Non-CERCLA issues

2.1.2 Federal, State, and Local Government Regulatory Records

A search of federal, state, and local records pertaining to the Seneca Army Depot Activity and a search of reasonably obtainable records of adjacent (within a two-mile radius) properties was performed. In addition, a search of the environmental databases listed in Table 2-2 was conducted.

Table 2-2
ENVIRONMENTAL DATABASES

DATABASE	CONTENTS
National Priorities List (NPL)	The NPL lists Superfund sites, which are sites that are determined by the U.S. Environmental Protection Agency (EPA) to pose an immediate public health hazard requiring immediate cleanup response.
Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)	The EPA CERCLIS database contains information on CERCLA sites, and is updated periodically.
Emergency Response Notification System (ERNS)	EPA maintains ERNS, which is a repository for information on hazardous spills nationwide. This information is based on reports filed by local agencies (e.g., municipal fire, police, or environmental departments), county agencies, state entities, and federal agencies (e.g., U.S. Coast Guard, National Response Center, and EPA).
Resource Conservation and Recovery Act (RCRA) Facilities Database	Facilities listed in this EPA database are RCRA facilities for which a Corrective Action has been issued to address waste handling problems.
Resource Conservation and Recovery Information System (RCRIS)	This database contains information on all RCRA facilities. The facility types include: large quantity generators; small quantity generators; conditionally exempt facilities; transporter facilities; and treatment, storage, and disposal (TSD) facilities. Large quantity generators generate over 1,000 kilograms (kg) hazardous waste/month, or greater than 1 kg acutely hazardous waste as defined by RCRA. Small quantity generators generate more than 100 and less than 1,000 kg of hazardous waste during any calendar month.
Facility Index System (FINDS)	EPA references any facility or event that has been issued an EPA identification number; the EPA program office that issued the identification number is also listed. These listings do not necessarily reflect releases.
State Priorities List	This state of New York database contains sites considered to be actually or potentially contaminated and presenting a possible threat to human health and the environment.

Table 2-2
(Continued)

DATABASE	CONTENTS
New York State Hazardous Waste Sites and Landfills Database	This state of New York database contains state-designated hazardous waste cleanup sites and landfills within a one-mile radius of the Seneca Army Depot Activity.
New York State Registered Underground Storage Tanks (USTs) Database	This database contains information and all known and registered USTs in the state of New York, and is updated periodically.
New York State Leaking Underground Storage Tanks (LUSTs) Database	This database contains information on USTs reported to the state of New York as leaking.

The complete database search report, including a map indicating locations of sites identified below, is provided in Appendix B. These searches produced information related to NPL status, spills, LUSTs, cleanup records, RCRA, CERCLIS, and air emissions. The database search has identified the following information:

- The Seneca Army Depot Activity is a federal Superfund site (NPL).
- It is listed on CERCLIS and EPA FINDS.
- It has had RCRA violations and corrective actions imposed.
- It has reported spill incidents and LUSTs.
- It is on the state cleanup list.
- It operates hazardous waste treatment, storage and disposal facilities.
- It is a hazardous waste generator.
- It has a permit to discharge waste water.
- It produces regulated air emissions.
- It operates a public drinking water system.
- It utilizes aboveground and underground storage tanks.

The database search revealed that the spills listed in Appendix B have occurred at the Seneca Army Depot Activity and have been reported to the New York State Department of Environmental Conservation (NYSDEC). Table 2-3 (following Section Two) presents spill information based on the database search and installation records. It represents the most up-to-date information available on historic spills at the Seneca Army Depot Activity.

The only spill reported from the ERNS database search was a 3,000-gallon fuel oil spill that occurred on October 5, 1987.

The database search revealed that the LUSTs listed in Appendix B are located at the Seneca Army Depot Activity and have been reported to NYSDEC. Table 2-4 (following Section Two) presents LUST information based on the database search and installation records. It represents the most up-to-date list of LUSTs currently or formerly at the Seneca Army Depot Activity.

State cleanup records indicate that a remedial action is pending at an open dump site at the Seneca Army Depot Activity (Ash Landfill Operating Unit [OU]). The actual status of this OU, however, is that the contaminated soils have been remediated as of June 1995 and the groundwater mitigation control remedy has not been selected.

The database search revealed that the Seneca Army Depot Activity is listed as a RCRA large quantity generator of wastes and as a storage and treatment facility (NY0213820830). This database also shows the LORAN-C facility as a large quantity generator of wastes (NY6690331404). The RCRA compliance history for the Seneca Army Depot Activity and LORAN-C shows no Class One violations. However, there are outstanding compliance issues related to closure and post-closure requirements for the RCRA TSD facilities.

CERCLIS records indicate that five operable units are currently under remedial investigation.

The database search also indicated that the Seneca Army Depot Activity is in compliance with air emissions permit requirements.

2.1.2.1 Permits and Permit Applications

The following permit and permit information is maintained by the Seneca Army Depot Activity:

- Information concerning USTs and aboveground storage tanks (ASTs) was identified in a list provided by the Seneca Army Depot Activity and is included as Appendix C. The information in this table includes the building location of the tank; the New York State registration number (SRN); the EPA registration number, if registered; capacity in gallons; product stored; type (AST or UST); location (inside or outside); year installed; and service status.
- National Pollution Discharge Elimination System (NPDES) Permit NY0021296 covers both operational sewage treatment plants located at Buildings 4 and 715 (USATHMA 1980).
- The Seneca Army Depot Activity was approved for Part A, Interim Status as a hazardous waste treatment, storage, and disposal facility (TSDF) in 1980. Part B Final Status TSDF was applied for in November 1986 (STV/Lyon Associates 1990).
- DA Authorization A31-60-01 for storage of radioactive calibration and check sources for uranium-235, americium-241, and krypton-85 stored in Buildings 321 and 806 (USATHMA 1980).
- Memorandum regarding authorization for open pit detonation, SDSSE-HE (200-1c) (Absolom n.d.).
- Letter regarding discharge criteria for ash landfill (NYSDEC 1995a).
- Permit application for Part 60 SWM Facility for landspreading sewage treatment plant sludge (NYSDEC 1993c).
- Part 373 permit application for hazardous waste management facilities (Seneca Army Deport Activity 1991).

- Air permits that cover 22 registered point sources (13 active, 9 inactive) at the Seneca Army Depot Activity are listed in Table 2-5 (Seneca Army Depot Activity, List of Air Permits).

Table 2-5
AIR PERMITS

PERMIT NUMBER	FACILITY	EXPIRATION DATE	TYPE	STATUS
00113	113	4/1/97	Ventilation	Active
00117	117	4/1/97	Ventilation	Active
01172	117	4/1/97	Ventilation	Inactive
00121	121	4/15/98	Smoke	Active
00319	319	4/15/98	Smoke	Active
00323	323	4/1/97	Ventilation	Active
00367	367	Pending renewal	Smoke	Active
00612	612	4/1/97	Ventilation	Active
0709B	709	4/1/97	Smoke	Inactive
0801B	801	4/1/97	Smoke	Active
00813	813	Unknown	Ventilation	Active
02073	2073	Pending renewal	Ventilation	Active
03171	317	4/1/97	Ventilation	Active
03172	317	4/1/97	Ventilation	Active
3181	318	4/1/97	Ventilation	Inactive
03601	360	4/1/97	Ventilation	Active
03602	360	4/1/97	Ventilation	Inactive
03603	360	4/1/97	Ventilation	Inactive
03604	360	4/1/97	Ventilation	Inactive
07181	718	4/1/97	Smoke	Inactive
07182	718	4/1/97	Smoke	Inactive
07183	718	4/1/97	Smoke	Inactive

2.1.2.2 Inspection Reports and Enforcement Actions

The following inspection reports were found on file at the Seneca Army Depot Activity:

- Federal Facility Agreement Under CERCLA Section 120, between EPA Region II, the Department of the Army, and NYSDEC, January 1993 (EPA, Region II et al. 1993)

- Environmental Compliance Assessment System Review for the Seneca Army Depot Activity, U.S. Army Materiel Command (USAMC), April 11-15, 1994 (USAMC 1994)

- Tank Test Results for 1992, 1994, and 1995, Environmental Products and Services (Environmental Products and Services, Inc. n.d.)

- Investigation and Evaluation of Underground Storage Tanks, USACE, Huntsville Division, September 1989 (U.S. Army Corps of Engineers 1989)

- Radioactive Materials Decommissioning Survey, Radiological Assistance Team (Radiological Assistance Team, Seneca Army Depot Activity 1993).

- Innovative Wetlands Wastewater Treatment Project Sampling and Analysis Report, Lozier Laboratories, Inc. (Lozier 1982)

- Memorandum Regarding LBP testing in Buildings 211-A and 234-D and the Lake Housing Area (Seneca Army Depot Activity 1993)

- Pesticide Monitoring Survey evaluating pesticide distribution in selected components of the environment at Seneca Army Depot Activity by the U.S. Army Environmental Hygiene Agency (USAEHA) (USAEHA n.d.)

- Inspection report of registered pesticide applicator by the NYSDEC (NYSDEC 1991)

- NYSDEC Annual Inspection Reports from March and October 1993, and October 1994 (NYSDEC 1993a, 1993b, 1994b)

- Inspection report on 60,000-gallon fuel oil tank (SRN187) from the National Association of Corrosion Engineers (National Association of Corrosion Engineers 1994)

- A water systems operation report from the NYSDEC (NYSDEC 1995b)

2.1.3 Aerial Photographs

The Environmental Photographic Interpretation Center (EPIC) conducted an imagery analysis of aerial photographs of the Seneca Army Depot (EPIC n.d.). The year of the analysis is not stated in the report but the photographs used dated from 1954, 1963, 1969, and 1981. This analysis found two areas that warranted in-depth discussion. Area A is a large demolition ground (Open Burning/Open Demolition Grounds), and Area B is reported to cover most of the potentially hazardous activities and sites at the depot. Area B is located in the east-central part of the depot and it includes the South Admin area, the IPE area, and the former popping plant (Building S-311) and surrounding area.

Aerial photograph analysis was conducted as part of the EBS field investigation for the Seneca Army Depot. A member of the EBS field team was given access to the filing room in the Engineering Office (Building 123). All available historical aerial photographs were reviewed for evidence of past activities that may have involved excavations, dumping areas, or any unexplained disturbance on the ground. The results of the aerial photograph review were then compared to the results of the records review, interviews, visual inspections, and the analysis of the rumored sites.

2.1.4 Existing Property Maps

Existing property maps were utilized to assist in identifying past usage and practices at the Seneca Army Depot Activity that may have contributed to environmental degradation or concerns. Property maps were also used to determine current physical conditions of the installation and to focus on areas where there may have been concerns regarding past or current waste management practices. A digital base map was provided by the Seneca Army Depot

Activity Environmental Office and was used in preparing the CERFA map included with this report.

2.1.5 Interviews

To facilitate the review of the installation's environmental history and practices, interviews of current and former employees involved in operations were conducted. To ensure the interview process was thorough, standardized interview forms were created and utilized. A sample interview form is presented in Appendix D.

2.1.6 Visual Inspections

As required by CERCLA 120(h)(4)(A)(iv) and (v) and DOD guidance, a visual inspection of the real property and properties immediately adjacent to the property was conducted and is addressed in this EBS report. On-site visual inspections of the installation property and adjacent properties were conducted by the EBS field team during the period of November 13 to December 12, 1995. Visual inspections conducted by the field team included grounds, buildings, structures, and equipment. Inspection methods included visual inspections from automobiles and surveys conducted during site walks. To ensure the visual inspections were thorough, standardized visual inspection forms were created and utilized. A sample visual inspection form is presented in Appendix E.

The visual inspection of every building and all undeveloped areas was not possible during the site visit. In areas where there were collections of like buildings with the same use (e.g., storage igloos), a random 10 percent sample was inspected. Areas of possible contamination or areas that were reported in interviews as being suspect were inspected unless doing so posed a health and safety risk to the surveyors. Table 2-6 lists the facilities that were visually inspected. Numerous open areas without buildings were also inspected but are not listed in the table.

Table 2-6
VISUAL INSPECTIONS CONDUCTED AT THE SENECA ARMY DEPOT ACTIVITY

AREA	INSTALLATION FACILITIES
Lake Housing Area	2404, 2408, 2409, 2410, 2411, 2441, 2502, 2509, 2518, S2415,S2423, S2453, S2456, S2470, S2475, S2485
South Depot Area	103, 113, 116, 117, 118, 124, 127, 128, 131, 133, 135, 138, 146
North Depot Area	708, 717, 718, 719, 721, 729, 742, 744, 747
Elliot Acres Housing Area	212, 223, 225, 228, 234
Coast Guard Area	LORAN C and grounds
Special Weapons Area	803, 810, 813, 815, 816, 819
Airfield Area	Range, Sheet Range, 2301, 2302, 2303, 2304, 2305, 2306, 2308, 2310, 2314, 2315
Main Depot Area	102, 301, 304, 516, 606, 1593, 2204, S102, T-307
Main Depot Storage Igloos	A213, A306, A402, A508, A607, A610, A703, A806, A903, A907, A1003, A1101, B509, B601, B703, B801, B811, B902, C107, C203, C309, C402, C510, C603, C705, C801, C910, D111, D206, D212, D310, D404, D405, D507, D611, D612, D704, D811, E107, E203, E313, E410, E508, E704, E708, E811, E805
Warehouse Area	Tank Farm, 323, 324, 333, 346, 356, 374
IPE Area	DRMO Yard, 312, 317, 319, 320, 321, 360, 372

Visual inspections of adjacent properties were performed primarily by automobile surveys and observations from advantageous points. This was supplemented with occasional pedestrian surveys of areas that presented a ready access. The Seneca Army Depot Activity is mainly surrounded by agricultural land. The town of Willard is situated about one mile southeast of the southeast corner of the depot, and Romulus is located adjacent to the eastern border of the installation near its center.

2.1.7 Title Documents

CERCLA 120(h)(4)(A)(ii) and DOD guidance require a review of the "recorded chain of title documents regarding the real property." For the EBS, tract maps and title and transfer documents were reviewed to identify the prior property owners at the time of transfer to the U.S. Army. The purpose of this review was to collect additional information concerning the prior use and environmental condition of the property at the time of transfer to the U.S. Army. Previous ownership and the dates of transfer are presented in Appendix F. Copies of the deeds relating to these land transfers are on file at Woodward-Clyde and are available upon request.

3.0 PROPERTY CHARACTERIZATION

This section presents an overview of past and current operations at the Seneca Army Depot Activity and a discussion of potential environmental contamination associated with these operations. It provides a description of the installation facilities and addresses past and current waste management practices at the Seneca Army Depot Activity.

3.1 PROPERTY OVERVIEW

Historic land uses of the Seneca Army Depot Activity have been documented in reports prepared by the USACE and its subcontractors. Information was collected through record searches, interviews, and map and aerial photographs reviews. In addition, this section contains a general description of each facility within the installation as described through existing documentation or site visits.

3.2 INSTALLATION HISTORY AND MISSION

The Seneca Army Depot Activity, a military installation in upstate New York, was originally established as the Seneca Ordnance Depot (SOD) in July 1941. The facility originally covered about 10,600 acres of land 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 to the U.S. Army Supply and Maintenance Command from the Chief of Ordnance 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 the Seneca Army Depot Activity.

Employment of civilians reached a peak at 2,511 personnel 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 Seneca Army Depot, supplemented by 803 to 1,821 civilian personnel. In the

1970s, civilian employment averaged about 700. As of September 30, 1995, the Seneca Army Depot Activity employed one military and 236 civilian personnel.

At this time, the Seneca Army Depot Activity encompasses 10,634 acres, and closure is the primary mission. Other missions concurrently being carried out include:

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

The following organizations have been identified as presently being 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 (scheduled for shutdown September 1996)

3.3 DESCRIPTION OF FACILITIES

The Seneca Army Depot Activity has 927 structures, including 35 maintenance shops, a machine shop, and other types of facilities that relate to its overall infrastructure and specific missions. Infrastructure-related facilities include 139 miles of roads, 42 miles of railroad track, two sewage treatment plants, a water treatment plant, an uncontaminated trash incinerator, soldier support facilities, and an airfield with a 7,000-foot runway and refueling services of up to 43,300 gallons of jet petroleum grade 8 (JP8). Figure 3-1 presents the general layout of the Seneca Army Depot Activity.

Soldier support facilities include:

- Modern 450-person barracks complex
- 180 sets of family quarters
- Dining facility
- Child care center
- Education center
- Gymnasium
- Racquetball courts
- Bowling alley
- Swimming pool
- Athletic fields
- PX/Commissary
- PX gas station
- Auto craft shop
- Ceramics shop
- Woodshop
- Chapel
- Theater
- Army travel camp
- Recreation area at the lake

Facilities related to conventional munitions storage include:

- 519 earth-covered igloo magazines
- 8 standard magazines
- 2 inert warehouses
- 2 small arms warehouses
- 3 modern maintenance facilities

Demilitarization facilities include:

- Ammunition Peculiar Equipment (APE) 1236 Deactivation Furnace equipped with EPA-approved, emission control system
- Modern, fully equipped facilities for performing disassembly demilitarization of conventional ammunition
- On-site demolition grounds for demilitarization of ammunition through controlled open detonation and burning

General supply, hazardous materials, and industrial plant equipment (IPE) storage facilities include:

- 19 general purpose warehouses
- 6 humidity-controlled warehouses
- 1 conforming hazardous materials warehouse
- 6 improved outside storage sites
- 2 storage sheds

Facilities related to U.S. Army Reserve and National Guard training include:

- Small arms firing range
- Grenade range
- Bivouac site
- Tactical and engineer training areas
- Inspection, maintenance, and demilitarization facilities

Other on-site assets include:

- Machine shop
- Woodshop
- Air-assisted "airless" Chemical Agent Resistant Coating (CARC)-capable paint booth
- Test, Measurement, and Diagnostic Equipment (TMDE) calibration laboratory
- Prototype fabrication facility

3.3.1 Mission Related Activities

For the purposes of the EBS field survey and this report, the depot has been divided into six geographic areas.

- Main Depot Area
- North Depot and Special Weapons Area
- South Depot Area
- Airfield Area
- Lake Housing Area
- Coast Guard Area

These areas are based on those presented in a master plan developed for the depot in 1990 (STV/Lyon Associates 1990). These areas are related to functional history and land use at the depot and are used here to facilitate the ultimate goal of BRAC, which is efficient transfer and reuse. In the following sections, the different types of activities that occur within these areas are discussed, and various, less formally recognized, subareas are described. The main geographic areas and the subareas are depicted in Figure 3-1. The data appearing in the tables accompanying this section were derived from a real property inventory on file at the installation (Seneca Army Depot Activity 1995b).

Seventy-two areas at the installation are known solid waste management units (SWMUs). They have been previously classified in order of cleanup priority. These SWMUs have all been given numerical designations with the prefix SEAD- (e.g., SEAD-1, SEAD-2, etc.).

3.3.1.1 Main Depot Area

The Main Depot Area is the largest geographic area at the depot. This area includes facilities that are used for the storage of munitions and general purpose supplies, munitions disposal, industrial activities, administration/support, and training. Munitions and general purpose storage facilities cover approximately 6,681 acres of the Main Depot Area. The Seneca Army Depot Activity has been used for storage and disposal of military explosives since its inception in 1941. Prior to BRAC, its primary mission was the receipt, storage, maintenance, and supply of munitions. Another activity of importance has been the storage of general purpose materials and equipment. This activity has included the storage of both hazardous and non-hazardous materials. The majority of the facilities associated with this activity are concentrated in the Warehouse Subarea. In general, industrial activities at the depot have included restoration and renovation of munitions, IPE renovation, and mission support activities. Facilities related to

these activities are found throughout the Main Depot Area. Several facilities related to the administration/support of mission activities are found at various locations within the Main Depot Area. Finally, several areas of the Main Depot Area have been used for military training activities.

Munitions Storage. The principal area used for the storage of munitions is centrally located within the Main Depot Area. This area is also known as the Ammunition Storage Area or "Ammo" Area. Facilities in this area that are used for the storage of munitions are listed in Table 3-1.

Table 3-1
MAIN DEPOT AREA
MUNITIONS STORAGE

FACILITY NO.	FUNCTION	YEAR BUILT	SQ FT
9	General Non-Hazardous Storage Shed	1942	824
12	General Non-Hazardous Storage Shed	1942	824
2086	Administration General Purpose/Yard Office	1942	762
2117	Storage of Ammunition	1942	11,296
2118	Storage of Ammunition	1942	11,296
2119	Storage of Ammunition	1942	11,296
2120	Storage of Ammunition	1942	11,296
2121	Storage of Ammunition	1942	11,296
2122	Storage of Ammunition	1942	11,296
2123	Storage of Ammunition	1942	11,296
2124	Storage of Ammunition	1942	11,296
2126	Ammunition Warehouse	1942	824
2129	Ammunition Warehouse	1942	824
2132	Igloo Storage Depot	1992	100
2133	Igloo Storage Depot	1992	100
2200	Ammunition Warehouse	1942	824
2202	Loading Platform with Shed	1942	144
2203	Loading Platform	1942	100
2204	Ammunition Warehouse	1942	824
A0702-711	Igloo Storage Depot	1942	1,816
A0801-811	Igloo Storage Depot	1942	1,816
A0901-910	Igloo Storage Depot	1942	1,816
A1001-A1012	Igloo Storage Depot	1942	1,816
A1101-A1111	Igloo Storage Depot	1942	1,816
B0101-B0112	Igloo Storage Depot	1942	1,816
B0201-B0211	Igloo Storage Depot	1942	1,816

Table 3-1
(Continued)

FACILITY NO.	FUNCTION	YEAR BUILT	SQ FT
B0301-B0311	Igloo Storage Depot	1942	1,816
B0401-B0411	Igloo Storage Depot	1942	1,816
B0501-B0511	Igloo Storage Depot	1942	1,816
B0601-B0611	Igloo Storage Depot	1942	1,816
B0701-B0711	Igloo Storage Depot	1942	1,816
B0801-B0811	Igloo Storage Depot	1942	1,816
B0901-B0911	Igloo Storage Depot	1942	1,816
C0101-C0111	Igloo Storage Depot	1942	1,816
C0201-C0211	Igloo Storage Depot	1942	1,816
C0301-C0311	Igloo Storage Depot	1942	1,816
C0401-C0412	Igloo Storage Depot	1942	1,816
C0501-C0513	Igloo Storage Depot	1942	1,816
C0601-C0611	Igloo Storage Depot	1942	1,816
C0701-C0709	Igloo Storage Depot	1942	1,816
C0801-C0809	Igloo Storage Depot	1942	1,816
C0901-C0913	Igloo Storage Depot	1942	1,816
D0101-D0113	Igloo Storage Depot	1942	1,816
D0201-D0212	Igloo Storage Depot	1942	1,816
D0301-D0313	Igloo Storage Depot	1942	1,816
D0401-D013	Igloo Storage Depot	1942	1,816
D0501-D0513	Igloo Storage Depot	1942	1,816
D0601-D0612	Igloo Storage Depot	1942	1,816
D0701-D0712	Igloo Storage Depot	1942	1,816
D0801-D0812	Igloo Storage Depot	1942	1,816
E0101-E0114	Igloo Storage Depot	1942	1,816
E0201-E0214	Igloo Storage Depot	1942	1,816
E0301-E0313	Igloo Storage Depot	1942	1,816
E0401-E0413	Igloo Storage Depot	1942	1,816
E0501-E0513	Igloo Storage Depot	1942	1,816
E0601-E0611	Igloo Storage Depot	1942	1,816
E0701-E0711	Igloo Storage Depot	1942	1,816
E0801-E0811	Igloo Storage Depot (SEAD-48)	1942	1,816

A portion of the Main Depot Area known as the "50 Area" is located west of Seneca Road and south of Indian Creek Road. This undeveloped area was reportedly used for dumping and is discussed further in Sections Four and Five.

General Purpose Storage Activities. General purpose storage facilities are used for the storage of hazardous and non-hazardous materials, and the facilities relating to these activities are listed in Table 3-2.

Table 3-2
MAIN DEPOT AREA
GENERAL PURPOSE STORAGE FACILITIES

FACILITY NO.	FUNCTION	DATE BUILT	SQ FT
301	PCB Transformer Storage Facility (SEAD-2)	1942	824
304	General Non-Hazardous Storage	1942	824
307	Hazardous Waste Container Storage Facility (SEAD-1)	1981	2000
323	Hazardous Storage/General Purpose Installation	1942	69,500
324	Hazardous Storage General Purpose Depot/Standard Warehouse	1942	824
325	Non-Hazardous Storage General Purpose Depot/Standard Warehouse	1942	90,000
326	Hazardous Storage General Purpose Depot/Standard Warehouse	1942	90,000
327	Hazardous Storage General Purpose Depot/Standard Warehouse	1942	90,000
328	Non-Hazardous Storage Warehouse	1942	90,000
329	Non-Hazardous Storage General Purpose Depot/Standard Warehouse	1942	90,000
330	Hazardous Storage Warehouse	1943	90,000
331	Hazardous Storage General Purpose Depot/Storage Warehouse	1942	90,000
332	Non-Hazardous Storage General Purpose Depot/Standard Warehouse	1942	90,000
333	Hazardous Storage General Purpose Depot/Storage Warehouse	1942	90,000
339	Controlled Humidity Warehouse	1942	90,000
340	Non-Hazardous Storage General Purpose Depot/Standard Warehouse	1942	90,000
341	Controlled Humidity Warehouse	1942	90,000
342	Controlled Humidity Warehouse	1942	90,000
343	Hazardous Storage General Purpose Depot/Standard Warehouse	1942	90,000
345	Controlled Humidity Warehouse	1942	90,000
346	Controlled Humidity Warehouse	1942	90,000
347	Non-Hazardous Storage General Purpose Depot/Standard Warehouse	1942	90,000
348	Non-Hazardous Storage General Purpose Depot/Standard Warehouse	1942	90,000
349	Controlled Humidity Warehouse	1942	90,000
350	Non-Hazardous Storage General Purpose Depot/Standard Warehouse	1942	90,000
356	Hazardous Storage General Purpose Depot/Standard Warehouse (SEAD-49)	1953	203,145

Table 3-2
(Continued)

FACILITY NO.	FUNCTION	DATE BUILT	SQ FT
357	Hazardous Storage General Purpose Depot/Standard Warehouse (SEAD-55)	1953	203,145
369/607	Non-Hazardous Store House	1956	432
371	Non-Hazardous Storage General Purpose Depot	1988	2,245
372	Non-Hazardous Storage General Purpose Depot	1988	2,245
374	Acetylene Storage Installation	1990	2,100
375	Flammable Materials Storage Installation	1992	216
376	Non-Hazardous Storage General Purpose Depot	1993	6,000

Munitions Disposal. Several areas and facilities at the depot have been used for the demilitarization and disposal of munitions. Presently, munitions are the only hazardous material that is disposed of on site. The Open Burning/Open Demolition (OB/OD) Grounds, located in the northwest corner of the depot, is still in use for munitions disposal. This area includes three of the currently recognized SWMUs—SEAD-23, SEAD-45, and SEAD-57. A munitions deactivation furnace at Building 311 (SEAD-16) was used to destroy small arms munitions from 1945 to the mid-1960s. A second deactivation furnace at Building 367 (SEAD-17) has been used to destroy small arms, fuses, boosters, and other firing devices since 1962. Larger munitions, projectiles, and explosives cannot be destroyed in the furnace. They must be dismantled and the powder and/or propellant removed. These activities were conducted from 1948 to 1963 in Buildings 2073 to 2079, 2084, and 2085. This area is known as the Munitions Washout Plant (SEAD-4) and is currently dismantled. This activity is presently accomplished in Buildings 608 to 612 (SEAD-52). From the 1940s to the 1950s, powder was disposed of in the Powder Burning Pit (SEAD-24), located in the west-central part of the Main Depot Area, just south of Kendaia Creek. Information regarding munitions disposal facilities is presented in Table 3-3.

Table 3-3
MAIN DEPOT AREA
MUNITIONS DISPOSAL FACILITIES

FACILITY NO.	FUNCTION	YEAR BUILT	SQ FT
311	Old Popping Plant (SEAD-16)	1942	11,628
366	Power Collect/Barricade	1950	950

Table 3-3
(Continued)

FACILITY NO.	FUNCTION	YEAR BUILT	SQ FT
367	Demolition Furnace (SEAD-17)	1961	3,640
606	Pest Control (SEADs 43 and 56)	1956	3,414
608	Service Magazine Building (SEAD-52)	1954	350
609	Heating Plant (SEAD-52)	1954	692
610	Vacuum Collect/Barricade (SEAD-52)	1954	513
611	Flammable Storage (SEAD-52)	1954	400
612	Ammunition Renovation Shop (SEAD-52)	1954	18,393
2073	Ammunition Refinish (SEAD-4)	1950	3,683
2074	Non-Hazardous Storage (SEAD-4)	1950	158
2075	Ammunition Vacuum System (SEAD-4)	1950	120
2076	Break/Changing Area (SEAD-4)	1953	5,440
2077	Non-Hazardous Materials Storage (SEAD-4)	1942	565
2078	Process/Condition Ammunition	1942	7,494
2079	Boiler Plant (SEADS 4 and 38)	1947	1,926
2084	Process/Condition Ammunition (SEAD-4)	1950	5,480
2085	Process Condition Ammunition (SEAD-4)	1950	1,642
2104	Change House (OB/OD Grounds)	1951	1,300
2105	Non-Hazardous Storage Building (OB/OD Grounds)	1945	21,448
2106	Equipment Shelter (OB/OD Grounds)	1950	585
2107	Remote Control Shelter (OB/OD Grounds)	1950	64

Industrial Operations. Industrial activities carried out at the Seneca Army Depot Activity have included the restoration of conventional and guided missile ammunition, munitions maintenance and demilitarization, and industrial plant equipment restoration. 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 (USATHMA 1980).

Effluents from these operations have included solvents, preservatives, grease, metal dusts (including lead- and cadmium-bearing silver solders), acids, alkalies, and propellant and explosive dusts. Effluent disposal operations have included distillation and reuses of solvents, burning sludges in the Open Burning Ground, running overflow from oil separators into the storm drain system, burning waste oil at the Open Burning Ground, discharging boiler plant blowdown onto the ground or into drainage ditches, disposing of spot cleaning and wiping rags in the incinerator, resale of waste oils by the Property Disposal Yard, burning of some flammable materials by the fire department for training purposes, and disposal of some used oil by burning in the depot oil burner (USATHMA 1980).

Steam cleaning facilities are equipped with oil/grease separators, and used solvents are disposed of off depot by a contractor. Self-contained degreasing units were installed after 1985, and all waste is disposed of by a contractor off site. Used motor oil was mixed with No. 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 mixing and continued to burn used motor oil until its removal from service in 1993. Presently, used motor oil is picked up by contract and disposed of off site. Table 3-4 lists the facilities used in munitions restoration activities.

Table 3-4
MAIN DEPOT AREA
MUNITIONS RESTORATION FACILITIES

FACILITY NO.	FUNCTION	YEAR BUILT	SQ FT
5	Bundle Ammunition Packing	1942	11,754
6	Heating Plant	1942	607
7	Bundle Ammunition Packing	1942	11,754
306	Ammunition Inspection Workshop	1942	5,413
308	Heating Plant	1942	531
309	Administration	1944	8,241
310	Change House	1955	840

Other industrial operations at the Seneca Army Depot Activity are carried out in the IPE Subarea. Activities conducted here have included the rebuilding of industrial production equipment and maintenance of vehicles and other industrial stock items. IPE facilities are listed in Table 3-5.

Table 3-5
MAIN DEPOT AREA
INDUSTRIAL PLANT EQUIPMENT FACILITIES

FACILITY NO.	FUNCTION	YEAR BUILT	SQ FT
316	Shop 1	1942	18,615
317	Shop 2	1942	26,429
318	Shop 3	1942	18,615
372	Hazardous Storage General Purpose Depot	1988	5,600

Administration/Support. Main Depot administration/support activities cover about 200 acres and include the facilities listed in Table 3-6.

Table 3-6
MAIN DEPOT AREA
ADMINISTRATIVE/SUPPORT FACILITIES

FACILITY NO.	FUNCTION	YEAR BUILT	SQ FT
308	Heating Plant	1942	531
309	Administration	1944	8,241
312	Flammable Storage	1942	12,000
313	Sentry Station	1942	150
314	Sewage Treatment Plant (SEAD-22)	1951	439
319	Heating Plant Building (SEADs 37 and 40)	1942	2,868
320	Machine Shop	1942	16,300
321	Test, Measurement, Diagnostic Equipment (SEAD-47) Calibration Lab	1942	8,400
321	Administration General Purpose	1942	3,600
322	Flammable Storage	1955	256
335	Old Pest Control Shop (SEAD-68)	1956	3,827

Table 3-6
(Continued)

FACILITY NO.	FUNCTION	YEAR BUILT	SQ FT
353	Water Plant	1954	1,642
359	Sentry Post No. 6	1953	150
360	Maintenance General Purpose (SEAD-27)	1980	8,660
360	Administration General Purpose	1980	1,024
363	Sewage Lift Station	1974	96
366	Power Collect/Barricade	1950	950

Training Ranges. Approximately 900 acres of the Main Depot Area is used for military training of soldiers and National Guard troops. Historically, the depot has provided training support for all branches of the military and the National Guard. This principally involved annual training for National Guard personnel and reservists. As of July 31, 1996, all training activities at the depot were discontinued. Training ranges in the Main Depot Area were located in four different areas. These included the Duck Ponds Subarea, a marshy, wooded area with ponds in the northeastern corner of the depot; an open, undeveloped area north of Buildings 306 and 308; the wooded, undeveloped area between the southernmost row of storage igloos and the southern perimeter fenceline; and the area south of the OB/OD Grounds on both sides of the East-West Baseline Road. Live-fire training activities were confined to designated firing ranges and to the training area along the East-West Baseline Road. These areas are discussed further in Sections Four and Five. One structure, summarized in Table 3-7, is associated with training activities in the Main Depot Area.

Table 3-7
MAIN DEPOT AREA
TRAINING FACILITY

FACILITY NO.	FUNCTION	YEAR BUILT	SQ FT
373	Covered Training Area	1951	1,052

3.3.1.2 North Depot and Special Weapons Areas

In 1956, the North Depot Activity was established with a special weapons mission. This mission was terminated in 1993 by Executive Order of the President. Areas associated with this mission are the North Depot and Special Weapons Areas. The North Depot Area contains facilities for maintenance activities (23 acres), industrial activities (1 acre), administration facilities (5 acres), troop housing (8 acres), community facilities (71 acres), outdoor recreation facilities (12 acres), and training ranges (30 acres). The facilities listed in Table 3-8 are located in this area.

Table 3-8
NORTH DEPOT AREA FACILITIES

FACILITY NO.	FUNCTION	YEAR BUILT	SQ FT
701	Administration	1956	14,280
702	Drug/Alcohol Abuse	1954	1,000
702	Administration General Purpose	1954	1,100
702	Technical Library	1954	1,381
702	Office	1954	1,629
702	Bachelor Officers' Quarters	1954	13,168
703	Barracks	1982	40,572
704	Barracks	1957	31,112
705A	Skill Development Center (Arts and Crafts)	1959	3,843
705	Recreation Center	1959	7,996
706	Post Theater	1956	3,705
707	Dining Facility	1956	11,552
707	Exchange Main Store	1956	7,372
708	Barracks	1957	31,112
709	Classified Document Incinerator (SEAD-18)	1956	15
710	Administration	1956	3,280
711	Sentry Station Post 3	1961	86
S-714	Bowling Center	1955	7,633
715	Sewage Treatment Plant (SEAD-21)	1942	4,792
716	Oil Pump House	1956	144
718	Boiler Plant (SEADs 35 and 41)	1956	3,224
719	Office Building	1956	144
720	Motor Vehicle Shop	1956	4,282
721	Gas Pump House	1956	177
722	Fire Station	1956	4,700

Table 3-8
(Continued)

FACILITY NO.	FUNCTION	YEAR BUILT	SQ FT
723	Commissary	1956	17,209
723	Physical Fitness Center	1956	5,967
724	Veterinary Facility	1952	540
724	Mixed Case Development	1952	8,460
725	Battery Storage	1956	177
726	Security Maintenance	1956	967
727	Storage	1956	1,320
728	Parts Building	1956	177
729	Security Headquarters	1956	4,620
731	Restaurant	1962; Renovated 1992	6,874
732	Auto Shop/Car Wash	1962	3,584
733	Bath House	1971	530
740	Chapel	1959	2,084
740	Child Development Center	1959	2,414
742	Post Exchange Gas Station	1962	1,392
743	Exchange Branch	1977	500
744	Gymnasium	1981	18,079
746	Vehicle Maintenance	1982	4,239
747	Auto Maintenance and Training	1982	8,700
748	Bivouac Building	1985	13,675
749	Dog Kennel	1986	Unknown
750	Army Community Service	1986	2,407
751	Equipment Rental	1987	5,013
752	Child Care Center	1988	6,596
753	Guard Shack	1987	35
754	Power Plant Building	1987	138
755	Non-Hazardous Storage General Purpose Installation	1990	900

The Special Weapons Area includes facilities encompassing 700 acres that have been used for the storage of special weapons. Table 3-9 lists the Special Weapons Area facilities.

Table 3-9
SPECIAL WEAPONS AREA FACILITIES

FACILITY NO.	FUNCTION	YEAR BUILT	SQ FT
800	Sentry Station Post 3	1981	1,272
801	Classified Document Incinerator (SEAD-19)	1956	15
802	Administration	1956	5,206
803	Mixed Waste Storage (SEAD-72)	1956	2,803
804	Electronic Maintenance Building	1957	1,334
805	Equipment Building	1957	440
806	Technical Training (SEAD-47)	1958	4,000
807	Supply Support Shop	1958	4,000
809	Flammable Storage	1957	177
810	General Non-Hazardous Warehouse	1957	37,973
812	Security Control Center	1957	10,686
813	Storage Workshop	1957	4,348
814	Spray Paint Building	1957	3,582
815	Shop	1957	11,072
816	Shop	1956	15,373
817	Shop	1959	944
819	Weapon Assembly	1957	8,267
823	General Purpose Magazine Depot	1943	69
824	Loading Platform Blocking/Banding	1961	3,899
825	Non-Hazardous Warehouse	1959	4,000
827	Water Control Facility	1984	149
A0101-102	Igloo Storage Depot	1943	1,221
A0201, 203, 205, 207, 209, 211, 213, 215, 217	Igloo Storage Depot	1957	2,421
A0202, 204, 206, 208, 210, 212, 214, 216, 218	Igloo Storage Depot	1942	1,816
A0301, 303, 305, 307, 309, 311, 313, 315, 317	Igloo Storage Depot	1942	1,816
A0302, 304, 306, 308, 310, 312, 314, 316	Igloo Storage Depot	1957	2,421

Table 3-9
(Continued)

FACILITY NO.	FUNCTION	YEAR BUILT	SQ FT
A0401-409	Igloo Storage Depot	1942	1,816
A0501-508	Igloo Storage Depot	1942	1,816
A0601-610	Igloo Storage Depot	1942	1,816

Much of the details regarding the special weapons mission at the depot remains classified. Information regarding specific weapons and specific activities is not available. General information regarding which radioisotopes may be present in a particular building and which hazardous substances were used in a particular building is available. This information is presented in Table 3-10.

Table 3-10
RADIOISOTOPES AND OTHER HAZARDOUS SUBSTANCES

BUILDING NO.	RADIOISOTOPES	OTHER HAZARDOUS SUBSTANCES
803	U235, U238, Pu239, H3, Ra226, Co60, Co57	None
804	U235, U238, Pu239, H3, Ra226	Solvents, lead-based paints, chromate-based paints
806	None	Lead/heavy metals, acid, solvents
810	U238, H3, Ra226, Co60	Lead/heavy metals, lead-based paints, chromate-based paints
812	Ra226, Pm147, H3	Solvents, POLs
813	None	Lead-based paints, chromate-based paints, solvents
814	None	Solvents, POLs, lead-based paints, chromate-based paints, acids, heavy metals
815 and 816	U235, U238, Pu239, H3, Co60, Pm147,Ra226	Solvents, heavy metals, acid, asbestos, lead-based paints, chromate-based paints
817	None	Lead-based paints, chromate-based paints
819	Ra226, U235, U238, Co60, Pu239, H3	Di-isocynates, heavy metals, acid, lead-based paints, chromate-based paints, solvents, asbestos

3.3.1.3 South Depot Area

The South Depot Area is the main administrative and support area for directing the operations of the entire depot. Facilities related to administration (30 acres), maintenance (15 acres), medical (3 acres), family housing (90 acres), community (71 acres), and outdoor recreation (12 acres) activities are located in this area. The family housing area at the South Depot is known as Elliot Acres. Table 3-11 lists the facilities located in the South Depot Area.

Table 3-11
SOUTH DEPOT AREA FACILITIES

FACILITY NO.	FUNCTION	YEAR BUILT	SQ FT
1	Break/Lunch Room	1972	256
4	Sewage Treatment Plant (SEAD-20)	1942	540
9	General Storage Shed	1942	824
12	General Storage Shed	1942	824
14	Sewage/Wastewater Treatment	1984	473
101	Post Headquarters	1942	14,772
102	Transformer House	1942	428
103	Administration General Purpose	1942	1,800
104	Sentry Station Post 1	1942	462
106	Engineering Maintenance Facility	1977	720
106	Health Clinic (SEAD-42)	1977	9,875
106	Dental Clinic	1977	468
107	Power Plant Building	1990	160
110	Scale House	1942	120
110A	Scale House	1986	100
113	Crate Shop	1944	16,504
116	Health Clinic	1942	3,634
116	Administrative General Purpose	1942	9,388
116	Credit Union	1942	445
117	Photo Laboratory	1942	740
117	Vehicle Maintenance Shop	1942	19,127
118	Motor Repair Shop	1942	18,928
119	Office	1943	3,205
120	Gas Station	1942	400
121	Boiler Plant (SEADs 36 and 39)	1942	3,250

Table 3-11
(Continued)

FACILITY NO.	FUNCTION	YEAR BUILT	SQ FT
122	Facility Engineering Shop	1942	12,318
123	Engineering	1942	3,205
124	Facility Engineering Shop	1942	1,567
125	Procurement Office	1969	4,260
126	Youth Center	1980	3,220
127	Loco House	1942	6,157
128	Rock Salt Storage	1981	120
130	Pump House	1982	214
131	Non-Hazardous Storage	1961	2,400
135	Heavy Equipment Storage	1956	5,014
136	Picnic Shelter	1979	960
137	Power Plant Building	1983	185
138	Car Wash	1984	1,500
143	Cable House	1943	36
145	Engineering Maintenance Facility	1951	558
146	Engineering Maintenance Facility	1992	9,000
147	Non-Hazardous General Purpose Storage	1992	4,072
247	Pumping Station	1960	Unknown
200-A	Elliot Acres Housing Unit	1960	1,526
200-B	Elliot Acres Housing Unit	1960	1,526
201-A	Elliot Acres Housing Unit	1960	1,526
201-B	Elliot Acres Housing Unit	1960	1,526
208-A	Elliot Acres Housing Unit	1960	2,559
208-B	Elliot Acres Housing Unit	1960	2,559
209-A	Elliot Acres Housing Unit	1960	1,526
209-B	Elliot Acres Housing Unit	1960	1,526
210-A	Elliot Acres Housing Unit	1960	1,750
210-B	Elliot Acres Housing Unit	1960	1,750
211-A	Elliot Acres Housing Unit	1960	1,600
211-B	Elliot Acres Housing Unit	1960	1,600
212-A	Elliot Acres Housing Unit	1960	1,750
212-B	Elliot Acres Housing Unit	1960	1,750
213-A	Elliot Acres Housing Unit	1960	1,600
213-B	Elliot Acres Housing Unit	1960	1,600
218-A	Elliot Acres Housing Unit	1960	1,600
218-B	Elliot Acres Housing Unit	1960	1,600
219-A	Elliot Acres Housing Unit	1960	1,750
219-B	Elliot Acres Housing Unit	1960	1,750

Table 3-11
(Continued)

FACILITY NO.	FUNCTION	YEAR BUILT	SQ FT
221-A	Elliot Acres Housing Unit	1960	1,600
221-B	Elliot Acres Housing Unit	1960	1,600
222-A	Elliot Acres Housing Unit	1960	1,750
222-B	Elliot Acres Housing Unit	1960	1,750
223-A	Elliot Acres Housing Unit	1960	1,600
223-B	Elliot Acres Housing Unit	1960	1,600
224-A	Elliot Acres Housing Unit	1960	1,320
224-B	Elliot Acres Housing Unit	1960	1,320
224-C	Elliot Acres Housing Unit	1960	1,320
224-D	Elliot Acres Housing Unit	1960	1,320
225-A	Elliot Acres Housing Unit	1960	1,320
225-B	Elliot Acres Housing Unit	1960	1,320
225-C	Elliot Acres Housing Unit	1960	1,320
225-D	Elliot Acres Housing Unit	1960	1,320
226-A	Elliot Acres Housing Unit	1960	1,320
226-B	Elliot Acres Housing Unit	1960	1,320
226-C	Elliot Acres Housing Unit	1960	1,320
226-D	Elliot Acres Housing Unit	1960	1,320
227-A	Elliot Acres Housing Unit	1960	1,320
227-B	Elliot Acres Housing Unit	1960	1,320
227-C	Elliot Acres Housing Unit	1960	1,320
227-D	Elliot Acres Housing Unit	1960	1,320
228-A	Elliot Acres Housing Unit	1960	1,320
228-B	Elliot Acres Housing Unit	1960	1,320
228-C	Elliot Acres Housing Unit	1960	1,320
228-D	Elliot Acres Housing Unit	1960	1,320
229-A	Elliot Acres Housing Unit	1960	1,320
229-B	Elliot Acres Housing Unit	1960	1,320
229-C	Elliot Acres Housing Unit	1960	1,320
229-D	Elliot Acres Housing Unit	1960	1,320
230-A	Elliot Acres Housing Unit	1960	1,320
230-B	Elliot Acres Housing Unit	1960	1,320
230-C	Elliot Acres Housing Unit	1960	1,320
230-D	Elliot Acres Housing Unit	1960	1,320
231-A	Elliot Acres Housing Unit	1960	1,320
231-B	Elliot Acres Housing Unit	1960	1,320
231-C	Elliot Acres Housing Unit	1960	1,320
231-D	Elliot Acres Housing Unit	1960	1,320
232-A	Elliot Acres Housing Unit	1960	1,320
232-B	Elliot Acres Housing Unit	1960	1,320
232-C	Elliot Acres Housing Unit	1960	1,320
232-D	Elliot Acres Housing Unit	1960	1,320

Table 3-11
(Continued)

FACILITY NO.	FUNCTION	YEAR BUILT	SQ FT
233-A	Elliot Acres Housing Unit	1960	1,320
233-B	Elliot Acres Housing Unit	1960	1,320
233-C	Elliot Acres Housing Unit	1960	1,320
233-D	Elliot Acres Housing Unit	1960	1,320
234-A	Elliot Acres Housing Unit	1960	1,320
234-B	Elliot Acres Housing Unit	1960	1,320
234-C	Elliot Acres Housing Unit	1960	1,320
234-D	Elliot Acres Housing Unit	1960	1,320
235-A	Elliot Acres Housing Unit	1960	1,320
235-B	Elliot Acres Housing Unit	1960	1,320
235-C	Elliot Acres Housing Unit	1960	1,320
235-D	Elliot Acres Housing Unit	1960	1,320
236-A	Elliot Acres Housing Unit	1960	1,320
236-B	Elliot Acres Housing Unit	1960	1,320
236-C	Elliot Acres Housing Unit	1960	1,320
236-D	Elliot Acres Housing Unit	1960	1,320
237-A	Elliot Acres Housing Unit	1960	1,320
237-B	Elliot Acres Housing Unit	1960	1,320
237-C	Elliot Acres Housing Unit	1960	1,320
237-D	Elliot Acres Housing Unit	1960	1,320
238-A	Elliot Acres Housing Unit	1960	1,320
238-B	Elliot Acres Housing Unit	1960	1,320
238-C	Elliot Acres Housing Unit	1960	1,320
238-D	Elliot Acres Housing Unit	1960	1,320
239-A	Elliot Acres Housing Unit	1960	1,320
239-B	Elliot Acres Housing Unit	1960	1,320
239-C	Elliot Acres Housing Unit	1960	1,320
239-D	Elliot Acres Housing Unit	1960	1,320
240-A	Elliot Acres Housing Unit	1960	1,320
240-B	Elliot Acres Housing Unit	1960	1,320
240-C	Elliot Acres Housing Unit	1960	1,320
240-D	Elliot Acres Housing Unit	1960	1,320
241-A	Elliot Acres Housing Unit	1960	1,320
241-B	Elliot Acres Housing Unit	1960	1,320
241-C	Elliot Acres Housing Unit	1960	1,320
241-D	Elliot Acres Housing Unit	1960	1,320
242-A	Elliot Acres Housing Unit	1960	1,320
242-B	Elliot Acres Housing Unit	1960	1,320
242-C	Elliot Acres Housing Unit	1960	1,320
242-D	Elliot Acres Housing Unit	1960	1,320
243-A	Elliot Acres Housing Unit	1960	1,480
243-B	Elliot Acres Housing Unit	1960	1,480

Table 3-11
(Continued)

FACILITY NO.	FUNCTION	YEAR BUILT	SQ FT
243-C	Elliot Acres Housing Unit	1960	1,480
243-D	Elliot Acres Housing Unit	1960	1,480
244-A	Elliot Acres Housing Unit	1960	1,480
244-B	Elliot Acres Housing Unit	1960	1,480
244-C	Elliot Acres Housing Unit	1960	1,480
244-D	Elliot Acres Housing Unit	1960	1,480
245-A	Elliot Acres Housing Unit	1960	1,480
245-B	Elliot Acres Housing Unit	1960	1,480
245-C	Elliot Acres Housing Unit	1960	1,480
245-D	Elliot Acres Housing Unit	1960	1,480

3.3.1.4 Airfield Area

The Airfield Area and directly related facilities cover an area of approximately 460 acres. Training ranges cover an additional 65 acres of the southwest corner of the Airfield Area. The Airfield Area was acquired by the U.S. Army in 1957. Since that time, it has been used for the loading and off-loading of transport planes and for housing helicopters that are used for surveillance of the installation. Transport planes were not cleared for landing unless it could be assured that they could be loaded or off-loaded and depart all in the same day. That is, the airfield was not used for long-term aircraft parking, nor was it used for aircraft maintenance. The main environmental concern at the airfield are the fueling areas, and these are shown on Figure 5-1. Aircraft were refueled from tanker trucks. During refueling, if fuel was determined to be of poor quality, it either remained in the tanker trucks or was off-loaded into 55-gallon drums. The fuel was then taken to the fire training area on the Main Depot and used for that activity. Two UH-1 helicopters used for security are stationed at the airfield and hangared in Building 2305. Building 2306 is used as an office for the USA Readiness Group on an as needed basis. Other than these functions, the airfield is not in use at this time. Table 3-12 lists the facilities found at the Airfield Area.

Table 3-12
AIRFIELD AREA FACILITIES

FACILITY NO.	FUNCTION	YEAR BUILT	SQ FT
2301	Training Community	1954	1,022
2302	Target Storage	1953	1,022
2304	Power Vault	1953	2,184
2305	Army Readiness Group	1954	5,589
2306	Flight Control Tower	1953	8,774
2310	JP8 Tank Building	1981	144
2311	Sentry Station Post 8	1983	192
2312	Administration General Purpose	1986	2,401
2314	Gas Chamber	1988	286
2315	Fuel/Petroleum, Oil, Lubricant Building	1992	5,100
2316	Outdoor Rifle Range for Machine Guns	1992	48,400

3.3.1.5 Lake Housing Area

The Lake Housing Area consists of a family housing area that covers 110 acres, community facilities covering 10 acres, and outdoor recreation areas that cover 155 acres. The Commanding Officer is quartered at the Lake Housing Area along Colonels Drive. Records indicate that this has also been known as Colonels Row. Table 3-13 lists the facilities found in the Lake Housing Area.

Table 3-13
LAKE HOUSING AREA FACILITIES

FACILITY NO.	FUNCTION	YEAR BUILT	SQ FT
2401	Lake Housing	1942	2,700
2402	Lake Housing	1942	625
2403	Lake Housing	1942	1,846
2404	Lake Housing	1942	2,184
2405	Lake Housing	1942	625
2406	Lake Housing	1942	2,204
2407	Lake Housing	1942	596
2408	Lake Housing	1942	4,103
2409	Officers' Club Storage	1942	720
2410	Officers' Club	1942	3,747
2411	Pump House	1942	2,535

Table 3-13
(Continued)

FACILITY NO.	FUNCTION	YEAR BUILT	SQ FT
2412	Lake Housing	1942	1,067
2413	Lake Housing	1942	418
2414	Lake Housing	1942	1,968
2415	Lake Housing	1942	1,039
2416	Lake Housing	1942	344
2417	Lake Housing	1942	400
2418	Lake Housing	1942	780
2419	Lake Housing	1942	1,302
2420	Lake Housing	1942	251
2421	Lake Housing	1942	1,761
2423	Lake Housing	1942	1,323
2424	Lake Housing	1942	600
2425	Lake Housing	1942	1,218
2426	Lake Housing	1942	968
2427	Lake Housing	1942	915
2428	Lake Housing	1942	333
2429	Lake Housing	1942	1,020
2430	Lake Housing	1942	289
2431	Lake Housing	1942	339
2432	Lake Housing	1942	1,490
2433	Lake Housing	1942	400
2434	Sewage Pump Station	1957	Unknown
2436	Lake Housing	1942	229
2437	Lake Housing	1942	1,815
2438	Lake Housing	1942	1,160
2439	Lake Housing	1942	354
2441	Lake Housing	1942	1,026
2443	Lake Housing	1942	1,238
2444	Lake Housing	1942	493
2445	Recreation Center	1982	920
2446	Lake Housing	1942	1,156
2447	Lake Housing	1942	372
2448	Lake Housing	1942	1,266
2449	Lake Housing	1942	502
2450	Lake Housing	1942	1,026
2451	Lake Housing	1942	580
2452	Lake Housing	1942	1,166
2453	Lake Housing	1942	1,333
2454	Lake Housing	1942	264
2455	Electric Substation	1982	80
2456	Boat House	1970	800
2466	Lake Housing	1942	318

Table 3-13
(Continued)

FACILITY NO.	FUNCTION	YEAR BUILT	SQ FT
2473	Trailer	1976	780
2485	Army Travel Camp Office	1981	1,576
2491	New Lake Housing	1988	1,976
2492	New Lake Housing	1988	1,976
2493	New Lake Housing	1988	2,096
2494	New Lake Housing	1988	1,976
2495	New Lake Housing	1988	1,976
2496	New Lake Housing	1988	2,096
2497	New Lake Housing	1988	2,096
2498	New Lake Housing	1988	1,976
2499	New Lake Housing	1988	1,976
2500	New Lake Housing	1988	1,976
2501	New Lake Housing	1988	1,976
2502	New Lake Housing	1988	2,096
2504	New Lake Housing	1988	1,976
2505	New Lake Housing	1988	2,380
2507	New Lake Housing	1988	2,288
2508	New Lake Housing	1988	2,380
2509	New Lake Housing	1988	2,288
2510	New Lake Housing	1988	2,380
2511	New Lake Housing	1988	2,288
2512	New Lake Housing	1988	2,288
2513	New Lake Housing	1988	2,288
2514	New Lake Housing	1988	2,288
2515	New Lake Housing	1988	2,288
2516	New Lake Housing	1988	2,380
2517	New Lake Housing	1988	2,380
2518	New Lake Housing	1988	2,380
2519	New Lake Housing	1988	2,288
2520	New Lake Housing	1988	2,380
2521	New Lake Housing	1988	2,288
2523	New Lake Housing	1988	2,288
2524	Guest Houses	1992	980
2525	Guest Houses	1992	980
2470	Guest Houses	1972	500
2471	Guest Houses	1972	500
2472	Guest Houses	1972	500
2474	Guest Houses	1976	720
2475	Guest Houses	1976	660
2476	Guest Houses	1976	720
2477	Guest Houses	1976	720
2478	Guest Houses	1976	720

Table 3-13
(Continued)

FACILITY NO.	FUNCTION	YEAR BUILT	SQ FT
2479	Guest Houses	1988	924
2480	Guest Houses	1976	660
2481	Guest Houses	1976	720
2482	Guest Houses	1976	780
2483	Guest Houses	1988	924
2484	Guest Houses	1976	768
2486	Guest Houses	1988	891
2487	Guest Houses	1988	891
2488	Guest Houses	1988	891
2489	Guest Houses	1988	891
2490	Guest Houses	1988	891

3.3.1.6 Coast Guard Area

A portion of the installation near the southeast corner is currently used by the U.S. Coast Guard (USCG). The USCG operates a LORAN-C transmitter at this site. Facilities involved with this mission include a single building (un-numbered), a UST, and the transmitter antenna tower.

3.3.2 Tenant Missions

In 1953 and 1954, the Seneca Army Depot Activity began storage of material for the General Services Administration (GSA). This included large uncovered storage piles of various ores (EPA, Region II et al. 1993). Presently, 20 strategic ore storage piles remain at the Seneca Army Depot Activity. These are stores of 19 commodities totaling 484,552 metric tons.

In 1978, a LORAN-C station was commissioned and made operational by the USCG. This transmitter is located in the Coast Guard Area and consists of a single building and associated UST. This area is located near the southeastern corner of the installation. The USCG transmits LORAN signals to the northeastern U.S. and the Great Lakes and monitors and controls transmissions using remote monitor sites (STV/Lyon Associates 1990; Seneca Army Depot Activity 1991).

The Defense Reutilization and Marketing Office (DRMO), Romulus "Type-II" Scrap Branch operates a holding area at the Seneca Army Depot Activity for property scheduled for disposal until it is transported to Griffis Air Force Base or sold as scrap (STV/Lyon Associates 1990). This facility is located in the Main Depot Area west of Building 160.

The U.S. Army Test, Measurement and Diagnostic Equipment Agency (USATA) maintains radiation calibration sources in Buildings 321 and 806 (SEAD-47).

The U.S. Army Health Clinic (MEDDAC) provides medical, and formerly dental, services to installation-authorized area personnel (STV/Lyon Associates 1990). The clinic is located in Building 106-A (SEAD-42).

The following tenants use mainly administrative type facilities: Civilian Personnel Office (CPO), Tobyhanna Army Depot; GSA Fleet Manager; and SOD Federal Credit Union.

3.4 FACILITY SUPPORT ACTIVITIES

3.4.1 Hazardous Materials/Waste Management

Hazardous waste management facilities at the Seneca Army Depot Activity presently consist of one drum storage area (Building 307, SEAD-1), one PCB-containing transformer storage area (Building 301, SEAD-2), an incinerator for the demilitarization of munitions (Building 367, SEAD-17), and a mixed waste storage area (Building 803, SEAD-22) (Seneca Army Depot Activity 1991). All of these facilities are RCRA TSD facilities operating under interim status.

Building 307 is a corrugated metal building with a curbed, concrete slab floor that is used to store materials in 55-gallon drums (SEAD-1). Drums are stored on wooden pallets and labeled by waste type. The building permit has a maximum capacity of 150 drums.

Building 301 is used for PCB-containing transformer storage (SEAD-2). When transformers are repaired or taken out of service, the fluid is tested for PCB content in this building. Materials stored here are awaiting testing or disposal. Fluids may be drained from equipment and placed in

55-gallon drums that are then stored in Building 307. The empty equipment is stored in Building 301. This building was empty at the time of the 1995 EBS site inspection.

An important part of the Seneca Army Depot Activity's mission is the demilitarization of explosives. Two deactivation furnaces have been used for the destruction of small arms ammunition. Building 311 was in use from 1945 until the mid-1960s (SEAD-16). This furnace operated without dust collectors. Building 367 is the location of the present APE-1236 deactivation furnace, which has dust collectors (SEAD-17). This facility has been in use since 1962. Larger munitions must be dismantled and the powder and/or propellant removed. Buildings 608 through 612 are the present locations of this activity (SEAD-52), which was formerly carried out at the ammunition workshops, Buildings 2074 through 2085. In this area, a dismantled washout plant had been located. This plant was operational between 1948 and 1963 and is one of the presently recognized SWMUs (SEAD-4). Ordnance detonation and burning activities have also been conducted at the Seneca Army Depot Activity; areas used for these purposes are also recognized SWMUs (SEADs 23, 45, and 57) (Engineering Science, Inc. 1994c; STV/Lyon Associates 1990). From the 1940s to the 1950s, powder was disposed of in the Powder Burning Pit (SEAD-24). These SWMUs are discussed further in Section 4.1.

Building 803 is used to store mixed wastes that are mainly wipes contaminated with several low-level radioactive components and F-listed solvents (SEAD-72). The materials are segregated by solvent type, double bagged, and stored in open top 55-gallon drums. The drums are stored in vaults with a maximum capacity of 24 drums per vault and 96 drums total for the building (Seneca Army Depot Activity 1991).

Approximately 4,010 acres at the Seneca Army Depot Activity are used for the storage of 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; in addition, six warehouses are used to store ammunition. There are another 64 igloos in the exclusion area used for the storage of special weapons (STV/Lyon Associates 1990).

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

Piles of chromate ore have been stored at several locations within the Seneca Army Depot Activity 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 Seneca Army Depot Activity since 1956. These piles rest on hard storage pads and are covered with sheets of roofing material. Other ores that have been, or are presently, stockpiled at the Seneca Army Depot Activity include: antimony, asbestos, chromium, aluminum oxide, ferrochromium, ferro manganese, zinc, and rutile (Environmental Science and Engineering 1988b).

Columbite ore (a mixture of the oxides of iron, manganese, niobium, and tantalum) was stored in Buildings 324, 356, and 357 beginning in 1954 (SEAD-49). In 1973, the ore was transferred to Building 357 and Building 324 was swept. The ore was removed from the depot in 1993. The ore, now stored in drums, was originally kept in burlap bags. 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 USAEHA 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). Warehouses that are known to have been used for the storage of hazardous materials are listed in Table 3-14.

Table 3-14
BUILDINGS USED TO STORE HAZARDOUS MATERIALS

BUILDING	HAZARDOUS MATERIALS
307	Hazardous waste
323	Pesticide, soda ash, and antifreeze
324	Columbite ore
327	Pesticide, soda ash, and antifreeze
330	Pesticide, soda ash, and antifreeze

Table 3-14
(Continued)

BUILDING	HAZARDOUS MATERIALS
331	Pesticide, soda ash, and antifreeze
333	STB, DS-2, and solvents
336	STB and chlorine impregnate
343	Pesticide, soda ash, and antifreeze
356	DS-2 and columbite ore storage
357	DS-2 and columbite ore storage

Fibrous asbestos ore is currently stored in Tank Number 88 at the Tank Farm (SEADs 50 and 54). Asbestos, previously stored in some of the other tanks, was shipped to other GSA warehouses in the 1960s (USATHMA 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 of this area, there is still outstanding concern about radiological contamination, and this area is one of the recognized SWMUs (SEAD-48) (Engineering Science, Inc. 1994c; STV/Lyon Associates 1990). This SWMU is discussed further in Section 4.1.

3.4.2 Solid Waste/Landfill Management

Solid waste is collected and transported by contract for disposal at an off-site, private landfill (USAMC 1994). Metal and other materials that have resale value are stored at the property disposal yard until enough materials accumulate to warrant a solicitation for bids. Waste oil is stored at this yard in two USTs, and it is also stored in USTs at Buildings 117 (SEAD-31), 188, and 732. Radiological waste was stored at the depot in the 1940s but this practice no longer occurs (STV/Lyon Associates 1990).

A large area of the Seneca Army Depot Activity that 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), and a solid waste incinerator (SEAD-15) has been combined into a single operable unit referred to as the Ash Landfill. Also located in the general vicinity is 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. 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. This Operable Unit is currently being investigated under a CERCLA RI/FS. These SWMUs are discussed further in Section 4.1.

The disposal area west of Building 2203 (SEAD-64D) was reportedly used for the dumping of crushed heavy gauge metal drums, empty smoke generating canisters, and various other metallic debris. Results of an expanded site investigation (ESI) conducted at this SWMU indicated that one large debris pile in the southwestern portion of this SWMU may have impacted the soils and groundwater locally. This SWMU is discussed further in Section 4.1 (Engineering Science, Inc. 1994c).

Nine of the other previously recognized SWMUs are associated with former solid waste disposal areas. SEAD-8 is a non-combustible landfill located to the south of Smith Farm Road. It was used for the burial of non-combustible and bulky items between 1974 and 1979. This site is presently closed and is being investigated as part of the Ash Landfill OU. SEAD-9 is a former construction debris landfill located near the intersection of the East Patrol Road and East Kendaia Road. This site was used for the disposal of construction debris from 1977 to 1984, for the disposal of scrapwood from 1984 to 1986, and for firewood storage from 1984 to 1994. This SWMU has been classified as a Moderately Low Priority Area of Concern (AOC) and a mini-risk assessment has been recommended.

SEAD-11 is an old construction debris landfill that is located south of Indian Creek Road. This site was used for the disposal of construction debris from 1946 to 1949. This SWMU has been classified as a Moderate Priority AOC and an RI/FS has been recommended. SEAD-59 is a fill area located to the west of Building 135. It was potentially used for the disposal of construction debris, and the dates of usage are not known. This SWMU has been classified as a Moderately Low Priority AOC and an RI/FS has been recommended.

SEAD-64 includes four separate garbage disposal areas that were possibly used when the installation solid waste incinerator was inoperable. This SWMU has been previously classified as a Low Priority AOC. SEAD-64A is a small landfill located in the Main Depot Area south of 7th Street. Investigations at this site by Engineering Science, Inc. revealed soil and groundwater contamination, and an RI/FS has been recommended. SEAD-64B is a landfill located near the south end of the Main Depot Area. Investigations by Engineering Science, Inc. indicate that minimal impacts to the soil, sediment, surface water, and groundwater have occurred at this site. It has been recommended that a minor risk assessment and a Completion Report be completed and finalized in a Record of Decision (ROD). SEAD-64C was a proposed landfill site located north of South Patrol Road that had been rumored to have been used for debris dumping. This site was investigated by Engineering Science, Inc., and no significant impacts to the media investigated were found. It has been recommended that a mini-risk assessment and a Completion Report be completed and finalized in an ROD. SEAD-64D is one large and two smaller debris piles, located west of Building 223 and east of West Patrol Road. This site was investigated by Engineering Science, Inc., and several localized impacts to soil and groundwater were found. An RI/FS has been recommended for this site.

SEAD-67 is a disposal area located east of Sewage Treatment Plant No. 4. This site was investigated by Engineering Science, Inc., and soil and sediment were found to have been significantly impacted. This SWMU is classified as a Low Priority AOC and a limited sampling program and a removal action have been recommended. SEAD-69 is a disposal area located southeast of Building 606. This site was investigated by Engineering Science, Inc., and no significant impacts to any of the media investigated were found. This SWMU is classified as a Moderately Low Priority AOC, and it has been recommended that a mini-risk assessment and a

Completion Report be completed and finalized in an ROD. SEAD-70 is a fill area east of Building T-2110 that had been used to dispose of construction debris. An investigation of this site by Engineering Science, Inc. revealed that sediment in the surrounding wetland and the soils which comprise the landfill material have been impacted by moderate releases of polyaromatic hydrocarbons (PAHs) (in the sediment) and arsenic (in the soil). This SWMU is classified as a Low Priority AOC, and it has been recommended that a mini-risk assessment and Completion Report be completed and finalized in an ROD.

SEAD-71 is a rumored paint and solvent disposal pit located west of Building 127. This site was investigated by Engineering Science, Inc., and, although a paint disposal pit was not confirmed, at least one pit with construction debris and contaminated soils was found. This SWMU is classified as a Low Priority AOC, and an RI/FS has been recommended.

3.4.3 Storage Tanks

The Seneca Army Depot Activity has 219 USTs or ASTs registered with the state of New York. A complete listing of these tanks, including their state registration numbers (SRN), capacities, year installed, and status as of August 1995, is provided in Appendix C.

3.4.4 Drinking Water Management

Water is supplied to the depot, as well as the towns of Varick and Romulus, by means of a treatment and pumping facility located at Building 2411. The water is drawn from Seneca Lake and is chlorinated and fluoridated at this plant. Treated water is then piped across the Main Depot to open Reservoir 334 at the South Depot. From the reservoir, the water is rechlorinated and pumped to elevated Water Tower 109. Water is sent from this tower to supply off-post users, Reservoir 352, and North Depot elevated Water Tower 730. The Airfield Area is supplied from an independent ground storage tank that is filled from Reservoir 334. A well near Building 2301 is also used for water supply on a daily basis (STV/Lyon Associates 1990).

The drinking water distribution system consists of various networks of mains that range in size from 6 to 12 inches in diameter. About half of the system is constructed of plastic polyvinyl

chloride (PVC) piping, while the remainder is steel, asbestos cement, or ductile-iron piping (STV/Lyon Associates 1990).

A few water wells are located on the Seneca Army Depot Activity to supply water to remote facilities (Seneca Army Depot Activity 1991).

3.4.5 Groundwater Monitoring Wells

Over 100 groundwater monitoring wells are in place at the Seneca Army Depot Activity. Forty-seven of these are located at the Ash Landfill, 17 are located at the open detonation grounds, and 37 are associated with the open burning grounds (Engineering Science 1994a, 1994b, 1994c).

3.4.6 Stormwater Management

The storm drainage system consists of both open and closed systems that discharge into the four watersheds of Indian Creek, Kendaia Creek, Kendig Creek, and Reeder Creek. A system of extensive channels has been excavated, and drains have been built to facilitate surface drainage of most of the depot lands. All hazardous materials storage areas are located indoors to prevent precipitation from contacting the drums. The incinerator and waste processing area are also located indoors (STV/Lyon Associates 1990; Seneca Army Depot Activity 1991).

3.4.7 Sewage Treatment

The sanitary sewage disposal system comprises two major collection systems serving the depot and a combined system for the towns of Varick and Romulus. The South Depot and Warehouse Areas are served by a system that incorporates a pumping station at Building 314 (SEAD-22) and treatment at Building 4 (STP 4, SEAD-20). A New York Discharge Elimination System (NYDES) tertiary permit has been approved for STP 4. Treated sewage from this plant is discharged into Kendig Creek. The sanitary system for the Special Weapons and North Depot Areas is connected to a treatment plant at Building 715 (SEAD-21). Treated sewage is discharged from this plant into Reeder Creek, which is also covered by the NYDES permit (STV/Lyon Associates 1990; Seneca Army Depot Activity 1991).

A sanitary system that is connected to the Seneca County Sewer District serves the Lake Housing Area (except five residences to the north). Individual septic tanks serve all remaining buildings with sanitary facilities (Seneca Army Depot Activity 1991).

3.4.8 Electrical Power Generation

Electrical power is not generated at the Seneca Army Depot Activity. Electrical power is provided by the New York State Electric and Gas Corporation (NYSEG) through a substation off site that is jointly operated by NYSEG and the U.S. Army. NYSEG is designing an upgrade to this 1950s-age facility. A second substation is located at the North Depot and is of similar age, but no upgrading is planned (STV/Lyon Associates 1990).

3.4.9 Heating System

The majority of buildings, specifically the storage igloos and various warehouses, are unheated. Buildings that are heated use either central steam distribution systems or individual oil-fired systems. About 60 percent of the heated space is served by the central steam heating system. Approximately 66 buildings and 279 housing units are heated with individual systems (STV/Lyon Associates 1990).

3.4.10 Fire Training

Fire protection is afforded by a fully-equipped on-site fire department that is located in Building 103. Two areas have been identified as having been used for fire training exercises. Both are previously recognized SWMUs (SEADs 25 and 26) and will be discussed in Section 4.1 (STV/Lyon Associates 1990; Seneca Army Depot Activity 1991).

3.4.11 Medical Activities

Infectious and contaminated wastes generated by the health clinic are disposed of off depot by contractors in accordance with NYSDEC regulations (STV/Lyon Associates 1990). For a time, medical wastes were stored in appropriate biohazard containers in Building 106-A (SEAD-42).

3.4.12 On-Site Housing

Housing is provided at three on-post areas: Elliot Acres, Lake Housing, and the North Depot. Out of a total of 124 three-to-four bedroom units at Elliot Acres, 10 are single units, 13 are double units, and 22 are four-unit buildings. This housing area covers about 90 acres of real property. The Lake Housing Area includes 78 housing units covering about 110 acres, five community facilities covering about 10 acres, and about 155 acres of environmentally sensitive land that is used for outdoor recreation. Troop housing at the North Depot covers about 8 acres and includes 3 barracks that can accommodate 270 troops and a Bachelor Officers' Quarters accommodating 18 men (STV/Lyon Associates 1990). The North Depot housing was not in use at the time of the field investigation. Currently, the North Depot area is closed, and many of the housing units at Elliot Acres and Lake Housing are unoccupied.

3.5 SENSITIVE ENVIRONMENTS

The Seneca Army Depot Activity *BRAC 1995 Implementation Plan* (Headquarters, Seneca Army Depot Activity 1995) outlines the steps that need to be taken in order to address issues pertaining to sensitive environments. It addresses National Environmental Policy Act (NEPA), cultural resources, and natural resources requirements. Since the entire installation is an NPL site, NEPA compliance will most likely be fulfilled through an Environmental Assessment (EA) or a full Environmental Impact Statement (EIS). Headquarters, Industrial Operations Command is planning to prepare an EIS. The environmental action plan outlines a possible NEPA compliance scenario that includes the following steps:

- Conduct complete property inventory to determine disposal/reuse alternatives and differentiate those parcels that are in one of the following categories:
  - Totally clean and saleable
  - Require varying degrees of remediation
  - Where no closure-related accessing will occur

- Conduct a detailed building inspection
- Determine the level of cleanliness needed prior to transfer
- Perform property signoff

Cultural resources issues are required to be addressed because of NEPA, National Historic Preservation Act (NHPA), Archaeological Resources Protection Act (ARPA), Native American Graves Protection Act (NAGPRA), and American Indian Religions Freedom Act (AIRFA). To fulfill the mandates of these laws, the following actions are required:

- Create a cultural resources management plan
- Develop NHPA 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

Natural resources issues that need to be addressed at the Seneca Army Depot Activity include: the Endangered Species Act; wetlands; migratory birds; the resident deer herd; a forest inventory; unique ecosystems; and impact(s) on the local environment (Headquarters, Seneca Army Depot Activity 1995). The following include recommendations made in the *BRAC 1995 Implementation Plan* (Headquarters, Seneca Army Depot Activity 1995).

- A formal survey for endangered or threatened species, both floral and faunal, has not been undertaken at the Seneca Army Depot Activity (Headquarters, Seneca Army Depot Activity 1995). However, no known federally-listed endangered or threatened species, designated endangered species, or critical habitats are known to occur in the Seneca Army Depot Activity area, although some species may occur as transients. A survey for endangered and threatened species is presently ongoing and is scheduled for completion in December 1996.

- A survey to define the wetlands at the Seneca Army Depot Activity has been completed and became available in July 1996. After the survey, issues that remain to be addressed include how wetlands will be managed, who will manage them, and whether all or portions should be retained at all after installation closure. The environmental action plan will need to address any potential conflicts affecting migratory bird populations that may frequent the Seneca Army Depot Activity's wetlands (Headquarters, Seneca Army Depot Activity 1995).

- 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 NYSDEC and U.S. Fish and Wildlife (Headquarters, Seneca Army Depot Activity 1995).

- A resident herd of white-tailed deer is of particular interest owing to the high frequency of a genetic trait that produces a white-coat color. At this time, the herd consists of about 225 with the white-coat color and about 300 brown deer. The white-coat condition probably occurs at the Seneca Army Depot Activity at this frequency because of the fence enclosure that surrounds the installation. If there was no fence, the herd would outbreed and the white-coat frequency would decrease. The presence of the fence requires the continual management of the herd, which has been shown to expand beyond the limited carrying capacity of the installation (Headquarters, Seneca Army Depot Activity 1995).

- A large portion of the Seneca Army Depot Activity is wooded and the timber is salable. A timber inventory has recently been completed, and there is no plan at present for harvesting (Headquarters, Seneca Army Depot Activity 1995).

- No unique ecosystems are known to exist at the Seneca Army Depot Activity (Headquarters, Seneca Army Depot Activity 1995).

4.0 INVESTIGATION RESULTS

This section describes the results of the EBS investigation. It discusses:

- Sources of potential contamination that have been addressed in prior reports
- Sources of potential contamination that have not been addressed by previous investigations
- Adjacent properties that may be potential sources of contamination to the installation property
- Areas containing contamination substances not regulated by CERCLA (non-CERCLA)
- Real property within the installation property that will be retained by the U.S. Army (reserve enclaves)

4.1 PREVIOUSLY IDENTIFIED SOURCES OF POTENTIAL CONTAMINATION

Seventy-two sites were classified as SWMUs in the final *Solid Waste Management Classification Study* completed in 1994 (Engineering Science, Inc. 1994c). Identification and classification of SWMUs was conducted by the U.S. Army in accordance with the decision process outlined in the Interagency Agreement (IAG) between the USACE, EPA, Region II, and NYSDEC. Twenty-four sites have been classified as No Action required; 20 as requiring Removal Action or Completion Report/Record of Decision; and 28 as requiring an RI/FS, Remedial Action, and ROD. The 28 sites requiring an RI/FS are divided into thirteen groups and RIs are final at two of these. One site is the Ash Landfill site (SEADs 3, 6, 8, 14, and 15) where the source area was decontaminated using low temperature thermal desorption. Additional work may be needed for the groundwater. The second site is the Open Burning Ground (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, Seneca Army Depot Activity 1995). The 72 recognized SWMUs are listed according to relative priority in Tables 4-1a through 4-1e (following Section Four). The priorities were determined in accordance with the IAG.

Numerous spills of petroleum products or hazardous materials and several LUSTs have been reported to NYSDEC and are listed in Section 2.1.2. Most of these involved small quantities of material and were quickly cleaned up. A single spill involving a very large quantity of material occurred in 1988. A leak of 3,500 gallons of fuel oil from the heating plant, Building 718, entered the North Depot STP (Building 715). The oil was contained in the STP 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).

A release of 1,900 gallons of fuel oil from a LUST occurred at Building 138 on November 19, 1992 (Case Number 9209672). The oil drained from the tank into the storm drain, then into a drainage ditch, and then into Kendaia Creek. The total length of the release covered about one mile. The incident was reported to NYSDEC and cleanup actions followed. The case is listed as closed in the database; however, a closure report was unavailable. Furthermore, an interview conducted during the 1995 EBS field investigation revealed that only 1,700 gallons of the product was recovered. For the purposes of this EBS, we are considering this case open.

4.2 POTENTIAL CONTAMINATION AREAS IDENTIFIED DURING THE EBS INVESTIGATION

Extensive environmental assessments have previously been conducted at the Seneca Army Depot Activity and are summarized in the preceding section. Because of this extensive work, most of the potential areas of contamination have already been identified. The following table summarizes additional areas identified during the 1995 EBS interviews and visual inspections. The BRAC Parcel Number and Label presented in this table correspond with those described in Section Five and illustrated on Figure 5-1.

Table 4-2
POTENTIAL CONTAMINATION AREAS

GEOGRAPHIC AREA	FACILITY	DESCRIPTION	SOURCE	BRAC PARCEL NUMBER AND LABEL
Coast Guard	LORAN-C	Halon spill	Interview	43(3)HR
Lake Housing	Building 2409	Raw sewage spill	Visual Inspection	54(6)HR(P)
Airfield	Skeet/Trap Range	Skeet/Trap Range	Interview, Visual Inspection	115 Q-X
Airfield	Building 2302	Small arms range	Visual Inspection, Interview	114 Q-X
Main Depot	"50 Area"	Dumping areas	Visual Inspection, Interview	57(6)PS/PR/HR
Main Depot	Near Ovid Road	Small arms range	Visual Inspection, Interview	119 Q-X
Warehouse	Building 325	PCB oil spill	Interview	77(6)PR/HR
South Depot	DRMO Yard	Release of hazardous materials	Interview	78(6)HS/HR
South Depot	Buildings 306 and 308	Release of hazardous materials	Visual Inspection, Interview	84(6)PS/PR(P)
South Depot	Building 127	UST with evidence of petroleum release	Visual Inspection	88(6)PS/PR
South Depot	Building 135	Stained soil in vehicle storage building	Visual Inspection, Interview	86(6)PR/HS/HR
Special Weapons	Buildings 813-817	Storage and release of paints and solvents, potential radionuclide release, unknown burial activities	Visual Inspection, Interview	98(6)PS/PR/HS/HR
North Depot	MP Service Station	Multiple petroleum releases	Visual Inspection, Interviews	99(6)PS/PR
North Depot	Building 744	Indoor firing range	Interview	125 Q-X
North Depot	Buildings 716 and 717	Petroleum release	Visual Inspection	102(6)PS/PR(P)
Main Depot	Near Building 2131	Possible DDT disposal	Interview	106(6)HR
Airfield	Near Building 2311	Connex with unknown contents	Visual Inspection	107(7)
Main Depot	South end of Main Depot Area	Munitions burial sites	Interview	116 Q-X 117 Q-X
Main Depot	Duck ponds area	Mounds with unknown contents	Visual Inspection	111(7) 112(7)
Special Weapons	Building 810	Unknown use and contents	Visual Inspection Denied	98(6)PS/PR/HS/HR
Special Weapons	Buildings 819, A0101, and A0102	Unknown use and contents	Visual Inspection Denied	98(6)PS/PR/HS/HR
North Depot	Building 747	Storage of acid and petroleum products, release of petroleum products and solvents	Interview	100(6)PS/PR/HS/HR
North Depot	Undeveloped area west of Building 715	Mounds with a rusty drum	Visual Inspection	113(7)
South Depot	Open Area	Rumored coal ash disposal area	Interview	137(7)
South Depot	Open Area	Rumored coal storage area	Interview	138(7)
North Depot	Open Area	Rumored DDT can burial area	Interview	139(7)
North Depot	Hill north of Post 3	Rumored drum burial area	Interview	140(7)

The U.S. Army has compiled a list of stories and rumors regarding past activities at the Seneca Army Depot Activity (Seneca Army Depot Activity 1995a). This list is informally referred to as

the "rumors list," and it contains 17 different entries. At the request of the BRAC Environmental Coordinator (BEC) and Geographic Project Manager (GPM), the Woodward-Clyde EBS investigation pursued these rumors during interviews involving current or past employees who may have knowledge of these past activities. After the interviews were completed, these rumors were analyzed in relation to any information that had been obtained. The original list of rumors is included as Appendix H. In summary, confirmation was found for eight of these rumors, no confirmation was found for five, and conflicting information was obtained for four. Subsequent visual inspections and confirmed locations led to the inclusion of fourteen of the rumors into the list of potential contamination areas listed in Table 4-2. Table 4-3 provides a breakdown of the results of the rumored sites investigation.

Table 4-3
RESULTS OF RUMOR INVESTIGATION

RUMOR NUMBER	INVESTIGATION RESULTS	BRAC PARCEL NUMBER AND LABEL
1	Rumor confirmed: two ammunition burial areas identified	116Q-X and 117Q-X
2	Rumor confirmed: fill materials included concrete, dirt, and shale	5(2)PS/HS
3	Conflicting information obtained: area possibly investigated as part of SEAD-7	3(1) and/or 113(7)
4	Conflicting information obtained: specific location not identified	—
5	Conflicting information obtained: area is part of SEAD-67	103(6)HR
6	Rumor confirmed: a potential location has been identified	38(7)
7	Rumor confirmed: solvents, paints, and acids dumped/buried east of Building 813	98(6)PS/PR/HS/HR
8	Rumor not confirmed: no interviewees had any direct knowledge of this activity; a potential location has been identified	140(7)
9	Rumor not confirmed: no interviewees had any direct knowledge of this activity; a potential location has been identified	139(7)
10	Aerial photographs revealed no evidence of a pond in the reported area	3(1)
11	Rumor not confirmed: no interviewees had any direct knowledge of this activity; a potential location has been identified	109(7)

Table 4-3
(Continued)

RUMOR NUMBER	INVESTIGATION RESULTS	BRAC PARCEL NUMBER AND LABEL
12	Rumor not confirmed: no interviewees had any direct knowledge of this activity; former staging area identified in aerial photograph	57(6)
13	Rumor confirmed regarding cleaning, but no indication of use of hazardous materials; no specific location identified	3(1)
14	Rumor confirmed: a potential location has been identified	137(7)
15	Rumor confirmed: visual inspection identified three areas where materials have been dumped	57(6)PS/PR/HR
16	Conflicting information obtained: interviews indicated that crushed shale was used for fill and that oils and solvents were disposed of in the area	78(6)HS/HR
17	Rumor confirmed: rumored area is part of No Action SWMU SEAD-51	3(1)

4.3 SOURCES OF POTENTIAL CONTAMINATION FROM ADJACENT OR SURROUNDING PROPERTY

The search of federal and state computerized databases revealed one site on the state priorities list (SPL), five RCRA generators within 0.25 mile to 1 mile from the Seneca Army Depot Activity, six LUSTs on the NYSDEC LUST database, and 14 sites with USTs registered on the NYSDEC Petroleum Bulk Storage UST database.

The site on the SPL is Sampson State Park, which is located adjacent to and southeast of the Seneca Army Depot Activity.

The five RCRA generators located near the Seneca Army Depot Activity are listed in Table 4-4. Their locations are shown on Figure 3-1 according to their corresponding map numbers.

Table 4-4
RCRA GENERATORS

DESCRIPTION		MAP NUMBER
Town of Varick, New York	Generates 100 kilograms per month (kg/mo) but less than 1,000 kg/mo of non-acutely hazardous waste.	6
Northside of White Road	Generates 100 kg/mo but less than 1,000 kg/mo of non-acutely hazardous waste.	10
Sampson State Park	Generates at least 1,000 kg/mo of non-acutely hazardous waste.	5
Service Station, Route 96A, Ovid	Generates at least 1,000 kg/mo of non-acutely hazardous waste.	7
Ronnie's Body Shop, Route 96, Ovid	Generates 100 kg/mo but less than 1,000 kg/mo of non-acutely hazardous waste.	7

Table 4-5 lists the 14 LUSTs that have been reported to be located within a 4-mile radius of the Seneca Army Depot Activity.

Table 4-5
LEAKING UNDERGROUND STORAGE TANKS

NAME	DISCOVERY DATE	SUBSTANCE	STATUS	GROUNDWATER GRADIENT RELATIONSHIP	MAP NUMBER
George Clark Residence	9/17/93	Petroleum	Case Closed/Cleanup Complete	Upgradient	2
Split Pine Farms	3/27/87	Diesel	Case Closed/Cleanup Complete	Crossgradient	4
Town of Varick	8/3/93	Diesel	Case Open	Downgradient	6
Sampson State Park	3/1/90	Gasoline	Case Closed/Cleanup Complete	Downgradient	5
Marsha and Willie Elmo	3/7/91	No. 2 Fuel Oil	Case Closed/Cleanup Complete	Upgradient	9
Willard Psychiatric Center	11/29/94	Gasoline	Case Open	Crossgradient	1
Willard Psychiatric Center	1/26/88	No. 2 Fuel Oil	Case Closed/Cleanup Complete	Crossgradient	1
Willard Psychiatric Center	3/23/95	Gasoline	Case Open	Crossgradient	1
Lamoreax/Quinn	11/19/87	Gasoline	Case Closed/Cleanup Complete	Upgradient	9
Donald Baker Residence	Unknown	Kerosene	Case Closed/Cleanup Complete	Unknown	8
Quick-N-Easy	Unknown	Unknown	Case Open	Crossgradient	7
Seneca County Highway Department	11/13/87	Gasoline	Case Closed/Cleanup Complete	Upgradient	AP-1
Howard's Mobile	12/23/87	Gasoline	Case Closed/Cleanup Complete	Crossgradient	7
Sunoco Service Station	Unknown	Gasoline	Case Closed/Cleanup Complete	Crossgradient	7

Based on these records, it appears that no LUSTs with ongoing investigations are located upgradient from the Seneca Army Depot Activity.

A visual inspection of adjacent properties resulted in the identification of three areas of possible contamination that could potentially affect the Seneca Army Depot Activity.

- The first is the Seneca County Highway Department yard, located in the town of Romulus, approximately 0.25 miles northeast of the Main Gate to the Seneca Army Depot Activity (Figure 3-1, AP-1). This county facility appears to be a heavy equipment and maintenance yard and shop. The property is approximately two acres in size and contains several buildings, including a large previously used AST that has been modified to hold roadway salt. This facility lies directly hydraulically upgradient from the Seneca Army Depot Activity and should be environmentally characterized for the potential of soil and groundwater contamination. Visual inspections revealed numerous USTs and ASTs in various states of neglect and disrepair. This area was photographed for documentary purposes.

- The second suspect adjacent property is a large AST (approximately 15 feet in diameter and 50 feet high) located about 500 feet due west of the intersection of West Kendaia Road and the West Patrol Road (Figure 3-1, AP-2). This tank has a large hole in the side, and a large visible stain of petroleum product was observed around the base. This area is located hydraulically upgradient from the Lake Housing Area.

- The third area, also discovered during a visual inspection, consists of farm trash that has been dumped down the slopes of a branch of Kendaia Creek (Figure 3-1, AP-3). Materials observed in this area included household refuse, 5-gallon buckets, and construction debris. The size of the dumping area is about 500 feet square and it is located hydraulically upgradient from the Lake Housing Area.

4.4 NON-CERCLA RELATED ENVIRONMENTAL, HAZARD, AND SAFETY ISSUES

The following summarizes the results of the records review pertaining to non-CERCLA contamination substances as well as any documented hazard or safety issues.

4.4.1 Asbestos-Containing Material

The Seneca Army Depot Activity has an asbestos management program that includes building surveys for asbestos in buildings and removal actions. Approximately 50 percent of the asbestos identified in the original surveys at the Seneca Army Depot Activity has been removed. Update/follow-up inspections of buildings that were not mothballed were scheduled to be performed at the end of fiscal year 1995. Results from these inspections were not available for this report as of December 1995.

4.4.1.1 Sources of Information

Information concerning the potential presence of asbestos in buildings on the site was available from the *Asbestos Management Plan Report* (Seneca Army Depot Activity *Asbestos Management Plan*), which summarized results from:

1. A 1988 survey of ACM in 144 buildings at the Seneca Army Depot Activity by Galson & Galson (the original report was also available [Galson & Galson 1988]);
2. A 1991 survey of 31 additional buildings by the Campbell Design Group;
3. As needed inspections of 180 housing units at the Seneca Army Depot Activity by depot personnel; and
4. Asbestos removal efforts at the Seneca Army Depot Activity.

4.4.1.2 Designation of Buildings

Designation of buildings at the Seneca Army Depot Activity was based on reported identification and/or removal of asbestos. If ACM was present but not fully remediated, the building was designated "A." If asbestos was never present or was identified and fully remediated, then the building was considered to be asbestos free and no designation was given. When asbestos was

suspect (based on inspection or on construction dates before 1985) and no remediation was performed, the building was designated "A(P)" for possible presence of asbestos. An asbestos abatement contract has been written, but had not been released at the time of the 1995 EBS.

It was not always possible to determine from statements in the *Asbestos Management Plan* whether full or partial remediation of asbestos had occurred in a building. Therefore, full remediation was assumed only when the *Asbestos Management Plan* (Seneca Army Depot Activity *Asbestos Management Plan*) stated "all identified asbestos-containing material (ACM) removed" for non-housing units and "all floor covering removed" for family housing units in Elliot Acres (the *Asbestos Management Plan* reported that only the floor covering in Elliot Acres contained asbestos); in other cases, partial remediation was assumed and the building was designated "A" for presence of asbestos.

4.4.1.3 Results

Information regarding the asbestos status for each building at the Seneca Army Depot Activity is presented in Appendix G. Of 457 buildings, asbestos is present and not fully remediated in 197 buildings (designated "A") and is possible (either suspected in the survey or not surveyed and constructed prior to 1985) and not remediated in 54 buildings (designated "A(P)"). The total area for buildings designated "A" and "A(P)" is 73.11 acres. Asbestos was known to be absent (either never present or present and fully remediated) in 205 buildings (no designation).

There are no asbestos-containing building materials in the 519 ammunition igloos.

4.4.2 Lead-Based Paint

The Seneca Army Depot Activity *BRAC 1995 Implementation Plan* (Headquarters, Seneca Army Depot Activity 1995) indicates that all housing units in Elliot Acres, Lake Housing, and "Colonels Row" will be inspected for LBP and that inspections of other buildings and structures will be performed at the depot's suggestion. However, no information on the status of LBP on buildings at the Seneca Army Depot Activity was available. Instead, potential for LBP was evaluated based on construction dates for buildings obtained from the Inventory of Military Real Property database (Seneca Army Depot Activity 1995b).

4.4.2.1 Designation of Buildings

Painted buildings constructed prior to 1978 were designated "L(P)" for potential LBP, whereas buildings constructed in or after 1977 were considered not to contain LBP and received no designation. LBP status was designated as "L(P)" for potential LBP in buildings with unknown construction dates.

4.4.2.2 Results

Information regarding LBP status for each building at the Seneca Army Depot Activity is presented in Appendix G. Of 456 buildings, LBP is possible in 365 buildings constructed before 1978 and for 4 buildings with unknown construction dates, and is presumed absent in 86 buildings constructed after 1977. The total area for buildings designated "L(P)" is 82.17 acres.

The 519 ammunition igloos were never painted and, therefore, do not constitute an LBP hazard.

4.4.3 Polychlorinated Biphenyls

The Seneca Army Depot Activity has a program for disposing of electrical equipment containing PCBs. Building 301, located in the Main Depot Area along Fayette Road, is the PCB Transformer Storage Facility. Decommissioned transformer units and other suspected PCB-contaminated electrical equipment are delivered to Building 301 by linemen. Sampling is conducted by the environmental coordinator to determine the concentrations of PCBs in the units and contaminated electrical equipment. The items are then disposed of by the DRMO. Transformers are stored in Building 301 for a maximum of seven months prior to disposal. It is not known to what extent the seven months policy was followed historically. This facility is a RCRA storage facility that will require closure.

There is no evidence of PCB releases from Building 301 based on regular inspections by the Seneca Army Depot Activity environmental coordinator. In addition, PCBs in soil samples in the vicinity of Building 301 were less than 1.0 milligrams per kilogram (mg/kg) and thus were below the regulatory limits established in EPA's PCB Spill Cleanup Policy (40 CFR 761). Therefore,

Building 301 is not CERCLA regulated, but is qualified with a "P" for storage of equipment with greater than 50 parts per million (ppm) PCBs in the absence of evidence of a PCB release. The area for Building 301 is 824 square feet. The qualified area for this parcel is 0.02 acres.

4.4.4 Radon

The Seneca Army Depot Activity *BRAC 1995 Implementation Plan* (Headquarters, Seneca Army Depot Activity 1995) states that all Class 1 and Class 2 structures (structures that have 24-hour occupancy, living quarters, or day care or children occupancy) were tested for radon and that testing of Class 3 structures (buildings with less than continual occupancy and warehouses) was due to be completed in 1995. Radon results from surveys of 303 buildings were available from the Seneca Army Depot Activity files (Seneca Army Depot Activity Radon Survey Results). Retesting of buildings exceeding mitigation levels was completed in May 1996.

4.4.4.1 Designation of Buildings

Buildings with radon levels of 4.0 pCi/L or greater were designated "R," while those with radon less than 4.0 pCi/L were below EPA recommended mitigation levels and received no designation. It should be noted that any buildings that were not tested did not receive any designation.

4.4.4.2 Results

Information regarding radon status for 303 buildings at the Seneca Army Depot Activity is presented in Appendix G. Retesting of these buildings in May 1996 revealed that only two remained above 4.0 pCi/L. The total area for these two buildings is 0.38 acres.

4.4.5 Unexploded Ordnance

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, Inc. 1994c), 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 names of buildings and areas; and
3. On-site interviews and visual inspections.

4.4.5.1 Designation of Buildings

Buildings and areas where UXO was stored or disposed are designated "X." 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)."

4.4.5.2 Results

The UXO status for each building or area at the Seneca Army Depot Activity is presented in Appendix G. Forty-two buildings, ten areas, and all 519 igloos were also designated "X(P)" for possible UXO stored for use or disposal. The total area is 1,303.24 acres.

4.4.6 Radionuclides

The Seneca Army Depot Activity currently stores radioactive material (radiation calibration sources) in Buildings 321 and 806 and mixed waste in Building 803 (Engineering Science, Inc. 1994c). Building 803 is presently empty. A single row of eleven storage igloos was used to store pitchblende ore (Parcel 49(5)HS/HR). This area is one of the currently recognized SWMUs (SEAD-48) and it covers about 72.79 acres. Each of these igloos and the surrounding area of land have been qualified for radionuclides. Three parcels in the North Depot Area have also been qualified for radionuclides. They correspond with BRAC Parcels 53(5)HR, 98(6)PS/HS/HR, and 103(6)HR.

A decommissioning survey was performed in 1992 and 1993 on 64 Special Weapons Area ammunition igloos (A0101, A0102, A0201 to A0218, A0301 to A0317, A0401 to A0409, A0501 to A0508, and A0601 to A0610) to confirm that the igloos have no radiation contamination and could be released for unrestricted use (Radiological Assistance Team, Seneca Army Depot Activity 1993). This survey was conducted because these igloos have been used for the storage of special weapons. No fixed or removable radiological contamination was found at the surveyed sites that

exceeded regulatory guidelines and requirements. At the request of the Seneca Army Depot Activity, these igloos will be qualified for radionuclides. Also at the installation's request, another 96 storage igloos located in the munitions storage area will be qualified for radionuclides. These are listed in Appendix G and Table 5-4. These buildings and four areas were qualified for radionuclides. The total area of buildings and parcels designated "RD" is 438.00 acres.

4.4.7 Pesticides, Herbicides, and Fungicide Usage

The Seneca Army Depot Activity has a herbicide/pesticide management program (Absolom 1994; Seneca Army Depot Activity 1994b). Herbicides and pesticides are stored for use at the Seneca Army Depot Activity in Building 606 (Parcel 74(6)PS/HS/HR). The area of Building 606 is 3,414 square feet. No qualified designation was given to non-CERCLA herbicide/pesticide areas at the Seneca Army Depot Activity (in this case, Building 606).

4.5 RESERVE ENCLAVES

Even though some areas have been identified in the *BRAC 1995 Implementation Plan* (Headquarters, Seneca Army Depot Activity 1995) as being likely to be retained by DOD, all areas within the Seneca Army Depot Activity cantonment were investigated for this EBS. Areas that have been identified as being likely to be retained include: six warehouses for future storage of hazardous materials (Buildings 339, 347, 348, 350, 356, and 357); 20 strategic materials ore storage piles; a single administrative building (Building 103); and 36 areas of known environmental contamination.

Table 4-1a
NO ACTION SOLID WASTE MANAGEMENT UNITS
SENECA ARMY DEPOT ACTIVITY, NEW YORK

SWMU NUMBER	SWMU DESCRIPTION	BRAC PARCEL NUMBER AND LABEL
SEAD-1	Building 307 - Hazardous Waste Container Storage Facility	19(3)HS/HR
SEAD-2	Building 301 - PCB Transformer Storage Facility	3-301Q-L(P)/P
SEAD-7	Shale Pit	3(1)
SEAD-10	Present Scrap Wood Site	3(1)
SEAD-18	Building 709 - Classified Document Incinerator	3(1)
SEAD-19	Building 801 - Classified Document Incinerator	3(1)
SEAD-20	Sewage Treatment Plant No. 4	94(6)HR
SEAD-21	Sewage Treatment Plant No. 715	136(4)PR
SEAD-22	Sewage Treatment Plant No. 314	3(1)
SEAD-29	Building 732 - Underground Waste Oil Tank	47(3)PS/PR/HS
SEAD-30	Building 118 - Underground Waste Oil Tank	24(3)PS/PR/HS
SEAD-31	Building 117 - Underground Waste Oil Tank	25(2)PS/HS
SEAD-35	Building 718 - Waste Oil-Burning Boilers (3 units)	101(6)PS/PR/HS/HR
SEAD-36	Building 121 - Waste Oil-Burning Boilers (2 units)	87(6)PS/PR/HR(P)
SEAD-37	Building 319 - Waste Oil-Burning Boilers (2 units)	50(5)PS/PR/HR(P)
SEAD-42	Building 106 - Preventive Medicine Laboratory	27(2)PS/HS
SEAD-47	Buildings 321 and 806 - Radiation Calibration Source Storage	3(1) and 98(6)PS/PR/HS/HR
SEAD-49	Building 356 - Columbite Ore Storage	45(3)HS/HR
SEAD-51	Herbicide Usage - Perimeter of High Security Area	3(1)
SEAD-53	Munitions Storage Igloos	3(1) and 49(5)HS/HR
SEAD-55	Building 357 - Tannin Storage	3(1)
SEAD-61	Building 718 - Underground Waste Oil Tank	101(6)PS/HR/HS/HR
SEAD-65	Acid Storage Areas	41(2)HS, 42(2)HS, 43(2)HS
SEAD-72	Building 803 - Mixed Waste Storage Facility	98(6)PS/PR/HS/HR

Note: No Action SWMUs are sites which likely pose no threat to the environment.

Table 4-1b
HIGH PRIORITY AREAS OF CONCERN
SENECA ARMY DEPOT ACTIVITY, NEW YORK

SWMU NUMBER	SWMU DESCRIPTION	BRAC PARCEL NUMBER AND LABEL
SEAD-3	Incinerator Cooling Water Pond	48(5)HR
SEAD-4	Munitions Washout Facility Leach Field	57(6)PS/PR/HR
SEAD-6	Abandoned Ash Landfill	48(5)HR
SEAD-8	Non-Combustible Fill Area	48(5)HR
SEAD-14	Refuse Burning Pits (2 units)	48(5)HR
SEAD-15	Building 2207 - Abandoned Solid Waste Incinerator	48(5)HR
SEAD-16	Building S-311 - Former Deactivation Furnace	82(6)PS/PR/HS/HR
SEAD-17	Building 367 - Existing Deactivation Furnace	80(6)PS/HR
SEAD-23	Open Burning Ground	104(6)PR/HS/HR
SEAD-24	Abandoned Powder Burning Pit	55(6)PR(P)/HR
SEAD-25	Fire Training and Demonstration Pad	79(6)HR
SEAD-26	Fire Training Pit	66(6)HR
SEAD-45	Demolition Area	104(6)PR/HS/HR

Notes: RI/FS currently underway at SEAD-3, SEAD-6, SEAD-8, SEAD-14, SEAD-15, and SEAD-23.

High priority AOCs are SWMUs for which a release of hazardous waste has been reported or a release is likely to have occurred.

Table 4-1c
MODERATE PRIORITY AREAS OF CONCERN
SENECA ARMY DEPOT ACTIVITY, NEW YORK

SWMU NUMBER	SWMU DESCRIPTION	BRAC NUMBER AND LABEL
SEAD-11	Old Construction Debris Landfill	57(6)PS/PR/HR
SEAD-13	Inhibited Red Fuming Nitric Acid (IRFNA) Disposal Site	96(6)HR and 97(6)HR
SEAD-57	Explosive Ordnance Disposal Area	104(6)PR/HS/HR

Note: Moderate Priority AOCs are SWMUs for which there is evidence or suspicion of waste disposal, but for which the types and/or the exact locations of the wastes have not necessarily been established, and for which further investigation is a moderate priority.

Table 4-1d
MODERATELY LOW PRIORITY AREAS OF CONCERN
SENECA ARMY DEPOT ACTIVITY, NEW YORK

SWMU NUMBER	SWMU DESCRIPTION	BRAC NUMBER AND LABEL
SEAD-5	Sewage Sludge Waste Piles	81(6)HS/HR
SEAD-9	Old Scrap Wood Site	90(6)PR(P)/HR
SEAD-12	Radioactive Waste Burial Sites	53(5)HR and 98(6)PS/PR/HS/HR
SEAD-43	Building 606 - Old Missile Propellant Test Laboratory (refer to SEAD-56)	63(6)PS/HS/HR
SEAD-44	Quality Assurance Test Laboratory Location A: West of Building 616 Location B: Brady Road	 60(6)HR 61(6)HR
SEAD-50	Tank Farm (refer to SEAD-54)	72(6)HS/HR
SEAD-54	Asbestos Storage	72(6)HS/HR
SEAD-56	Building 606 - Herbicide and Pesticide Storage (refer to SEAD-43)	63(6)PS/HS/HR
SEAD-58	Debris Area Near Booster Station 2131	106(6)HR
SEAD-59	Fill Area West of Building 135	85(6)PR/HR
SEAD-69	Building 606 - Disposal Area	63(6)PS/HS/HR

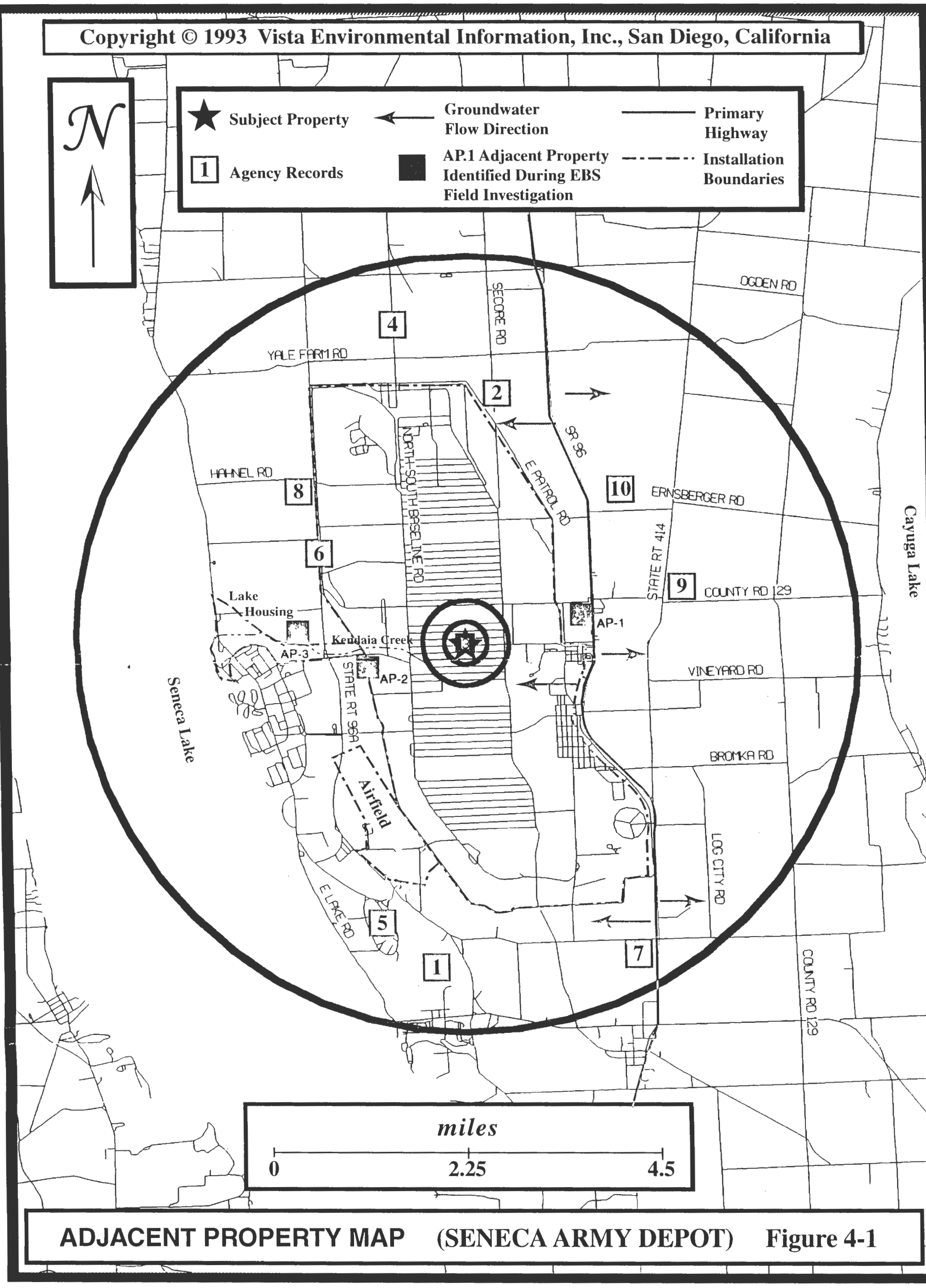
Notes: SEAD-43, SEAD-56, and SEAD-69 are included as one AOC for the SI program.
SEAD-50 and SEAD-54 are included as one AOC for the SI program.

Moderately Low Priority AOCs are SWMUs for which there is evidence or suspicion of waste disposal, but for which the types and/or the exact locations of the wastes have not necessarily been established, and for which further investigation is a moderately low priority.

Table 4-1e
LOW PRIORITY AREAS OF CONCERN
SENECA ARMY DEPOT ACTIVITY, NEW YORK

SWMU NUMBER	SWMU DESCRIPTION	PARCEL NUMBER AND LABEL
SEAD-27	Building 360 - Steam Cleaning Waste Tanks	51(5)PS/PR/HS/HR(P)
SEAD-28	Building 360 - Underground Waste Oil Tanks	51(5)PS/PR/HS/HR(P)
SEAD-32	Building 718 - Underground Waste Oil Tanks	101(6)PS/PR/HS/HR
SEAD-33	Building 121 - Underground Waste Oil Tanks	87(6)PS/PR/HR(P)
SEAD-34	Building 319 - Underground Waste Oil Tanks	50(5)PS/PR/HR(P)
SEAD-38	Building 2079 - Boiler Plant Blowdown Leach Pit	57(6)PS/PR/HR
SEAD-39	Building 121 - Boiler Plant Blowdown Leach Pit	87(6)PS/PR/HR(P)
SEAD-40	Building 319 - Boiler Plant Blowdown Leach Pit	50(5)PS/PR/HR(P)
SEAD-41	Building 718 - Boiler Plant Blowdown Leach Pit	101(6)PS/PR/HS/HR
SEAD-46	Small Arms Range	122Q-X
SEAD-48	Pitch Blend Storage Igloos	48(5)HS/HR
SEAD-52	Buildings 608 and 612 - Ammunition Breakdown Area	59(6)PS/PR/HR
SEAD-60	Oil Discharge Adjacent to Building 609	59(6)PS/PR/HR
SEAD-62	Nicotine Sulfate Disposal Area near Buildings 606 or 612	62(6)HR(P)
SEAD-63	Miscellaneous Components Burial Site	103(6)HR
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	 64(6)HR 58(6)HR 3(1) 48(5)HR
SEAD-66	Pesticide Storage Near Buildings 5 and 6	92(6)HS/HR(P)
SEAD-67	Dump Site East of Sewage Treatment Plant No. 4	94(6)HR
SEAD-68	Building S-335 - Oil Pest Control Shop	108(7)HS(P)/HR(P)
SEAD-70	Building 2110 - Fill Area	104(6)PR/HS/HR
SEAD-71	Alleged Paint Disposal Area	89(6)HR

Note: Low Priority AOCs are SWMUs for which there is evidence or suspicion of waste disposal, but for which the types and/or the exact locations of the wastes have not necessarily been established, and for which further investigation is a low priority.



ADJACENT PROPERTY MAP (SENECA ARMY DEPOT) Figure 4-1

460.3 -MapQuark

5.0 ENVIRONMENTAL CONDITION OF THE PROPERTY AREA

This section presents the parcelization of the BRAC property in accordance with the criteria described in the CERFA guidance and the DOD *BCP Guidebook* (DOD 1993).

5.1 PARCEL DESIGNATIONS

Based on a review of installation documents; federal, state, and local records; and a site visit including employee interviews and visual inspections of the property and facilities, Woodward-Clyde divided the Seneca Army Depot Activity installation into BRAC parcels that represent the environmental condition of the property area. The BRAC parcels and corresponding categorizations are identified in Table 5-1a (following Section Five) and on the CERFA map, Figure 5-1. Areas containing non-CERCLA contamination substances are identified and delineated separately as qualified parcels and are presented in Table 5-1b (following Section Five). Qualified parcels overlay all environmental condition of the property categories (Categories 1 through 7). Parcels are labeled as described in Section 1.3. A 25-acre grid coordinate system is overlaid on the CERFA map to facilitate the parcelization discussion by geographically locating the various parcels.

Parcel boundaries are drawn using the best available information on the extent of contamination and do not follow map grid lines. Small point sources of contamination or storage, such as USTs, were delineated by circular 0.25-acre parcels centered on the source, as stipulated in DOD guidance. For consistency and to facilitate the summation of acreages, parcel acreages were calculated to two decimal places using the digitized map (Figure 5-1) and AutoCad Release 12. This method is not meant to imply an accuracy to one one-hundredth of an acre.

5.1.1 Category 1 Parcels

Woodward-Clyde's survey and subsequent parcelization of the Seneca Army Depot Activity identified four parcels, approximately 8,555 acres, as Category 1 parcels. The Category 1 parcels and locations on Figure 5-1 are described in the following sections.

BRAC Parcel Number and Label 1(1)

CERFA Map Location 18,6

This parcel is associated with 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 associated with 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 associated with 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 associated with 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.

5.1.2 Category 2 Parcels

Of the 10,634 acres that comprise the Seneca Army Depot Activity BRAC property, 30 parcels, approximately 111 acres, were designated as Category 2. The Category 2 parcels are identified on Figure 5-1 and summarized in the following sections.

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

This parcel is associated with 26 petroleum USTs and 34 ASTs located at the Lake Housing Area (Buildings 2401 to 2422, 2423 to 2439, 2441, 2443 to 2451, 2453 to 2456, 2466, 2470 to 2502, 2504 to 2505, 2507, 2508, 2510 to 2521, 2523 to 2524) and hazardous storage at Building 2456. Table 5-2 summarizes the USTs and ASTs associated with this parcel.

Table 5-2
USTs and ASTs ASSOCIATED WITH
BRAC PARCEL NUMBER AND LABEL 5(2)PS/HR

TANK SIZE AND TYPE	STATE REGISTRATION NUMBER	STATUS
550-gallon fuel oil USTs	141 to 144, 146 to 156, 158 to 164, and 166	In service since 1942
275-gallon fuel oil ASTs	3, 14, 22, 27, 54, 60, 63, 67, 173, 186, 189, 191 to 193, 199, 204 to 209, and 216 to 224	In service since 1988
1,000-gallon fuel oil UST	71	In service since 1981
Two 275-gallon fuel oil ASTs	72	In service since 1942
2,000-gallon fuel oil AST	73	In service since 1992
Two 275-gallon fuel oil ASTs	145	In service since 1991
500-gallon fuel oil UST	157	In service since 1986
550-gallon gasoline AST	174	In service since 1991
1,500-gallon fuel oil UST	184	Closed in place with NYSDEC approval

There have been no documented releases associated with these USTs or ASTs. Building 2456 is a boat house 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 Category 2.

BRAC Parcel Number and Label 7(2)PS

CERFA Map Location 28,10

This parcel is associated with a UST located at Building 2306. This UST (SRN 70) 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 is 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 is 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. There has been no documented release associated with the AST. This parcel is designated as Category 2.

BRAC Parcel Number and Label 11(2)HS

CERFA Map Location 24,22

This parcel is associated with 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 is designated as Category 2.

BRAC Parcel Number and Label 12(2)HS

CERFA Map Location 24,22

This parcel is associated with 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 is designated as Category 2.

BRAC Parcel Number and Label 15(2)HS

CERFA Map Location 22,22

This parcel is associated with 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 is designated as Category 2.

BRAC Parcel Number and Label 16(2)HS

CERFA Map Location 22,23

This parcel is associated with Building 343, 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 is designated as Category 2.

BRAC Parcel Number and Label 18(2)HS

CERFA Map Location 21,22

This parcel is associated with 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 is 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 is 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 5 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 (SRNs 125 and 135) are 1,000-gallon fuel oil USTs. Four tanks (SRNs 82 to 85) are 275-gallon fuel oil ASTs. One (SRN 90) is a 500-gallon fuel oil AST. 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 is designated as Category 2.

BRAC Parcel Number and Label 22(2)PS

CERFA Map Location 19,23

This parcel is associated with a petroleum UST located at Building 101 (SRN 6). This UST is used to store 3,000 gallons of fuel oil and has been in service since 1942. There has been no documented release associated with this UST. This parcel is 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 is 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 is designated as Category 2.

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 is 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 UST located at Building 106A (SRN 9). Medical waste materials have been stored in this facility in appropriate biohazard containers. This UST is used to store 5,000 gallons of fuel oil. 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 is 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 AST is used to store 2,000 gallons of fuel oil. There has been no documented release associated with this UST. This parcel is designated as Category 2.

BRAC Parcel Number and Label 31(2)PS/HS

CERFA Map Location 20,21

This parcel contains Building 312, an inflammable 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 is 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 is 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 is 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 is designated as Category 2.

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 is 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 is 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 have been in service since 1990 but 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 is 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 is 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 is designated as Category 2.

BRAC Parcel Number and Label 41(2)HS

CERFA Map Location 14,9

This parcel is associated with 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 is designated as Category 2.

BRAC Parcel Number and Label 42(2)HS

CERFA Map Location 14,9

This parcel is associated with 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 is designated as Category 2.

BRAC Parcel Number and Label 43(2)HS

CERFA Map Location 14,9

This parcel is associated with 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 is designated as Category 2.

5.1.3 Category 3 Parcels

Of the 10,634 acres that comprise the Seneca Army Depot Activity BRAC property, ten parcels, approximately 21 acres, were designated as Category 3. The Category 3 parcels are identified on Figure 5-1 and are summarized in the following sections.

BRAC Parcel Number and Label 13(3)HS/HR

CERFA Map Location 23,22

This parcel is associated with 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. In 1993, five gallons of an unspecified hazardous substance were spilled inside of this building. The spill was cleaned up, and the case is closed (NYSDEC Identification Number 9306000). There have been no other documented releases associated with this building. This parcel is designated as Category 3.

BRAC Parcel Number and Label 14(3)HS/HR

CERFA Map Location 22,22

First army

This parcel is associated with 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. In 1992, three gallons of an unspecified hazardous substance was spilled inside this building. The spill was cleaned up, and the case is closed (NYSDEC Identification Number 9208729). There have been no other documented releases associated with this building. This parcel is designated as Category 3.

BRAC Parcel Number and Label 17(3)HS/HR

CERFA Map Location 22,22

This parcel is associated with Building 323, a warehouse. Visual inspections and interviews conducted during the 1995 EBS indicated that pesticides, soda ash, and antifreeze have been stored in this building. In 1992, three gallons of an unspecified hazardous substance were spilled inside this building. The spill was cleaned up, and the case is closed (NYSDEC Identification Number 9112897). This parcel is designated as Category 3.

BRAC Parcel Number and Label 19(3)HS/HR

CERFA Map Location 21,22

This parcel is associated with 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. In 1991, 45 gallons of an unspecified hazardous substance were spilled inside this building. The spill was cleaned up, and the case is closed (NYSDEC Identification Number 9100990). 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 is designated as Category 3.

BRAC Parcel Number and Label 24(3)PS/PR/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. In 1992, two gallons of diesel fuel were spilled inside Building 118. The spill was cleaned up, and the case is closed (NYSDEC Identification Number 9204312). 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 is designated as Category 3.

BRAC Parcel Number and Label 29(3)PS/PR

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. In 1994, a 15-gallon release from this tank was reported because of mechanical failure. The spill was cleaned up, and the case is closed (NYSDEC Identification Number 9402116). This parcel is designated as Category 3.

BRAC Parcel Number and Label 44(3)PR/HR

CERFA Map Location 29,26

This parcel is associated with the LORAN-C building. Interviews revealed that in 1995 there was a 100-pound accidental 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. In 1991, an unknown quantity of diesel fuel was released at this facility. The spill was cleaned up, and the case is closed (NYSDEC Identification Number 9306216). This parcel is designated as Category 3.

BRAC Parcel Number and Label 45(3)HS/HR

CERFA Map Location 27,25

This parcel is associated with 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 a 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 three gallons of DS-2 was reported to the NYSDEC (Spill No. 9503157). The other two spills involved two 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 is designated as Category 3.

BRAC Parcel Number and Label 46(3)HR

CERFA Map Location 18,21

This parcel is associated with 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 under CERCLA. This parcel is 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 is designated as Category 3.

BRAC Parcel Number and Label 129(3)HR

CERFA Map Location 19,2

This parcel is associated with an area adjacent to Building 2438, located in the Lake Housing Area. In 1993, a release of 500 gallons of sewage occurred because of a mechanical failure. The spill was cleaned up, and the case is closed. (NYSDEC Identification Number 9213269). This parcel has been designated as Category 3.

BRAC Parcel Number and Label 130(3)PR/HR(P)

CERFA Map Location 24,23

This parcel is associated with Building 349, a warehouse. Three spills involving fuel oil, non-PCB oil, and an unknown substance, have been reported to have occurred inside this building The spills were cleaned up, and the cases are closed (see Table 2.3 for details). This parcel has been designated as Category 3.

BRAC Parcel Number and Label 131(3)PS/PR/HS/HR

CERFA Map Location 27,25

This parcel is associated with Building 357, a warehouse. At the time of the EBS site inspection, this building was not being used for hazardous storage. However, various types of hazardous materials were stored in this building in the past. Five spills involving small quantities (5 gallons or less) of unspecified hazardous materials have been reported to have occurred inside this building. The spills were all cleaned up, and the cases are closed (see Table 2-3 for identification numbers). In 1987, a leak of 75 gallons of fuel oil was reported at this building. The release was cleaned up, and the case is closed (NYSDEC Identification Number 8708149). This parcel has been designated as Category 5.

BRAC Parcel Number and Label 132(3)PR/HR(P)

CERFA Map Location 18,17

In 1992, a small spill of "waste oil" reportedly occurred near storage igloo C509. This incident involved motor oil and hydraulic fluid released from a tractor that overturned while mowing in this area. The spill was cleaned up, and the case is closed (NYSDEC Identification Number 9206638). This parcel has been designated as Category 3.

5.1.4 Category 4 Parcels

Of the 10,634 acres that comprise the Seneca Army Depot Activity BRAC property, four parcels, approximately two acres, were designated as Category 4. The Category 4 parcels are identified on Figure 5-1 and are summarized in the following sections.

BRAC Parcel Number and Label 6(4)PS/PR

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 JP8 and has been in service since 1990. A visual JP8 inspection of the area did not reveal any evidence of contamination. In 1988, this tank was reported as leaking; an unknown quantity of jet fuel was released. All necessary remedial actions have been taken, and the case is closed (NYSDEC Identification Number 9402116). This parcel is designated as Category 4.

BRAC Parcel Number and Label 8(4)PS/PR

CERFA Map Location 28,10

This parcel is associated with reported spills and 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. In 1987, this tank was listed as a LUST. Reportedly an unknown quantity of No. 2 fuel oil was released. All necessary remedial actions have been taken and the case is closed (NYSDEC Identification Number 9011429). Two spills were reported at or near Building 2305. These have a two-gallon release of non-PCB oil that was related to an automobile accident (NYSDEC Identification Number 9411405) and a twenty-five gallon release of fuel oil from an overfilled tank (NYSDEC Identification 9011429). This parcel is designated as Category 4.

BRAC Parcel Number and Label 37(4)PS/PR

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. In 1989, this UST was reported as leaking; an unknown quantity of fuel oil was released. All necessary remedial actions were taken; and the case is closed (NYSDEC Identification Number 8907242). This parcel is designated as Category 4.

BRAC Parcel Number and Label 133(4)PS/PR

CERFA Map Location 19,2

In 1992, a leach was reported involving an unknown quantity of fuel from an AST near Building 2452, located in the Lake Housing Area. All necessary remedial actions were taken, and the case is closed (NYSDEC Identification Number 9204266). This parcel has been designated as Category 4.

BRAC Parcel Number and Label 134(4)PS/PR

CERFA Map Location 2,14

In 1992, a leak was reported involving seven gallons of fuel oil from an AST near Building 752, located in the North Depot Area. All necessary remedial actions were taken, and the case is closed (NYSDEC Identification Number 9207220). This parcel has been designated as Category 4.

BRAC Parcel Number and Label 135(4)PS/PR

CERFA Map Location 19,23

In 1990, a leak was reported involving an unknown quantity of fuel oil from an AST near Building 212 in the Elliot Acres Housing Area. All necessary remedial actions were taken, and the case is closed (NYSDEC Identification Number 8910053). This parcel has been designated as Category 4.

BRAC Parcel Number and Label 136(4)PR

CERFA Map Location 2,11

This parcel is associated with Building 715, a sewage treatment plant. In 1987, a fuel line ruptured inside of Building 718, a boiler plant. The fuel oil entered the sewage system and traveled to Building 715 where it was contained in the secondary sewage treatment facility. The release was cleaned up, and the case is closed (NYSDEC Identification Number 8910830). This parcel has been designated as Category 4.

5.1.5 Category 5 Parcels

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 5-1 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 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 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 is 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 while 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 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 is 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 hydrocarbon (TPH) in two soil samples. In 1994, a LUST were reported at this location; 40 gallons of gasoline were released. The spill was cleaned up, and the case is closed (NYSDEC Identification Number 9402630). This SWMU is classified as a Low Priority AOC, and an RI/FS of this SWMU is scheduled.

In 1994, 40 gallons of fuel oil were released in this area. The spill was cleaned up, and the case is closed (NYSDEC Identification Number 9402630). In 1992, 30 gallons of fuel oil were

released in this area. The spill was cleaned up, and the case is closed (NYSDEC Identification Number 9111882).

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 No. 6 fuel oil mixture from 1982 to 1989 and are still functional. This SWMU is classified as a No Action SWMU under CERCLA.

This parcel is 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) had a 2,005-gallon capacity and had been used since 1981 to provide a fuel supplement to boilers. SRN 206 was found to contain water in 1993 and was subsequently removed. SRN 26 was unused and 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) Workplan 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 is 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 one 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 is 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 radioactive burial. 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. indicated that fill material sampled at this location has been contaminated by heavy metals. This SWMU is classified as a Moderately Low AOC, and an RI/FS has been recommended by Engineering Science, Inc. This parcel is designated as Category 5.

5.1.6 Category 6 Parcels

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 5-1 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 is 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 is designated as Category 5.

BRAC Parcel Number and Label 56(6)PR
CERFA Map Location 29,12

This parcel is the site of an aviation fuel 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. Records indicate that two other spills of aviation fuel also

occurred at this location. These spills were cleaned up, and these cases are closed (see Table 2-3 for details). This parcel is 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 and has been in service since 1988. No evidence of a release from this tank was found. In 1993, a leak of an unknown quantity of fuel oil was reported at Building 2079. The release was cleaned up, and the case is closed (NYSDEC Identification Number 9307375).

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. In 1992, 15 gallons of fuel oil were spilled at Building 2073. The spill was cleaned up, and the case is closed (NYSDEC Identification Number 9209232).

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 had steel drums (SMK-44), and one is believed to be a former railroad dump containing railroad ties and scrap metal (SMK-46). An aerial photograph from circa 1941 showed a construction staging area located within this parcel.

This parcel is 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 is 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 Workplan 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 PAHs, heavy metals, and (to a lesser extent) PCB compounds in the surface soils. Semi-volatile organic compounds (SVOCs) and TPH were found in sediment samples taken downslope 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 was a 3,000-gallon UST that had been in service since 1954. This tank was removed in August 1996 and will be replaced by a 3,000-gallon AST in October 1996. The SRN will remain as 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 is designated as Category 6.

BRAC Parcel Number and Label 60(6)HR

CERFA Map Location 32,23

This parcel is associated with 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. indicate 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 is designated as Category 6.

BRAC Parcel Number and Label 61(6)HR

CERFA Map Location 30,22

This parcel is associated with 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 is designated as Category 6.

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

CERFA Map Location 31,23

This parcel is associated with 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 had 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 is 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 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 (SRN 33) was located at Building 606. This UST was installed in 1956 and it was removed in August 1996. This tank will not be replaced and its SRN has been reassigned. 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. indicated 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 levels (TAGMs) or exceeded their respective TAGMs by less than a factor of three. According to the ESI report (Engineering Science, Inc. 1995a), 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 by Engineering Science, Inc. This parcel is designated as Category 6.

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 is 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. 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 will be required that specifically includes removal of the ore. This parcel is designated as Category 6.

BRAC Parcel Number and Label 66(6)HR

CERFA Map Location 26,22

This parcel is associated with 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. indicated 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 is designated as Category 6.

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. 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 will be required that specifically includes removal of the ore. This parcel is 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. 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 will be required that specifically includes removal of the ore. This parcel is 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. 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 will be required that specifically includes removal of the ore. This parcel is 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. 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 will be required that specifically includes removal of the ore. This parcel is designated as Category 6.

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. 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 will be required that specifically includes removal of the ore. This parcel is designated as Category 6.

BRAC Parcel Number and Label 72(6)HS/HR

CERFA Map Location 25,24

This parcel is associated with 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 (Engineering Science, Inc. 1995a). 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 is 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. 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 will be required that specifically includes removal of the ore. This parcel is 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. 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 will be required that specifically includes removal of the ore. This parcel is 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. 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 will be required that specifically includes removal of the ore. This parcel is 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. 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 will be required that specifically includes removal of the ore. This parcel is designated as Category 6.

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

CERFA Map Location 22,22

This parcel is associated with 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 spilled 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 is designated as Category 6.

BRAC Parcel Number and Label 78(6)HS/HR

CERFA Map Location 21,21

This parcel is associated with the 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 associated with 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 BTEX compounds 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 is 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. indicated 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 is 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 AOC, and an RI/FS has been recommended by Engineering Science, Inc. This parcel is designated as Category 6.

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

CERFA Map Location 19,21

This parcel consists of a deactivation furnace located at Building S-311, a previously reported 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. indicated 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 (NYSDEC Identification Number 9307284).

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.

This parcel is 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. 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 will be required that specifically includes removal of the ore. This parcel is designated as Category 6.

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 is designated as Category 6.

BRAC Parcel Number and Label 85(6)PR/HR

CERFA Map Location 19,21

This parcel is associated with 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 is 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 is 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 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 No. 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 under CERCLA 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 is 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. It 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 is designated as Category 6.

BRAC Parcel Number and Label 89(6)HR

CERFA Map Location 18,22

This parcel is associated with 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 RI/FS has been recommended by Engineering Science, Inc. This parcel is designated as Category 6.

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. indicated 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 is 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. 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 will be required that specifically includes removal of the ore. This parcel is 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 TAGMs. This SWMU has been classified as a Low Priority AOC, and an RI/FS Scoping Plan is being developed. This parcel is 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. 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 will be required that specifically includes removal of the ore. This parcel is 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 NYDES permit. This SWMU was classified as a No Action SWMU under CERCLA 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 predominately 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 is 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. 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 will be required that specifically includes removal of the ore. This parcel is designated as Category 6.

BRAC Parcel Number and Label 96(6)HR(P)

CERFA Map Location 11,19

This parcel is associated with 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 is designated as Category 6.

BRAC Parcel Number and Label 97(6)HR(P)

CERFA Map Location 11,20

This parcel is associated with 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 is designated as Category 6.

BRAC Parcel Number and Label 98(6)PS/PR/HS/HR

CERFA Map Location 4,17

This parcel is associated with Buildings 801, 802, 803, 804, 805, 806, 807, 810, 813, 814, 815, 816, 817 and 819, and storage igloos A0101 and A0102. It also includes three of the previously recognized SWMUs (SEAD-72, SEAD-12B, and SEAD-19). Building 803 (SEAD-72) is a mixed waste storage building that at one time was used to store classified materials. Floor drains are 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 under CERCLA.

SEAD-12B consists of Building 804 and 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 has been no impacts to soils at this location, the groundwater has been impacted by the release of radionuclides. Building 805 is included in the SWMU because it has the potential to have residual radioactive contamination.

This SWMU has been classified as a Moderately Low Priority AOC, and an RI/FS has been recommended by Engineering Science, Inc.

In 1989, an unknown quantity of fuel oil was released from a tank at Building 806. All necessary remedial actions have been taken, and the case is closed (NYSDEC Identification Number 8907722). In 1991, seven gallons of gasoline were released from a tank at Building 807. The release was cleaned up, and the case is closed (NYSDEC Identification Number 9412037).

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 under CERCLA.

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 or not any 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 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 was a 3,000-gallon UST that had been in service since 1957. This tank was removed and replaced with a 1,000-gallon AST (SRN 26) in August 1996. SRN 182 is a 10,000-gallon UST 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 Workplan that is currently under regulatory review has been prepared for this parcel by Engineering Science, Inc. This parcel is 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 is 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. In 1992, 10 gallons of fuel oil were reportedly spilled at this building. The spill was cleaned up, and the case is closed (NYSDEC Identification Number 9207312). This parcel is 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, including a 3000-gallon fuel oil release that was reported in 1987 (NYSDEC Identification Number 8910830).

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.

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

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.

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 under CERCLA.

Two other fuel oil USTs are associated with Building 718. SRN 194 has a 40,000-gallon capacity and has been in place since 1956. 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.

In 1994, 3 ounces of an unspecified hazardous material were released inside of Building 718. The spill was cleaned up, and the case is closed (NYSDEC Identification Number 9313511).

This parcel is designated as Category 6.

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 is 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 is 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 was in use from 1941 to 1994. Large, obsolete, and unserviceable ammunition and components were destroyed here by detonation. An ESI conducted at this locality 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 by 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 RI/FS has been recommended by Engineering Science, Inc.

In 1994, 530 pounds of an unknown substance were reportedly spilled at the Open Burning Grounds. The spill was cleaned up, and the case is closed (NYSDEC Identification Number 9400993). In 1993, 80 gallons of diesel fuel were reportedly spilled at the Open Detonation Grounds. The spill was cleaned up, and the case is closed (NYSDEC Identification Number 9213247). In 1994, a fuel oil tank at the Open Detonation Grounds was reported as leaking; 100 gallons of fuel oil were released. All necessary remedial actions were taken, and the case is closed (NYSDEC Identification Number 9400104).

In 1995, 100 gallons of diesel fuel were released at Building 2134 because of a mechanical failure. The spill was cleaned up, and the case is closed (NYSDEC Identification Number 9413197).

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. indicated 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 RI/FS 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. indicated 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 is designated as Category 6.

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. 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 will be required that specifically includes removal of the ore. This parcel is 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 is designated as Category 6.

5.1.7 Category 7 Parcels

Of the 10,634 acres that comprise Seneca Army Depot Activity BRAC property, 11 parcels, approximately 12 acres, are designated as Category 7. The Category 7 parcels are identified on Figure 5-1 and are summarized in the following sections.

BRAC Parcel Number and Label 107(7)

CERFA Map Location 30,10

This parcel is associated with a vented connex near Building 2311 at the Airfield. This connex was observed during the 1995 EBS visual inspection. The contents of this connex are unknown and, therefore, an accurate category designation could not be determined. This parcel is 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 Seneca Army Depot Activity agrees. This SWMU has been classified as a Low Priority AOC, and an RI/FS Scoping Plan is being developed. This parcel is 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 is designated as Category 7.

BRAC Parcel Number and Label 110(7)

CERFA Map Location 11,21

This parcel is associated with 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 is designated as Category 7.

BRAC Parcel Number and Label 111(7)

CERFA Map Location 3,17

This parcel is associated with 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 is designated as Category 7.

BRAC Parcel Number and Label 112(7)

CERFA Map Location 2,17

This parcel is associated with 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 is 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 is designated as Category 7.

BRAC Parcel Number and Label 137(7)

CERFA Map Location 19,22

This parcel is associated with an area where it has been rumored that coal ash was disposed. Although corroboration of this activity was not found, the U.S. Army has agreed to conduct limited sampling in this area. This parcel has been designated as Category 7.

BRAC Parcel Number and Label 138(7)

CERFA Map Location 19,22

This parcel is associated with an area that was used for outdoor coal storage. This activity and location have been confirmed, and the U.S. Army has agreed to conduct limited sampling in this area. This parcel has been designated as Category 7.

BRAC Parcel Number and Label 139(7)

CERFA Map Location 2,14

This parcel is associated with an area where it has been rumored that empty DDT cans were disposed. Although corroboration of this activity was not found, the U.S. Army has agreed to conduct a geophysical study in this area and, if warranted, limited sampling. This parcel has been designated as Category 7.

BRAC Parcel Number and Label 140(7)

CERFA Map Location 2,12

This parcel is associated with a hill located north of Post 3 it has been rumored that drains were disposed. Although corroboration of this activity was not found, the U.S. Army has agreed to conduct a geophysical study in this area and, if warranted by the results of the geophysical study, limited sampling. This parcel has been designated as Category 7.

5.1.8 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. Where buildings had been surveyed, and ACM was identified, then these buildings were designated with "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. Where buildings had been surveyed, and LBP was identified as being present, then these buildings 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. PCBs in soil from leaking equipment is considered a CERCLA issue, while non-leaking, out-of-service equipment with greater than 50 ppm PCBs qualified the parcel with the designation "P."

- Buildings with radon levels of 4.0 pCi/L or greater were designated "R," while those with radon less than 4.0 pCi/L were below mitigation levels and received no designation. Buildings for which there has been no radon survey 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." Also, 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 are identified as qualified parcels as described in Table 5-1b. On the CERFA map, Figure 5-1, qualified buildings are keyed by building numbers, and areas of land that are qualified are shown with a unique qualified parcel label. Tables 5-3 and 5-4 (following Section Five) elaborate upon potential UXO and radionuclide hazards identified at the Seneca Army Depot Activity. 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)Q-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 115Q-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 116Q-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.

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 accurate 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 associated with a small arms range that was used for testing firing tracers and 3.5-inch rockets. This area corresponds with one of the previously identified SWMUs (SEAD-46). This SWMU was classified as a Low Priority AOC, and a RI/FS Scoping Plan is being developed by Engineering Science, Inc.

BRAC Parcel Number and Label 123Q-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 124Q-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 125Q-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 126Q-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 127Q-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.

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.

Table 3-1a
BRAC PARCEL DESCRIPTIONS
SENECA ARMY DEPOT ACTIVITY, NEW YORK

BRAC PARCEL NUMBER AND LABEL[a]	LOCATION (X,Y COORDINATES)	APPROXIMATE SIZE (ACRES)[b]	GEOGRAPHIC AREA	ENVIRONMENTAL CONDITION CATEGORY NUMBER	BASIS (SWMU NO.)	EBS SOURCE OF EVIDENCE[c]	REMEDIATION/ MITIGATION
1(1)	18,6	189.10	Lake Housing Area	1	No record of storage, disposal, release, or migration	Visual Inspection, Interview	None required
2(1)	26,10	494.71	Airfield Area	1	No record of storage, disposal, release, or migration	Visual Inspection, Interview	None required
3(1)	16,15	7,870.22	Depot Wide	1	No record of storage, disposal, release, or migration	Visual Inspection, Interview	None required
4(1)	19,24	1.16	Circa 1 acre in Elliot Acres	1	No record of storage, disposal, release, or migration	Visual Inspection, Interview	None required
5(2)PS/HS	17,2	61.88	Lake Housing Area	2	Building 2485 - fuel oil storage	21	None required
6(4)PS/PR	28,10	0.25	Airfield Area	4	Building 2310 - JP8 UST reported leaking in 1988	21, LUST list	Required actions have been taken
7(2)PS	28,10	0.25	Airfield Area	2	Building 2306 - fuel oil UST	21	None required
8(4)PS/PR	28,10	0.25	Airfield Area	4	Building 2305 spills - fuel oil UST reported leaking in 1989	21, Spill list	Required actions have been taken
9(2)HS(P)	30,23	1.68	Main Depot Area	2	Acid storage	Visual Inspection, Interview	None required
10(2)PS	28,26	0.25	LORAN-C Area	2	Fuel oil storage	21	None required
11(2)HS	24,22	2.02	Warehouse Area	2	Building 327 - pesticide, soda ash, antifreeze	Interview	None required
12(2)HS	24,22	2.02	Warehouse Area	2	Building 326 - STB and chlorine impregnate storage	Interview	None required
13(3)HS/HR	23,22	2.02	Warehouse Area	3	Building 330 - pesticide, soda ash, antifreeze storage; spill reported in 1993	Interview, Spill list	Required actions have been taken
14(3)HS/HR	22,22	2.02	Warehouse Area	3	Building 331 - Pesticide, soda ash, antifreeze storage; spill reported in 1992	Interview, Spill list	Required actions have been taken

Table 5-1a
(Continued)

BRAC PARCEL NUMBER AND LABEL[a]	LOCATION (X,Y COORDINATES)	APPROXIMATE SIZE (ACRES)[b]	GEOGRAPHIC AREA	ENVIRONMENTAL CONDITION CATEGORY NUMBER	BASIS (SWMU NO.)	EBS SOURCE OF EVIDENCE[c]	REMEDIATION/ MITIGATION
15(2)HS	22,22	2.02	Warehouse Area	2	Building 324 - columbite ore storage	1	None required
16(2)HS	22,23	2.02	Warehouse Area	2	Building 343 - pesticide, soda ash, antifreeze	Interview	None required
17(3)HS/HR	22,22	2.02	Warehouse Area	3	Building 323 - pesticide, soda ash, antifreeze; spill reported in 1992	Interview, Spill list	Required actions have been taken
18(2)HS	21,22	0.67	Warehouse Area	2	Building 333 - STB, DS-2, solvents	Interview	None required
19(3)HS/HR	21,22	0.06	Warehouse Area	3	Building 307 (SEAD-1) - hazardous waste storage; spill reported in 1991	1, Spill list	Required actions have been taken
20(2)PS/HS	21,21	6.87	IPE Area	2	Buildings 316, 317, 318, and 372 - IPE - solvents, petroleum products	Interview	None required
21(2)PS	20,23	26.29	Elliot Acres Housing Area	2	Fuel oil storage	0.25-acre tank spacing, 21	None required
22(2)PS	19,23	0.25	South Depot Area	2	Building 101 - fuel oil storage	21	None required
23(2)PS	18,23	0.25	South Depot Area	2	Building 103 - fuel oil storage	21	None required
24(3)PS/PR/HS	19,23	0.47	South Depot Area	3	Building 118 (SEAD-30) - auto shop, waste oil UST, Building 120 - gas station; spill reported in 1992	1, Spill list	Required actions have been taken
25(2)PS/HS	19,23	0.41	South Depot Area	2	Building 117, Heavy Equipment Shop - waste oil storage UST (SEAD-31)	1	None required
26(2)HS	19,22	0.16	South Depot Area	2	Building 125 - former paint shop	Interview, 21	None required
27(2)PS/HS	18,23	0.25	South Depot Area	2	Building 106 - health clinic, fuel oil storage	Interview, 21	None required
28(2)PS	18,22	0.25	South Depot Area	2	Building 114 - USTs	21	None required
29(3)PS/PR	19,21	0.25	South Depot Area	3	Building 129 - fuel oil storage; spill reported in 1994	21, Spill list	None required
30(2)PS	18,21	0.25	South Depot Area	2	Building 113 - fuel oil storage	21, Spill list	None required

Table 1a
(Continued)

BRAC PARCEL NUMBER AND LABEL[a]	LOCATION (X,Y COORDINATES)	APPROXIMATE SIZE (ACRES)[b]	GEOGRAPHIC AREA	ENVIRONMENTAL CONDITION CATEGORY NUMBER	BASIS (SWMU NO.)	EBS SOURCE OF EVIDENCE[c]	REMEDIATION/ MITIGATION
31(2)PS/HS	20,21	0.25	Main Depot Area	2	Building 312 (General Supply) - hydrofluosilic acid, paint, antifreeze, turpentine, diesel oil	Interview	None required
32(2)PS	2,15	0.25	North Depot Area	2	Building 800 - fuel oil storage	21	None required
33(2)PS	2,15	0.25	North Depot Area	2	Building 729 - fuel oil storage	21	None required
34(2)PS	3,14	0.25	North Depot Area	2	Buildings 719, 721, and 720 - gas station, vehicle maintenance	Visual Inspection	None required
35(2)PS	2,14	0.25	North Depot Area	2	Building 733 - fuel oil storage	21	None required
36(2)PS	3,14	0.25	North Depot Area	2	Building 746 - fuel oil storage	21	None required
37(4)PS/PR	3,12	0.25	North Depot Area	4	Building 710 - fuel oil storage reported leaking in 1989	21, LUST list	Required actions have been taken
38(2)PS	2,12	0.71	North Depot Area	2	Building 742 - gas station	Visual Inspection	None required
39(2)PS	2,12	0.25	North Depot Area	2	Building 714 - fuel oil storage	21	None required
40(2)PS	2,12	0.25	North Depot Area	2	Building 740 - fuel oil storage	21	None required
41(2)HS	14,9	0.25	Main Depot Area	2	Acid storage (SEAD-65A)	1	None required
42(2)HS	14,9	0.25	Main Depot Area	2	Acid storage (SEAD-65B)	1	None required
43(2)PR/HS	14,9	0.25	Main Depot Area	2	Acid storage (SEAD-65C)	1	None required
44(3)PR/HR	29,26	0.25	LORAN-C Area	3	Halon and diesel spills	Interview, Spill list	Required actions have been taken
45(3)HS/HR	27,25	4.65	Warehouse Area	3	Building 356 (SEAD-49) - columbite ore storage, DS-2 storage/spills	1, 20	None required
46(3)HR	18,21	0.96	South Admin Area	3	Wood burn ash, pressure-treated wood (SEAD-10)	1	None required
47(3)PS/PR/HS	2,14	1.46	North Depot Area	3	Building 732 (SEAD-29) - auto hobby shop, waste oil storage	1	None required

Table 5-1a
(Continued)

BRAC PARCEL NUMBER AND LABEL[a]	LOCATION (X,Y COORDINATES)	APPROXIMATE SIZE (ACRES)[b]	GEOGRAPHIC AREA	ENVIRONMENTAL CONDITION CATEGORY NUMBER	BASIS (SWMU NO.)	EBS SOURCE OF EVIDENCE[c]	REMEDIATION/ MITIGATION
129(3)	19,2	0.25	Lake Housing Area	3	Building 2438 - sewage release outside of building	Spill list	Required actions have been taken
130(3)PR/HR/(P)	24,23	2.02	Warehouse Area	3	Building 349 - spills reported in 1986, 1989, and 1991	Spill list	Required actions have been taken
131(3)PS/PR/HS/HR	27,25	4.65	Warehouse Area	3	Building 357 - spills reported in 1990, 1991, and 1992; leaking tank reported in 1987	Spill list, LUST list	Required actions have been taken
132(3)PR/HR(P)	18,17	0.25	Main Depot Area	3	Building C-509 - spill reported in 1992	Spill list	Required actions have been taken
133(4)PS/PR	19,2	0.25	Lake Housing Area	4	Building 2452 - fuel oil AST reported leaking in 1991	LUST list	Required actions have been taken
134(4)PS/PR	2,14	0.25	North Depot Area	4	Building 752 - fuel oil AST reported leaking in 1992	LUST list	Required actions have been taken
135(4)PS/PR	19,23	0.25	Elliot Acres Housing Area	4	Building 212 - fuel oil AST reported leaking in 1990	LUST list	Required actions have been taken
136(4)PR	2,11	0.25	North Depot Area	4	Building 715 - fuel oil release from Building 718 contained in secondary sewage treatment facility	Spill list	Required actions have been taken
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)	1, 19	Surface soils remediated
49(5)HS/HR	29,19	72.79	Main Depot Area	5	Pitchblende storage and release (SEAD-48)	1	Pending
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), UST reported leaking in 1994, spills reported in 1994	1, LUST list, Spill list	Pending
51(5)PS/PR/HS/HR(P)	21,21	0.25	IPE Area	5	Building 360 - waste oil storage (SEAD-28), spill, steam Jenny (SEAD-27).	1	Pending
52(5)PR	19,23	5.49	Main Depot Area	5	Spill from Building 138, partially clean	Interview, LUST list	Pending

Table 1a
(Continued)

BRAC PARCEL NUMBER AND LABEL[a]	LOCATION (X,Y COORDINATES)	APPROXIMATE SIZE (ACRES)[b]	GEOGRAPHIC AREA	ENVIRONMENTAL CONDITION CATEGORY NUMBER	BASIS (SWMU NO.)	EBS SOURCE OF EVIDENCE[c]	REMEDIATION/ MITIGATION
53(5)HR	3,17	15.79	Special Weapons Area	5	Radioactive waste burial (SEAD-12A)	1, 18	Pending
54(6)HR(P)	16,2	0.25	Lake Housing Area	6	Pump house Building 2409 - sewage release on east side of building	Visual Inspection, Interview	None to date
55(6)PR(P)/HR	18,11	1.88	Main Depot Area	6	Abandoned powder burning area (SEAD-24)	1, 16	None to date
56(6)PR	29,12	7.43	Airfield Area	6	Fuel spills west of Building 2312	Interview, Spill list	None to date
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 at Building 2079 (SEAD-38), leaking tank reported at Building 2079 in 1993, spill reported at Building 2073 in 1992, dumping	1, 16, 17, LUST list, Spill list, Interviews, Visual Inspection	None to date
58(6)HR	31,19	8.60	Main Depot Area	6	Garbage disposal area (SEAD-64B)	1, 19	None to date
59(6)PS/PR/HR	31,22	7.57	Main Depot Area	6	Buildings 608 and 612 (SEAD-52) - ammunition breakdown area, oil discharge adjacent to Building 609 (SEAD-60), fuel oil storage	1, 19	None to date
60(6)HR	32,23	3.72	Main Depot Area	6	Material proof and surveillance test area west of Building 616 (SEAD-44A)	1, 18	None to date
61(6)HR	30,22	1.62	Main Depot Area	6	Material proof and surveillance test area on Brady Road (SEAD-44B)	1, 18	None to date
62(6)HR(P)	31,23	1.82	Main Depot Area	6	Nicotine sulfate disposal area near Buildings 606 and 612 (SEAD-62)	1, 18	None to date
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	1, 18	None to date
64(6)HR	25,22	1.77	Main Depot Area	6	Debris landfill with raw asbestos (SEAD-64A)	1, 19	None to date

Table 5-1a
(Continued)

BRAC PARCEL NUMBER AND LABEL[a]	LOCATION (X,Y COORDINATES)	APPROXIMATE SIZE (ACRES)[b]	GEOGRAPHIC AREA	ENVIRONMENTAL CONDITION CATEGORY NUMBER	BASIS (SWMU NO.)	EBS SOURCE OF EVIDENCE[c]	REMEDIATION/ MITIGATION
65(6)HS/HR(P)	25,22	1.39	Warehouse Area	6	Open zinc ore pile	Visual Inspection	None to date
66(6)HR	26,22	9.26	Warehouse Area	6	Fire training pit (SEAD-26)	1, 16	None to date
67(6)HS/HR(P)	26,22	0.89	Warehouse Area	6	Open chromite ore pile	Visual Inspection	None to date
68(6)HS/HR(P)	25,22	0.65	Warehouse Area	6	Open aluminum oxide ore pile	Visual Inspection	None to date
69(6)HS/HR(P)	26,24	0.55	Warehouse Area	6	Open antimony ore pile	Visual Inspection	None to date
70(6)HS/HR(P)	26,25	1.55	Warehouse Area	6	Open ferro chrome ore pile	Visual Inspection	None to date
71(6)HS/HR(P)	26,25	0.81	Warehouse Area	6	Open antimony ore pile	Visual Inspection	None to date
72(6)HS/HR	25,24	19.94	Tank Farm	6	Storage tanks for antimony, rutile, asbestos and silicon carbide (SEAD-50, SEAD-54)	1, 18	None to date
73(6)HS/HR(P)	24,23	1.56	Warehouse Area	6	Open chromite ore pile	Visual Inspection	None to date
74(6)HS/HR(P)	24,22	0.74	Warehouse Area	6	Open ferro manganese ore pile	Visual Inspection	None to date
75(6)HS/HR(P)	23,23	1.94	Warehouse Area	6	Open chromite ore pile	Visual Inspection	None to date
76(6)HS/HR(P)	22,23	0.75	Warehouse Area	6	Open ferro manganese ore pile	Visual Inspection	None to date
77(6)PR/HR	23,22	0.49	Warehouse Area	6	Spill of PCB oil north of Building 325	Interview	None to date
78(6)HS/HR	21,21	3.08	Main Depot Area	6	Interviews revealed dumping of hazardous materials at DRMO yard	Interview	None to date
79(6)HR	20,22	2.82	Main Depot Area	6	Fire training pad (SEAD-25)	1, 16	None to date
80(6)PS/HR	20,20	1.93	Main Depot Area	6	Building 367 (SEAD-17) - deactivation furnace, AST	1, 16	None to date
81(6)HS/HR	19,21	0.43	Main Depot Area	6	Sewage sludge waste piles (SEAD-5)	1, 18	None to date

Table 5-1a
(Continued)

BRAC PARCEL NUMBER AND LABEL[a]	LOCATION (X,Y COORDINATES)	APPROXIMATE SIZE (ACRES)[b]	GEOGRAPHIC AREA	ENVIRONMENTAL CONDITION CATEGORY NUMBER	BASIS (SWMU NO.)	EBS SOURCE OF EVIDENCE[c]	REMEDIATION/ MITIGATION
82(6)PS/PR/IIS/HR	19,21	4.47	Main Depot Area	6	Building S-311 (SEAD-16) - deactivation furnace, Building S-361 - raw material storage yard; spill reported at Building S-311 in 1993	1, 16, Visual Inspection, Spill list	None to date
83(6)IIS/HR(P)	19,19	1.41	Main Depot Area	6	Open chromite ore pile	Visual Inspection	None to date
84(6)PS/PR(P)	18,19	1.16	Main Depot Area	6	Buildings 308, 306 - Boiler House, Inspector's Workshop, staining	Visual Inspection	None to date
85(6)PR/HR	19,21	0.69	USE Area	6	Fill area with unknown contents west of Building 135 (SEAD-59)	1, 18	None to date
86(6)PR/IIS/HR	19,22	0.11	South Depot Area	6	Building 135 - vehicle storage building with stained soil	Visual Inspection	None to date
87(6)PS/PR/HR(P)	19,23	0.25	South Depot Area	6	Building 121 (SEAD-36) - waste oil tank (SEAD-33), boiler plant blowdown leach pit (SEAD-39), boiler plant	1	None to date
88(6)PS/PR	19,22	0.14	South Depot Area	6	UST at Building 127 with stained soil	Visual Inspection	None to date
89(6)HR	18,22	1.16	South Depot Area	6	Alleged paint/solvent disposal area (SEAD-71)	1, 19	None to date
90(6)PR(P)/HR	17,22	2.07	Duck Ponds Area	6	Old scrap wood (SEAD-9)	1, 18	None to date
91(6)HS/HR(P)	17,19	0.98	Main Depot Area	6	Open chromite ore pile	Visual Inspection	None to date
92(6)HS/HR(P)	16,19	4.62	Main Depot Area	6	Pesticide storage - Buildings 5 and 6 (SEAD-66)	1	None to date
93(6)HS/HR(P)	16,19	0.91	Main Depot Area	6	Open aluminum oxide ore pile	Visual Inspection	None to date
94(6)HR	16,20	5.12	Duck Ponds Area	6	Sewage Treatment Plant No. 4 (SEAD-20), dump site to east (SEAD-67)	1, 19	None to date
95(6)IIS/HR(P)	16,19	0.49	Main Depot Area	6	Open ferro manganese ore pile	Visual Inspection	None to date
96(6)HR(P)	11,19	10.07	Duck Ponds Area	6	IRFNA disposal site (SEAD-13)	1, 17	None to date
97(6)IIR(P)	11,20	8.81	Duck Ponds Area	6	IRFNA disposal site (SEAD-13)	1, 17	None to date

Table 5-1a
(Continued)

BRAC PARCEL NUMBER AND LABEL[a]	LOCATION (X,Y COORDINATES)	APPROXIMATE SIZE (ACRES)[b]	GEOGRAPHIC AREA	ENVIRONMENTAL CONDITION CATEGORY NUMBER	BASIS (SWMU NO.)	EBS SOURCE OF EVIDENCE[c]	REMEDIATION/ MITIGATION
98(6)PS/PR/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 at Building 803 (SEAD-72), incinerator and Building 810 (SEAD-19), USTs at Buildings 802 and 805 Leaking tank at Building 806 reported in 1989; leaking tank at Building 807 reported in 1991 Unknown contents/unknown storage at Building 810 Unknown activities/storage at Building 819, igloos A0101 and A0102	Visual Inspection, Interview, 1, 18, Spill list, LUST list	None to date
99(6)PS/PR	3,15	0.25	Special Weapons Area	6	Former MP gas station (removed tank)	Visual Inspection, Interview	None to date
100(6)PS/PR/HS/HR	3,14	0.85	North Depot Area	7	Building 747 - unknown contents/unknown storage; spill reported in 1992	Interview, Spill list	None to date
101(6)PS/PR/HS/HR	3,13	0.08	North Depot Area	6	Building 718 - waste oil tank (SEAD-32, SEAD-61), waste oil-burning boilers (SEAD-35), boiler blowdown leach pit (SEAD-41); spill reported in Building 718 in 1994	1, Spill list	None to date
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	Visual Inspection, Interview	None to date
103(6)HR	5,13	3.64	Special Weapons Area	6	Miscellaneous components burial area (SEAD-63)	1, 19	None to date

Table 5-1a
(Continued)

BRAC PARCEL NUMBER AND LABEL[a]	LOCATION (X,Y COORDINATES)	APPROXIMATE SIZE (ACRES)[b]	GEOGRAPHIC AREA	ENVIRONMENTAL CONDITION CATEGORY NUMBER	BASIS (SWMU NO.)	EBS SOURCE OF EVIDENCE[c]	REMEDIATION/ MITIGATION
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, spills reported at Open Burning and Open Detonation Grounds in 1994; spill reported at Building 2134 in 1995	1, 16, Visual Inspection, Interview, Spill list, LUST list	None to date
105(6)HS/HR(P)	15,13	1.95	Main Depot Area	6	Aluminum oxide ore pile		None to date
106(6)HR	17,11	11.36	Main Depot Area	6	Debris area near Booster Station 2131 (SEAD-58), possible DDT disposal	1, 18	None to date
107(7)	30,10	0.25	Airfield Area	7	Connex - unknown contents	Visual Inspection	None to date
108(7)HS(P)/HR(P)	22,22	0.09	Warehouse Area	7	Building S-335 (SEAD-68) - old pest control shop	1	None to date
109(7)	17,20	4.95	Duck Ponds Area	7	Mounds possibly related to small arms range north of Building 309	Visual Inspection, Interview	None to date
110(7)	11,21	1.10	Duck Ponds Area	7	Mound of unknown contents	Visual Inspection	None to date
111(7)	3,17	0.25	Duck Ponds Area	7	Mound of unknown contents	Visual Inspection	None to date

Table 5-1a
(Continued)

BRAC PARCEL NUMBER AND LABEL[a]	LOCATION (X,Y COORDINATES)	APPROXIMATE SIZE (ACRES)[b]	GEOGRAPHIC AREA	ENVIRONMENTAL CONDITION CATEGORY NUMBER	BASIS (SWMU NO.)	EBS SOURCE OF EVIDENCE[c]	REMEDIATION/ MITIGATION
112(7)	2,17	0.25	Duck Ponds Area	7	Mound of unknown contents	Visual Inspection	None to date
113(7)	2,11	4.96	North Depot Area	7	Mounds and a rusty drum	Visual Inspection	None to date
137(7)	19,22	0.25	South Depot Area	7	Rumored coal ash disposal area	Rumors list	None to date
138(7)	19,22	0.25	South Depot Area	7	Rumored coal storage area	Rumors list	None to date
139(7)	2,14	0.25	North Depot Area	7	Rumored DDT cans disposal area	Rumors list	None to date
140(7)	2,12	0.25	North Depot Area	7	Rumored drum disposal area	Rumors list	None to date

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
R = radon
X = UXO and/or ordnance fragments
RD = radionuclides
(P) = possible (unverified)

[b] Acreage figures are approximate; they have been calculated using AutoCad Release 12.

[c] EBS Source of Evidence numbers refer to documents listed in Table 2-1 of this report.

Table 5-1b
QUALIFIED PARCEL DESCRIPTIONS
SENECA ARMY DEPOT ACTIVITY

QUALIFIED PARCEL NUMBER AND LABEL[a]	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
3-1Q-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
130-349Q-A(P)/L(P)	2.066	Warehouse	349
3-350Q-A(P)/L(P)	2.066	Warehouse	350

Table 5-1b
(Continued)

QUALIFIED PARCEL NUMBER AND LABEL*	APPROXIMATE SIZE (ACRES)	GEOGRAPHIC AREA	BUILDING NUMBER
3-353Q-A/L(P)	0.038	Warehouse	353
131-357Q-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
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
136-715Q-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

Table 5-1b
(Continued)

QUALIFIED PARCEL NUMBER AND LABEL[a]	APPROXIMATE SIZE (ACRES)	GEOGRAPHIC AREA	BUILDING NUMBER
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
3-A0206Q-X(P)/RD	0.042	Special Weapons	A0206
3-A0207Q-X(P)/RD	0.056	Special Weapons	A0207
3-A0208Q-X(P)/RD	0.042	Special Weapons	A0208
3-A0209Q-X(P)/RD	0.056	Special Weapons	A0209
3-A0210Q-X(P)/RD	0.042	Special Weapons	A0210
3-A0211Q-X(P)/RD	0.056	Special Weapons	A0211
3-A0212Q-X(P)/RD	0.042	Special Weapons	A0212
3-A0213Q-X(P)/RD	0.056	Special Weapons	A0213
3-A0214Q-X(P)/RD	0.042	Special Weapons	A0214
3-A0215Q-X(P)/RD	0.056	Special Weapons	A0215
3-A0216Q-X(P)/RD	0.042	Special Weapons	A0216
3-A0217Q-X(P)/RD	0.056	Special Weapons	A0217
3-A0218Q-X(P)/RD	0.042	Special Weapons	A0218
3-A0301Q-X(P)/RD	0.042	Special Weapons	A0301
3-A0302Q-X(P)/RD	0.056	Special Weapons	A0302
3-A0303Q-X(P)/RD	0.042	Special Weapons	A0303
3-A0304Q-X(P)/RD	0.056	Special Weapons	A0304
3-A0305Q-X(P)/RD	0.042	Special Weapons	A0305
3-A0306Q-X(P)/RD	0.056	Special Weapons	A0306
3-A0307Q-X(P)/RD	0.042	Special Weapons	A0307
3-A0308Q-X(P)/RD	0.056	Special Weapons	A0308
3-A0309Q-X(P)/RD	0.042	Special Weapons	A0309
3-A0310Q-X(P)/RD	0.056	Special Weapons	A0310
3-A0311Q-X(P)/RD	0.042	Special Weapons	A0311
3-A0312Q-X(P)/RD	0.056	Special Weapons	A0312
3-A0313Q-X(P)/RD	0.042	Special Weapons	A0313
3-A0314Q-X(P)/RD	0.056	Special Weapons	A0314
3-A0315Q-X(P)/RD	0.042	Special Weapons	A0315
3-A0316Q-X(P)/RD	0.056	Special Weapons	A0316
3-A0317Q-X(P)/RD	0.042	Special Weapons	A0317
3-A0401Q-X(P)/RD	0.042	Special Weapons	A0401
3-A0402Q-X(P)/RD	0.042	Special Weapons	A0402
3-A0403Q-X(P)/RD	0.042	Special Weapons	A0403

Table 5-1b
(Continued)

QUALIFIED PARCEL NUMBER AND LABEL[a]	APPROXIMATE SIZE (ACRES)	GEOGRAPHIC AREA	BUILDING NUMBER
3-A0404Q-X(P)/RD	0.042	Special Weapons	A0404
3-A0405Q-X(P)/RD	0.042	Special Weapons	A0405
3-A0406Q-X(P)/RD	0.042	Special Weapons	A0406
3-A0407Q-X(P)/RD	0.042	Special Weapons	A0407
3-A0408Q-X(P)/RD	0.042	Special Weapons	A0408
3-A0409Q-X(P)/RD	0.042	Special Weapons	A0409
3-A0501Q-X(P)/RD	0.042	Special Weapons	A0501
3-A0502Q-X(P)/RD	0.042	Special Weapons	A0502
3-A0503Q-X(P)/RD	0.042	Special Weapons	A0503
3-A0504Q-X(P)/RD	0.042	Special Weapons	A0504
3-A0505Q-X(P)/RD	0.042	Special Weapons	A0505
3-A0506Q-X(P)/RD	0.042	Special Weapons	A0506
3-A0507Q-X(P)/RD	0.042	Special Weapons	A0507
3-A0508Q-X(P)/RD	0.042	Special Weapons	A0508
3-A0601Q-X(P)/RD	0.042	Special Weapons	A0601
3-A0602Q-X(P)/RD	0.042	Special Weapons	A0602
3-A0603Q-X(P)/RD	0.042	Special Weapons	A0603
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

Table 5-1b
(Continued)

QUALIFIED PARCEL NUMBER AND LABEL*	APPROXIMATE SIZE (ACRES)	GEOGRAPHIC AREA	BUILDING NUMBER
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
3-A1012Q-X(P)	0.042	Main Depot	A1012
3-A1101Q-X(P)	0.042	Main Depot	A1101
3-A1102Q-X(P)	0.042	Main Depot	A1102
3-A1103Q-X(P)	0.042	Main Depot	A1103
3-A1104Q-X(P)	0.042	Main Depot	A1104
3-A1105Q-X(P)	0.042	Main Depot	A1105
3-A1106Q-X(P)	0.042	Main Depot	A1106
3-A1107Q-X(P)	0.042	Main Depot	A1107
3-A1108Q-X(P)/RD	0.042	Main Depot	A1108
3-A1109Q-X(P)/RD	0.042	Main Depot	A1109
3-A1110Q-X(P)	0.042	Main Depot	A1110
3-A1111Q-X(P)	0.042	Main Depot	A1111
3-B0101Q-X(P)	0.042	Main Depot	B0101
3-B0102Q-X(P)	0.042	Main Depot	B0102
3-B0103Q-X(P)	0.042	Main Depot	B0103
3-B0104Q-X(P)	0.042	Main Depot	B0104
3-B0105Q-X(P)	0.042	Main Depot	B0105
3-B0106Q-X(P)	0.042	Main Depot	B0106
3-B0107Q-X(P)	0.042	Main Depot	B0107
3-B0108Q-X(P)	0.042	Main Depot	B0108
3-B0109Q-X(P)/RD	0.042	Main Depot	B0109

Table 5-1b
(Continued)

QUALIFIED PARCEL NUMBER AND LABEL*	APPROXIMATE SIZE (ACRES)	GEOGRAPHIC AREA	BUILDING NUMBER
3-B0110Q-X(P)	0.042	Main Depot	B0110
3-B0111Q-X(P)	0.042	Main Depot	B0111
3-B0112Q-X(P)	0.042	Main Depot	B0112
3-B0201Q-X(P)	0.042	Main Depot	B0201
3-B0202Q-X(P)	0.042	Main Depot	B0202
3-B0203Q-X(P)	0.042	Main Depot	B0203
3-B0204Q-X(P)	0.042	Main Depot	B0204
3-B0205Q-X(P)	0.042	Main Depot	B0205
3-B0206Q-X(P)	0.042	Main Depot	B0206
3-B0207Q-X(P)	0.042	Main Depot	B0207
3-B0208Q-X(P)	0.042	Main Depot	B0208
3-B0209Q-X(P)	0.042	Main Depot	B0209
3-B0210Q-X(P)	0.042	Main Depot	B0210
3-B0211Q-X(P)	0.042	Main Depot	B0211
3-B0301Q-X(P)	0.042	Main Depot	B0301
3-B0302Q-X(P)	0.042	Main Depot	B0302
3-B0303Q-X(P)	0.042	Main Depot	B0303
3-B0304Q-X(P)	0.042	Main Depot	B0304
3-B0305Q-X(P)	0.042	Main Depot	B0305
3-B0306Q-X(P)	0.042	Main Depot	B0306
3-B0307Q-X(P)	0.042	Main Depot	B0307
3-B0308Q-X(P)	0.042	Main Depot	B0308
3-B0309Q-X(P)	0.042	Main Depot	B0309
3-B0310Q-X(P)	0.042	Main Depot	B0310
3-B0311Q-X(P)	0.042	Main Depot	B0311
3-B0401Q-X(P)	0.042	Main Depot	B0401
3-B0402Q-X(P)	0.042	Main Depot	B0402
3-B0403Q-X(P)	0.042	Main Depot	B0403
3-B0404Q-X(P)	0.042	Main Depot	B0404
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

Table 5-1b
(Continued)

QUALIFIED PARCEL NUMBER AND LABEL[a]	APPROXIMATE SIZE (ACRES)	GEOGRAPHIC AREA	BUILDING NUMBER
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
3-B0811Q-X(P)	0.042	Main Depot	B0811
3-B0901Q-X(P)	0.042	Main Depot	B0901
3-B0902Q-X(P)	0.042	Main Depot	B0902
3-B0903Q-X(P)	0.042	Main Depot	B0903
3-B0904Q-X(P)	0.042	Main Depot	B0904
3-B0905Q-X(P)	0.042	Main Depot	B0905
3-B0906Q-X(P)	0.042	Main Depot	B0906
3-B0907Q-X(P)	0.042	Main Depot	B0907
3-B0908Q-X(P)	0.042	Main Depot	B0908

Table 5-1b
(Continued)

QUALIFIED PARCEL NUMBER AND LABEL*	APPROXIMATE SIZE (ACRES)	GEOGRAPHIC AREA	BUILDING NUMBER
3-B0909Q-X(P)/RD	0.042	Main Depot	B0909
3-B0910Q-X(P)	0.042	Main Depot	B0910
3-B0911Q-X(P)	0.042	Main Depot	B0911
3-C0101Q-X(P)	0.042	Main Depot	C0101
3-C0102Q-X(P)	0.042	Main Depot	C0102
3-C0103Q-X(P)	0.042	Main Depot	C0103
3-C0104Q-X(P)	0.042	Main Depot	C0104
3-C0105Q-X(P)	0.042	Main Depot	C0105
3-C0106Q-X(P)	0.042	Main Depot	C0106
3-C0107Q-X(P)	0.042	Main Depot	C0107
3-C0108Q-X(P)	0.042	Main Depot	C0108
3-C0109Q-X(P)	0.042	Main Depot	C0109
3-C0110Q-X(P)	0.042	Main Depot	C0110
3-C0111Q-X(P)	0.042	Main Depot	C0111
3-C0201Q-X(P)	0.042	Main Depot	C0201
3-C0202Q-X(P)	0.042	Main Depot	C0202
3-C0203Q-X(P)/RD	0.042	Main Depot	C0203
3-C0204Q-X(P)	0.042	Main Depot	C0204
3-C0205Q-X(P)	0.042	Main Depot	C0205
3-C0206Q-X(P)	0.042	Main Depot	C0206
3-C0207Q-X(P)	0.042	Main Depot	C0207
3-C0208Q-X(P)	0.042	Main Depot	C0208
3-C0209Q-X(P)	0.042	Main Depot	C0209
3-C0210Q-X(P)	0.042	Main Depot	C0210
3-C0211Q-X(P)	0.042	Main Depot	C0211
3-C0301Q-X(P)	0.042	Main Depot	C0301
3-C0302Q-X(P)	0.042	Main Depot	C0302
3-C0303Q-X(P)/RD	0.042	Main Depot	C0303
3-C0304Q-X(P)	0.042	Main Depot	C0304
3-C0305Q-X(P)	0.042	Main Depot	C0305
3-C0306Q-X(P)	0.042	Main Depot	C0306
3-C0307Q-X(P)/RD	0.042	Main Depot	C0307
3-C0308Q-X(P)/RD	0.042	Main Depot	C0308
3-C0309Q-X(P)	0.042	Main Depot	C0309
3-C0310Q-X(P)	0.042	Main Depot	C0310
3-C0311Q-X(P)	0.042	Main Depot	C0311
3-C0401Q-X(P)	0.042	Main Depot	C0401
3-C0402Q-X(P)	0.042	Main Depot	C0402
3-C0403Q-X(P)/RD	0.042	Main Depot	C0403
3-C0404Q-X(P)	0.042	Main Depot	C0404
3-C0405Q-X(P)/RD	0.042	Main Depot	C0405
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

Table 5-1b
(Continued)

QUALIFIED PARCEL NUMBER AND LABEL[a]	APPROXIMATE SIZE (ACRES)	GEOGRAPHIC AREA	BUILDING NUMBER
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
132-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

Table 5-1b
(Continued)

QUALIFIED PARCEL NUMBER AND LABEL*	APPROXIMATE SIZE (ACRES)	GEOGRAPHIC AREA	BUILDING NUMBER
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
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

Table 5-1b
(Continued)

QUALIFIED PARCEL NUMBER AND LABEL[a]	APPROXIMATE SIZE (ACRES)	GEOGRAPHIC AREA	BUILDING NUMBER
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
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

Table 5-1b
(Continued)

QUALIFIED PARCEL NUMBER AND LABEL[a]	APPROXIMATE SIZE (ACRES)	GEOGRAPHIC AREA	BUILDING NUMBER
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
3-D0801Q-X(P)/RD	0.042	Main Depot	D0801
3-D0802Q-X(P)	0.042	Main Depot	D0802
3-D0803Q-X(P)	0.042	Main Depot	D0803
3-D0804Q-X(P)	0.042	Main Depot	D0804
3-D0805Q-X(P)/RD	0.042	Main Depot	D0805
3-D0806Q-X(P)	0.042	Main Depot	D0806
3-D0807Q-X(P)	0.042	Main Depot	D0807
3-D0808Q-X(P)	0.042	Main Depot	D0808
3-D0809Q-X(P)	0.042	Main Depot	D0809
3-D0810Q-X(P)	0.042	Main Depot	D0810
3-D0811Q-X(P)	0.042	Main Depot	D0811
3-D0812Q-X(P)	0.042	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

Table 5-1b
(Continued)

QUALIFIED PARCEL NUMBER AND LABEL[a]	APPROXIMATE SIZE (ACRES)	GEOGRAPHIC AREA	BUILDING NUMBER
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
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

Table 5-1b
(Continued)

QUALIFIED PARCEL NUMBER AND LABEL[a]	APPROXIMATE SIZE (ACRES)	GEOGRAPHIC AREA	BUILDING NUMBER
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
3-E0711Q-X(P)	0.055	Main Depot	E0711
3-S142Q-A/L(P)	0.235	South Depot	S142
3-T370Q-L(P)	0.005	Main Depot	T370
5-2401Q-A/L(P)	0.062	Lake Housing	2401
5-2402Q-L(P)	0.014	Lake Housing	2402
5-2403Q-A/L(P)	0.042	Lake Housing	2403
5-2404Q-A/L(P)	0.050	Lake Housing	2404
5-2405Q-L(P)	0.014	Lake Housing	2405
5-2406Q-A/L(P)	0.051	Lake Housing	2406
5-2407Q-A(P)/L(P)	0.014	Lake Housing	2407
5-2408Q-A/L(P)	0.094	Lake Housing	2408
5-2410Q-A/L(P)	0.086	Lake Housing	2410
5-2411Q-A/L(P)	0.058	Lake Housing	2411
5-2412Q-A/L(P)	0.024	Lake Housing	2412
5-2413Q-L(P)	0.010	Lake Housing	2413
5-2414Q-A/L(P)	0.045	Lake Housing	2414
5-2415Q-A/L(P)	0.024	Lake Housing	2415

Table 5-1b
(Continued)

QUALIFIED PARCEL NUMBER AND LABEL[a]	APPROXIMATE SIZE (ACRES)	GEOGRAPHIC AREA	BUILDING NUMBER
5-2416Q-L(P)	0.008	Lake Housing	2416
5-2417Q-L(P)	0.009	Lake Housing	2417
5-2418Q-A/L(P)	0.018	Lake Housing	2418
5-2419Q-A/L(P)	0.030	Lake Housing	2419
5-2420Q-L(P)	0.006	Lake Housing	2420
5-2421Q-A/L(P)	0.040	Lake Housing	2421
5-2423Q-A/L(P)	0.030	Lake Housing	2423
5-2424Q-L(P)	0.014	Lake Housing	2424
5-2425Q-A/L(P)	0.028	Lake Housing	2425
5-2426Q-A/L(P)	0.022	Lake Housing	2426
5-2427Q-A/L(P)	0.021	Lake Housing	2427
5-2428Q-L(P)	0.008	Lake Housing	2428
5-2429Q-A/L(P)	0.023	Lake Housing	2429
5-2430Q-L(P)	0.007	Lake Housing	2430
5-2431Q-L(P)	0.008	Lake Housing	2431
5-2432Q-A/L(P)	0.034	Lake Housing	2432
5-2433Q-L(P)	0.009	Lake Housing	2433
5-2434Q-A/L(P)	0.003	Lake Housing	2434
5-2436Q-L(P)	0.005	Lake Housing	2436
5-2437Q-A/L(P)	0.042	Lake Housing	2437
129-2438Q-A/L(P)	0.027	Lake Housing	2438
5-2439Q-A(P)/L(P)	0.008	Lake Housing	2439
5-2441Q-A/L(P)	0.024	Lake Housing	2441
5-2443Q-A/L(P)	0.028	Lake Housing	2443
5-2444Q-L(P)	0.011	Lake Housing	2444
5-2445Q-A(P)	0.021	Lake Housing	2445
5-2446Q-A/L(P)	0.027	Lake Housing	2446
5-2447Q-L(P)	0.009	Lake Housing	2447
5-2448Q-A/L(P)	0.029	Lake Housing	2448
5-2449Q-L(P)	0.012	Lake Housing	2449
5-2450Q-A/L(P)	0.024	Lake Housing	2450
5-2451Q-L(P)	0.013	Lake Housing	2451
133-2452Q-A/L(P)	0.027	Lake Housing	2452
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

(P)

A - asbestos L - lead based paint (P) possible presence

Table 5-1b
(Continued)

QUALIFIED PARCEL NUMBER AND LABEL*	APPROXIMATE SIZE (ACRES)	GEOGRAPHIC AREA	BUILDING NUMBER
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
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

Table 5-1b
(Continued)

QUALIFIED PARCEL NUMBER AND LABEL[a]	APPROXIMATE SIZE (ACRES)	GEOGRAPHIC AREA	BUILDING NUMBER
135-212AQ-L(P)	0.040	South Depot	212-A
135-212BQ-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

Table 5-1b
(Continued)

QUALIFIED PARCEL NUMBER AND LABEL*	APPROXIMATE SIZE (ACRES)	GEOGRAPHIC AREA	BUILDING NUMBER
21-231CQ-L(P)	0.030	South Depot	231-C
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

Table 5-1b
(Continued)

QUALIFIED PARCEL NUMBER AND LABEL[a]	APPROXIMATE SIZE (ACRES)	GEOGRAPHIC AREA	BUILDING NUMBER
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
21-244BQ-L(P)	0.034	South Depot	244-B
21-244CQ-A/L(P)	0.034	South Depot	244-C
21-244DQ-L(P)	0.034	South Depot	244-D
21-245AQ-A/L(P)	0.034	South Depot	245-A
21-245BQ-L(P)	0.034	South Depot	245-B
21-245CQ-L(P)	0.034	South Depot	245-C
21-245DQ-L(P)	0.034	South Depot	245-D
22-101Q-A/L(P)	0.339	South Depot	101
23-103Q-A/L(P)	0.265	South Depot	103
24-118Q-L(P)	0.435	South Depot	118
24-120Q-A/L(P)	0.009	South Depot	120
25-117Q-A/L(P)	0.456	South Depot	117
27-106Q-A/L(P)	0.254	South Depot	106
28-114Q-L(P)	0.277	South Depot	114
30-113Q-A/L(P)	0.379	South Depot	113
31-312Q-L(P)	0.275	South Depot	312
32-800Q-A	0.029	North Depot	800
33-729Q-A/L(P)	0.106	North Depot	729
34-719Q-L(P)	0.009	North Depot	719
34-720Q-A/L(P)	0.098	North Depot	720
34-721Q-L(P)	0.004	North Depot	721
35-733Q-L(P)	0.012	North Depot	733
37-710Q-L(P)	0.075	North Depot	710
38-742Q-A/L(P)	0.032	North Depot	742
39-S714Q-L(P)	0.175	North Depot	S714
40-740Q-A/L(P)	0.103	North Depot	740
45-356Q-A(P)/L(P)	4.664	Warehouse	356
47-732Q-L(P)	0.082	Main Depot	732
49-E0801Q-X(P)/RD	0.055	Main Depot	E0801
49-E0802Q-X(P)/RD	0.055	Main Depot	E0802
49-E0803Q-X(P)/RD	0.055	Main Depot	E0803
49-E0804Q-X(P)/RD	0.055	Main Depot	E0804
49-E0805Q-X(P)/RD	0.055	Main Depot	E0805
49-E0806Q-X(P)/RD	0.055	Main Depot	E0806
49-E0807Q-X(P)/RD	0.055	Main Depot	E0807
49-E0808Q-X(P)/RD	0.055	Main Depot	E0808
49-E0809Q-X(P)/RD	0.055	Main Depot	E0809

Table 5-1b
(Continued)

QUALIFIED PARCEL NUMBER AND LABEL*	APPROXIMATE SIZE (ACRES)	GEOGRAPHIC AREA	BUILDING NUMBER
49-E0810Q-X(P)/RD	0.055	Main Depot	E0810
49-E0811Q-X(P)/RD	0.055	Main Depot	E0811
50-319Q-A/L(P)	0.066	Warehouse	319
51-360Q-A	0.199	IPE	360
54-2409Q-L(P)	0.017	Lake Housing	2409
57-2073Q-L(P)/X(P)/RD	0.085	Main Depot	2073
57-2074Q-A/L(P)/X(P)	0.004	Main Depot	2074
57-2075Q-L(P)/X(P)	0.003	Main Depot	2075
57-2076Q-A/L(P)	0.125	Main Depot	2076
57-2077Q-A/L(P)	0.013	Main Depot	2077
57-2078Q-A/L(P)/X(P)	0.172	Main Depot	2078
57-2079Q-A/L(P)	0.044	Main Depot	2079
57-2084Q-A/L(P)/X(P)/RD	0.126	Main Depot	2084
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

Table 5-1b
(Continued)

QUALIFIED PARCEL NUMBER AND LABEL[a]	APPROXIMATE SIZE (ACRES)	GEOGRAPHIC AREA	BUILDING NUMBER
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
104-2107Q-L(P)/X(P)	0.001	OB/OD Grounds	2107
104-2110Q-L(P)	0.492	OB/OD Grounds	2110
106-2131Q-L(P)	0.005	Main Depot	2131
108-335Q-A(P)/L(P)	0.088	Warehouse	335
114Q-X	2.900	Airfield	Airfield Firing Range
115Q-X	0.814	Airfield	Airfield Skeet Range
116Q-X	178.840	Main Depot	SEAD-4 and other areas
117Q-X	16.208	Main Depot	Munitions Burial Area
118Q-RD	72.790	Main Depot	Pitchblend Storage Igloos
119Q-X	0.660	Main Depot	Firing Range near Ovid Road
120Q-X	3.720	Main Depot	Material Proof Area
121Q-X	1.620	Main Depot	Material Proof Area
122Q-X	8.070	Duck Ponds	Small Arms Range
123Q-RD	334.790	Special Weapons	Special Weapons Area
124Q-RD	15.790	Special Weapons	Special Weapons Area
125Q-X	0.250	North Depot	Firing Range in Building 744
126Q-RD	3.640	Special Weapons	SEAD-63

Table 5-1b
(Continued)

QUALIFIED PARCEL NUMBER AND LABEL[a]	APPROXIMATE SIZE (ACRES)	GEOGRAPHIC AREA	BUILDING NUMBER
127Q-X	1,055.650	OB/OD Grounds	OB/OD Grounds
128Q-X	1.880	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
R = radon
X = UXO and/or ordnance fragments
RD = radionuclides
(P) = possible (unverified)

Table 5-3
POTENTIAL UXO HAZARDS
SENECA ARMY DEPOT ACTIVITY

BUILDING/PARCEL NUMBER	ACRES	DESCRIPTION	PURPOSE	COMMENT	EBS SOURCE OF EVIDENCE
5	0.270	Bundle Ammunition Packing	Munitions Packaging	Possible UXO stored for use	22
7	0.270	Bundle Ammunition Packing	Munitions Packaging	Possible UXO stored for use	22
306	0.124	Ammunition Inspection Workshop	Munitions Inspection	Possible UXO stored for use	22
328	2.066	Ammunition Storage Depot	Munitions Storage	Possible UXO stored for use	22
330	2.066	Ammunition Storage Depot	Munitions Storage	Possible UXO stored for use	22
366	0.022	Ammunition Renovation Depot	Munitions Renovation	Possible UXO stored for use	22
608	0.008	Ammunition Breakdown Area; SEAD-52	UXO dismantled, removed powder was sold or burned, some stored for disposal	Possible UXO stored for disposal	1
610	0.012	Ammunition Renovation Depot	Munitions Renovation	Possible UXO stored for use	22
612	0.422	Ammunition Breakdown Area/Ammunition Renovation Depot; SEAD-53	UXO dismantled, removed powder sold or burned, some stored for disposal	Possible UXO stored for disposal	1
803	0.064	Special Weapons Magazine	Munitions Storage	Possible UXO stored for use; mothballed?	22
804	0.031	Ammunition Renovation Depot	Munitions Renovation	Possible UXO stored for use	22
813	0.100	Special Weapons Depot	Munitions Storage	Possible UXO stored for use	22
814	0.082	Special Weapons Depot	Munitions Storage	Possible UXO stored for use	22
815	0.254	Special Weapons Depot	Munitions Storage	Possible UXO stored for use	22
816	0.353	Special Weapons Depot	Munitions Storage	Possible UXO stored for use; mothballed?	22
817	0.022	Special Weapons Depot	Munitions Storage	Possible UXO stored for use	22
819	0.190	Weapon Assembly/Special Weapons Depot	Munitions Assembly/Storage	Possible UXO stored for use	22
823	0.002	General Purpose Magazine Depot	Munitions Storage	Possible UXO stored for use	22
1594	0.069	Ammunition Storage Pad (Not a building)	Munitions Storage	Possible UXO stored for use	22
2073	0.085	Ammunition Refinish	Munitions Renovation	Possible UXO stored for use	22
2074	0.004	Ammunition Renovation Depot	Munitions Renovation	Possible UXO stored for use; mothballed?	22
2075	0.003	Ammunition Renovation Shop	Munitions Renovation	Possible UXO stored for use	22
2078	0.172	Process/Condition Ammunition/Ammunition Renovation Depot	Munitions Renovation	Possible UXO stored for use	22
2084	0.126	Process/Condition Ammunition/Ammunition Renovation Depot	Munitions Renovation	Possible UXO stored for use	22

Table 5-3
(Continued)

BUILDING/PARCEL NUMBER	ACRES	DESCRIPTION	PURPOSE	COMMENT	EBS SOURCE OF EVIDENCE
2085	0.038	Process/Condition Ammunition/Ammunition Renovation Depot	Munitions Renovation	Possible UXO stored for use	22
2109	0.000	Ammunition Demilitarization Depot	Munitions Demilitarization	Possible UXO stored for use	22
2117	0.259	Storage of Ammunition/General Purpose Magazine Depot	Munitions Storage	Possible UXO stored for use	22
2118	0.259	Storage of Ammunition/General Purpose Magazine Depot	Munitions Storage	Possible UXO stored for use	22
2119	0.259	Storage of Ammunition/General Purpose Magazine Depot	Munitions Storage	Possible UXO stored for use	22
2120	0.259	Storage of Ammunition/General Purpose Magazine Depot	Munitions Storage	Possible UXO stored for use	22
2121	0.259	Storage of Ammunition/General Purpose Magazine Depot	Munitions Storage	Possible UXO stored for use	22
2122	0.259	Storage of Ammunition/General Purpose Magazine Depot	Munitions Storage	Possible UXO stored for use	22
2123	0.259	Storage of Ammunition/General Purpose Magazine Depot	Munitions Storage	Possible UXO stored for use	22
2124	0.259	Storage of Ammunition/General Purpose Magazine Depot	Munitions Storage	Possible UXO stored for use	22
2133	0.002	Igloo	Munitions Storage	Possible UXO stored for use	22
2132	0.002	Igloo	Munitions Storage	Possible UXO stored for use	22
A0101-102	0.056	Igloo	Munitions Storage	Possible UXO stored for use	22
A0201, 203, 205, 207, 209, 211, 213, 215, 217	0.500	Igloo	Munitions Storage	Possible UXO stored for use	22
A0202, 204, 206, 208, 210, 212, 214, 216, 218	0.375	Igloo	Munitions Storage	Possible UXO stored for use	22
A0301, 303, 305, 307, 309, 311, 313, 315, 317	0.375	Igloo	Munitions Storage	Possible UXO stored for use	22
A0302, 304, 306, 308, 310, 312, 314, 316	0.445	Igloo	Munitions Storage	Possible UXO stored for use	22
A0401-409	0.375	Igloo	Munitions Storage	Possible UXO stored for use	22
A0501-508	0.334	Igloo	Munitions Storage	Possible UXO stored for use	22
A0601-610	0.417	Igloo	Munitions Storage	Possible UXO stored for use	22
A0702-711	0.459	Igloo	Munitions Storage	Possible UXO stored for use	22
A0801-811	0.459	Igloo	Munitions Storage	Possible UXO stored for use	22
A0901-910	0.417	Igloo	Munitions Storage	Possible UXO stored for use	22
A1001-A1012	0.500	Igloo	Munitions Storage	Possible UXO stored for use	22
A1101-A1111	0.459	Igloo	Munitions Storage	Possible UXO stored for use	22

Table 3
(Continued)

BUILDING/PARCEL NUMBER	ACRES	DESCRIPTION	PURPOSE	COMMENT	EBS SOURCE OF EVIDENCE
B0101-B0112	0.500	Igloo	Munitions Storage	Possible UXO stored for use	22
B0201-B0211	0.459	Igloo	Munitions Storage	Possible UXO stored for use	22
B0301-B0311	0.459	Igloo	Munitions Storage	Possible UXO stored for use	22
B0401-B0411	0.459	Igloo	Munitions Storage	Possible UXO stored for use	22
B0501-B0511	0.459	Igloo	Munitions Storage	Possible UXO stored for use	22
B0601-B0611	0.459	Igloo	Munitions Storage	Possible UXO stored for use	22
B0701-B0711	0.459	Igloo	Munitions Storage	Possible UXO stored for use	22
B0801-B0811	0.459	Igloo	Munitions Storage	Possible UXO stored for use	22
B0901-B0911	0.459	Igloo	Munitions Storage	Possible UXO stored for use	22
C0101-C0111	0.459	Igloo	Munitions Storage	Possible UXO stored for use	22
C0201-C0211	0.459	Igloo	Munitions Storage	Possible UXO stored for use	22
C0301-C0311	0.459	Igloo	Munitions Storage	Possible UXO stored for use	22
C0401-C0412	0.500	Igloo	Munitions Storage	Possible UXO stored for use	22
C0501-C0513	0.542	Igloo	Munitions Storage	Possible UXO stored for use	22
C0601-C0611	0.459	Igloo	Munitions Storage	Possible UXO stored for use	22
C0701-C0709	0.375	Igloo	Munitions Storage	Possible UXO stored for use	22
C0801-C0809	0.375	Igloo	Munitions Storage	Possible UXO stored for use	22
C0901-C0913	0.542	Igloo	Munitions Storage	Possible UXO stored for use	22
D0101-D0113	0.542	Igloo	Munitions Storage	Possible UXO stored for use	22
D0201-D0212	0.500	Igloo	Munitions Storage	Possible UXO stored for use	22
D0301-D0313	0.542	Igloo	Munitions Storage	Possible UXO stored for use	22
D0401-D0413	0.542	Igloo	Munitions Storage	Possible UXO stored for use	22
D0501-D0513	0.542	Igloo	Munitions Storage	Possible UXO stored for use	22
D0601-D0612	0.500	Igloo	Munitions Storage	Possible UXO stored for use	22
D0701-D0712	0.500	Igloo	Munitions Storage	Possible UXO stored for use	22
D0801-D0812	0.500	Igloo	Munitions Storage	Possible UXO stored for use	22
E0101-E0114	0.774	Igloo	Munitions Storage	Possible UXO stored for use	22
E0201-E0214	0.774	Igloo	Munitions Storage	Possible UXO stored for use	22
E0301-E0313	0.719	Igloo	Munitions Storage	Possible UXO stored for use	22
E0401-E0413	0.719	Igloo	Munitions Storage	Possible UXO stored for use	22
E0501-E0513	0.719	Igloo	Munitions Storage	Possible UXO stored for use	22
E0601-E0611	0.608	Igloo	Munitions Storage	Possible UXO stored for use	22
E0701-E0711	0.608	Igloo	Munitions Storage	Possible UXO stored for use	22
E0801-E0811	0.608	Igloo	Munitions Storage	Possible UXO stored for use	22
367	0.084	Existing Deactivation Furnace/Ammunition Demilitarization Depot	Furnace for deactivating munitions	Possible surface or buried UXO	1

Table 5-3
(Continued)

BUILDING/PARCEL NUMBER	ACRES	DESCRIPTION	PURPOSE	COMMENT	EBS SOURCE OF EVIDENCE
2207	0.082	Abandoned Solid Waste Incinerator (building no longer exists); SEAD-15	Incinerator for burning mixture of rubbish and garbage, including small munitions	Possible surface or buried UXO	1
S-311	0.267	Abandoned Deactivation Furnace/Ammunition Demilitarization Depot; SEAD-16	Furnace for deactivating munitions	Possible surface or buried UXO	1
S-361	0.039	Ammunition Demo Facility/Ammunition Demilitarization Depot	Munitions Demilitarization	Possible surface or buried UXO	22
Parcel 120Q	3.720	Quality Assurance Test Lab, Location A (West of Building 616); SEAD-44	Tested CS grenades, firing devices, and pyrotechnics	Possible surface or buried UXO	1
Parcel 121Q	1.620	Quality Assurance Test Lab, Location B (Brady Road); SEAD-44	Tested CS grenades, firing devices, and pyrotechnics	Possible surface or buried UXO	1
2106	0.013	Ammunition Renovation Depot	Munitions Renovation	Possible UXO stored for use	22
2107	0.001	Ammunition Renovation Depot	Munitions Renovation	Possible UXO stored for use	22
Parcel 116Q	178.840	Munitions Washout Facility Leach Field (building no longer exists); SEAD-4	Facility for dismantling explosives for disposal	Possible surface or buried UXO	1
Parcel 127Q		Open burning ground: SEAD-23	Burned explosives and projectiles	Possible surface or buried UXO	1
Parcel 128Q	1.880	Abandoned Powder Burning Pit; SEAD-24	Burned black powder, solid propellants, explosive contaminated trash	Possible surface or buried UXO	1
Parcel 127Q		Demolition Area; SEAD-45	Area for exploding munitions underground	Possible surface or buried UXO	1
Parcel 122Q	8.070	Small arms range; SEAD-46	3½-inch rockets were fired into an earthen barricade at one end of the range	Possible surface or buried UXO	1
Parcel 127Q	1,055.650	Explosive Ordnance Disposal Area; SEAD-57	Open detonation area and possible disposal of explosives	Possible surface or buried UXO	1
Parcel 115Q	0.814	Skeet Range at Airfield	Firing Range	Potential for UXO fragments	Interview, Visual Inspection
Parcel 119Q	0.660	Small Arms Range near Ovid Road	Firing Range	Potential firing of explosive ordnance	Interview, Visual Inspection
Parcel 125Q	0.250	Small Arms Range in Building 744	Firing Range	Potential for UXO fragments	Interview, Visual Inspection
Parcel 117Q	16.208	Potential Munitions Burial Area	Disposal of munitions	Possible buried UXO	Interview
Parcel 114Q	2.900	Small Arms Range at Airfield	Firing Range	Potential for UXO fragments	Interview, Visual Inspection

Table 5-4
POTENTIAL RADIONUCLIDE HAZARDS
SENECA ARMY DEPOT ACTIVITY

BUILDING/ PARCEL NUMBER	DESCRIPTION	ACRES
5	Bundle Ammunition Packing	0.270
306	Ammunition Inspection Workshop	0.124
612	Ammunition Renovation Workshop	0.422
747	Ammunition Training Facility	0.200
803	Storage	0.064
804	Electronic Maintenance Building	0.031
810	General Warehouse	0.872
815	Shop	0.254
816	Shop	0.353
819	Weapon Assembly	0.190
2073	Ammunition Refinishing	0.085
2084	Process/Condition Ammunition	0.126
A101-A102	Igloo Storage Depot	0.056
A201-A218	Igloo Storage Depot	0.875
A301-A317	Igloo Storage Depot	0.820
A401-A409	Igloo Storage Depot	0.375
A501-508	Igloo Storage Depot	0.334
A601-A610	Igloo Storage Depot	0.417
A0508	Igloo Storage Depot	0.042
A0701	Igloo Storage Depot	0.042
A0706	Igloo Storage Depot	0.042
A0707	Igloo Storage Depot	0.042
A0901	Igloo Storage Depot	0.042
A0905	Igloo Storage Depot	0.042
A01108	Igloo Storage Depot	0.042
A01109	Igloo Storage Depot	0.042
B0109	Igloo Storage Depot	0.042
B0411	Igloo Storage Depot	0.042
B0501	Igloo Storage Depot	0.042
B0602	Igloo Storage Depot	0.042
B0603	Igloo Storage Depot	0.042
B0609	Igloo Storage Depot	0.042
B0705	Igloo Storage Depot	0.042
B0707	Igloo Storage Depot	0.042
B0708	Igloo Storage Depot	0.042
B0709	Igloo Storage Depot	0.042
B0711	Igloo Storage Depot	0.042
B0802	Igloo Storage Depot	0.042
B0804	Igloo Storage Depot	0.042
B0909	Igloo Storage Depot	0.042
C0203	Igloo Storage Depot	0.042
C0303	Igloo Storage Depot	0.042
C0307	Igloo Storage Depot	0.042
C0308	Igloo Storage Depot	0.042

Table 5-4
(Continued)

BUILDING/ PARCEL NUMBER	DESCRIPTION	ACRES
C0403	Igloo Storage Depot	0.042
C0405	Igloo Storage Depot	0.042
C0406	Igloo Storage Depot	0.042
C0407	Igloo Storage Depot	0.042
C0408	Igloo Storage Depot	0.042
C0501	Igloo Storage Depot	0.042
C0503	Igloo Storage Depot	0.042
C0504	Igloo Storage Depot	0.042
C0505	Igloo Storage Depot	0.042
C0508	Igloo Storage Depot	0.042
C0510	Igloo Storage Depot	0.042
C0511	Igloo Storage Depot	0.042
C0513	Igloo Storage Depot	0.042
C0603	Igloo Storage Depot	0.042
C0604	Igloo Storage Depot	0.042
C0605	Igloo Storage Depot	0.042
C0606	Igloo Storage Depot	0.042
C0608	Igloo Storage Depot	0.042
C0801	Igloo Storage Depot	0.042
C0803	Igloo Storage Depot	0.042
C0807	Igloo Storage Depot	0.042
C0809	Igloo Storage Depot	0.042
C0902	Igloo Storage Depot	0.042
C0906	Igloo Storage Depot	0.042
C0907	Igloo Storage Depot	0.042
C0908	Igloo Storage Depot	0.042
C0909	Igloo Storage Depot	0.042
D0104	Igloo Storage Depot	0.042
D0105	Igloo Storage Depot	0.042
D0108	Igloo Storage Depot	0.042
D0110	Igloo Storage Depot	0.042
D0113	Igloo Storage Depot	0.042
D0206	Igloo Storage Depot	0.042
D0207	Igloo Storage Depot	0.042
D0305	Igloo Storage Depot	0.042
D0306	Igloo Storage Depot	0.042
D0312	Igloo Storage Depot	0.042
D0401	Igloo Storage Depot	0.042
D0406	Igloo Storage Depot	0.042
D0407	Igloo Storage Depot	0.042
D0601	Igloo Storage Depot	0.042
D0604	Igloo Storage Depot	0.042
D0607	Igloo Storage Depot	0.042
D0704	Igloo Storage Depot	0.042
D0705	Igloo Storage Depot	0.042

Table 5-4
(Continued)

BUILDING/ PARCEL NUMBER	DESCRIPTION	ACRES
D0711	Igloo Storage Depot	0.042
D0712	Igloo Storage Depot	0.042
D0801	Igloo Storage Depot	0.042
D0805	Igloo Storage Depot	0.042
E0103	Igloo Storage Depot	0.055
E0105	Igloo Storage Depot	0.055
E0112	Igloo Storage Depot	0.055
E0211	Igloo Storage Depot	0.055
E0301	Igloo Storage Depot	0.055
E0302	Igloo Storage Depot	0.055
E0303	Igloo Storage Depot	0.055
E0312	Igloo Storage Depot	0.055
E0402	Igloo Storage Depot	0.055
E0410	Igloo Storage Depot	0.055
E0411	Igloo Storage Depot	0.055
E0413	Igloo Storage Depot	0.055
E0504	Igloo Storage Depot	0.055
E0506	Igloo Storage Depot	0.055
E0512	Igloo Storage Depot	0.055
E0602	Igloo Storage Depot	0.055
E0604	Igloo Storage Depot	0.055
E0609	Igloo Storage Depot	0.055
E0610	Igloo Storage Depot	0.055
E0702	Igloo Storage Depot	0.055
E0706	Igloo Storage Depot	0.055
E0801-E0811	Igloo Storage Depot	0.608
118Q	Pitchblende Storage Area	72.790
123Q	Special Weapons Area	334.790
124Q	Special Weapons Area	15.790
126Q	Special Weapons Area	3.640

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APPENDIX A

COMMENT RESPONSE PACKAGE

RESPONSES TO COMMENTS ON THE
SENECA ARMY DEPOT ACTIVITY, NEW YORK
DRAFT ENVIRONMENTAL BASELINE SURVEY REPORT
DATED MARCH 15, 1996

APPENDIX A
COMMENT RESPONSE PACKAGE

Appendix A presents the comments Woodward-Clyde Federal Services received on the *Seneca Army Depot Activity, New York, Draft Environmental Baseline Survey Report*, dated March 15, 1996, and the *Draft Final Environmental Baseline Survey Report*, dated October 30, 1996, and the responses to these comments.

The comments have been typed verbatim and may include misspellings, grammatical errors, format inconsistencies, internal agency numbering systems, etc. Each comment and response has been sequentially numbered (A-1, A-2, A-3, etc. for comments on the draft report and B-1, B-2, B-3, etc., for comments on the draft final report). This numbering system is used to reference previous comments or a response that may clarify a previously addressed issue.

The comments have been organized by agency and are separated by sections (A.1, A.2, A.3, etc. for comments on the draft report and B.1, B.2, B.3, etc., for comments on the draft final report). The comments are presented in the following order:

- Installation
- U.S. Environmental Protection Agency
- State of New York
- U.S. Army Materiel Command
- U.S. Army Environmental Center
- U.S. Army Corps of Engineers
- Other Agencies and Organizations

A.1 RESPONSES TO INSTALLATION COMMENTS ON THE DRAFT EBS REPORT

A.1.1 RESPONSES TO SENECA ARMY DEPOT ACTIVITY COMMENTS ON THE DRAFT EBS REPORT

ENTITY: Seneca Army Depot Activity

INDIVIDUAL: Mr. Stephen Absolom

TITLE: BRAC Environmental Coordinator

DATE: June 20, 1996

Comment A-1:

A marked copy of portions of the Draft EBS Report was submitted as comments.

Response:

These comments are either editorial in nature and/or provide additional information. Where appropriate, they have been incorporated into the Draft Final EBS Report.

A.2 RESPONSES TO U.S. ENVIRONMENTAL PROTECTION AGENCY COMMENTS ON THE DRAFT EBS REPORT

ENTITY: U.S. Environmental Protection Agency, Region II

INDIVIDUAL: Carla Struble, P.E.

TITLE: Federal Facilities Section

DATE: July 15, 1996

Comment A-2:

Throughout the document, when referring to BRAC parcel numbers, building numbers, tank numbers, etc. the corresponding SEAD numbers should also be given. For years we have been identifying areas at SEDA in terms of SWMUs and SEAD numbers. This enables us to refer to the SWMU Classification Report for information regarding past activities at an area.

Response:

SEAD numbers have been provided where applicable, as requested.

Comment A-3:

CERFA Parcel Map - Figure 5.1

Parcel qualifiers don't seem to be shown in all cases. Most notably Parcel 3, igloos are qualified for UXOs per Table 5.2, don't show on map. All qualified parcels listed in Table 5.2 should be included on Figure 5.1.

Response:

All qualified parcels and buildings have been listed on Table 5-1b in the Draft Final EBS Report. The parcels are shown on Figure 5-1 with their respective labels. The large number of buildings precludes showing all building labels on Figure 5-1. Therefore, building labels have

been included in Table 5-1b and the building locations can be identified on Figure 5-1 referring to the building number. The language in the text will be clarified.

Comment A-4:

Seneca Lake should be labeled and the shoreline delineated on the map.

Response:

The map has been revised accordingly.

Comment A-5:

The CERFA Parcel Map should show and label Reeder Creek, Kendia Creek, Indian Creek, etc., and the 72 SEADs identified in the Solid Waste Management Unit (SWMU) Classification Report for the Seneca Army Depot Activity finalized by the Army in September 1994. To help expedite EPA's review and concurrence on real property at SEDA, an updated Plate 1-1 "Solid Waste Management Unit Locations" from the SWMU Classification Report is desirable. This map should preferably be a transparent overlay which could be placed over the CERFA Parcel Map and the LRA's Reuse Map.

Response:

Mapping correlation and overlays are outside the scope of work for the preparation of the EBS.

Comment A-6:

Category 1: the definition deviates from the CERFA definition of uncontaminated property by including property that has been used to store less than reportable quantities of hazardous substances (40 CFR 302.4) or 600 or fewer gallons of petroleum. We will consider whether or not parcels which the Army has identified as Category 1 based on this definition qualify as uncontaminated per CERFA on a case by case basis.

Response:

The U.S. Amy considers the inclusion of less than reportable quantities of hazardous substances or 600 or fewer gallons of petroleum as being consistent with CERFA and OSWER Directive 9345.0-09, EPA 540/F-94/32, PB 94-96 3249, April 19, 1994.

Comment A-7:

SECTION ONE: Introduction

Page 1-4 Definitions of Terms:

Category 1: the definition deviates from the CERFA definition of uncontaminated property by including property that has been used to store less than reportable quantities of hazardous substances (40 CFR 302.4) or 600 or fewer gallons of petroleum. We will consider whether or not parcels which the Army has identified as Category 1 based on this definition qualify as uncontaminated per CERFA on a case by case basis.

Response:

See the response to Comment A-6.

Comment A-8:

Page 1-4. Suitable to Transfer definition...."subject to the non-CERCLA contamination qualifiers" needs explanation. Does this mean that these parcels are "not" suitable to transfer until contamination is addressed? If so, parcels should not be designated as suitable to transfer. Or does this mean parcels are suitable to transfer with appropriate restrictions? If so, restrictions should be explicitly specified or parcels should not be designated as suitable to transfer. Or does this mean something else?

Response:

The EBS report documents the presence or possible presence of LBP, ACM, pesticides, radon, PCB-containing equipment, radionuclides, and UXO and ordnance fragments as non-CERCLA environmental issues. Their presence, however, does not necessarily preclude the U.S. Army from transferring the property. Prior to transfer or lease, a Finding of Suitability to Transfer or Lease (FOST or FOSL) will be prepared to determine whether, and how, to proceed.

Comment A-9:

Page 1-5 Qualified Parcels definition: Explanation as to how qualified parcels may/may not be suitable to transfer is needed. See comment above regarding page 1-4.

Response:

See the response to Comment A-8.

Comment A-10:

SECTION THREE: Property Characterization

Page 3-5 Table - MAIN DEPOT MUNITIONS STORAGE: a) For each facility and igloo listed, it should be noted whether or not munitions were stored here. If so, specifically what types of munitions are/were they, for how long they were stored, whether the munitions were stored for eventual use or demilitarization, destruction and disposal, whether or not a release had occurred. b) If not, can the Army certify that no releases occurred? c) When describing the function of Facility 2202, "STR SHEN GP INS" needs to be explained.

Response:

a) The requested information was not obtainable from a review of readily available documents and records. Information on the type of munitions, the length of storage, or the eventual use is not believed pertinent to the determination of the environmental condition of the property. All readily available information on past releases has been documented in the EBS report.

b) The EBS report documented all of the known releases at SEDA.

c) The text has been clarified as requested.

Comment A-11:

Page 3-5. Munitions Storage: Munitions disposal areas should be differentiated from munitions storage areas.

Response:

We concur. Munitions disposal areas have been added to this section.

Comment A-12:

Page 3-11: The term "Training Ranges" is used, but not defined. A detailed explanation should be provided as to the type to training activities that took place at each area and where they are located.

Response:

The text has been revised accordingly.

Comment A-13:

Page 3-11: A detailed explanation should be provided to describe the weapons stored at SEDA that were considered to be "Special Weapons", e.g., type of weapons, length of storage, whether for disposal or release had occurred.

Response:

Due to the classified nature of the Special Weapons Mission at SEDA, detailed information is not available. General information regarding the radionuclides and general processes is being made available and has been incorporated into the Draft Final EBS Report.

Comment A-14:

Page 3-11: With regard to Building 373, what is meant by the "COV TRAIN AREA"?

Response:

This means "Covered Training Area"; the text has been revised accordingly.

Comment A-15:

Page 3-13 Table - SPECIAL WEAPONS AREA FACILITIES: a) For each building and igloo listed, it should be noted whether or not special weapons were stored there, If so, what types of weapons specifically are/were they, the time period for which they were stored, whether the weapons were stored for eventual use or demilitarization, destruction and disposal, whether or not a release has occurred. b) If not, the Army should certify that no releases occurred.

Response:

a) See the response to Comment A-13.

b) The records search and interviews conducted during the EBS documented all of the known releases at SEDA.

Comment A-16:

Page 3-22 Facility Support Activities, Hazardous Materials/Waste Management: From the descriptions in the text, almost all of areas described in this section over next few pages, with possible exception of family housing, should not be designated Category 1. If SEDA is claiming any of these as Category 1, justification should be provided.

Response:

Most of these areas are not in Category 1 parcels. Those that are in Category 1 parcels involve non-CERCLA related environmental, hazard, and safety issues and have been qualified accordingly.

Comment A-17:

SECTION 4.3 - Sources of Potential Contamination From Adjacent or Surrounding Property: A location map should be developed to supplement this section which shows SEDA and all potential sources of contaminated described in the text and in the tables of this section. The directions of groundwater flow/groundwater elevations should also be provided. This map should be drawn to scale and preferably larger than 8-1/2 inches by 11 inches.

Response:

An additional figure addressing adjacent property issues has been included in Section Four. The general direction of groundwater flow has been indicated in this figure.

Comment A-18:

Page 4.6 Non CERCLA Related Environmental, Hazard, and Safety Issues: Need to reconcile qualified acreage with tables (e.g., Exec Sum, letter report). Qualified acreage discussed here (P 4.6 et al) and presented in tables does not match.

Response:

Discrepancies regarding qualified acreages have been reconciled.

Comment A-19:

a) Table 4.1. Explain basis for priority designations, e.g., DOD Relative Risk Model or other.
b) Table includes "moderately low" designation not seen before in DOD Relative Risk Model.

Response:

a) SWMU identification and classification were conducted in accordance with the decision process presented in the IAG between USACE, EPA, Region II, and NYSDEC.
b) This designation was taken from the SWMU classification report.

Comment A-20:

SECTION FIVE

Table 5-1, Table 5-2 and text: a) Are Parcels 6, 13, 14, 15, etc. missing or non-existent? b) The rationale for numbering the parcels should be explained.

Response:

a) These parcels are non-existent.
b) As a result of the mid-EBS meeting between the BEC, GPM, and Woodward-Clyde, some parcel designations were changed and some parcels were grouped with others. The parcels were not renumbered to expedite the production of the Draft EBS Report. All parcels have been renumbered sequentially without gaps for the Draft Final EBS Report.

Comment A-21:

Table 5-2: All qualified parcels need to be shown on Figure 5.1. See comments above.

Response:

See the response to Comment A-3.

Comment A-22:

Page 5-43: a) The discussion/ definitions of qualified parcels needs to be consistent with pages 4.6 thru 4.11, e.g., asbestos discussion should include the "A" designator for areas of known asbestos problems that have not been fully remedied, b) PCB qualified parcels should be discussed.

Response:

a) We concur. Additional information has been added to Section 5.1.7.

b) A summary of PCB qualified parcels has been added to Section Five.

Comment A-23:

Page 5-44: It is strongly recommended that, here and throughout the document and related tables and figures, the qualification of known or potential UXOs be further differentiated to distinguish areas of storage from areas of disposal. See comments above pertaining to Figure 5.1, page 3-3 and page 3-5.

Response:

We concur. Areas of munitions storage have been differentiated from munitions disposal areas throughout the document and related tables.

Comment A-24:

Parcel 1(1)

AP-2 AST: a) SEDA should document or otherwise demonstrate that contamination from the leaking petroleum product has not migrated to Parcel 1(1). b) What steps have been taken to repair the leaking tank and ensure that no releases will occur in the future?

Response:

a) This site is off post, and no evidence was observed during the 1995 EBS records review or visual inspection of this adjacent property that any product has ever migrated to SEDA. From a groundwater flow perspective, it appears that Parcel 1(1) is in a crossgradient relationship to this source area.

b) It is not known if any actions have been taken. It is not the U.S. Army's responsibility to implement corrective actions on adjacent property not owned by the U.S. Army.

Comment A-25:

AP-3 Trash Dump: SEDA should document or otherwise demonstrate that the trash did not include any hazardous substances or petroleum products and that no migration occurred.

Response:

See the response to Comment A-24.

Comment A-26:

Parcel 2(1)

a) The spill records in Appendix A are dated from the late 1980s through the 1990s. It is possible that spills have occurred since 1940 but no documentation was kept. b) A detailed history of the Airfield activities dating from SEDA's inception until the present should be provided. c) A detailed map should also be provided which labels the aircraft parking areas, outdoor service areas, wash rack, tie down areas, etc. d) During the aircraft pre-flight check, what was done with the fuel that had been visually examined and what was the Army's practice if it had been determined that the fuel was of poor quality? e) Aerial photographs which include the airfield should be provided.

Response:

a) Comment noted.

b) Additional information regarding the airfield activities has been added to Section 3.3.

c) Additional labeling of the airfield on Figure 5-1 has been added.

d) Information regarding the disposal of poor quality fuel has been added to Section 3.3.

e) We respectfully decline to provide aerial photographs. The EBS format selected in consultation with the U.S. Army does not include provision of aerial photographs. Selected aerial photos were reviewed and evaluated for the EBS.

Comment A-27:

Parcel 65(2)PS(P)/HS(P): SEDA should prove that Parcel 2(1) has not been contaminated by migration of hazardous substances or petroleum products from this parcel.

Response:

Subsequent to the EBS field investigation, SEDA personnel investigated this site and found that the suspected UST was actually part of the old septic system and that the drums contained water. The drums were removed. Based on this new information, this parcel has been deleted. However, the area of the firing range remains qualified for UXO and has been designated as Category 1.

Comment A-28:

Section 5.1.7 Qualified Parcels: Parcel 136QX is not described in the text of this section.

Response:

The text has been revised to include a description of this parcel.

Comment A-29:

Parcel 67(6)PS/PR/HR: SEDA should document or otherwise demonstrate that Parcel 2(1) has not been contaminated by migration of hazardous substances or petroleum products from this parcel.

Response:

At present, the most severe contamination identified in Parcel 67(6) is associated with SEAD-4. From a groundwater flow perspective, this SWMU is located at the upgradient end of this parcel. Parcel 67(6) will be investigated as part of the ongoing investigations into SEAD-4 and through additional work at other localities identified in the EBS report. These investigations

will include groundwater sampling. If groundwater contamination is discovered at SEAD-4, its extent will be modeled at that time.

Comment A-30:

Parcel 3(1)

AP-1 Seneca County Highway Department yard: SEDA should document or otherwise demonstrate that contamination from leaking petroleum product has not migrated to Parcel 3(1).

Response:

This site is off post, and no evidence was observed during the 1995 EBS records review or visual inspection of this adjacent property to indicate that any product has ever migrated to SEDA. Furthermore, the problems at the source area can be characterized as poor housekeeping, and although there appears to have been releases, they also appeared to be minor in extent.

Comment A-31:

Parcel 4(1)

Parcel 26(2)PS: Although there has been no "documented" release associated with these USTs and ASTs, can SEDA demonstrate that contamination from leaking petroleum product has not migrated to Parcel 4(1)?

Response:

Since there is no documented evidence of a release in parcel 26(2)PS, there is no basis for suspecting a migration to the adjacent Parcel 4(1).

Comment A-32:

APPENDIX A - Database Search Report

Any property at or adjacent to a spill, leak, release etc. with the Remedial Status: "Case Open" cannot be claimed Category 1. Additional documentation should be provided to determine the appropriate category.

Response:

The available information for this parcel indicates that the designation as Category 1 is appropriate. Areas including open cases will be investigated and if potential impacts to adjacent areas are identified, the issue will be addressed at that time.

Comment A-33:

Spill Records:

Page #15: The records show that 1700 gallons of #2 Fuel Oil leaked at the Airfield Building 2305. The records also show that the case is closed with the cleanup complete. The Army should provide documentation of the spill investigation, determination of extent of contamination to groundwater, what measures were taken to cleanup the affected media, and what criteria were used to determine that the case should be closed.

Response:

Additional information provided after the EBS field investigation indicated that the database information is incorrect and that this incident was the 1,900-gallon fuel oil release from the LUST at Building 138, which was the basis for Parcel 60(5)PR. The U.S. Army is still attempting to obtain records from Fort Drum regarding this incident. If the records are not found, an additional investigation will be conducted.

Comment A-34:

Page #17 through Page #27 lists State Record Details of Spills, Lusts and Cleanups but no locations are given. None of the property on or adjacent to these incidences should be classified by the Army as Category 1.

Response:

Additional research now permits the mapping of the locations of these incidents. A revised map showing all of these locations has been included in the Draft Final EBS Report. It appears that none of these locations is on or adjacent to a Category 1 parcel.

Comment A-35:

USTS: The majority of the tanks state that no leak monitoring system is present. What assurance can the Army provide that these tanks have not leaked? Any appropriate documentation should be provided.

Response:

At present, the U.S. Army is in compliance with NYSDEC regulations regarding USTs and ASTs. If any leakage is detected as tanks are removed, appropriate action will be taken at that time.

Comment A-36:

APPENDIX D

Potential Asbestos Hazards - For each building where asbestos is present, it is important for EPA to know the condition of the asbestos (i.e. flaking, airborne, intact, etc.). This information should be provided in this table.

Response:

Asbestos surveys are scheduled, and the condition of any asbestos-containing materials will be documented once the surveys are completed.

Comment A-37:

Page D-3 and D-4 are illegible and should be resubmitted in legible form.

Response:

Legible copies of these tables have been provided in the Draft Final EBS Report.

Comment A-38:

Potential Radionuclide Hazards - this table should be expanded to include information on what was stored (weapons for active use, for demolition, ore, etc.) and the condition of the materials stored (unserviceable, in need for repair, obsolete, etc.). In addition to the storage areas, the

processes taking place in the shop, training facility, IDS/cctv section, process/condition ammo should be elaborated upon.

Response:

See the response to Comment A-13.

Comment A-39:

Potential UXO Hazards - EPA's November 8, 1995 Military Munitions Rule (page 56471) states that the Services also assign "condition codes" to ammunition. If available, this information should be provided in this table for the munitions stored in the buildings/parcels/igloos. If not available, can the Army certify that no releases occurred or provide a description of the condition of the munitions stored?

Response:

The Munitions Rule is not final. Furthermore, the "condition code" does not provide information regarding release. It is the U.S. Army's Safety Policy (AR 385.84) to decontaminant facilities when the potential for explosive contamination may exist. Moreover, all readily available information on past releases has been documented in the EBS report.

Comment A-40:

Potential Lead Based Paint Hazards - For each building where lead based paint could be present, it is important for EPA to know the condition of the paint (i.e. chipping, flaking, intact, etc.). This information should be provided in this table.

Response:

LBP surveys are scheduled, and the condition of any LBP will be documented once the surveys are completed.

A.3 RESPONSES TO STATE COMMENTS ON THE DRAFT EBS REPORT

A.3.1 RESPONSES TO NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION COMMENTS ON THE DRAFT EBS REPORT

ENTITY: New York State Department of Environmental Conservation

INDIVIDUAL: Kamal Gupta

TITLE: Bureau of Eastern Remedial Action, Division of Environmental Remediation

DATE: July 12, 1996

General Comments

Comment A-41:

1. Under the CERCLA program significant work of identifying waste disposal areas has been done and the results are available in the SWMU Classification Report, Site Investigation Reports and several RI/FS reports and work plans. A total of 48 Areas of Concerns (AOCs) were identified and these are listed in Table 4-1 of the EBS report, although the area encompassed by each AOC is not indicated; these AOCs also are not shown on figure 5.1 CERFA parcel map. Our review of two operable units consisting of five AOCs, Fire Training areas and Radioactive Waste sites indicate that the EBS classification has not included the entire areas of these operable units in Categories five or six. It is therefore possible that there may be other AOCs, which may have been incorrectly classified or their entire area may not have been included in the classification. In order to ensure that all areas of these sites are included in categories five, six or seven, Woodward-Clyde must show all 48 AOCs including their ground water plume on the CERFA Parcel Map and include the area of each AOC in Table 4-1 of the report.

Response:

We respectfully do not concur with the comment. Woodward-Clyde has made every effort to correlate existing AOCs with non-Category 1 CERFA parcels. We respectfully decline to add the 48 AOCs on the CERFA map because we believe that this will detract from the purpose of the map, which is to show the environmental condition of property. SWMU maps are available from SEDA.

Comment A-42:

2. Woodward-Clyde has summarized its investigation results in section 4.0 of the report, which were used in classifying each parcel of land. We are sure that Woodward-Clyde must have taken all the precautions that it has not missed or incorrectly classified any area. But at the same time without any reference of parcel number and label to identify each area, a reviewer of this report may not be able to verify the correct classification. We therefore strongly recommend that each area which has been listed in this section and Appendices D and E should also be identified by its parcel number and label.

Response:

The parcel number and label have been added to the tables in Section Four and to the tables in Appendices D and E.

Comment A-43:

3. Sampling and Analysis Recommendations: It appears that sampling and analysis have been recommended to verify whether or not contaminations exist at certain land parcel. If so, please provide a site plan of each area including its geology and hydrogeology, locations of sampling points and criteria used for the limited analysis. The results should be used for verification only, and not for classifying category three parcels (based on reported concentration).

Response:

This comment will be addressed in the Final SAR Report.

Specific Comments

Comment A-44:

1. Section 1.4 - Limitations: In a document as significant as this, a high level of detail is appropriate.

   a) This section states that a "statistically representative number of buildings" were inspected, how was a "random sample of 10 percent" determined to be statistically representative?

   b) What method was used to assure randomness in the selection of the buildings to be inspected?

   c) The section further states that buildings were grouped by "like usage and design". Was the 10 percent sample taken from the complete, unsorted, population of buildings at the Depot or from the like usage subsets?

Response:

a) The text has been revised to state that "approximately 10 percent of the buildings were surveyed."

b) A computer-based generation process was used to randomly select buildings to be inspected.

c) The 10 percent sample was drawn from each of the like usage subsets.

Comment A-45:

2. **Section 1.5.1 - Demographics**: It is surprising to find 1980 census data and 1990 census projections quoted in a document written in 1996. Much more recent census data are available. According to the 1990 census there were 33,683 persons residing in Seneca County. The projected population for this county in 1995 in 32,593, representing a reduction of 3.2%.

   Up-to-date and comprehensive census data is available from the United States Department of Commerce Bureau of the Census homepage located at www.census.gov on the Internet.

Response:

The 1990 census data has been incorporated into the Draft Final EBS Report.

Comment A-46:

3. **Section 2.1.1 - Existing Documents**: The table in this section which lists the documents reviewed by the consultants for this investigation lists the "Seneca Army Depot Activity Base Realignment and Closure 1995 Implementation Plan", (ID #SD2037) twice.

Response:

The second listing of this document has been deleted.

Comment A-47:

4. **Section 2.1.2 - Federal, State, and Local Government Regulatory Records**: This section states that a "remedial action is pending" at the Ash Landfill. It is true that a groundwater migration control remedy has yet to be selected. However, no mention of the interim remedial measure for contaminated soils at the Ash Landfill, which was completed in June of 1995, is made. It seems appropriate to mention such a significant remedial accomplishment somewhere in this document.

Response:

Additional discussion has been added to Section 2.1.2 and elsewhere in the report where the Ash Landfill OU is discussed.

Comment A-48:

5. **Section 2.1.3 - Aerial Photographs**: It is stated that analysis of aerial photographs indicated two areas (A and B) that "warranted in-depth discussion". This is the first and last time Areas A and B are mentioned in this document. Furthermore, no maps are included to indicate where Areas A and B are located. Please provide clarification.

Response:

Clarification has been provided in the Draft Final EBS Report.

Comment A-49:

6. **Section 3.2 - Installation History and Mission:**

   a) This section states that the facility now known as Seneca Army Depot once occupied 12,940 acres of land in Seneca County. It is later stated that Seneca Army Depot now encompasses 10,634 acres, but there is no explanation for the difference of 2,306 acres of land.

   b) Additionally, the 1993 Interagency Agreement notes that acreage of Seneca Army Depot to be 10,587. Please provide an explanation for these discrepancies and an accurate estimate of the current total acreage of the Depot.

Response:

a) At least two documents indicate that the original acquisition was approximately 10,600 acres. This number has been used in the Draft Final EBS Report.

b) As many as four different estimates of the size of SEDA were found in the documents reviewed. Presently, the most accurate estimate of the size of SEDA appears to be 10,634 acres. This number is taken from the 1995 *Base Realignment and Closure Plan* prepared by SEDA.

Comment A-50:

7. **Section 3.4.5 -Groundwater Monitoring Wells**: The report has made a significant error in stating that there are "twenty-nine groundwater monitoring wells" in place at Seneca Army Depot. There are approximately 40 groundwater monitoring wells in place at the Open Burning Grounds. Approximately 60 groundwater monitoring wells were installed during the investigation of the Ash Landfill. The consultant cites a 1991 Part 373 Permit Application for Hazardous Waste Management Facilities at Seneca Army Depot as the source for the count of twenty-nine monitoring wells. The consultant did not use current information in the preparation of this document.

Response:

We concur. An outdated source was used in preparing the section on groundwater monitoring wells. At present, over 100 monitoring wells have been installed at SEDA. The text has been revised accordingly.

Comment A-51:

8. **Section 4.1 - Previously Identified Sources of Potential Contamination**: As mentioned in comment number 4, the source control interim remedial measure for contaminated soils at the Ash Landfill was completed in June 1995 approximately eight months before this report was written. This section states that "an IRM is in progress to clean the source of contamination" at the Ash Landfill. Please correct this misstatement.

Response:

The text has been revised to clarify the current status of the Ash Landfill.

Comment A-52:

9. **4.2 - Potential Contamination Areas Identified During the EBS Investigation**:
   i. a) The table of Potential Contamination Areas should also include BRAC parcel Number, Label, area and location coordinates so that readers could correlate each area on a CERFA parcel map. b) Please also show these areas on a CERFA parcel map.
   ii. As the name implies, these areas are potentially contaminated areas and therefore should be confirmed by sampling whether or not contamination exists. A review of Sampling and Analysis Recommendations does not indicate that all areas are proposed for sampling.
   iii. Page 4-3. a) Please correct the first sentence which states "NYSDEC has compiled a list...". This list was compiled by the Army, not by the NYSDEC. b) Further a review of Appendix E, indicate that many potential areas of concern listed in the Army's letter of April 11, 1995 are not included in the table of Potential Contamination Areas. We don't believe that it is sufficient to eliminate a potentially contaminated areas based on the Woodward-Clyde's interviews of employees who **may** (emphasis added) have

knowledge of past activities. Unless the Army provides us sufficient justification, all the areas included in the Army's list should also be included in the table of Potential Contamination Areas.

iv. A potentially contaminated area should not be released for transfer or lease until that area is found to meet all the requirements of release.

Response:

i.a) The BRAC parcel number and label have been added to this table. Area and coordinates are not included since this information is in Table 5-1.

i.b) These areas are identified as parcels on the CERFA Map, Figure 5-1.

ii) This comment will be addressed in the Final SAR Report.

iii.a) The text has been corrected.

iii.b) We do not concur. It is the position of the U.S. Army that there is no longer sufficient justification to continue investigating these rumored sites as potential areas of concern. The U.S. Army believes that reasonable efforts have been expended, including interviews, records review, and visual inspections, to conclude that no additional investigation is warranted.

iv) Comment noted.

Section 5.1.2 - Category 2 Parcels:

Comment A-53:

10. **Parcel Number and Label 23(2)HS:** In the discussion, it is stated that the compound STB (super topical bleach) is stored in Building 333. We are unfamiliar with STB, and could the consultant provide an explanation of the uses of this compound and a material safety data sheet.

Response:

STP is a concentrated bleach that is used to wash off chemical and biological contamination. This material was stored, but not used at SEDA. The U.S. Army will provide a MSDS on this substance.

Comment A-54:

11. **Parcel Number and Label 65(2) PS(P)/HS(P):** The text correctly designates this parcel as category 6, but figure 5-1 and the parcel label incorrectly shows it as category 2. Please correct this discrepancy.

Response:

See the response to Comment A-27.

Section 5.1.3 - Category 3 Parcels:

Comment A-55:

12. **Parcel Number and Label 51(3)HR:** Please correct CERFA map location for parcel 51(3)HR. It should be 23, 20 instead of 23, 2.

Response:

We concur. However, because of an incorrect scale used in the Draft EBS Report, all map coordinates will be different in the Draft Final EBS Report.

Comment A-56:

13. **Parcel Number and Label 114(3)PS/PR/HS:** It is reported that large quantities of petroleum products were spilled in this building. The extent of the impact from these spills has not been determined. We, therefore, do not agree with a category three designation. This parcel should be designated category six.

Response:

This facility is an auto hobby shop where only automobiles were serviced. The description of large quantities in the Draft EBS Report overstated the problem, which is better described as numerous small quantity spills. Furthermore, procedures were in place to make sure the spills were cleaned up as they occurred. When this facility was closed and the hydraulic lifts removed, sampling of interior surfaces was also conducted. This additional explanatory information further supports designation as Category 3 and has been added to the text.

5.1.4 Category 5 Parcels:

Comment A-57:

14. **Parcel Number and Label 61(5) HR**: An operable unit consisting of Sead-12A, 12-B, 48, 63 and the open area north of igloos within "Q" area has been formed and an RI/FS is in progress. Since historical information is classified, it was believed that disposal of classified equipment and waste might have taken place within the open area and, therefore, the Army included the open area into the scope of the RI/FS. The EBS classification has incorrectly classified this open area as category one, but should be changed to category six.

Response:

We concur. Based on information made available after the 1995 EBS field investigation, a parcel corresponding with the area covered in the proposed RI/FS workplan for SEAD-12 has been created.

Comment A-58:

15. **Table 5-1 - CERFA Parcel Map**: This map is difficult to read. In its black and white form the shadings of several of the different categories are indistinguishable from each other. Perhaps hatch marks would aid in distinguishing the various categories.

Response:

A color coded CERFA map was provided after the initial release of the Draft EBS Report and will also be included with the Draft Final EBS Report.

Section 5.1.5 - Category 6 Parcels:

Comment A-59:

16. **Parcel Number and Label 66(6)PR**: It is reported that a spill of fuel oil occurred in this area, but there are no records to indicate that the spill was completely cleaned. No information is available indicating whether or not the fuel oil has migrated to the groundwater. In the absence of any information, the groundwater flow direction should

be determined and the parcel of land which is downgradient to the spill area should also be classified as category six.

Response:

We do not concur. At present there is no evidence that the groundwater has been impacted by this spill. Groundwater will be investigated as part of the planned remedial activities at this parcel. If groundwater contamination is detected, then the issue of migration will be addressed.

Comment A-60:

17. **Parcel Number and Label 90(6) HR:** It appears that the boundaries of this parcel are limited to the area covered by the fire training pad. Since groundwater is impacted by BTEX and chlorinated solvents, the boundaries of this parcel should also include the area occupied by the groundwater plume.

Response:

Based on information made available after the EBS field investigation, we concur with this comment. The parcel has been expanded to correspond with the boundaries as shown in the *RI/FS Workplan* for this SWMU.

Comment A-61:

18. **Appendix D, Table - Potential Radionuclide Hazards at Seneca Army Depot:** a) Two storage igloo, B0709 and C0308, are listed in this table but do not appear on the map in Figure 5-1. b) Storage igloo E0312 is listed twice in this table. c) Furthermore, the SEAD-48 pitchblende storage igloos (E0802-E8011) which has already been determined to be impacted by radionuclide contamination are not included in this table. Please correct these errors.

Response:

a) Figure 5-1 has been corrected to show storage igloos B0709 and C0308.

b) The second listing of this igloo has been deleted.

c) All of Parcel 57(5), including these igloos, has been qualified for radionuclides.

A.4 RESPONSES TO U.S. ARMY MATERIEL COMMAND COMMENTS ON THE DRAFT EBS REPORT

The U.S. Army Materiel Command did not comment on the Draft EBS Report.

A.5 RESPONSES TO U.S. ARMY ENVIRONMENTAL CENTER COMMENTS ON THE DRAFT EBS

ENTITY: U.S. Army Environmental Center

INDIVIDUAL: John P. Buck

DATE: July 3, 1996

General Comments:

Comment A-62:

Enclosure 1 is a memorandum from the AMC Legal Office describing the requirements for hazardous waste storage notification under CERCLA 120(h). In order to expedite any real estate transactions, recommend that tables described in the memorandum be an appendix to the EBS.

Response:

This memorandum was not included with the copy of these comments provided to Woodward-Clyde. The installation will decide on whether to include the referenced tables or not.

Specific Comments:

Comment A-63:

1. Page 1-2, Sect. 1.2, 1st para.

EBS also calls for a tour of adjacent properties if possible as well as interviews with current and former employees. Include these in the list of activities.

Response:

We concur. This information has been added to the text.

Comment A-64:

2. Page 1-6, Section 1.4, 1st para.

Recommend deleting first sentence. Remaining portion of the paragraph is a sufficient disclaimer.

Response:

The sentence has been deleted.

Comment A-65:

3. Page 3-22, Section 3.4.1, last para.

Could not find Section 5.1.2.1 referenced in the last sentence. This section is referenced frequently.

Response:

The appropriate section is 4.1. All references to Section 5.1.2.1 have been changed to Section 4.1 in the Draft Final EBS Report.

Comment A-66:

4. Page 3-26, Section 3.4.4, 1st para.

If available, testing results of the water supply would be appropriate.

Response:

This information was not readily available during the records review.

Comment A-67:

5. Page 4-2, Section 4.2

It is unclear how the sites listed in this table are addressed in the parcel map. It would be appropriate to identify with an additional column how these sites were characterized.

Response:

We concur. This information has been added to the table.

Comment A-68:

6. Page 4-7, Section 4.4.1.3

The second sentence states "...(either suspected in the surveyor not surveyed and constructed prior to 1985).." this sentence implies that no asbestos containing material could be present in post 1984 construction. Unless there are specific building design documents confirming this statement, it is unclear how this assumption can be make. Please clarify statement.

Response:

The BRAC 95 EBS/BCP guidance states, "If no survey data is available, buildings which were constructed prior to 1985 are assumed as containing asbestos. An 'A(P)' for possible presence of asbestos will be used in the qualified parcel designation."

Comment A-69:

7. Page 4-11, section 4.4.7

The last sentence states that no designation was given to non-CERCLA herbicide/pesticide areas at Seneca, specifically Bldg. 606. Since Building 606 was used to store pesticides it should be placed in either Category 1 or 2 depending on the time of storage, presuming there has been no release. Only the application of pesticides on the ground according to FIFRA specifications exempts pesticides/herbicides from CERFA category designations.

Response:

This building is included in Parcel 74(6)PS/HS/HR. The designation referred to is in regard to qualifiers. This section has been clarified in the Draft Final EBS Report.

Comment A-70:

8. Page 5-2, Section 5.1.1, BRAC Parcel 4(1)

Due to the small size of this parcel recommend combining it with the surrounding Parcel 26(2)PS for simplicity.

Response:

At the request of the BEC, this small parcel has been retained.

Comment A-71:

9. Page 5-3, Section 5.1.2, BRAC Parcel 5(2)PS/HS

It would appear that most of this parcel could be designated as Category 1 based on the size of the USTs (less than 600 gallons) with only selected sites being Category 2.

Response:

The cumulative effect of many small USTs concentrated in this area leads to a designation of the entire area as Category 2.

Comment A-72:

10. Page 5-4, Section 5.1.2, BRAC Parcel 8(2)PS

BRAC Parcel 8(2) is at map coordinate 23,8 not 22,8. Discrepancies at other sites were also noted. Recommend checking all parcels for proper map designations.

Response:

The map coordinates for this parcel have been changed. Other coordinates have also been checked. Also see the response to Comment A-55.

Comment A-73:

11. Page 5-8, Section 5.1.5,m BRAC Parcel 26(2)PS

It would appear that most of this parcel could be designated as Category 1 based on the size of the USTs (less than 600 gallons) with only selected sites being Category 2.

Response:

The cumulative effect of many small USTs concentrated in this area leads to a designation of the entire area as Category 2.

Comment A-74:

12. Page 5-14, Section 5.1.2, BRAC Parcel 65(2)PS(P)/HS(P)

It is unclear what category this parcel should fall into since there is a reference to a potential release and the last sentence indicates its a Category 6 yet it is labeled Category 2. Recommend confirming the parcel designation.

Response:

See the response to Comment A-27.

Comment A-75:

13. Page 5-15, Section 5.1.3, BRAC Parcel 52(3)HS/HR

Recommend this parcel be Category 4 due to the remediation that had taken place.

Response:

We do not concur. Other than mopping up of small quantities of spilled materials that were contained within shipping containers, no remediation has taken place or appears to have been required.

Comment A-76:

14. Page 5-16, Section 5.1.4, BRAC Parcel 55(5)PR(P)/HR

Recommend this parcel be Category 6 since no removal or remedial actions have been conducted.

Response:

We concur. This parcel has been changed to Category 6.

Comment A-77:

15. Page 5-28, Section 5.1.5., BRAC Parcel 87(6)HS/HR(P)

This comment refers to this parcel and any other parcel where there was a reference to the USATHAMA study which concluded that the uncovered ore could migrate into the environment through air disposal of dust or through particulate transport of surface water

runoff. Since there has been no study to determine whether or not this transport has occurred at Seneca, it would appear these parcels should be designated Category 7, not Category 6. Category 6 implies that cleanup is required yet this cleanup requirement has not yet been demonstrated.

Response:

We do not concur. At a minimum, the cleanup required is removal of the ores, as they are a potential source of contamination. This information has been added to the text.

Comment A-78:

16. Page 5-29, Section 5.1.5, BRAC Parcel 91(6)HS(P)/HR(P)

It would appear these parcels should be designated Category 7, not Category 6. Category 6 implies that cleanup is required yet this cleanup requirement has not yet been demonstrated.

Response:

We concur. This parcel has been changed to Category 7.

Comment A-79:

17. Page 5-33, Section 5.1.5, BRAC Parcel 104(6)HS/HR(P)

It would appear these parcels should be designated Category 7, not Category 6. Category 6 implies that cleanup is required yet this cleanup requirement has not yet been demonstrated.

Response:

Limited sampling conducted at this location detected pesticide compounds in soil above NYSDEC TAGM values. This information has been added to the Draft Final EBS Report.

Comment A-80:

18. Page 3-43, Section 5.1.7, first bullet

See Comment # 6.

Response:

See the response to Comment A-68.

A.6 RESPONSES TO U.S. ARMY CORPS OF ENGINEERS COMMENTS ON THE DRAFT EBS REPORT

The U.S. Army Corps of Engineers did not comment on the Draft EBS Report.

A.7 RESPONSES TO OTHER COMMENTS ON THE DRAFT EBS REPORT

A.7.1 RESPONSES TO PARSONS ENGINEERING SCIENCE, INC. COMMENTS ON THE DRAFT EBS REPORT

ENTITY: Parsons Engineering Science, Inc.

INDIVIDUAL: Michael Duchesneau, P.E.

TITLE: Project Manager

DATE: May 2, 1996

General Comments

Comment A-81:

a) This EBS report reflects a lack of familiarity with the Seneca Army Depot Activity (SEDA) particularly in regard to the status of SWMUs, the current boundaries of the sites, and other relevant details of the planned RI/FS investigations. b) Of particular concern is the inclusion of areas of SEAD-12 in BRAC Parcel 3(1), which is a Category 1 parcel. SEAD-12 emcompasses most of the former Special Weapons area and is scheduled for a RI/FS. The EBS report proposes sampling to be conducted in several buildings which are within SEAD-12 and have already been scheduled for sampling in the Project Scoping Plan for a CERCLA RI/FS at SEAD-12. The EBS report developed parcels that are a combination of SWMUs, which are scheduled for a RI/FS, and sites, which do not require further investigation. c) In addition, the boundaries of SEAD-4, SEAD-16, SEAD-45, SEAD-57, SEAD-64D, and the Ash Landfill are incorrectly shown on Figure 5-1. d) It appears that portions of these SWMUs are classified as part of BRAC Parcel 3(1) and the boundaries of these SWMUs have been extended or reduced without explanation.

Response:

a) Comment noted.

b) See the response to Comment A-57.

c) SWMU boundaries are not shown in Figure 5-1; parcel boundaries are shown. Some parcels have combined SWMUs for simplicity in identifying the environmental condition of a property type.

d) SWMU boundaries have not been changed since Woodward-Clyde was not tasked to do so. Some areas that contain SWMUs have been combined with additional areas of concern that were not previously identified.

Comment A-82:

Currently, six facilities on SEDA are operating as RCRA TSD facilities under the interim status provisions of RCRA. Interim status allows a facility to operate as a TSD facility while the RCRA Part B permit application process is ongoing. These facilities include Buildings 301, 307, 367, and 803, the Open Detonation (OD) grounds, and the Open Burning (OB) grounds. SEDA completed Part A of the RCRA permit application and is pursuing a Part B RCRA Permit for these facilities which is currently under review by the RCRA branch of NYSDEC. The final attachment of the Part B Permit is the operation of the OB and OD grounds. These facilities are regulated by Subpart X of RCRA as a miscellaneous unit. RCRA closure and post-closure requirements apply to all hazardous waste management units that have interim status or a permit pursuant to Part B. Therefore, these facilities are required to meet EPA and NYSDEC closure and post-closure requirements and should be classified as Category 7 parcels pending completion of the closure activities.

Response:

We do not concur. Completion of all investigation or closure activities at a parcel is not necessary in order to classify that parcel as a category other than 7. When classifying a parcel, the determining factor is whether or not sufficient information exists to determine the appropriate category. In most cases, the appropriate category can be determined based on a much more limited data set than is required for closure or for completion of an RI.

Comment A-83:

The U.S. Army commissioned the "Solid Waste Management Unit Classification Report" for SEDA to evaluate the effects of past solid waste management practices at identified SWMUs on the facility and to classify each SWMU as either a No Action SWMU or as an area of concern (AOC). AOCs include both SWMUs where releases of hazardous substances may have occurred and locations where there has been a threat of a release into the environment of a hazard substance or constituent. In accordance with the decision process outlined in the Interagency Agreement (IAG), ESIs were performed at SWMUs that were classified as AOCs. If the conclusion of the ESI report was that an AOC posed a threat to human health, welfare, or the environment, the Army could perform a removal action to eliminate the threat or conduct further investigations at these sites to determine the extent of contamination and to develop remedial actions based on the results of the investigations. All SWMUs and AOCs requiring further investigations including a RCRA facility investigation, mini-risk assessment, or limited sampling should be classified as Category 7 parcels.

Response:

See the response to Comment A-82.

Comment A-84:

Identification and classification of SWMUs was conducted by the Army in accordance with the decision process outlined in the IAG between the U.S. Army Corps of Engineers (USACE), the U.S. Environmental Protection Agency (EPA), Region II, and the New York State Department of Environmental Conservation (NYSDEC). The EPA and NYSDEC reviewed the proposed list of SWMUs, their classifications, and all relevant data and information used to make this determination, and determined whether the proposed classifications were correct. Reference in the EBS report to Engineering Science determining the classification of the SWMUs should be removed.

Response:

The appropriate language for SWMU classification has been incorporated into the Draft Final EBS Report. References to Engineering Science classifying the SWMUs have been deleted.

Comment A-85:

The site maps for this report are inadequate. The only site plan which is presented in the first four sections in Figure 3-1 which shows minimal details of the site. Buildings and areas are presented in the text and their locations referenced to areas of the Depot which have not been described or shown on a sitewide map. It would also be very useful to have additional maps showing areas of the Depot which can be used in conjunction with the description in the text.

Response:

A detailed site map has been included in this section of the Draft Final EBS Report.

Comment A-86:

In Section 5, the location of parcels was described in reference to areas of SEDA, however, the location of these areas on the depot were not described or presented on a site plan. The areas include the Duck Pond Area, Elliot Housing, Main Depot, IPE Area, Warehouse Area, Ammo Area, 50 Area, and Colonels Row. According to site personnel, the main areas of the depot include the Ammunition Area which is the fenced area in the central portion of the depot; the North Depot Area which includes the former Special Weapons Areas (or Q) and the North Administration Area; and the Administration Area, which is located on the western portion of SEDA near the Main Gate.

Response:

The six main areas identified in Section Three are taken from the *Future Development Plan* and are based on function and depot history. Since the Master Plan addresses land use issues and because the ultimate goal of the BRAC program is efficient reuse, the use of these six areas is appropriate. Additional areas within these six main areas have been described in Section Three and added to Figure 3-1.

Comment A-87:

It appears that areas of the site are referred to by different designations within the text. This is confusing particularly in Section 5 which presents the parcels and their corresponding category.

For example, the area in the northern portion of the site was referred to as the North Depot Area, North Storage Activity, North Depot Area, and the North Administration Area.

Response:

Inconsistencies such as these have been rectified.

Comment A-88:

Regarding the general organization of the report, it is confusing to have some tables at the end of a section and other tables embedded within the text without table numbers. Either all tables should be at the end or incorporated into the text.

Response:

Comment noted. Tables that are essential to the text and facilitate presentation of essential information have been included within the text. Tables that support information presented in the text or are multiple pages in length are included after a section.

Section 1

Comment A-89:

#1 Page 1-3. Section 1.3 Definitions of Terms

The definition of hazardous substances should be expanded. Hazardous substance is defined as in CERCLA with the addition of fuels and other petroleum products. The definition includes Clean Water pollutants, RCRA hazardous wastes, Clean Air Act hazardous air pollutants, Toxic Substances Control Act imminently hazardous substances, and any other substances designated as hazardous under CERCLA Section 102.

Response:

This section of the EBS report points the reader to the appropriate regulations defining hazardous substances. The definition used here is from scope and guidance documents provided by the U.S. Army.

Comment A-90:

#2 Page 1-7. Section 1.5.2 Physical Setting

The text states that the Seneca Army Depot Activity is an active military facility. Since the depot has been included on the BRAC95 list, this statement should be qualified by stating that the primary mission of SEDA is closure under BRAC95.

Response:

We do not concur. Closure as the primary mission is stated on page 3-2 where other aspects of the mission of SEDA are also described.

Section 2

Comment A-91:

#3 Section 2.1.1 Existing Document

The document identification number is not referenced in the CERFA map table (Table 5-1) as stated. Also, Table 5-1 presents the BRAC Parcel descriptions.

Response:

Document reference numbers have been added to Table 5-1a.

Comment A-92:

#4 Page 2-2 Table

The correct title for document number SD2013 is Expanded Site Inspection Report , Seven High Priority Areas of Concern, Seneca Army Depot, Romulus, New York.

Response:

The title in the Draft EBS Report is as it appears on the title page of the document in question.

Comment A-93:

#5 Page 2-2 Table

The correct title for document number SD2014 is Expanded Site Inspection Report , Three Moderate Priority Areas of Concern, Seneca Army Depot, Romulus, New York.

Response:

The title in the Draft EBS Report is as it appears on the title page of the document in question.

Comment A-94:

#6 Page 2-2 Table

The correct title for document number SD2015 is Expanded Site Inspection Report , Eight Moderately Low Priority Areas of Concern, Seneca Army Depot, Romulus, New York.

Response:

The title in the Draft EBS Report is as it appears on the title page of the document in question.

Comment A-95:

#7 Page 2-3 Table

Document number SD2037 is listed twice in the table.

Response:

The second reference to this document has been deleted.

Comment A-96:

#8 Page 2-3. Section 2.1.2 Federal, State, and Local Government Regulatory Records

Were any local records such as local fire department records reviewed concerning spills?

Response:

Inquiries were made regarding the availability of local records. There were none available.

Comment A-97:

#9 Page 2-6. Spill List

One spill case appear as to be open, however the facility is unknown. Can more information be obtained regarding this spill?

Response:

Additional information provided by SEDA with their comments in the Draft EBS Report indicates that this spill is associated with Buildings 2134. This information has been added to this table.

Comment A-98:

#10 Page 2-7 Leaking Underground Storage Tanks List

One case appears to be open at Building 2305. Will any further investigation be conducted? BRAC Parcel 8(2) is the 1000 gal. tank associated with this building.

Response:

Based on additional information provided by SEDA after the EBS field investigation, the building associated with this LUST is actually Building S-311, which is located within Parcel 94(6).

Comment A-99:

#11 Page 2-7. Section 2.1.2. Federal, State, and Local Government Regulatory Records

The definition of a Class One violation should be added to the text.

Response:

We do not concur. A Class One violation involves a release that poses a threat to human health and safety. Since SEDA has not been cited for this type of violation, we do not see any reason for including this information.

Comment A-100:

#12 Page 2-7. Section 2.1.2. Federal, State, and Local Government Regulatory Records
The text states that there are outstanding compliance issues involving TSD-closure and post-closure requirements. This should be discussed in more detail either here or later on in the text.

Response:

Additional discussion of this has been added to this section.

Comment A-101:

#13 Page 2-12. Section 2.1.6 Visual Inspections
Paragraph 3
Although the area surrounding SEDA is generally populated farmland, there are areas adjacent to the site where the population density is slightly higher. These include residences on the western boundary of SEDA along Route 96A and Romulus Village on the eastern boundary of SEDA. More specifically, records show that approximately 11 residences in the town of Varick are located adjacent to the northwestern border of SEDA.

Response:

Comment noted.

Section 3

Comment A-102:

#14 Page 3-2. Section 3.3 Description of Facilities
a) This section of the report should be expanded to include a more detailed site description. Subsequent sections of the report discuss the location of parcels in reference to an area of the depot, however some of these areas were not described or shown on a site map. For example, the Ammunition Storage Area, which is located in the central portion of the depot, and the duck pond, which is located in the northwest corner of the depot, were not described or located on the SEDA map. Because of the

large size of the depot, it may be useful to add a description of the depot by area and discuss the activities and types of buildings which are located in each area. A more complete description of the depot early in the report would make the description of the parcels and their locations more meaningful.

b) Furthermore, areas of the depot are referenced by different titles in various sections of the text. In particular, the North Depot Area is also called the North Depot Activity. According the SEDA personnel, this area is referred to as the North Depot Area and includes the North Administrative Area and the former Special Weapons Area, or the Q.

c) The area referred to as the South Depot Area in this report is designated as the Administrative area according to SEDA personnel. This area includes administrative buildings, Elliot Acres housing, warehouses, and support buildings. This is also the location of the Main Gate.

d) Figure 3-1 should be revised to show all the areas described in the text and to indicate the proper designation for each area.

Response:

a) We do not concur. The description of the depot by area and associated activities and buildings is provided in Section 3.3.1.

b) Inconsistencies will be rectified.

c) Inconsistencies will be rectified.

d) Additional areas has been added to this map, where appropriate.

Comment A-103:

#15 Page 3-5. Section 3.3.1 Mission Related Activities

a) This section is confusing to read. The text under the section titled, Munitions Storage, which begins with "Seneca Army Depot Activity has been used for ...." should be moved to Section 3.3.1 and used as an introduction to Section 3.3.1.1.

b) The term Main Depot Area seems to include a large area of the depot. The list of munitions storage facilities which are located within the Main Depot Area could be

located anywhere within the depot. It is difficult to determine in what areas of the facility the buildings, sheds, and igloos may be located.

Response:

a) Comment noted. This section has been revised to differentiate munitions storage from munitions disposal activities.

b) Comment noted.

Comment A-104:

#16 Page 3-5. Section 3.3.1.1 Main Depot Area

Munitions disposal activities were also carried out in other facilities on the depot in addition to the OB/OD grounds such as the Munitions Washout Facility.

Response:

See the response to Comment A-103a.

Comment A-105:

#17 Page 3-5 Table-Main Depot Munitions Storage

a) The function for facility 2086 has been capitalized and abbreviated. There should be a footnote stating the reason for highlighting this facility.

b) Generally, it would also be more informative if abbreviations were not used. For example, facility 2202 appears later in the table with the abbreviated function, STR SHEN GP INS. Tables which appear later in the text also have these abbreviations and capitalizations. These tables should also be revised.

Response:

a) This facility was not intended to be highlighted. The description was taken verbatim from SEDA's real property inventory listing. Abbreviations have been spelled out in the Draft Final EBS Report.

b) Abbreviations have been spelled out in Draft Final EBS Report.

Comment A-106:

#18 Page 3-7. Table-General Purpose Storage Facilities

What does STORAGE GP INST., STORAGE GP DEP/STD., AMMO STRS DEP/STORAGE, and CONT HUM WH DEP/WAREHOUSE mean?

Response:

Abbreviations have been spelled out in the Draft Final EBS Report.

Comment A-107:

#19 Page 3-8. Industrial Operations

a) The first sentence of the section states that industrial activities have included the restoration of conventional and guided missile ammunition, maintenance, and demilitarization of ammunition. It is unclear what type of general maintenance was conducted. Does this relate to munitions or to support facilities or both?

b) The types of effluents and their migration pathways from these activities will vary depending on the type of industrial operation. For example, general maintenance activities would not have explosives and certain heavy metals associated with explosives. Therefore, the discussion of effluents should be separated according to the type of industrial operation.

c) It is unclear in the following paragraphs where demilitarization is conducted. Is it part of the ammunitions restoration list on page 3-9?

d) The Burning Ground is referred to as the Open Burning Ground. This should be changed in the text.

e) Are the self-contained degreasing units disposed of by the contractor off-site?

Response:

a) The maintenance referred to here is munitions maintenance. The sentence has been revised for clarity.

b) We do not concur that the effluents need to be separated in this section of the EBS report. The intent of this section is to provide a general discussion of the activities at SEDA that could lead to environmental concerns.

c) This section has been clarified.

d) The text has been revised accordingly.

e) Yes. This information has been added to the text.

Comment A-108:

#20 Page 3-9. Main Depot Munitions Restoration Facilities Table

The area of the facility for Building 2109 is not listed.

Response:

Additional research by SEDA personnel into the real estate records was unable to confirm that this facility exists. Reference to it has been deleted.

Comment A-109:

#21 Page 3-10

Where is the IPE Area? This should be presented earlier in report.

Response:

See the response to Comment A-86.

Comment A-110:

#22 Page 3-11 Industrial Plant Equipment Area Facilities Table

Indicate what STORAGE GP DEP means.

Response:

See the response to Comment A-105b.

Comment A-111:

#23 Page 3-10. Administration

a) It is unclear whether Main Depot administration activities are carried out in one area or the North Depot Area and the Administrative Area. b) Also, why is Flammable Storage included under Administration? Either create another category, or add more discussion as to what is considered to be an administration activity.

Response:

a) Comment noted. The text has been clarified.

b) For clarity, an additional discussion has been provided.

Comment A-112:

#24 Page 3-11. Training Ranges

a) In the table, what does COV TRAIN. AREA mean? b) If building 373 contains 1052 square feet, where are the remaining 899.98 acres associated with training ranges.

Response:

a) See the response to Comment A-105b.

b) The remaining acres used for training are located at various places around SEDA. Additional discussion of these training areas have been added to the text, as well as the statement that training was discontinued on July 31, 1996.

Comment A-113:

#25 Page 3-11. Table-North Depot Area Facilities

What do ACS CTR and HHC mean? The remaining abbreviations should also be spelled out.

Response:

See the response to Comment A-105b.

Comment A-114:

#26 Page 3-11. North Depot and Special Weapons Areas

Is there a difference between the North Depot Activity mentioned on page 3-1, the North Storage Activity, and the North Depot Area?

Response:

The North Depot Activity is the original name for the area referred to in the Draft EBS Report as the North Depot Area. The reference to North Storage Activity on page 3-11 has been changed to read North Depot Activity.

Comment A-115:

#27 Page 3-14. Section 3.3.1.3 South Depot Area

A map of the South Depot Area would be helpful.

Response:

Comment noted. This area is illustrated on the CERFA map, Figure 5-1.

Comment A-116:

#28 Page 3-17 Section 3.3.1.4 Airfield

A map of the area would be helpful.

Response:

Comment noted. This area is illustrated on the CERFA map, Figure 5-1.

Comment A-117:

#29 Page 3-18 Table-Airfield Area Facilities

What does MG TRANS RG stand for? Spell out all function terms.

Response:

See the response to Comment 105b.

Comment A-118:

#30 Page 3-21 Section 3.3.2 Tenant Missions

Add a description of the location of the LORAN-C station and the Defense Reutilization and Marketing Office holding area.

Response:

The locations of these areas have been described in the text.

Comment A-119:

#31 Page 3-22 Section 3.4.1 Hazardous Materials/Waste Management

a) In the second paragraph, the Building number should be 307. b) A description of the general location of all the facilities discussed in this section would be useful.

Response:

a) We concur. This change has been made.

b) We do not concur. Building locations can be found on the tables presented in Section 3.3.

Comment A-120:

#32 Page 3-22 Section 3.4.1 Hazardous Materials/Waste Management

The discussion of ordnance detonation and burning activities should describe the status of the RCRA permit and required closure activities associated with the permit.

Response:

Comment noted.

Comment A-121:

#33 Page 3-23 3.4.1 Hazardous Materials/Waste Management
Building 803 is located in the former Special Weapons area. The location of this building should be added to the text.

Response:

We do not concur. Building locations can be found on the tables presented in Section 3.3.

Comment A-122:

#34 Page 3-23. Section 3.4.1 Hazardous Materials/Waste Management
The USATHAMA report, Update of the Initial Installation Assessment of Seneca Amy Depot, NY (August 1988) presents a list of the types of ore piles as well as a figure locating the ore piles.

Response:

Comment noted. Additional ores have been added to the section.

Comment A-123:

#35 Page 3-24. Section 3.4.1 Hazardous Materials/Waste Management
a) In the last paragraph on this page, a "single operable unit" is described as being a composite of five SWMUs. For clarity, this area should be designated in the text as Ash Landfill because a RI/FS has been conducted at the Ash Landfill and several reports have been issued concerning this area designated as the Ash Landfill.

b) Where is Building 2203? Throughout the text, the location of SEAD-64D is described as being west of Building 2203, however, this structure is not shown on Figure 5-1. It would be clearer to have a site location map for these sites.

Response:

a) We concur. The text has been changed to indicate that this OU is referred to as the Ash Landfill.

b) The location information regarding this SWMU was taken from the *Solid Waste Management Classification Study* prepared by Engineering Science. Building 2203 appears to

be a loading platform located along the North-South Baseline Road. This facility has been labeled on Figure 5-1 in the Draft Final EBS Report.

Comment A-124:

#36 Page 3-25. Section 3.4.1 Hazardous Materials/Waste Management

a) It may be more appropriate to have the description of the Ash Landfill in Section 3.4.2 Solid Waste/Landfill Management.

b) There are several disposal areas located on SEDA which are not discussed in the text. For example, SEADs 64A, B, and C were used as garbage disposal areas in the past, and SEAD-11 was a construction debris landfill which was used between 1946 and 1949.

Response:

a) We concur. Discussion of the Ash Landfill has been moved to Section 3.4.2.

b) Discussion of additional disposal areas has been added to the text.

Comment A-125:

#37 Page 3-26. Section 3.4.5 Groundwater Monitoring Wells

a) The text status that 29 wells groundwater monitoring wells are in place at SEDA. This is incorrect. Groundwater monitoring wells have been installed as part of the ESI and RI field programs at approximately 25 sites on the Depot.

b) Reference in the text to the old landfill in confusing because there is more than one old landfill on the Depot.

Response:

a) The text has been changed to indicate that over 100 groundwater monitoring wells have been installed at SEDA.

b) The text has been changed to indicate that 47 monitoring wells are in place at the Ash Landfill.

Comment A-126:

#38 Page 3-27. Section 3.4.7 Sewage Treatment

The text refers to the South Administration and Warehouse area. This has not been described before in the report. Does this refer to the South Depot Area? These areas should be described and shown on a site map earlier in the report or the designations should be consistent.

Response:

See the response to Comment A-86.

Comment A-127:

#39 Page 3-28. Section 3.4.12 On-Site Housing

The text refers to on-post housing at the North End. It is unclear where this area is located on the Depot. Should this be the North Depot area?

Response:

We concur. This should be the North Depot Area. The text has been revised accordingly.

Comment A-128:

#40 Figure 3-1

a) This figure is inadequate to support the text. The site plan should be larger to show more details of the site which are discussed in the text. b) A legend should be added to this figure to describe the designation, AP-1, and the boundary lines. c) It is unclear what is the SEDA boundary line and what are sections of the depot because the same line type is used. It would be more appropriate to use different line types to distinguish between the areas within the depot and the depot boundary.

d) Each area of the site which is referenced in the text should be shown on this figure. For example, the following areas are presented in the text but are not shown on a site plan: the Duck Pond, the OB/OD grounds, the Property Disposal Yard, the IPE area, the Ash Landfill.

Response:

a) We concur. This figure has been revised for the Draft Final EBS Report.

b) We concur. A legend has been added to this figure.

c) We concur. A different line type has been used to distinguish the SEDA boundary from the area boundaries.

d) See the response to Comment A-86.

Section 4

Comment A-129:

#41 Page 4-2. Section 4.2 Table-Potential Contamination Areas
Areas presented in the table are unclear. For example, what area is included in the Main Depot area and where is the Ammo Area? The locations of the facilities described as "undeveloped area near shale pit" and the "50 Area" are not presented on a site map.

Response:

Areas presented in this table have been revised to correspond with those shown in Figure 3-1.

Comment A-130:

#42 Page 4-3. Section 4.3 Sources of Potential Contamination from Adjacent or Surrounding Property
Were local fire departments contacted for records of response to incidents on adjacent properties relating to actual or potential spills or releases of hazardous substances including fuels?

Response:

See the response to Comment A-96.

Comment A-131:

#43 Page 4-7. Section 4.4.2 Lead-Based Paint

Where and what is "Colonels Row"? This area should have been described earlier in the report.

Response:

See the response to Comment A-86.

Comment A-132:

#44 Page 4-8. Section 4.4.3 Polychlorinated Biphenyls

a) The location of Building No. 301 would be useful. b) Building 301 is a RCRA storage facility and will require closure. This should also be mentioned in the text.

Response:

a) A description of the location of Building 301 has been added to the text.

b) The statement that Building 301 is a RCRA storage facility requiring closure has been added to the text.

Comment A-133:

#45 Page 4-9. Section 4.4.4.1 Designation of Buildings

It should be stated that there are no federal or state standards regulating radon exposure at the present time. The 4 pCi/L level is a USEPA recommended mitigation level.

Response:

Comment noted. The text has been revised accordingly.

Comment A-134:

#46 Page 4-11. Section 4.5 Reserve Enclaves

a) Buildings 339, 347, 348, 350, and 356 were not listed in the table in Section 3.4 which presented warehouses known to contain hazardous materials.

b) Is it possible to list or briefly describe the 36 areas of known environmental contamination or to describe them. c) Does this include the Loran Station?

Response:

a) The warehouses discussed in this section have been selected by the U.S. Army for the future storage of hazardous materials because they are clustered close together. This proposed usage does not necessarily reflect the past or present usage. Evidence was not found that these buildings were ever used for hazardous storage; therefore, they should not be included in the table in Section 3.4.

b) The 36 acres of known environmental contamination are discussed in the *BRAC Implementation Plan* and are related to the previously identified SWMUs. These will not be described in depth in this section because the SWMUs are discussed in Section 4.1.

c) Although it will be retained by the U.S. government, the LORAN-C station will be transferred from the U.S. Army to the U.S. Coast Guard.

Section 5

Comment A-135:

#47 Section 5 General Comments

a) Building 301, the PCB storage building which is one of the RCRA TSD facilities on SEDA operating under interim status, is not listed as a parcel but seems to be included in the BRAC Parcel 3(1), which is a Category 1 parcel. b) As part of the RCRA permit, proper closure must be conducted at this facility and therefore, the building should be classified as a Category 7 parcel pending completion of closure activities.

c) BRAC Parcels 6, 13, 14, 15, 54, 63, 119, 126, and 127 are not listed in any of the tables or discussed in the text. If these parcels were eliminated and included in BRAC Parcel 3(1), this should be stated in the text.

d) SEAD-64A has not been included as a BRAC parcel. This site was used as a landfill from 1974 to 1979 when the on-site incinerator was not in operation. This site has been

recommended for a RI/FS and a Project Scoping Plan for a CERCLA RI/FS is being developed for this site along with SEAD-11 and SEAD-64D.

e) What is the status of the creeks on SEDA? Are they considered as part of BRAC Parcel 3(1) although they may have been affected by tributaries which may have potential impacts from sites on SEDA.

Response:

a) The text has been changed to more accurately reflect the fact that Building 301 is a PCB-containing equipment storage building. The EBS makes a distinction between the presence of PCBs within equipment, such as transformers, that have not leaked and PCBs in soil from leaking equipment. PCBs in soil from leaking equipment is considered a CERCLA issue in the EBS, while storage of PCB-containing equipment is considered a non-CERCLA issue that does not preclude the U.S. Army from transferring the property. Guidance recommends that these types of facilities be qualified for PCBs, but not excluded from Category 1.

b) We do not concur. The status of closure is not necessarily the determining factor in the designation of the environmental condition of the property. The facility is used for the storage of PCB-containing equipment, and there is no evidence of a release; therefore, designation as Category 1 and qualification for PCBs is appropriate.

c) As a result of the mid-EBS meeting between the BEC, GPM, and Woodward-Clyde, some parcel designations were changed and some parcels were grouped with others. The parcels were not renumbered to expedite the production of the Draft EBS Report.

d) We do not concur. SEAD-64A is included within Parcel 75(6); it was incorrectly identified as SEAD-64D in the text, but correctly identified in Table 5-1. The text has been revised.

e) The creeks within a particular SWMU are addressed as part of the investigation of that SWMU. If contamination is known to be present in the creeks within a parcel, it is considered when designating the environmental condition of the property for that parcel.

Comment A-136:

#48 Page 5-2. Section 5.1 Parcel Designations, BRAC Parcel 3(1)

a) The extent of this parcel is vague because it is described as encompassing most of the Depot Area. It is not clear from Figure 5-1 whether the extent of the Depot Area for Parcel 3(1) include the entire depot including the North Depot Area and South Depot Area, or just the Ammunition Area. Additional description of the area in the text would make this clearer.

b) Furthermore, a RI/FS will be conducted for SEAD-12, which encompasses the former Special Weapons Area to the first row of igloos. This area is shown on Figure 5-1 as being part of the BRAC Parcel 3(1).

Response:

a) For clarity, an additional description of this parcel area has been added to the text.

b) See the response to Comment A-57.

Comment A-137:

#49 Page 5-3. Section 5.1.2 Category 2 Parcels

BRAC Parcels 5(2)

a) Referent to USTs by State Reg. No. should be consistent throughout the report.

b) This listing of the USTs by State Reg. Nos. in this paragraph seems awkward and does not provide information. c) It may be more useful to put the information in table format with the UST and associated. d) The USTs discussed in this section were not included in the table in Appendix B. If these tanks were not listed because they are considered to be off-site by the state, this should be stated, otherwise the tanks should be listed in the UST/AST table.

Response:

a) Additional information regarding tank registration numbers has been made available, and references to USTs by State Registration Number are now consistent throughout the report.

b) We do not concur. We believe this listing provides useful information. However, this information has been converted to table format to facilitate presentation.

c) We concur. This information has been converted to table format.

d) We do not concur. All of these tanks are listed in the table in Appendix C. Note that the second column of this table is the State Registration Number; the first is the associated building number.

Comment A-138:

#50 Page 5-4. Section 5.1.2 Category 2 Parcels
BRAC Parcel 7(2)

a) The first sentence of the paragraph should have a verb.

b) It would be helpful to provide information about the location of this parcel in the text if only to state that the parcel is located at the airport.

c) If a UST is listed as a parcel, is the adjacent building also considered to be part of the parcel or is the building in BRAC Parcel 3(1)? According to the text, one could infer that the UST and building are not the same parcel, however Figure 5-1 shows the building as being part of the parcel.

d) This comment also applies to BRAC Parcels 8(2), 9(2), 10(2).

Response:

a) We concur. The verb "is" has been added to the text.

b) We concur. Locational information has been added to the text.

c) BRAC guidance requires that USTs and ASTs containing more than 600 gallons of product be identified with a 0.25-acre circle centered on the tank. The designated parcel area pertains to the land within a 0.25-acre area, not the building structure.

d) See the response to Comment A-138c.

Comment A-139:

#51 Page 5-5. Section 5.1.2 Category 2 Parcels
BRAC Parcel 11(2)
A brief description of the location of this site in the text would be helpful. At a minimum, the area of the Depot where this site is located would be useful.

Response:

For clarity, an additional description of the location of this site has been added to the text.

Comment A-140:

#52 Page 5-6. Section 5.1.2 Category 2 Parcels
BRAC Parcel 21(2)
If columbite ore was stored in this warehouse, should some type of sampling be conducted prior to determining the category of this facility?

Response:

We do not concur. The ore stored in the building was containerized, and there was no documented evidence of a release. Therefore, Category 2 is appropriate. Additionally, a radionuclide survey of this building was conducted, and no evidence of contamination was detected. The results of the radionuclide survey have been mentioned in the text.

Comment A-141:

#53 Page 5-7. Section 5.1.2 Category 2 Parcels
BRAC Parcel 24(2)
It seems inappropriate to include Building 307 in Category 2 because the building is a RCRA hazardous waste storage facility operating under interim status. Closure of this facility must be completed in accordance with RCRA and NYSDEC regulations. This storage facility should be classified as Category 7 pending completion of the closure activities.

Response:

We do not concur with this comment. The status of closure is not necessarily the determining factor in the designation of the environmental condition of the property. The facility is used for the storage of hazardous materials and there is no evidence of a release. Therefore, Category 2 is appropriate.

Comment A-142:

#54 Page 5-8. Section 5.1.2 Category 2 Parcels
BRAC Parcel 26(2)
The sentences which discuss the USTs by number are awkward. The USTs should be referenced consistently throughout the text.

Response:

See the response to Comment A-137a.

Comment A-143:

#55 Page 5-8. Section 5.1.2 Category 2 Parcels
BRAC Parcel 28(2)
a) It is not clear whether Building 103 is included in this parcel with the associated UST or only the UST. b) According to Section 4.5, Building 103 will be retained by the DOD.

Response:

a) See the response to Comment A-138c.

b) At the request of SEDA, all of the installation was characterized regardless of potential reuse plans.

Comment A-144:

#56 Page 5-8. Section 5.1.2 Category 2 Parcels
BRAC Parcels 28(2) and 29(2)
It would be useful to have a site location plan of the area being discussed in this section of the report.

Response:

Comment noted.

Comment A-145:

#57 Page 5-9. Section 5.1.2 Category 2 Parcels
BRAC Parcel 31(2)
Building 106A is a preventative medicine laboratory. a) Were there any biohazard concerns at this facility or at the U.S. Army Health Clinic? b) Does this parcel include the building or only the UST?

Response:

a) At one time, medical waste was stored at this facility in appropriate biohazard containers. There have been no documented releases of medical wastes. This information has been added to the Draft Final EBS Report.

b) See the response to Comment A-138c.

Comment A-146:

#58 Page 5-13. Section 5.1.2 Category 2 Parcels
BRAC Parcel 48(2)
Although Parsons Engineering-Science recommends the classification of the SWMUs to the Army, the final decision is determined by the USEPA, NYSDEC, and the Army.

Response:

Comment noted. The text has been revised accordingly.

Comment A-147:

#59 Page 5-14. Section 5.1.2 Category 2 Parcels
BRAC Parcel 65(2)
This parcel appears to have been assigned the wrong designation and placed in the incorrect section of the report because it is classified as Category 7 pending cleaning and evaluation of the integrity.

Response:

See the response to Comment A-27.

Comment A-148:

#60 Page 5-15. Section 5.1.3 Category 3 Parcels
BRAC Parcel 114(3)
The oil/water separator in Building 7432 should be cleaned and evaluated for integrity. Perhaps the oil/water separator should be classified as Category 7 pending cleaning and evaluation of the integrity.

Response:

We do not concur. Guidance requires that oil/water separators be treated the same as USTs. There is no documented evidence of leakage from, or flooding of, this oil/water separator. Furthermore, it is the intent of the U.S. Army to address oil/water separators prior to the transfer of any property that contains them.

Comment A-149:

#61 Page 5-16. Section 5.1.4 Category 5 Parcels
BRAC Parcel 55(5)
The acronym AOC stands for area of concern not area of contamination.

Response:

The text has been corrected.

Comment A-150:

#62 Page 5-16. Section 5.1.4 Category 5 Parcels

BRAC Parcel 56(6)

This parcel consists of the composite SWMUs designated as the Ash Landfill and also the disposal area (SEAD-64D) located south of the Ash Landfill. Each area, the Ash Landfill and SEAD-64D, has been recommended for a RI/FS. The Feasibility Study for the Ash Landfill is being completed with a removal action of source soils having been conducted. The disposal area, SEAD-64D, has been grouped with two other disposal areas, the former construction landfill (SEAD-11), and a disposal area (SEAD-64A), for the development of a Project Scoping Plan for performing a CERCLA RI/FS. It would be more efficient to classify the Ash Landfill and the disposal area (SEAD-64D) as separate parcels because of the different RI/FS progress status. Furthermore, since the RI/FS has not been conducted at SEAD-64D, this parcel should be classified as a Category 7 parcel.

Response:

We do not concur. Designation of a category is based on the environmental condition of the property, not on RI/FS progress status.

Comment A-151:

#63 Page 5-17. Section 5.1.4 Category 5 Parcels

BRAC Parcel 56(5)

Second Paragraph

a) The Building 2203 should be labeled on a site map. It is not shown on Figure 5-1.

b) For clarity, the five SWMUs which have been grouped together should be referred to as the Ash Landfill since several reports have been issued about the site using this designation.

c) The description of the sites in this paragraph is not well organized. The debris pile was located in the southern portion of the SEAD-64D. This is not clear from the text.

Response:

a) Facility 2203, which is a loading platform, has been labeled on Figure 5-1.

b) For clarity, this information has been added to the text.

c) Comment noted. An effort has been made to clarify this section.

Comment A-152:

#64 Page 5-17. Section 5.1.4 Category 5 Parcels
BRAC Parcel 57(5)
The 11 pitchblende storage igloos, which are designated as SEAD-48, have been recommended for a RI/FS and the site has been grouped with SEAD-63 and SEAD-12 for the development of Project Scoping Plan. It would be more appropriate to classify this parcel as a Category 7 parcel because the results of the ESI conducted at the site indicated that more evaluation is required.

Response:

We do not concur. Designation of a category is based on the environmental condition of the property and, in this case, the available evidence indicates that the designated category is appropriate.

Comment A-153:

#65 Page 5-17. Section 5.1.4 Category 5 Parcels
BRAC Parcel 58(5)
SEAD-34 is currently scheduled to undergo a RI/FS, not a mini-risk assessment as stated in the text.

Response:

Comment noted. The text has been revised accordingly.

Comment A-154:

#66 Page 5-18. Section 5.1.4 Category 5 Parcels
BRAC Parcel 59(5)
Some type of location description would be helpful.

Response:

A description of the location of this parcel has been added to the text for clarity.

Comment A-155:

#67 Page 5-19. Section 5.1.4 Category 5 Parcels
BRAC Parcel 61(5)
a) This parcel, which encompasses the area designated as SEAD-12A, was recommended for a RI/FS. During the development of the Project Scoping Plan for a CERCLA RI/FS, the Army, EPA, and NYSDEC determined that the boundary of the SWMU should be expanded to include the area of SEAD-12A, SEAD-12B which is located adjacent to SEAD-12A, and sections of the former Special Weapons Area to the first row of igloos. This SWMU has been designated as SEAD-12. SEAD-12 now includes all the grounds within the former Special Weapons Area, north of the storage igloos and excluding the area designated as SEAD-63. b) It would be more appropriate to classify SEAD-12 as a Category 7 parcel because the results of the ESI indicated that further investigation in the form of a RI/FS is required.

c) In addition, the area designated as the BRAC Parcel 3(1) appears the include sections of SEAD-12. The areas for BRAC Parcel 3(1) should be revised to incorporate the new boundary of SEAD-12.

Response:

a) Comment noted.

b) See the response to Comment A-57.

c) See the response to Comment A-57.

Comment A-156:

#68 Page 5-20. Section 5.1.5 Category 6 Parcels
BRAC Parcel 67(6)

a) SEAD-4 is a Munitions Washout Facility and Leachfield which includes several buildings (Buildings 2076, 2078, 2079, 2073, 2084, and 2085), roadways, and a pond. During the ESI, no leachfield was identified, however, three difference surface water drainage areas were found to have been impacted. The description of SEAD-4 should be revised to indicate the above information. Specifically, in the second paragraph, reference to impacts to the surface soils, sediment, surface and groundwater at the leach field should be revised since the leach field was not found.

b) As part of the ESI Report, a CERCLA RI/FS was recommended to be performed at the SWMU designated as SEAD-4. It would be more appropriate to separate SEAD-4 from the construction debris landfill (SEAD-11) and the boiler plant blowdown leach pit (SEAD-38). SEAD-11 has also been recommended to undergo a RI/FS and a Project Scoping Plan for a CERCLA RI/FS has been developed for the group of SWMUs designated as SEAD-11, SEAD-64A, and SEAD-64D. A separate Project Scoping Plan has been developed for SEAD-4.

c) Finally, since a RI/FS has not been conducted at SEAD-4 or SEAD-11 yet, these parcels should be classified as Category 7 parcels.

Response:

a) The text has been revised to indicate that the leach field was not found.

b) See the response to Comment A-150.

c) See the response to Comment A-152.

Comment A-157:

#69 Page 5-21. Section 5.1.45 Category 6 Parcels
BRAC Parcel 67(6)

a) The area referred to as the "50 Area" is not shown on a site map or described in the report. It would be useful to discuss this earlier in the report and to locate it on a map.

b) What does SMK mean?

Response:

a) See the response to Comment A-86.

b) These are the initials of one of the field investigators; they were used to label and track areas of visual inspection. Explanatory text has been added.

Comment A-158:

#70 Page 5-22. Section 5.1.5 Category 6 Parcels

BRAC Parcel 70(6)

a) Building 608 is not shown on Figure 5-1

b) The SWMU designated as SEAD-52 consists of Buildings 608, 610, 611, and 612. Since the finalization of the ESI Report, it was decided by the USEPA and NYSDEC that a RI/FS should be conducted at this site. This site has been combined with SEAD-60 in the development of a Project Scoping Plan for a CERCLA RI/FS. Therefore, it would be more appropriate to classify these sites as Category 7 parcels because it was determined that more investigation is required.

Response:

a) Building 608 has been added to Figure 5-1.

b) See the response to Comment A-152.

Comment A-159:

#71 Page 5-24. Section 5.1.5 Category 6 Parcels

BRAC Parcel 75(6)

a) This parcel appears to be SEAD-64D which was included in BRAC parcel 56(5). In addition, the description does not agree with the location on Figure 5-1. This may have been confused with SEAD-64A which is also a disposal area.

b) Because both sites are scheduled for a RI/FS, it would be more appropriate to classify these sites Category 7 parcels.

Response:

a) This parcel is associated with SEAD-64A. The text incorrectly stated SEAD-64D. The text has been corrected.

b) See the response to Comment A-152.

Comment A-160:

#72 Page 5-25. Section 5.1.5 Category 6 Parcels
BRAC Parcel 77(6)
It would be more appropriate to classify the fire training pit, SEAD-26, as a Category 7 parcel because the results of the ESI indicated that more investigation, in the form of a RI/FS, was required. Currently the RI has been completed but the Feasibility Study and development of remedial actions have not been completed.

Response:

See the response to Comment A-152.

Comment A-161:

#73 Page 5-26. Section 5.1.5 Category 6 Parcels
BRAC Parcel 83(6)
SEAD-50 will not undergo a RI/FS. According to the ESI Report for Eight Moderately Low Areas of Concern, a Decision Document which would outline a limited sampling program and a removal action was recommended.

Response:

Comment noted. The text has been revised accordingly.

Comment A-162:

#74 Page 5-28. Section 5.1.5 Category 6 Parcels
BRAC Parcel 88(6)
Other sites, which were reported to have spills based on interviews with site personnel, were classified as Category 7 parcels. Therefore, this parcel should also be classified as

a Category 7 parcel because the dumping of PCB oil was based on an interview and more evaluation is required to confirm the information and to determine the impact to media.

Response:

We do not concur. Enough is known regarding this incident to lead Woodward-Clyde and the installation to conclude that, at a minimum, remedial actions involving removal of the stained soil will be required.

Comment A-163:

#75 Page 5-28. Section 5.1.5 Category 6 Parcels
BRAC Parcel 89(6)
See comment #77.

Response:

Reference to comment #77 (CRP Comment A-165) does not make sense. We believe the commentor is referring to comment #74 (CRP Comment A-162). In which case, see the response to Comment A-162.

Comment A-164:

#76 Page 5-28. Section 5.1.5 Category 6 Parcels
BRAC Parcel 90(6)
This parcel consists of the fire training and demonstration pad, which is a SWMU designated as SEAD-25. The results of the ESI indicated that the site should undergo a RI/FS. Therefore, this site should be classified as a Category 7 because further evaluation is required in the form of a RI/FS.

Response:

See the response to Comment A-152.

Comment A-165:

#77 Page 5-29. Section 5.1.5 Category 6 Parcels
BRAC 91(6)
A RI/FS Project Scoping Plan is being developed for this site, not an EIS Workplan as stated in the text.

Response:

Comment noted. The text has been revised accordingly.

Comment A-166:

#78 Page 5-29. Section 5.1.5 Category 6 Parcels
BRAC Parcel 93(6)
a) The deactivation furnace, designated as SEAD-17, is operating under interim status as part of the Part B RCRA permit. Proper closure of the site must be conducted as part of the requirements of the RCRA permit. This information should be included in this section of the text.

b) This site should be classified as a Category 7 parcel pending completion of closure.

Response:

a) We concur. This information has been added to the text.

b) See the response to Comment A-152.

Comment A-167:

#79 page 5-33. section 5.1.5 Category 6 Parcels
BRAC Parcel 102(6)
This parcel should be classified as a Category 7 parcel because more information is needed to determine if the evidence of spills on the dirt floor will require remedial actions.

Response:

We do not concur. We believe it is the installation's position that, at a minimum, remedial actions involving removal of the stained soil and confirmatory sampling will be required.

Comment A-168:

#80 Page 5-34. Section 5.1.5 Category 6 Parcels
BRAC Parcel 104(6)
A Project Scoping Plan for a CERCLA RI/FS is being developed for SEAD-66, not an ESI Workplan as stated in the text.

Response:

Comment noted. The text has been revised accordingly.

Comment A-169:

#81 Page 5-35. Section 5.1.5 Category 6 Parcels
BRAC Parcels 109(6) and 110(6)
The IRFNA site, which is designated as SEAD-134, is scheduled to undergo a RI/FS. This site should be classified as Category 7 parcel because the results of the ESI indicated that more investigation and evaluation of the site is necessary.

Response:

See the response to Comment A-152.

Comment A-170:

#82 Page 5-35. Section 5.1.5 Category 6 Parcels
BRAC Parcel 111(6)
Buildings 813, 814, 815, 816, and 817 are located in the former Special Weapons Area. These buildings are part of the SWMU designated as SEAD-12, which has been recommended to undergo a RI/FS.

Response:

See the response to Comment A-136b.

Comment A-171:

#83 Page 5-36 Section 5.1.5 Category 6 Parcels
BRAC Parcel 112(6)

a) Buildings 803, 804, and 805 and SEAD 12B are now included in the SWMU designated as SEAD-12. A Project Scoping Plan for a CERCLA RI/FS has been prepared for this site and includes an inspection of the interior of these buildings. It would be more appropriate to combine these buildings and the area of SEAD-12B into the same parcel as SEAD-12A.

b) Although Building 803 was classified as a No Action SWMU, the building is a RCRA storage facility operating under interim status. This facility must undergo a closure process as a requirement of the RCRA permit. This information should be added to the discussion.

c) These buildings should be classified as Category 7 parcels because of the pending RI/FS.

Response:

a) See the response to Comment A-57.

b) This information has been added to the text.

c) See the response to Comment A-152.

Comment A-172:

#84 Page 5-37. Section 5.1.5 Category 6 Parcels
BRAC Parcel 115(6)
The North Administration Area was not described earlier. Is it part of the North Depot Area?

Response:

Yes. The text has been revised accordingly.

Comment A-173:

#85 Page 5-39. Category 6 Parcels

BRAC Parcel 120(6)

a) The OB/OD grounds are currently operating under interim status under a RCRA Part B Permit. Proper closure is required for these sites. This information should be added to the description of this parcel. b) These sites should be classified as Category 7 parcels pending completion of closure requirements.

c) Building T-2110 is not shown on Figure 5-1.

d) In the second paragraph, the study was an ESI not as EIS.

e) It would be more appropriate to separate the site designated as SEAD-70 from the other three sties. SEAD-70 has been impacted by PAHs in the sediments, and arsenic in the soil. A mini-risk assessment was recommended for this site. SEAD-45 and SEAD-57 have been impacted by explosives and other constituents associated with ordnance disposal. These two sites have been combined in a Project Scoping Plan for performing a CERCLA RI/FS.

f) The area outlined on Figure 5-1 as Parcel 120(6) is much larger than the areas considered for SEAD-45 and SEAD-57 as shown in the Project Scoping Plan for SEAD-45 and SEAD-57. It is unclear why the boundaries for these sties were expanded.

Response:

a) We concur. This information has been added to the text.

b) See the response to Comment A-152.

c) This building has been labeled on Figure 5-1.

d) We concur. The text has been revised accordingly.

e) We do not concur. Designation of a category is based on the environmental condition of the property, not on the particular contaminant constituents.

f) This parcel also includes additional areas identified during the EBS field investigations that have been contaminated by training activities. This information has been added to the text.

Comment A-174:

#86 Page 5-40. Section 5.1.5 Category 6 Parcels
BRAC Parcel 122(6)
This parcel should be SEAD-58, not SEAD-57 as stated in the text.

Response:

We concur. The text has been revised accordingly.

Comment A-175:

#87 Page 5-41. Section 5.1.5 Category 6 Parcels
BRAC Parcel 134(6)
Other sites, which were determined to have releases based on interviews with SEDA personnel, were classified as Category 7 parcels. Therefore, this site should also be a Category 7 parcel because more information is required to determine whether a release has occurred and the media which have been impacted. The definition of a Category 6 parcel implies that storage, release, disposal, and/or migration has been confirmed, but required response actions have not yet been implemented. Therefore, rumored sites should be classified as Category 7, which are areas that require additional evaluation.

Response:

Rumored sites were evaluated based on interviews, visual inspections, and document searches. If the results of the evaluation provided sufficient evidence to support the conclusion that a release had occurred and that minimal remedial actions will be required, the area was designated as Category 6. If the evidence did not support this conclusion, then the site was designated as Category 7.

Comment A-176:

#88 Page 5-42. Section 5.1.6 Category 7 Parcels
BRAC Parcels 130(7) and 131(7)
a) The Duck Pond Area is not located on the site map.

b) These parcels appear to be nearer to the former Special Weapons Area than to the Duck Ponds.

Response:

a) See response to Comment A-56.

b) We do not concur. Since these parcels are outside of the fence surrounding the Special Weapons Area, the Duck Ponds location is more appropriate.

Comment A-177:

#89 Page 5-42. Section 5.1.6 Category 7 Parcels
BRAC Parcel 132(7)
Building 810 is included in SEAD-12, which will undergo a RI/FS.

Response:

See the response to Comment A-136b.

Comment A-178:

#90 Page 5-42. Section 5.1.6 Category 7 Parcels
BRAC Parcel 133(7)
Building 819 is included in SEAD-12, which will undergo a RI/FS.

Response:

See the response to Comment A-136b

Comment A-179:

#91 Figure 5-1

a) The following areas were presented in the text and should be shown on the site map:
Duck Pond Area
Elliot Housing
former Special Weapons Area
North Administration Area

b) BRAC Parcel 97(6), which is also designated as SEAD-59, should extend on both sides of the access road to Building S-311.

c) The PCB storage facility, Building 301, is shown as a Category 1 parcel on the figure.

d) BRAC Parcel 56(5), which is also designated as SEAD-64D, should extend west to the railroad tracks. e) Building 2203 is not identified. f) SEAD-64D is also shown as BRAC Parcel 143Q-X. Results of the ESI did not indicate the presence of explosives at the site.

g) BRAC Parcel 67(6), which is also designated as SEAD-4, should extend to the boundaries established for the RI/FS.

h) BRAC Parcel 94(6) seem to include Building 310 and/or 366.

i) BRAC Parcel 120(6) appears to be much larger than the combined areas of the SWMUs described in the text.

Response:

a) See the response to Comment A-86.

b) We concur. The boundary of this parcel has been extended on the figure.

c) See the response to Comment A-136a.

d) We concur. The boundary of this parcel has been extended.

e) Facility 2203, a loading dock, has been labeled on Figure 5-1.

f) We concur. Qualified Parcel 143Q-X actually corresponds with SEAD-24, as stated in Table 5-1b. Figure 5-1 has been revised accordingly.

g) We concur. The boundary of this parcel has been extended to reflect the RI/FS Workplan dated July 1996.

h) These buildings should not have been included in this parcel. The parcel boundary has been changed to reflect this.

i) See the response to Comment A-173f.

Comment A-180:

#92 Page 5-44 Section 5.1.7 Qualified Parcels

It is not clear why only six sites were described in this section. The qualified parcels listed in Table 5-2 are not shown on Figure 5-1 as stated in the text. Some type of explanation would be helpful.

Response:

The text has been revised to describe all qualified parcels of open land in this section. Since they are numerous, qualified buildings are not described individually, but are listed in Table 5-1b.

Comment A-181:

#93 Page 5-44. Section 5.1.7 Qualified Parcels

BRAC Parcel 108Q-X

A Project Scoping Plan for a CERCLA RI/FS at SEAD-46 is being developed, not an ESI Workplan as stated in the text.

Response:

Comment noted. The text has been revised accordingly.

Comment A-182:

#94 Table 5-1

It is unclear why some of the BRAC Parcels are listed out of order. Specifically, BRAC Parcels 65(2), 114(3), and 134(6).

Response:

See the response to comment A-135c.

Comment A-183:

#95 Table 5-2

A legend for the qualifiers should be added at the end of the table.

Response:

We concur. A legend has been added to this table.

Comments on the Sampling and Analysis Recommendations

Comment A-184:

#1 Page 2 BRAC Parcel 94(6)

This BRAC parcel is the SWMU designated as SEAD-16. The Project Scoping Plan for that site should be reviewed to determine whether the surface soil sampling recommended in this report is already scheduled as part of a RI/FS.

Response:

This comment will be addressed in the Final SAR Report.

Comment A-185:

#2 BRAC Parcel 96(6)

This parcel was not listed as a site to be sampled, however, the EBS report stated that an interview conducted during the EBS revealed that petroleum had been released and paints and solvents may have been released in the area of Building 306.

Response:

See the response to Comment A-184.

Comment A-186:

#3 Page 3 BRAC Parcel 111(6)

Buildings 813 through 817 are located within the boundary of the SWMU designated as SEAD-12. These buildings are scheduled to be screened for radionuclides as part of a RI/FS field program which has been outlined in the Project Scoping Plan. This Project Scoping Plan should be reviewed to determine if the surface soil sampling and groundwater monitoring well installation recommended in this report have already been scheduled for the RI/FS.

Response:

See the response to Comment A-184.

Comment A-187:

#4 Page 5 Item 2(e)

Areas where unknown materials were buried which will be investigated by trenching should be conducted using Level B personnel protective equipment.

Response:

See the response to Comment A-184.

RESPONSES TO COMMENTS ON THE
SENECA ARMY DEPOT ACTIVITY, NEW YORK
DRAFT FINAL ENVIRONMENTAL BASELINE SURVEY REPORT
DATED OCTOBER 30, 1996

B.1 RESPONSES TO INSTALLATION COMMENTS ON THE DRAFT FINAL EBS REPORT

B.1.1 RESPONSES TO SENECA ARMY DEPOT ACTIVITY COMMENTS ON THE DRAFT FINAL EBS REPORT

ENTITY: Seneca Army Depot Activity

INDIVIDUAL: Mr. Stephen Absolom

TITLE: BRAC Environmental Coordinator

DATE: February 20, 1997

Comment B-1:

A marked copy of Table 2-3 from the Draft Final EBS Report was submitted as comments.

Response:

These revisions have been incorporated into the Final EBS Report.

B.2 RESPONSES TO U.S. ENVIRONMENTAL PROTECTION COMMENTS ON THE DRAFT FINAL EBS REPORT

B.2.1 RESPONSES TO U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION II COMMENTS ON THE DRAFT FINAL EBS REPORT

ENTITY: U.S. Environmental Protection Agency, Region II

INDIVIDUAL: Carla Struble, P.E.

TITLE: Federal Facilities Section

DATE: January 24, 1997

Comment B-2:

This is with regard to the revised draft Environmental Baseline Survey Report (EBS) prepared by Woodward-Clyde for SEDA through the U.S. Army Corps of Engineers New York District and Seattle District. Appendix A only included responses to EPA comments dated July 15, 1996, but responses to EPA's August 9, 1996 comments on the Draft Sampling Analysis Recommendations (SAR), and our October 7, 1996 comments on the BRAC 1995 Enclave Sites were not addressed. EPA would like to facilitate SEDA's efforts to accommodate the greatest amount of property for lease or transfer. To that end, we would like to see our comments addressed to the greatest extent possible. After reviewing Woodward-Clyde's response in Appendix A to EPA's July 15, 1996 comments, the remaining issues are discussed below.

Response:

Comment noted. The August 9, 1996 comments on the Draft Sampling and Analysis Recommendations (SAR) were not addressed in the Draft Final EBS Report because they will be addressed in the Final SAR Report. The October 7, 1996 comments are reproduced at the end of this section (see Comments B-9 and B-10) for convenience, and responses to these comments are now provided.

Comment B-3:

Original Comment:

CERFA Parcel Map - Figure 5.1

The CERFA Parcel Map should show and label Reeder Creek, Kendia Creek, Indian Creek, etc., and the 72 SEADs identified in the Solid Waste Management Unit (SWMU) Classification Report for the Seneca Army Depot Activity finalized by the Army in September 1994. To help expedite EPA's review and concurrence on real property SEDA, an updated Plate 1-1 "Solid Waste Management Unit Locations" from the SWMU Classification Report is desirable. This map should preferably be a transparent overlay which could be placed over the CERFA Parcel Map and the LRA's Reuse map.

Army Response:

As we discussed on January 9, 1997, Woodward-Clyde states that this is outside the scope of work for preparation of the EBS. You indicated that a transparent overlay which could be placed over the CERFA Parcel Map and the LRA's Reuse map (an updated Plate 1-1 "Solid Waste Management Unit Locations" from the SWMU Classification Report) may be available. EPA would find such a map beneficial in expediting our concurrence.

Response:

The installation will work with EPA and provide them with requested maps.

Comment B-4:

Original Comment:

SECTION THREE: Property Characterization

Page 3-5 Table - MAIN DEPOT MUNITIONS STORAGE: For each facility and igloo listed, it should be noted whether or not munitions were stored there. If so, specifically what types of munitions are/were they, for how long they were stored, whether the munitions were stored for eventual use or demilitarization, destruction and disposal, whether or not a release had occurred. If not, can the Army certify that no releases occurred? When describing the function of Facility 2202, "STR SHEN GP INS" needs to be explained.

Woodward-Clyde's Response:

The Army's contractor believes that information on the type of munitions, the length of storage, or the eventual use is not pertinent to the determination of the environmental condition of the property.

EPA disagrees and encourages the Army to determine if this information is available.

Response:

The detailed information requested is not available. However, storage of munitions precludes a release given that the munitions are stored in sealed containers. During the course of the EBS records review, interviews, and visual inspections, documented evidence of a release related to munitions storage was not found.

Comment B-5:

Original Comment:

SECTION 4.3 - Sources of Potential Contamination From Adjacent or Surrounding Property: A location map should be developed to supplement this section which shows SEDA and all potential sources of contamination described in the text and in the tables of this section. The directions of groundwater flow/groundwater elevations should also be provided. This map should be drawn to scale and preferably larger than 8-1/2 inches by 11 inches.

Woodward-Clyde's Response:

An additional figure addressing this comment has been included in Section Four.

The direction of groundwater flow is toward the west in Figure 4-1, but other SEDA documents submitted to EPA have stated that there is evidence of a groundwater divide near Route 96 on the eastern flank of SEDA. East of the divide groundwater flows into Cayuga Lake and west of the divide it flows into Seneca Lake. This discrepancy should be clarified and the figure corrected as needed.

Seneca Lake, Kendaia Creek and the lake housing should be included in this figure. The SEDA property boundary, including the lake housing and property surrounding Kendaia Creek, should be enhanced to be distinguishable from the roadways. Why is SR 96 red?

Response:

The discrepancy regarding the groundwater information has been rectified and the figure revised accordingly.

The additional information has been added and other modifications made to the figure as requested.

State Route 96 is in red because it is a primary highway and this has been added to the legend.

Comment B-6:

Original Comment:

APPENDIX A - Database Search Report - Spill Records:

Page #17 through Page #27 lists State Record Details of Spills, Lusts and Cleanups but no locations are given. None of the property on or adjacent to these incidences should be classified by the Army as Category 1.

Woodward-Clyde's response:

It is stated that a revised map showing all the locations has been included in the revised draft EBS report, but the figure number or map location has not been not provided.

Response:

The information presented in the appendix is a reproduction of a report provided by a subcontractor. This information was requested prior to the EBS site visit and was used as a starting point. The information in the appendix is not longer current. Tables 2-3 and 2-4 present incidents of spills and LUSTs, respectively, that are current and consistent with the installation's records. They represent the most up-to-date information available on historic spills and LUSTs at the Seneca Army Depot Activity. Areas corresponding to incidents of the release of hazardous substances or petroleum products have been appropriately assigned to parcels designated as either Category 3, 4, 5 or 6. To assist in locating these areas on Figure 5-1, the parcel labels and numbers have been added to Tables 2-3 and 2-4 in the Final EBS Report.

Comment B-7:

Additional Comment:

As we discussed on January 9, 1997, in addition to the CERFA map, EPA's concurrence on the Army's uncontaminated parcels would be facilitated by separating the CERFA map into 8 1/2" X 11" figures. You agreed that these figures could be provided.

Response:

Woodward-Clyde has provided EPA with the requested 8 1/2" x 11" figures.

Comment B-8:

The comments of EPA as offered here in response to the Revised Draft EBS should not yet be construed as EPA concurrence on the uncontaminated parcel determinations as offered by the Army. The extent of EPA's concurrence on uncontaminated parcels will be contingent upon the Army's response to our July 15, 1996, August 9, 1996, October 7, 1996 comments, those mentioned above and EPA's final review of the revised Draft EBS already submitted. Formal EPA concurrence on the Army's uncontaminated parcel determinations will subsequently by provided by Region II of EPA after its review of any Army responses and the revised Draft EBS. During our last BRAC Cleanup Team meeting, the Army informed us that SEDA became final on the Base Closure List on September 28, 1995.

Response:

Comment noted.

Comment B-9:

In September 1996, EPA received a letter from Tetra Tech, Inc. regarding their preparation of the Draft Disposal and Reuse Environmental Impact Statement for SEDA. Included in the correspondence, was a list of the BRAC 95 Enclave Sites at SEDA, with a location map of the Enclave Sites. It appears that some information regarding these enclave sites (strategic war reserve ore piles and hazardous materials warehouses) has been omitted from the Draft EBS Report and Draft SAR. EPA commented on the Draft EBS and Draft SAR on July 15, 1996 and August 9, 1996 respectively, but have not yet received the revised documents. EPA would like to facilitate SEDA's efforts to accommodate the greatest amount of property for lease or

transfer. To that end, we would like to see our comments below addressed by revision to the draft EBS, CERFA Parcel Map, draft SAR, etc.

Warehouse Buildings 350, 348, 347, 339 and 357 are listed by Tetra Tech as BRAC 95 Enclave Sites, but not identified on the EBS CERFA map as BRAC parcels, they are not listed in Table 5-1 (BRAC Parcel Descriptions) and not included in text of Section Five which describes the BRAC parcels. The text, tables and CERFA map of the EBS should incorporate the appropriate information, even though EBS Section 4.5 states that the strategic ore piles and hazardous materials warehouses are likely to be retained by DoD.

Response:

All of these issues were addressed in the Draft and Draft Final EBS Reports. In these reports, all of the listed warehouses were included in Parcel 3(1). Even though they may be used for hazardous storage in the future, at the time of the EBS investigation, none of these warehouses was documented as having stored hazardous materials. Subsequent to the submittal of the Draft Final EBS Report, documentation was found indicating that Building 357 had been used for hazardous materials storage and that releases had occurred inside of the building. This warehouse has been designated as Category 3 in the Final EBS Report. Ore piles containing materials with known hazardous constituents have been designated as distinct Category 6 parcels in all three reports.

Comment B-10:

Strategic Ore Piles: Section Five describes these ore piles as hazardous materials, where 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. What sampling is DoD proposing to determine if the ore piles are sources of contamination to adjacent or surrounding property that DoD does plan to transfer or lease? The SAR should be revised to address this concern.

Response:

This comment is on the Draft SAR Report and will be addressed in the Final SAR Report.

B.3 RESPONSES TO STATE COMMENTS ON THE DRAFT FINAL EBS REPORT

B.3.1 RESPONSES TO NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION COMMENTS ON THE DRAFT FINAL EBS REPORT

ENTITY:	New York State Department of Environmental Conservation
INDIVIDUAL:	Kamal Gupta
TITLE:	Bureau of Eastern Remedial Action, Division of Environmental Remediation
DATE:	December 26, 1996

Comment B-11:

1. Our comment number 9 (iii)(b) addressed the Army's rumor list. We requested confirmation of listed disposal activities either through a reliable source or by an appropriate sampling and analysis program. The Army in response to our comment stated that reasonable efforts have been expended, including interviews, record review, and visual inspections to conclude that no additional investigation is warranted. However, the reasons given for elimination of rumor list item number 4, 6, 8, 9, 10, 11, 12, 13, 14, and 17 in Table 4-3 of section 4 of EBS report are not satisfactory. All these listed items have been eliminated based on interviews with persons who have questionable knowledge of the stated disposal activity. For some activities the EBS states rumor confirmed or conflicting information obtained, but still proposes no further action. For each rumored disposal activity, the Army should provide an authentic source, which should contradict the rumored disposal activity to justify its elimination from further investigation. Without such documentation we cannot accept a no further action for these listed items.

Response:

Regarding item number 4, which involves potential dumping in former farm water wells, it is the position of the U.S. Army that Seneca's existing groundwater monitoring program should detect problems if there are any. From the perspective of the EBS, without specific locations of these alleged activities it is not possible to designate a specific environmental condition of property parcel.

Regarding item number 6, concerning coal storage north of the salt storage building and elsewhere. The U.S. Army has agreed to investigate the former coal storage area north of the salt storage building and an additional Category 7 parcel has been added to the Final EBS Report. Locational information concerning any other coal storage areas was not available and, therefore, no other additional parcels could be designated.

Regarding item number 8, concerning the burial of drums in a hill north of Post 3. Although no evidence was found to confirm the reported activity, the U.S. Army has agreed to investigate this area. An additional Category 7 parcel has been added to the Final EBS Report.

Regarding item number 9, concerning rumored burial of DDT cans under the "ice rink." Although no evidence was found to confirm the reported activity, the U.S. Army has agreed to investigate this area. An additional Category 7 parcel has been added to the Final EBS Report.

Regarding item number 10, which concerns a reported filled-in pond. Installation personnel reviewed aerial photographs dated from the time the installation was being built. No evidence of ground disturbance or a pond in the location reported was observed.

Regarding item number 11, concerning a berm and roads in the vicinity of Building 309. A tentative location for this activity was identified and designated parcel 109(7) in the Draft Final EBS Report.

Regarding item number 12, concerning a concrete plant and staging area. Installation personnel reviewed aerial photographs dated from the time the installation was being built. Evidence of a concrete plans was not observed in a circa 1941 photograph; however, a staging area near Post 2 was observed. This area is included in Parcel 57(6).

Regarding item number 13, concerning the cleaning of loading docks. This activity cannot be confirmed because there is no identified location for the alleged activity. Without a specific location for this activity, it is not possible to designate a specific environmental condition at property parcel.

Regarding item number 14, concerning coal ash south of Building 123. The U.S. Army has agreed to investigate this area and an additional Category 7 parcel has been added to the Final EBS Report.

Regarding item number 17, concerning herbicide treated soil and for fill along a portion of the "Q-Area" fenceline. This item corresponds with a portion of the previously identified SWMU, SEAD-51. A No Action agreement has been reached regarding this SWMU.

Comment B-12:

2. Table 2-3 - Spill List: A comparison of the table found in the draft EBS and the draft final EBS reveals a number of discrepancies. Agency identification numbers, quantities spilled, facilities involved, and dates of occupancy listed in the draft final version differ significantly from the original table. Please have the consultant correct these differences and provide an accurate summary of spills at the Depot which have been reported to the NYSDEC.

Response:

The spill list presented in the Draft EBS Report was not consistent with installation records and was revised for the Draft Final EBS Report. These changes were made based on information provided by the installation. A few additional changes have been made to the spill list in the Final EBS Report (see Comment B-1), which is consistent with installation records.

B.4 RESPONSES TO U.S. ARMY MATERIAL COMMAND COMMENTS ON THE DRAFT FINAL EBS REPORT

The U.S. Army Materiel Command did not comment on the Draft Final EBS Report.

B.5 RESPONSES TO U.S. ARMY ENVIRONMENTAL CENTER COMMENTS ON THE DRAFT FINAL EBS REPORT

The U.S. Army Environmental Center did not comment on the Draft Final EBS Report.

B.6 RESPONSES TO U.S. ARMY CORPS OF ENGINEERS COMMENTS ON THE DRAFT FINAL EBS REPORT

The U.S. Army Corps of Engineers did not comment on the Draft Final EBS Report.

B.7 RESPONSES TO OTHER COMMENTS ON THE DRAFT FINAL EBS REPORT

No other agencies commented on the Draft Final EBS Report.

APPENDIX B

DATABASE SEARCH REPORT

VISTA INFORMATION SOLUTIONS

FACILITY RISK PROFILE

Client Project/P.O. No.:	VISTA Report No.: 088933011
Client Reference Name:	Date of Report: Nov. 9, 1995

SITE DESCRIPTION

SENECA ARMY DEPOT

ROMULUS, NY
14541
SENECA COUNTY

ADDITIONAL SEARCH CRITERIA

Facility Names: 1) ARMY
2) GSA-Q
3) USDOD
4) OLD SAMPSON
5) COAST GUARD

Street Names: 1) THIRD 2) BLDG 3) BUILDING 4) SENECA 5) ARMY 6) RT-414 7) RT-96 8) SDSSE 9) SMITH

A search of the VISTA Environmental Database found facility record(s) which fit the above site descriptions and/or additional search criteria. The following is a summary of the combined risks listed in those records:

Summary of Environmental Risks at Site

Records of Existing or Potential Contamination

- *Site is a Federal Superfund Site(NPL)*
- *Site is listed on the US EPA's Evaluation System(CERCLIS)*
- *Site has had RCRA Corrective Actions imposed(CORRACTS)*
- *Site has reported spill incidents (ERNS)*
- *Site is on State cleanup list (SPL/SCL)*
- *Site has reported incidence of Leaking Underground Storage Tanks (LUST)*
- *Site has reported spill incidents listed in the State's Spill Database (SPILLS)*

Records of Hazardous Materials or Environmental Permits

5060 Shoreham Place, Suite 300, San Diego, CA 92122

- *Site is a hazardous waste treatment/storage/disposal facility(RCRIS TSD)*
- *Site generates hazardous waste(RCRIS Generator)*
- *Site has a permit to discharge waste water (PCS)*
- *Site produces regulated air emissions(AIRS)*
- *Site operates a public drinking water system(FRDS)*
- *Site listed in the EPA FINDS system(FINDS)*
- *Site utilizes storage tanks(UST/AST)*

Records of Environmental Non-Compliance

- *Site has violations under the RCRA program(RCRIS)*

5060 Shoreham Place, Suite 300, San Diego, CA 92122

For more info call: (619) 450-6100

INVENTORY OF ENVIRONMENTAL RECORDS REVIEWED

Records of Existing and Potential Contamination

Agency/Database	Type of Record	List Available	Record Found	Rec. Not Found
US EPA NPL	FEDERAL SUPERFUND SITE	Y	X	
US EPA CERC/NFRAP	CERCLIS(C)/NFRAP(N) SITE	Y	C	
US EPA CORRACTS	CORRECTIVE ACTIONS SITE	Y	X	
US EPA ERNS	SPILL NOTIFICATION	Y	X	
STATE SPL/SCL	CONTAMINATED SITE	Y	X	
STATE LUST	LEAKING TANKS SITE	Y	X	
STATE SOLID WASTE	SOLID WASTE SITE	Y		X
STATE SPILL	SPILL SITE	Y	X	

Records Indicating Hazardous Materials or Environmental Permits Present

Agency/Database	Type of Record	List Available	Record Found	Rec. Not Found
US EPA RCRIS	HAZ WASTE TSD SITE	Y	X	
US EPA RCRIS	HAZ WASTE TRANSPORTER	Y		X
US EPA RCRIS	HAZ WASTE GENERATOR	Y	X	
US EPA PADS	PCB HANDLER	Y		X
US EPA CICIS	CHEMICAL PRODUCER SITE	Y		X
US EPA TRIS	TOXIC CHEMICAL RELEASES	Y		X
US EPA PCS	WASTE WATER PERMIT	Y	X	
US EPA AIRS	REGULATED AIR EMISSIONS	Y	X	
US EPA FATES	PESTICIDES PROCESSOR	Y		X
US EPA FRDS	PUBLIC WATER SUPPLY	Y	X	
US EPA FINDS	FACILITY INDEX SYSTEM	Y	X	
STATE UST/AST	TANK SITES	Y	X	

Records of Environmental Compliance

Agency/Database	Type of Record	List Available	Record Found	Rec. Not Found
US EPA RCRIS	RCRA COMPLIANCE	Y	X	
US EPA RAATS	RCRA ADMIN. ACTIONS	Y		X
US EPA PCS	NPDES COMPL/ENF	Y		X
US EPA AIRS	AIR EMISSION COMPLIANCE	Y		X
US EPA FTTS	FIFRA/TSCA/EPCRA COMP	Y		X
US DoL OSHA	OSHA COMPLIANCE	Y		X
US EPA SETS	RESPONSIBLE PARTY	Y		X
US EPA DOCKET	CIVIL JUDICIAL ACTIONS	Y		X

VISTA INFORMATION SOLUTIONS, INC.

General Records Found Under Site Description

Facility Name	: **SENECA ARMY DEPOT**
Facility Address	: **NOT REPORTED**
Facility City/Zip	: **ROMULUS, NY 14541**
Facility County	: **NOT REPORTED**
VISTA #	: **1211676**

FRDS Record Details

No details available for this list

VISTA INFORMATION SOLUTIONS, INC.

General Records Found Under Site Description

Facility Name	: **SENECA ARMY DEPOT**
Facility Address	: **BLDG 118 THIRD AVENUE**
Facility City/Zip	: **ROMULUS, NY**
Facility County	: **SENECA**
VISTA Enhanced City/Zip	: **ROMULUS , 14541**
VISTA #	: **3537044**

State Spill Record Details

Agency ID Number:9204312

Owner Information

Resp. Name: U S ARMY

Spill Details

Incident Date:	07/15/92
Substance:	DIESEL
Quantity:	2.00 GALLONS
Media Affected:	SOIL/LAND/SAND
Spill Cause:	MECHANICAL FAILURE/EQUIPM
Remediation Status:	CASE CLOSED/CLEANUP COMPLETE

VISTA INFORMATION SOLUTIONS, INC.

General Records Found Under Site Description

Facility Name	: SENECA ARMY DEPOT
Facility Address	: BLDG 330
Facility City/Zip	: ROMULUS, NY
Facility County	: SENECA
VISTA Enhanced City/Zip	: ROMULUS , 14541
VISTA #	: 4253884

State Spill Record Details

Agency ID Number:9306000

Owner Information

Resp. Name: SENECA ARMY DEPOT

Spill Details

Incident Date:	08/16/93
Substance:	HAZARDOUS
Quantity:	5.00 GALLONS
Media Affected:	SOIL/LAND/SAND
Spill Cause:	HUMAN ERROR
Remediation Status:	CASE CLOSED/CLEANUP COMPLETE

VISTA INFORMATION SOLUTIONS, INC.

General Records Found Under Site Description

Facility Name	: **SENECA ARMY DEPOT**
Facility Address	: **BLDG 710**
Facility City/Zip	: **ROMULUS, NY**
Facility County	: **SENECA**
VISTA Enhanced City/Zip	: **ROMULUS , 14541**
VISTA #	: **4112546**

LUST Record Details

Agency ID Number:8907242

Owner Information

Resp. Name:	SENECA ARMY DEPOT
Resp. City:	ROMULUS NY

LUST Details

Leak Date:	10/20/89
Substance:	FUEL OIL #2
Media Affected:	SOIL/LAND/SAND
Leak Source:	NON-COMMERCIAL INDUSTRY
Remed. Status:	CASE CLOSED/CLEANUP COMPL

VISTA INFORMATION SOLUTIONS, INC.

General Records Found Under Site Description

Facility Name	: **SENECA ARMY DEPOT**
Facility Address	: **BLDG 806**
Facility City/Zip	: **ROMULUS, NY**
Facility County	: **SENECA**
VISTA Enhanced City/Zip	: **ROMULUS , 14541**
VISTA #	: **4112547**

LUST Record Details

Agency ID Number:8907722

Owner Information

Resp. Name:	SENECA ARMY DEPOT
Resp. City:	ROMULUS NY

LUST Details

Leak Date:	11/01/89
Substance:	FUEL OIL #2
Media Affected:	GROUNDWATER
Leak Source:	NON-COMMERCIAL INDUSTRY
Remed. Status:	CASE CLOSED/CLEANUP COMPL

VISTA INFORMATION SOLUTIONS, INC.

General Records Found Under Site Description

Facility Name	: **SENECA ARMY DEPOT**
Facility Address	: **BUILDING #212**
Facility City/Zip	: **ROMULUS, NY**
Facility County	: **SENECA**
VISTA Enhanced City/Zip	: **ROMULUS , 14541**
VISTA #	: **4112548**

LUST Record Details

Agency ID Number:8910053

Owner Information

Resp. Name: SENECA ARMY DEPOT

LUST Details

Leak Date: 01/19/90
Substance: FUEL OIL #2
Media Affected: STREET/GUTTER/SEWER
Leak Source: NON-COMMERCIAL INDUSTRY
Remed. Status: CASE CLOSED/CLEANUP COMPL

VISTA INFORMATION SOLUTIONS, INC.

General Records Found Under Site Description

Facility Name	: **SENECA ARMY DEPOT**
Facility Address	: **2452 QUARTERS AREA**
Facility City/Zip	: **ROMULUS, NY**
Facility County	: **SENECA**
VISTA Enhanced City/Zip	: **ROMULUS , 14541**
VISTA #	: **3539976**

LUST Record Details

Agency ID Number:9204266

Owner Information

Resp. Name: U S ARMY

Resp. Address: SAME

LUST Details

Leak Date: 07/14/92

Substance: FUEL OIL #2

Media Affected: GROUNDWATER

Leak Source: NON-COMMERCIAL INDUSTRY

Remed. Status: CASE CLOSED/CLEANUP COMPL

VISTA INFORMATION SOLUTIONS, INC.

General Records Found Under Site Description

Facility Name	: **SENECA ARMY DEPOT 1**
Facility Address	: **ROUTE 414**
Facility City/Zip	: **ROMULUS, NY**
Facility County	: **NOT REPORTED**
VISTA Enhanced City/Zip	: **ROMULUS , 14541**
VISTA #	: **1123647**

State Spill Record Details

Agency ID Number:8801942

Owner Information

Resp. Name:	SENECA ARMY DEPOT
Resp. Address:	ROUTE 414
Resp. City:	ROMULUS NY

Spill Details

Incident Date:	06/01/88
Substance:	UNKNOWN
Media Affected:	SURFACE WATER
Spill Cause:	UNKNOWN
Remediation Status:	CASE CLOSED/CLEANUP COMPLETE

VISTA INFORMATION SOLUTIONS, INC.

General Records Found Under Site Description

Facility Name	: OLD SAMPSON AIR FORCE BAS
Facility Address	: ROUTE 414
Facility City/Zip	: ROMULUS, NY
Facility County	: SENECA
VISTA Enhanced City/Zip	: ROMULUS , 14541
VISTA #	: 1531488

State Spill Record Details

Agency ID Number:9100783

Spill Details

Incident Date:	07/19/89
Substance:	PCB OIL
Media Affected:	SOIL/LAND/SAND
Spill Cause:	SLOPPY 'HOUSEKEEPING'/REL
Remediation Status:	CASE CLOSED/CLEANUP COMPLETE

VISTA INFORMATION SOLUTIONS, INC.

General Records Found Under Site Description

Facility Name	: **SENECA ARMY DEPOT**
Facility Address	: **ROUTE 96 EAST BLDG 367**
Facility City/Zip	: **ROMULUS, NY**
Facility County	: **SENECA**
VISTA Enhanced City/Zip	: **ROMULUS , 14541**
VISTA #	: **4716365**

State Spill Record Details

Agency ID Number:9310872

Owner Information

Resp. Name: SENECA ARMY DEPOT

Spill Details

Incident Date:	12/06/93
Substance:	UNKNOWN
Media Affected:	SOIL/LAND/SAND
Spill Cause:	DUMPING
Remediation Status:	CASE CLOSED/CLEANUP COMPLETE

VISTA INFORMATION SOLUTIONS, INC.

General Records Found Under Site Description

Facility Name	: **SENECA ARMY DEPOT**
Facility Address	: **ROUTE 96A AIRFD BLDG 2305**
Facility City/Zip	: **ROMULUS, NY**
Facility County	: **SENECA**
VISTA Enhanced City/Zip	: **ROMULUS , 14541**
VISTA #	: **1521704**

LUST Record Details

Agency ID Number:9400104

Owner Information

Resp. Name: SENECA ARMY DEPOT
Resp. City: ROMULUS

LUST Details

Leak Date: 04/04/94
Substance: FUEL OIL #2
Quantity: 100.00 GALLONS
Media Affected: SURFACE WATER
Leak Source: NON-COMMERCIAL INDUSTRY
Remed. Status: CASE CLOSED/CLEANUP COMPL

LUST Record Details

Agency ID Number:9307284

Owner Information

Resp. Name: US ARMY SENECA DEPOT
Resp. Address: SAME

LUST Details

Leak Date: 09/15/93
Substance: FUEL OIL #2
Quantity: 20.00 GALLONS

SENECA ARMY DEPOT (continued)

Media Affected: SOIL/LAND/SAND
Leak Source: NON-COMMERCIAL INDUSTRY
Remed. Status: CASE OPEN

LUST Record Details

Agency ID Number:9209672

Owner Information

Resp. Name: IT CORPORATION
Resp. Address: 140 ALLENS CREEK RAD
Resp. City: ROCHESTER, NY

LUST Details

Leak Date: 11/19/92
Substance: FUEL OIL #2
Quantity: 1700.00 GALLONS
Media Affected: GROUNDWATER
Leak Source: NON-COMMERCIAL INDUSTRY
Remed. Status: CASE CLOSED/CLEANUP COMPL

State Spill Record Details

Agency ID Number:9400104

Owner Information

Resp. Name: SENECA ARMY DEPOT
Resp. City: ROMULUS

Spill Details

Incident Date: 11/26/94
Substance: NON-PCB OIL
Quantity: 2.00 GALLONS
Media Affected: SOIL/LAND/SAND
Spill Cause: AUTO ACCIDENT
Remediation Status: CASE CLOSED/CLEANUP COMPLETE

VISTA INFORMATION SOLUTIONS, INC.

General Records Found Under Site Description

Facility Name	: **SENECA ARMY DEPOT BLG 331**
Facility Address	: **ROUTE 96A BLDG 331**
Facility City/Zip	: **ROMULUS, NY**
Facility County	: **SENECA**
VISTA Enhanced City/Zip	: **ROMULUS , 14541**
VISTA #	: **3860421**

State Spill Record Details

Agency ID Number:9409986

Owner Information

Resp. Name:	SENECA ARMY DEPOT
Resp. Address:	ROUTE 96
Resp. City:	ROMULUS, NY 14541-5001

Spill Details

Incident Date:	10/24/94
Substance:	DIESEL
Media Affected:	GROUNDWATER
Spill Cause:	HUMAN ERROR
Remediation Status:	CASE CLOSED/CLEANUP COMPLETE

VISTA INFORMATION SOLUTIONS, INC.

General Records Found Under Site Description

Facility Name	: **SENECA ARMY DEPOT**
Facility Address	: **RTE 96**
Facility City/Zip	: **ROMULUS, NY 14541**
Facility County	: **NOT REPORTED**
VISTA #	: **1340589**

Industry Description
Sic Code:8999 - SVC-SERVICES NEC

State Clean-Up Record Details

EPA ID Number:NY0213820830

Agency ID Number:850006

Owner Information

Owner Name:	U.S. ARMY
Owner Address:	ROUTE 96A
Owner City:	ROMULUS
Owner State:	NY

Site Information

Facility Type:	OPEN DUMP
NPL Status:	
State Status:	REMEDIAL ACTION PENDING
Waste #1:	AMMUNITION WASTE
Waste #2:	CHLORINATED SOLVENTS
Additional Details:	Detailed Site Description Available. Call 1-800-877-3824 for Details.

RCRA Record Details

EPA ID Number:NY0213820830

Generator Details

Waste Quantity Class: Generates at least 1000 kg./month of non-acutely hazardous waste (or 1 kg./month of acutely hazardous waste).

RCRA Record Details

EPA ID Number:NY0213820830

TSD Details

TSD Activities: This facility is engaged in the treatment/storage and or disposal of hazardous waste

Incinerator Universe: VERIFIED INCINERATOR FACILITY.

Storage Treatment Universe: VERIFIED STORAGE/TREATMENT FACILITY.

Violations: TSD Closure/Post Closure Req. Viol.: This handler has violations outstanding in the Closure/Post Closure Area

State Spill Record Details

Agency ID Number:9402630

Owner Information

Resp. Name: US ARMY/ SPRAGUE ENE

Spill Details

Incident Date: 05/23/94

Substance: FUEL OIL #6

Quantity: 40.00 GALLONS

Media Affected: SOIL/LAND/SAND

Spill Cause: OVERFILL/OVERFLOW

Remediation Status: CASE CLOSED/CLEANUP COMPLETE

State Spill Record Details

Agency ID Number:9402116

Owner Information

Resp. Name: SENECA ARMY DEPOT

Resp. Address: SAME

Spill Details

Incident Date: 05/12/94

Substance: DIESEL

Quantity: 15.00 GALLONS

Media Affected: SOIL/LAND/SAND

Spill Cause: MECHANICAL FAILURE/EQUIPM

Remediation Status: CASE CLOSED/CLEANUP COMPLETE

State Spill Record Details

Agency ID Number:9400993

Owner Information

Resp. Name: SENECA ARMY DEPOT
Resp. Address: ROUTE 96
Resp. City: ROMULUS, NY

Spill Details

Incident Date: 04/13/94
Substance: UNKNOWN
Quantity: 530.00 POUNDS
Media Affected: AIR
Spill Cause: HUMAN ERROR
Remediation Status: CASE CLOSED/CLEANUP COMPLETE

State Spill Record Details

Agency ID Number:9011429

Owner Information

Resp. Name: US ARMY/PETROL MGT S
Resp. Address: ROUTE 96A BLDG 2305
Resp. City: ROMULUS, NY 14541

Spill Details

Incident Date: 01/22/91
Substance: FUEL OIL #2
Quantity: 25.00 GALLONS
Media Affected: SOIL/LAND/SAND
Spill Cause: OVERFILL/OVERFLOW
Remediation Status: CASE CLOSED/CLEANUP COMPLETE

LUST Record Details

Agency ID Number:9402630

Owner Information

Resp. Name: US ARMY/ SPRAGUE ENE

LUST Details

Leak Date: 02/12/90
Substance: GASOLINE (UNSPECIFIED)
Media Affected: GROUNDWATER
Leak Source: NON-COMMERCIAL INDUSTRY
Remed. Status: CASE CLOSED/CLEANUP COMPL

LUST Record Details

Agency ID Number:9402116

Owner Information

Resp. Name: SENECA ARMY DEPOT
Resp. Address: SAME

LUST Details

Leak Date: 09/22/88
Substance: JET FUEL
Media Affected: GROUNDWATER
Leak Source: NON-COMMERCIAL INDUSTRY
Remed. Status: CASE CLOSED/CLEANUP COMPL

LUST Record Details

Agency ID Number:9400993

Owner Information

Resp. Name: SENECA ARMY DEPOT
Resp. Address: ROUTE 96
Resp. City: ROMULUS, NY

LUST Details

Leak Date: 12/08/87
Substance: GASOLINE (UNSPECIFIED)
Media Affected: GROUNDWATER
Leak Source: NON-COMMERCIAL INDUSTRY
Remed. Status: CASE CLOSED/CLEANUP COMPL

LUST Record Details

Agency ID Number:9011429

Owner Information

Resp. Name: US ARMY/PETROL MGT S
Resp. Address: ROUTE 96A BLDG 2305
Resp. City: ROMULUS, NY 14541

LUST Details

Leak Date: 11/16/87
Substance: FUEL OIL #2
Media Affected: GROUNDWATER
Leak Source: NON-COMMERCIAL INDUSTRY
Remed. Status: CASE CLOSED/CLEANUP COMPL

State Spill Record Details

Agency ID Number:8910830

Owner Information

Resp. Name: SENECA ARMY DEPOT

Spill Details

Incident Date: 10/05/87
Substance: FUEL OIL #6
Quantity: 3000.00 GALLONS
Media Affected: SOIL/LAND/SAND
Spill Cause: MECHANICAL FAILURE/EQUIPM
Remediation Status: CASE CLOSED/CLEANUP COMPLETE

State Spill Record Details

Agency ID Number:8805363

Owner Information

Resp. Name: SENECA ARMY DEPOT
Resp. Address: ROUTE 96
Resp. City: ROMULUS NY

Spill Details

Incident Date: 02/25/93
Substance: SEWAGE
Quantity: 500.00 GALLONS
Media Affected: SOIL/LAND/SAND
Spill Cause: MECHANICAL FAILURE/EQUIPM
Remediation Status: CASE CLOSED/CLEANUP COMPLETE

State Spill Record Details

Agency ID Number:8707703

Owner Information

Resp. Name: SENECA ARMY DEPOT
Resp. Address: ROUTE 96
Resp. City: ROMULUS NY

Spill Details

Incident Date: 03/01/93
Substance: DIESEL
Quantity: 80.00 GALLONS
Media Affected: SOIL/LAND/SAND

SENECA ARMY DEPOT (continued)

Spill Cause: OTHER CAUSE
Remediation Status: CASE CLOSED/CLEANUP COMPLETE

State Spill Record Details

Agency ID Number:8706958

Owner Information

Resp. Name: SENECA ARMY DEPOT BL
Resp. Address: ROUTE 96
Resp. City: ROMULUS NY

Spill Details

Incident Date: 11/30/92
Substance: NON-PCB OIL
Quantity: 30.00 GALLONS
Media Affected: SOIL/LAND/SAND
Spill Cause: HUMAN ERROR
Remediation Status: CASE CLOSED/CLEANUP COMPLETE

State Spill Record Details

Agency ID Number:8705646

Owner Information

Resp. Name: SENECA ARMY DEPOT
Resp. Address: ROUTE 96A
Resp. City: ROMULUS NY

Spill Details

Incident Date: 11/09/92
Substance: FUEL OIL #2
Quantity: 15.00 GALLONS
Media Affected: SOIL/LAND/SAND
Spill Cause: MECHANICAL FAILURE/EQUIPM
Remediation Status: CASE CLOSED/CLEANUP COMPLETE

State Spill Record Details

Agency ID Number:9213269

Owner Information

Resp. Name: SENECA ARMY DEPOT
Resp. Address: SAME

Spill Details

Incident Date:	10/28/92
Substance:	HAZARDOUS
Quantity:	3.00 GALLONS
Media Affected:	SOIL/LAND/SAND
Spill Cause:	HUMAN ERROR
Remediation Status:	CASE CLOSED/CLEANUP COMPLETE

State Spill Record Details

Agency ID Number:9213247

Owner Information

Resp. Name:	SENECA ARMY DEPOT
Resp. Address:	SAME

Spill Details

Incident Date:	09/23/92
Substance:	FUEL OIL #2
Quantity:	10.00 GALLONS
Media Affected:	GROUNDWATER
Spill Cause:	HUMAN ERROR
Remediation Status:	CASE CLOSED/CLEANUP COMPLETE

LUST Record Details

Agency ID Number:8910830

Owner Information

Resp. Name:	SENECA ARMY DEPOT

LUST Details

Leak Date:	09/22/92
Substance:	FUEL OIL #2
Media Affected:	SOIL/LAND/SAND
Leak Source:	NON-COMMERCIAL INDUSTRY
Remed. Status:	CASE CLOSED/CLEANUP COMPL

State Spill Record Details

Agency ID Number:9210155

Owner Information

Resp. Name:	R L BATES
Resp. Address:	CONTRACTOR

Spill Details

Incident Date:	09/09/92
Substance:	HAZARDOUS
Quantity:	252.00 GALLONS
Media Affected:	SOIL/LAND/SAND
Spill Cause:	HUMAN ERROR
Remediation Status:	CASE CLOSED/CLEANUP COMPLETE

State Spill Record Details

Agency ID Number:9209232

Owner Information

Resp. Name:	SENECA ARMY DEPOT
Resp. Address:	SAME

Spill Details

Incident Date:	09/08/92
Substance:	WASTE OIL
Media Affected:	SOIL/LAND/SAND
Spill Cause:	HUMAN ERROR
Remediation Status:	CASE CLOSED/CLEANUP COMPLETE

State Spill Record Details

Agency ID Number:9208729

Owner Information

Resp. Name:	SENECA ARMY DEPOT
Resp. Address:	SAME

Spill Details

Incident Date:	10/30/91
Substance:	HAZARDOUS
Quantity:	5.00 GALLONS
Media Affected:	SOIL/LAND/SAND
Spill Cause:	HUMAN ERROR
Remediation Status:	CASE CLOSED/CLEANUP COMPLETE

LUST Record Details

Agency ID Number:8805363

Owner Information

Resp. Name: SENECA ARMY DEPOT
Resp. Address: ROUTE 96
Resp. City: ROMULUS NY

LUST Details

Leak Date: 09/13/91
Substance: FUEL OIL #2
Media Affected: GROUNDWATER
Leak Source: NON-COMMERCIAL INDUSTRY
Remed. Status: CASE CLOSED/CLEANUP COMPL

LUST Record Details

Agency ID Number:8707703

Owner Information

Resp. Name: SENECA ARMY DEPOT
Resp. Address: ROUTE 96
Resp. City: ROMULUS NY

LUST Details

Leak Date: 09/10/91
Substance: GASOLINE (UNSPECIFIED)
Media Affected: GROUNDWATER
Leak Source: NON-COMMERCIAL INDUSTRY
Remed. Status: CASE CLOSED/CLEANUP COMPL

State Spill Record Details

Agency ID Number:9207312

Owner Information

Resp. Name: SENECA ARMY DEPOT
Resp. Address: SAME

Spill Details

Incident Date: 04/23/91
Substance: HAZARDOUS
Quantity: 45.00 GALLONS
Media Affected: SOIL/LAND/SAND
Spill Cause: UNKNOWN
Remediation Status: CASE CLOSED/CLEANUP COMPLETE

State Spill Record Details

Agency ID Number:9207220

Owner Information

Resp. Name: SENECA ARMY DEPOT PR
Resp. Address: SAME

Spill Details

Incident Date: 04/17/91
Substance: JET FUEL
Quantity: 18.00 GALLONS
Media Affected: SOIL/LAND/SAND
Spill Cause: MECHANICAL FAILURE/EQUIPM
Remediation Status: CASE CLOSED/CLEANUP COMPLETE

State Spill Record Details

Agency ID Number:9206730

Owner Information

Resp. Name: US ARMY
Resp. Address: RTE 96
Resp. City: ROMULUS N.Y.

Spill Details

Incident Date: 05/23/95
Substance: NON-PCB OIL
Quantity: 5.00 GALLONS
Media Affected: SOIL/LAND/SAND
Spill Cause: MECHANICAL FAILURE/EQUIPM
Remediation Status: CASE CLOSED/CLEANUP COMPLETE

State Spill Record Details

Agency ID Number:9206638

Owner Information

Resp. Name: U S ARMY

Spill Details

Incident Date: 01/04/95
Substance: DIESEL
Quantity: 100.00 GALLONS
Media Affected: SOIL/LAND/SAND
Spill Cause: MECHANICAL FAILURE/EQUIPM

SENECA ARMY DEPOT (continued)

Remediation Status: CASE OPEN

LUST Record Details

Agency ID Number:8706958

Owner Information

Resp. Name: SENECA ARMY DEPOT BL
Resp. Address: ROUTE 96
Resp. City: ROMULUS NY

LUST Details

Leak Date: 12/08/94
Substance: FUEL OIL #2
Media Affected: SOIL/LAND/SAND
Leak Source: NON-COMMERCIAL INDUSTRY
Remed. Status: CASE CLOSED/CLEANUP COMPL

FINDS Record Details

EPA ID Number:NY0213820830

Agency Id Information

Program Name: Haz Waste
Agency Id: NY0213820830

Program Name: NPDES
Agency Id: NY0021296

Program Name: AIR
Agency Id: 3609900003

Program Name: AIR
Agency Id: 3609900011

Program Name: CERCLIS
Agency Id: NY0213820830

Program Name: Fed Activities
Agency Id: NY-213820830

SENECA ARMY DEPOT (continued)

Program Name: Fed Activities
Agency Id: NY-971520830

Program Name: TOXICS-PADS
Agency Id: NY0213820830

VISTA INFORMATION SOLUTIONS, INC.

General Records Found Under Site Description

Facility Name	: **SENECA ARMY DEPOT**
Facility Address	: **SDSSE-AD**
Facility City/Zip	: **ROMULUS, NY 14541**
Facility County	: **SENECA**
VISTA #	: **374101**

NPL Record Details

EPA ID Number:NY0213820830

VISTA INFORMATION SOLUTIONS, INC.

General Records Found Under Site Description

Facility Name	: **US COAST GUARD LORAN STATION S**
Facility Address	: **SENCA ARMY DEPOT**
Facility City/Zip	: **ROMULUS, NY 14541**
Facility County	: **NOT REPORTED**
VISTA #	: **445447**

State Spill Record Details

Agency ID Number:9306216

Owner Information

Resp. Name: US COAST GUARD

Spill Details

Incident Date: 08/21/91
Substance: DIESEL
Media Affected: GROUNDWATER
Spill Cause: OTHER CAUSE
Remediation Status: CASE CLOSED/CLEANUP COMPLETE

VISTA INFORMATION SOLUTIONS, INC.

General Records Found Under Site Description

Facility Name	: **SENECA ARMY DEPOT BG 2079**
Facility Address	: **SENECA ARMY BLDG 2079**
Facility City/Zip	: **ROMULUS, NY**
Facility County	: **SENECA**
VISTA Enhanced City/Zip	: **ROMULUS , 14541**
VISTA #	: **4719832**

LUST Record Details

Agency ID Number:9307375

Owner Information

Resp. Name: SENECA ARMY DEPOT

LUST Details

Leak Date: 09/17/93
Substance: FUEL OIL #6
Media Affected: SOIL/LAND/SAND
Leak Source: NON-COMMERCIAL INDUSTRY
Remed. Status: CASE CLOSED/CLEANUP COMPL

VISTA INFORMATION SOLUTIONS, INC.

General Records Found Under Site Description

Facility Name	: SENECA ARMY DEPOT BLD 357
Facility Address	: SENECA ARMY DEPOT BLG 357
Facility City/Zip	: ROMULUS, NY
Facility County	: NOT REPORTED
VISTA Enhanced City/Zip	: ROMULUS , 14541
VISTA #	: 1356147

State Spill Record Details

Agency ID Number:9004170

Owner Information

Resp. Name: SENECA ARMY DEPOT
Resp. Address: SAME

Spill Details

Incident Date: 07/13/90
Substance: HAZARDOUS
Quantity: 5.00 GALLONS
Media Affected: SOIL/LAND/SAND
Spill Cause: MECHANICAL FAILURE/EQUIPM
Remediation Status: CASE CLOSED/CLEANUP COMPLETE

LUST Record Details

Agency ID Number:9004170

Owner Information

Resp. Name: SENECA ARMY DEPOT
Resp. Address: SAME

LUST Details

Leak Date: 12/19/87
Substance: GASOLINE (UNSPECIFIED)
Media Affected: GROUNDWATER

SENECA ARMY DEPOT BLD 357 (continued)

Leak Source: NON-COMMERCIAL INDUSTRY
Remed. Status: CASE CLOSED/CLEANUP COMPL

State Spill Record Details

Agency ID Number:8708149

Owner Information

Resp. Name: SENECA ARMY DEPOT
Resp. Address: RT 96

Spill Details

Incident Date: 06/09/92
Substance: HAZARDOUS
Quantity: 5.00 GALLONS
Media Affected: SOIL/LAND/SAND
Spill Cause: HUMAN ERROR
Remediation Status: CASE CLOSED/CLEANUP COMPLETE

State Spill Record Details

Agency ID Number:9202883

Owner Information

Resp. Name: U S ARMY

Spill Details

Incident Date: 04/23/92
Substance: HAZARDOUS
Quantity: 1.00 GALLONS
Media Affected: SOIL/LAND/SAND
Spill Cause: HUMAN ERROR
Remediation Status: CASE CLOSED/CLEANUP COMPLETE

LUST Record Details

Agency ID Number:8708149

Owner Information

Resp. Name: SENECA ARMY DEPOT
Resp. Address: RT 96

LUST Details

Leak Date: 03/27/92
Substance: FUEL OIL #2

SENECA ARMY DEPOT PX STA (continued)

Quantity:	75.00 GALLONS
Media Affected:	GROUNDWATER
Leak Source:	NON-COMMERCIAL INDUSTRY
Remed. Status:	CASE CLOSED/CLEANUP COMPL

VISTA INFORMATION SOLUTIONS, INC.

General Records Found Under Site Description

Facility Name	: **US ARMY**
Facility Address	: **SENECA ARMY DEPOT**
Facility City/Zip	: **ROMULUS, NY 14541-5001**
Facility County	: **NOT REPORTED**
VISTA #	: **2495496**

UST Record Details

Agency ID Number:8-416118

Owner Information

Owner Name: SENECA ARMY DEPOT AC
Owner Address: ROUTE 96
Owner City: ROMULUS
Owner State: NY
Owner Zip: 14541

Tank Information

Number of Above Ground Tanks: 91
Number of Underground Tanks: 175

Tanks Details

Tank Id: 188A
Tank Contents: FUEL OIL
Tank Size: 40600 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 165A
Tank Contents: FUEL OIL
Tank Size: 285 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL

US ARMY (continued)

Pipe Type: COPPER
Leak Monitor: MONITOR PRESENT

Tank Id: 059U
Tank Contents: OTHER
Tank Size: 550 GALLONS
Tank Status: TEMP OUT OF SERVICE
Tank Material: FIBERGLASS REINFORCED PLA
Pipe Type: GALVANIZED STEEL
Leak Monitor: NO MONITOR

Tank Id: 026U
Tank Contents: OTHER
Tank Size: 2005 GALLONS
Tank Status: CLOSED & REMOVED
Tank Material: FIBERGLASS REINFORCED PLA
Pipe Type: GALVANIZED STEEL
Leak Monitor: NO MONITOR

Tank Id: 025U
Tank Contents: OTHER
Tank Size: 2005 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: FIBERGLASS REINFORCED PLA
Pipe Type: GALVANIZED STEEL
Leak Monitor: NO MONITOR

Tank Id: 023A
Tank Contents: OTHER
Tank Size: 500 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: MONITOR PRESENT

Tank Id: 170A
Tank Contents: UNLEADED GAS
Tank Size: 500 GALLONS

US ARMY (continued)

Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: COPPER
Leak Monitor: MONITOR PRESENT

Tank Id: 065A
Tank Contents: FUEL OIL
Tank Size: 500 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: COPPER
Leak Monitor: MONITOR PRESENT

Tank Id: 016A
Tank Contents: FUEL OIL
Tank Size: 500 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: COPPER
Leak Monitor: MONITOR PRESENT

Tank Id: 008A
Tank Contents: FUEL OIL
Tank Size: 500 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: COPPER
Leak Monitor: MONITOR PRESENT

Tank Id: 073A
Tank Contents: DIESEL
Tank Size: 2000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: MONITOR PRESENT

Tank Id: 088A

US ARMY (continued)

Tank Contents: FUEL OIL
Tank Size: 500 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: COPPER
Leak Monitor: MONITOR PRESENT

Tank Id: 090A
Tank Contents: FUEL OIL
Tank Size: 500 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: COPPER
Leak Monitor: MONITOR PRESENT

Tank Id: 199A
Tank Contents: FUEL OIL
Tank Size: 275 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: COPPER
Leak Monitor: NO MONITOR

Tank Id: 193A
Tank Contents: FUEL OIL
Tank Size: 275 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: COPPER
Leak Monitor: NO MONITOR

Tank Id: 192A
Tank Contents: FUEL OIL
Tank Size: 275 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: COPPER
Leak Monitor: NO MONITOR

US ARMY (continued)

Tank Id:	191A
Tank Contents:	FUEL OIL
Tank Size:	275 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	COPPER
Leak Monitor:	NO MONITOR

Tank Id:	189A
Tank Contents:	FUEL OIL
Tank Size:	275 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	COPPER
Leak Monitor:	NO MONITOR

Tank Id:	174A
Tank Contents:	UNLEADED GAS
Tank Size:	550 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	GALVANIZED STEEL
Leak Monitor:	NO MONITOR

Tank Id:	173A
Tank Contents:	FUEL OIL
Tank Size:	275 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	COPPER
Leak Monitor:	NO MONITOR

Tank Id:	145A
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL

US ARMY (continued)

Pipe Type: COPPER
Leak Monitor: NO MONITOR

Tank Id: 067A
Tank Contents: FUEL OIL
Tank Size: 275 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: COPPER
Leak Monitor: NO MONITOR

Tank Id: 063A
Tank Contents: FUEL OIL
Tank Size: 275 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: COPPER
Leak Monitor: NO MONITOR

Tank Id: 060A
Tank Contents: FUEL OIL
Tank Size: 275 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: COPPER
Leak Monitor: NO MONITOR

Tank Id: 054A
Tank Contents: FUEL OIL
Tank Size: 275 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: COPPER
Leak Monitor: NO MONITOR

Tank Id: 053U
Tank Contents: FUEL OIL
Tank Size: 2500 GALLONS

US ARMY (continued)

Tank Status: ACTIVE/IN SERVICE
Tank Material: FIBERGLASS REINFORCED PLA
Pipe Type: FIBERGLASS REINFORCED PLA
Leak Monitor: MONITOR PRESENT

Tank Id: 048U
Tank Contents: FUEL OIL
Tank Size: 1000 GALLONS
Tank Status: TEMP OUT OF SERVICE
Tank Material: FIBERGLASS REINFORCED PLA
Pipe Type: GALVANIZED STEEL
Leak Monitor: MONITOR PRESENT

Tank Id: 038U
Tank Contents: OTHER
Tank Size: 10000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: FIBERGLASS REINFORCED PLA
Pipe Type: FIBERGLASS REINFORCED PLA
Leak Monitor: MONITOR PRESENT

Tank Id: 036U
Tank Contents: FUEL OIL
Tank Size: 1000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: FIBERGLASS REINFORCED PLA
Pipe Type: GALVANIZED STEEL
Leak Monitor: MONITOR PRESENT

Tank Id: 032A
Tank Contents: FUEL OIL
Tank Size: 2000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: GALVANIZED STEEL
Leak Monitor: NO MONITOR

Tank Id: 027A

US ARMY (continued)

Tank Contents: FUEL OIL
Tank Size: 275 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: COPPER
Leak Monitor: NO MONITOR

Tank Id: 022A
Tank Contents: FUEL OIL
Tank Size: 275 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: COPPER
Leak Monitor: NO MONITOR

Tank Id: 014A
Tank Contents: FUEL OIL
Tank Size: 275 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: COPPER
Leak Monitor: NO MONITOR

Tank Id: 004A
Tank Contents: FUEL OIL
Tank Size: 275 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: COPPER
Leak Monitor: NO MONITOR

Tank Id: 003A
Tank Contents: FUEL OIL
Tank Size: 275 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: COPPER
Leak Monitor: NO MONITOR

US ARMY (continued)

Tank Id:	002U
Tank Contents:	FUEL OIL
Tank Size:	1000 GALLONS
Tank Status:	CLOSED & REMOVED
Tank Material:	FIBERGLASS REINFORCED PLA
Pipe Type:	COPPER
Leak Monitor:	NO MONITOR

Tank Id:	001U
Tank Contents:	FUEL OIL
Tank Size:	2500 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	FIBERGLASS REINFORCED PLA
Pipe Type:	FIBERGLASS REINFORCED PLA
Leak Monitor:	MONITOR PRESENT

Tank Id:	224A
Tank Contents:	FUEL OIL
Tank Size:	275 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	COPPER
Leak Monitor:	NO MONITOR

Tank Id:	223A
Tank Contents:	FUEL OIL
Tank Size:	275 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	COPPER
Leak Monitor:	NO MONITOR

Tank Id:	222A
Tank Contents:	FUEL OIL
Tank Size:	275 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL

US ARMY (continued)

Pipe Type: COPPER
Leak Monitor: NO MONITOR

Tank Id: 221A
Tank Contents: FUEL OIL
Tank Size: 275 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: COPPER
Leak Monitor: NO MONITOR

Tank Id: 220A
Tank Contents: FUEL OIL
Tank Size: 275 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: COPPER
Leak Monitor: NO MONITOR

Tank Id: 219A
Tank Contents: FUEL OIL
Tank Size: 275 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: COPPER
Leak Monitor: NO MONITOR

Tank Id: 218A
Tank Contents: FUEL OIL
Tank Size: 275 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: COPPER
Leak Monitor: NO MONITOR

Tank Id: 217A
Tank Contents: FUEL OIL
Tank Size: 275 GALLONS

US ARMY (continued)

Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: COPPER
Leak Monitor: NO MONITOR

Tank Id: 216A
Tank Contents: FUEL OIL
Tank Size: 275 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: COPPER
Leak Monitor: NO MONITOR

Tank Id: 209A
Tank Contents: FUEL OIL
Tank Size: 275 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: COPPER
Leak Monitor: NO MONITOR

Tank Id: 211U
Tank Contents: UNLEADED GAS
Tank Size: 3000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: FIBERGLASS REINFORCED PLA
Pipe Type: FIBERGLASS REINFORCED PLA
Leak Monitor: MONITOR PRESENT

Tank Id: 210U
Tank Contents: UNLEADED GAS
Tank Size: 3000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: FIBERGLASS REINFORCED PLA
Pipe Type: FIBERGLASS REINFORCED PLA
Leak Monitor: MONITOR PRESENT

Tank Id: 208A

US ARMY (continued)

Tank Contents:	FUEL OIL
Tank Size:	275 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	COPPER
Leak Monitor:	NO MONITOR

Tank Id:	207A
Tank Contents:	FUEL OIL
Tank Size:	275 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	COPPER
Leak Monitor:	NO MONITOR

Tank Id:	206A
Tank Contents:	FUEL OIL
Tank Size:	275 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	COPPER
Leak Monitor:	NO MONITOR

Tank Id:	205A
Tank Contents:	FUEL OIL
Tank Size:	275 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	COPPER
Leak Monitor:	NO MONITOR

Tank Id:	204A
Tank Contents:	FUEL OIL
Tank Size:	275 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	COPPER
Leak Monitor:	NO MONITOR

US ARMY (continued)

Tank Id:	194U
Tank Contents:	FUEL OIL
Tank Size:	40000 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	187A
Tank Contents:	FUEL OIL
Tank Size:	60000 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	186A
Tank Contents:	FUEL OIL
Tank Size:	275 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	COPPER
Leak Monitor:	NO MONITOR

Tank Id:	185U
Tank Contents:	OTHER
Tank Size:	30000 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	FIBERGLASS REINFORCED PLA
Pipe Type:	FIBERGLASS REINFORCED PLA
Leak Monitor:	MONITOR PRESENT

Tank Id:	007A
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL

US ARMY (continued)

Pipe Type: GALVANIZED STEEL
Leak Monitor: NO MONITOR

Tank Id: 215A
Tank Contents: DIESEL
Tank Size: 6000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: COPPER
Leak Monitor: MONITOR PRESENT

Tank Id: 215U
Tank Contents: DIESEL
Tank Size: 6000 GALLONS
Tank Status: CLOSED & REMOVED
Tank Material: FIBERGLASS REINFORCED PLA
Leak Monitor: NO MONITOR

Tank Id: 214A
Tank Contents: FUEL OIL
Tank Size: 250 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: GALVANIZED STEEL
Leak Monitor: NO MONITOR

Tank Id: 213U
Tank Contents: DIESEL
Tank Size: 550 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: FIBERGLASS REINFORCED PLA
Pipe Type: STEEL/IRON
Leak Monitor: MONITOR PRESENT

Tank Id: 212U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: ACTIVE/IN SERVICE

US ARMY (continued)

Tank Material:	FIBERGLASS REINFORCED PLA
Pipe Type:	FIBERGLASS REINFORCED PLA
Leak Monitor:	NO MONITOR

Tank Id:	211U
Tank Contents:	UNLEADED GAS
Tank Size:	4000 GALLONS
Tank Status:	UNKNOWN
Tank Material:	CARBON STEEL
Leak Monitor:	NO MONITOR

Tank Id:	210U
Tank Contents:	UNLEADED GAS
Tank Size:	4000 GALLONS
Tank Status:	UNKNOWN
Tank Material:	CARBON STEEL
Leak Monitor:	NO MONITOR

Tank Id:	209U
Tank Contents:	LEADED GAS
Tank Size:	4000 GALLONS
Tank Status:	UNKNOWN
Tank Material:	CARBON STEEL
Leak Monitor:	NO MONITOR

Tank Id:	135U
Tank Contents:	FUEL OIL
Tank Size:	1000 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	134U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL

US ARMY (continued)

Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	133U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	132U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	131U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	130U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	129U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS

US ARMY (continued)

Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	128U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	127U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	126U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	125U
Tank Contents:	FUEL OIL
Tank Size:	1000 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	124U

US ARMY (continued)

Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: TEMP OUT OF SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 123U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: TEMP OUT OF SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 122U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: TEMP OUT OF SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 121U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: TEMP OUT OF SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 120U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: TEMP OUT OF SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

US ARMY (continued)

Tank Id:	119U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	118U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	117U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	116U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	115U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL

US ARMY (continued)

Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 114U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: TEMP OUT OF SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 113U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: TEMP OUT OF SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 112U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: TEMP OUT OF SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 111U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: TEMP OUT OF SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 110U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS

US ARMY (continued)

Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	109U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	108U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	FIBERGLASS REINFORCED PLA
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	107U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	106U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	105U

US ARMY (continued)

Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: TEMP OUT OF SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 104U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: TEMP OUT OF SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 103U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: TEMP OUT OF SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 102U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: TEMP OUT OF SERVICE
Tank Material: FIBERGLASS REINFORCED PLA
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 101U
Tank Contents: FUEL OIL*
Tank Size: 550 GALLONS
Tank Status: TEMP OUT OF SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

US ARMY (continued)

Tank Id:	100U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	099U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	098U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	097U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	096U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL

US ARMY (continued)

Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 095U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 094U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 093U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: TEMP OUT OF SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 092U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 091U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS

US ARMY (continued)

Tank Status: TEMP OUT OF SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 090U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: CLOSED & REMOVED
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 089U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: TEMP OUT OF SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 088U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: CLOSED & REMOVED
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 087U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: TEMP OUT OF SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 086U

US ARMY (continued)

Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 085A
Tank Contents: FUEL OIL
Tank Size: 275 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 084A
Tank Contents: FUEL OIL
Tank Size: 275 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 083A
Tank Contents: FUEL OIL
Tank Size: 275 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 082A
Tank Contents: FUEL OIL
Tank Size: 275 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

US ARMY (continued)

Tank Id:	081U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	080U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	079U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	078U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	077U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL

US ARMY (continued)

Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 076U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 075U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 074U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 073A
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: CLOSED & REMOVED
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 072A
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS

US ARMY (continued)

Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 071U
Tank Contents: FUEL OIL
Tank Size: 1000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 070U
Tank Contents: FUEL OIL
Tank Size: 1500 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 069U
Tank Contents: FUEL OIL
Tank Size: 1000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 068U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: TEMP OUT OF SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 067A

US ARMY (continued)

Tank Contents:	FUEL OIL
Tank Size:	275 GALLONS
Tank Status:	CLOSED & REMOVED
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	066U
Tank Contents:	FUEL OIL
Tank Size:	1000 GALLONS
Tank Status:	CLOSED & REMOVED
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	065A
Tank Contents:	FUEL OIL
Tank Size:	275 GALLONS
Tank Status:	CLOSED & REMOVED
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	064A
Tank Contents:	FUEL OIL
Tank Size:	275 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	063A
Tank Contents:	FUEL OIL
Tank Size:	275 GALLONS
Tank Status:	CLOSED & REMOVED
Tank Material:	CARBON STEEL
Pipe Type:	COPPER
Leak Monitor:	NO MONITOR

US ARMY (continued)

Tank Id:	062A
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	CLOSED & REMOVED
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	061A
Tank Contents:	FUEL OIL
Tank Size:	275 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	060A
Tank Contents:	FUEL OIL
Tank Size:	275 GALLONS
Tank Status:	CLOSED & REMOVED
Tank Material:	CARBON STEEL
Pipe Type:	COPPER
Leak Monitor:	NO MONITOR

Tank Id:	059A
Tank Contents:	FUEL OIL
Tank Size:	275 GALLONS
Tank Status:	CLOSED & REMOVED
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	058U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL

US ARMY (continued)

Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 057U
Tank Contents: FUEL OIL
Tank Size: 3000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 056U
Tank Contents: FUEL OIL
Tank Size: 1000 GALLONS
Tank Status: TEMP OUT OF SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 055U
Tank Contents: FUEL OIL
Tank Size: 3000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: FIBERGLASS REINFORCED PLA
Pipe Type: GALVANIZED STEEL
Leak Monitor: NO MONITOR

Tank Id: 054U
Tank Contents: FUEL OIL
Tank Size: 1000 GALLONS
Tank Status: CLOSED & REMOVED
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 053U
Tank Contents: FUEL OIL
Tank Size: 1000 GALLONS

US ARMY (continued)

Tank Status: CLOSED & REMOVED
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 052U
Tank Contents: FUEL OIL
Tank Size: 1500 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 051A
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 050A
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 049U
Tank Contents: FUEL OIL
Tank Size: 1000 GALLONS
Tank Status: CLOSED & REMOVED
Tank Material: CARBON STEEL
Pipe Type: COPPER
Leak Monitor: NO MONITOR

Tank Id: 048U

US ARMY (continued)

Tank Contents:	FUEL OIL
Tank Size:	1000 GALLONS
Tank Status:	CLOSED & REMOVED
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	047U
Tank Contents:	FUEL OIL
Tank Size:	1000 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	046U
Tank Contents:	FUEL OIL
Tank Size:	1000 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	045U
Tank Contents:	FUEL OIL
Tank Size:	1500 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	044U
Tank Contents:	FUEL OIL
Tank Size:	4000 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	FIBERGLASS REINFORCED PLA
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

US ARMY (continued)

Tank Id:	043U
Tank Contents:	FUEL OIL
Tank Size:	3000 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	042U
Tank Contents:	FUEL OIL
Tank Size:	1000 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	041U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	040U
Tank Contents:	FUEL OIL
Tank Size:	1000 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	039U
Tank Contents:	FUEL OIL
Tank Size:	2000 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	FIBERGLASS REINFORCED PLA

US ARMY (continued)

Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 038A
Tank Contents: FUEL OIL
Tank Size: 275 GALLONS
Tank Status: CLOSED & REMOVED
Tank Material: CARBON STEEL
Pipe Type: COPPER
Leak Monitor: NO MONITOR

Tank Id: 037U
Tank Contents: FUEL OIL
Tank Size: 1000 GALLONS
Tank Status: TEMP OUT OF SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 036U
Tank Contents: FUEL OIL
Tank Size: 1000 GALLONS
Tank Status: CLOSED & REMOVED
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 035A
Tank Contents: FUEL OIL
Tank Size: 1000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 034U
Tank Contents: FUEL OIL
Tank Size: 3000 GALLONS

US ARMY (continued)

Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 033U
Tank Contents: FUEL OIL
Tank Size: 2000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 032A
Tank Contents: FUEL OIL
Tank Size: 1000 GALLONS
Tank Status: CLOSED & REMOVED
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 031U
Tank Contents: FUEL OIL
Tank Size: 1000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: FIBERGLASS REINFORCED PLA
Pipe Type: GALVANIZED STEEL
Leak Monitor: NO MONITOR

Tank Id: 030U
Tank Contents: FUEL OIL
Tank Size: 500 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 029U

US ARMY (continued)

Tank Contents: FUEL OIL
Tank Size: 500 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 028U
Tank Contents: FUEL OIL
Tank Size: 500 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 027U
Tank Contents: DIESEL
Tank Size: 550 GALLONS
Tank Status: CLOSED & REMOVED
Tank Material: FIBERGLASS REINFORCED PLA
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 026U
Tank Contents: FUEL OIL
Tank Size: 10000 GALLONS
Tank Status: CLOSED & REMOVED
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 025U
Tank Contents: FUEL OIL
Tank Size: 20000 GALLONS
Tank Status: CLOSED & REMOVED
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

US ARMY (continued)

Tank Id:	024A
Tank Contents:	FUEL OIL
Tank Size:	275 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	023A
Tank Contents:	FUEL OIL
Tank Size:	275 GALLONS
Tank Status:	CLOSED & REMOVED
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	022A
Tank Contents:	FUEL OIL
Tank Size:	275 GALLONS
Tank Status:	CLOSED & REMOVED
Tank Material:	CARBON STEEL
Pipe Type:	GALVANIZED STEEL
Leak Monitor:	NO MONITOR

Tank Id:	021A
Tank Contents:	FUEL OIL
Tank Size:	275 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	020U
Tank Contents:	FUEL OIL
Tank Size:	1000 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL

US ARMY (continued)

Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 019A
Tank Contents: FUEL OIL
Tank Size: 275 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 018A
Tank Contents: FUEL OIL
Tank Size: 275 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 017A
Tank Contents: FUEL OIL
Tank Size: 275 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 016U
Tank Contents: FUEL OIL
Tank Size: 2000 GALLONS
Tank Status: CLOSED & REMOVED
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 015U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS

US ARMY (continued)

Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 014U
Tank Contents: FUEL OIL
Tank Size: 500 GALLONS
Tank Status: CLOSED & REMOVED
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 013U
Tank Contents: FUEL OIL
Tank Size: 1000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 012U
Tank Contents: FUEL OIL
Tank Size: 1000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 011U
Tank Contents: FUEL OIL
Tank Size: 2000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: FIBERGLASS REINFORCED PLA
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 010U

US ARMY (continued)

Tank Contents: FUEL OIL
Tank Size: 500 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 009U
Tank Contents: FUEL OIL
Tank Size: 5000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 008A
Tank Contents: FUEL OIL
Tank Size: 275 GALLONS
Tank Status: CLOSED & REMOVED
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 007U
Tank Contents: FUEL OIL
Tank Size: 3000 GALLONS
Tank Status: UNKNOWN
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 006U
Tank Contents: FUEL OIL
Tank Size: 3000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

US ARMY (continued)

Tank Id:	005U
Tank Contents:	FUEL OIL
Tank Size:	500 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	004A
Tank Contents:	KEROSENE
Tank Size:	275 GALLONS
Tank Status:	CLOSED & REMOVED
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	003A
Tank Contents:	KEROSENE
Tank Size:	550 GALLONS
Tank Status:	CLOSED & REMOVED
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	002A
Tank Contents:	KEROSENE
Tank Size:	275 GALLONS
Tank Status:	CLOSED & REMOVED
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	001A
Tank Contents:	KEROSENE
Tank Size:	275 GALLONS
Tank Status:	CLOSED & REMOVED
Tank Material:	CARBON STEEL

US ARMY (continued)

Pipe Type: COPPER
Leak Monitor: NO MONITOR

Tank Id: 203U
Tank Contents: FUEL OIL
Tank Size: 1000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: FIBERGLASS REINFORCED PLA
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 202U
Tank Contents: DIESEL
Tank Size: 12000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: FIBERGLASS REINFORCED PLA
Pipe Type: FIBERGLASS REINFORCED PLA
Leak Monitor: MONITOR PRESENT

Tank Id: 201U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: TEMP OUT OF SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 200U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: TEMP OUT OF SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 199U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS

US ARMY (continued)

Tank Status: CLOSED & REMOVED
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 198U
Tank Contents: FUEL OIL
Tank Size: 30000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 197U
Tank Contents: FUEL OIL
Tank Size: 20000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 196U
Tank Contents: FUEL OIL
Tank Size: 30000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 195U
Tank Contents: FUEL OIL
Tank Size: 20000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 193A

US ARMY (continued)

Tank Contents:	EMPTY
Tank Size:	275 GALLONS
Tank Status:	CLOSED & REMOVED
Tank Material:	CARBON STEEL
Pipe Type:	COPPER
Leak Monitor:	NO MONITOR

Tank Id:	192A
Tank Contents:	EMPTY
Tank Size:	275 GALLONS
Tank Status:	CLOSED & REMOVED
Tank Material:	CARBON STEEL
Pipe Type:	COPPER
Leak Monitor:	NO MONITOR

Tank Id:	191A
Tank Contents:	EMPTY
Tank Size:	500 GALLONS
Tank Status:	CLOSED & REMOVED
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	190A
Tank Contents:	FUEL OIL
Tank Size:	275 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	189U
Tank Contents:	FUEL OIL
Tank Size:	1000 GALLONS
Tank Status:	CLOSED & REMOVED
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

US ARMY (continued)

Tank Id:	185U
Tank Contents:	OTHER
Tank Size:	17750 GALLONS
Tank Status:	UNKNOWN
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	184U
Tank Contents:	DIESEL
Tank Size:	1500 GALLONS
Tank Status:	UNKNOWN
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	183A
Tank Contents:	DIESEL
Tank Size:	275 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	182U
Tank Contents:	DIESEL
Tank Size:	10000 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	181U
Tank Contents:	DIESEL
Tank Size:	3000 GALLONS
Tank Status:	CLOSED & REMOVED
Tank Material:	CARBON STEEL

US ARMY (continued)

Pipe Type: GALVANIZED STEEL
Leak Monitor: NO MONITOR

Tank Id: 180A
Tank Contents: DIESEL
Tank Size: 275 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 179A
Tank Contents: DIESEL
Tank Size: 200 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 178U
Tank Contents: DIESEL
Tank Size: 550 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 177U
Tank Contents: DIESEL
Tank Size: 12000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: FIBERGLASS REINFORCED PLA
Pipe Type: STEEL/IRON
Leak Monitor: MONITOR PRESENT

Tank Id: 176U
Tank Contents: DIESEL
Tank Size: 10000 GALLONS

US ARMY (continued)

Tank Status: ACTIVE/IN SERVICE
Tank Material: FIBERGLASS REINFORCED PLA
Pipe Type: GALVANIZED STEEL
Leak Monitor: NO MONITOR

Tank Id: 175A
Tank Contents: DIESEL
Tank Size: 275 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 174U
Tank Contents: UNLEADED GAS
Tank Size: 550 GALLONS
Tank Status: CLOSED & REMOVED
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 173U
Tank Contents: UNLEADED GAS
Tank Size: 2000 GALLONS
Tank Status: CLOSED & REMOVED
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 172U
Tank Contents: UNLEADED GAS
Tank Size: 15000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: FIBERGLASS REINFORCED PLA
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 171A

US ARMY (continued)

Tank Contents: FUEL OIL
Tank Size: 275 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 170A
Tank Contents: UNLEADED GAS
Tank Size: 275 GALLONS
Tank Status: CLOSED & REMOVED
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 169A
Tank Contents: FUEL OIL
Tank Size: 275 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 168U
Tank Contents: UNLEADED GAS
Tank Size: 20000 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: FIBERGLASS REINFORCED PLA
Pipe Type: GALVANIZED STEEL
Leak Monitor: NO MONITOR

Tank Id: 167A
Tank Contents: UNLEADED GAS
Tank Size: 275 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

US ARMY (continued)

Tank Id:	166U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	165U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	CLOSED & REMOVED
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	164U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	163U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	162U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL

US ARMY (continued)

Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 161U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: TEMP OUT OF SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 160U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: TEMP OUT OF SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 159U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: TEMP OUT OF SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 158U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: TEMP OUT OF SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 157U
Tank Contents: FUEL OIL
Tank Size: 500 GALLONS

US ARMY (continued)

Tank Status: TEMP OUT OF SERVICE
Tank Material: FIBERGLASS REINFORCED PLA
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 156U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: TEMP OUT OF SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 155U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: TEMP OUT OF SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 154U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: TEMP OUT OF SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 153U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: TEMP OUT OF SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 152U

US ARMY (continued)

Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	151U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	150U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	149U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	148U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

US ARMY (continued)

Tank Id:	147U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	146U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	145U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	CLOSED & REMOVED
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	144U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	143U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	ACTIVE/IN SERVICE
Tank Material:	CARBON STEEL

US ARMY (continued)

Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 142U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 141U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: ACTIVE/IN SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 140U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: TEMP OUT OF SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 139U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS
Tank Status: TEMP OUT OF SERVICE
Tank Material: CARBON STEEL
Pipe Type: STEEL/IRON
Leak Monitor: NO MONITOR

Tank Id: 138U
Tank Contents: FUEL OIL
Tank Size: 550 GALLONS

US ARMY (continued)

Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	137U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

Tank Id:	136U
Tank Contents:	FUEL OIL
Tank Size:	550 GALLONS
Tank Status:	TEMP OUT OF SERVICE
Tank Material:	CARBON STEEL
Pipe Type:	STEEL/IRON
Leak Monitor:	NO MONITOR

VISTA INFORMATION SOLUTIONS, INC.

General Records Found Under Site Description

Facility Name	: SENECA ARMY DEPOT
Facility Address	: SENECA ARMY DEPOT BLDG357
Facility City/Zip	: ROMULUS, NY
Facility County	: SENECA
VISTA Enhanced City/Zip	: ROMULUS , 14541
VISTA #	: 2736221

State Spill Record Details

Agency ID Number:9313511

Owner Information

Resp. Name: SENECA ARMY DEPOT

Spill Details

Incident Date: 02/17/94
Substance: HAZARDOUS
Quantity: 3.00
Media Affected: SOIL/LAND/SAND
Spill Cause: MECHANICAL FAILURE/EQUIPM
Remediation Status: CASE CLOSED/CLEANUP COMPLETE

State Spill Record Details

Agency ID Number:9200414

Owner Information

Resp. Name: SENECA ARMY DEPOT
Resp. City: ROMULUS

Spill Details

Incident Date: 04/10/92
Substance: HAZARDOUS
Quantity: 2.00 GALLONS
Media Affected: SOIL/LAND/SAND

SENECA ARMY DEPOT (continued)

Spill Cause: HUMAN ERROR
Remediation Status: CASE CLOSED/CLEANUP COMPLETE

State Spill Record Details

Agency ID Number:9405377

Spill Details

Incident Date: 05/18/94
Substance: PETROLEUM
Media Affected: GROUNDWATER
Spill Cause: OTHER CAUSE
Remediation Status: CASE OPEN

State Spill Record Details

Agency ID Number:9405376

Spill Details

Incident Date: 07/14/93
Substance: FUEL OIL #2
Media Affected: GROUNDWATER
Spill Cause: OTHER CAUSE
Remediation Status: CASE OPEN

VISTA INFORMATION SOLUTIONS, INC.

General Records Found Under Site Description

Facility Name	: **SENECA ARMY DEPOT-BLDG 4 & 715**
Facility Address	: **SENECA ARMY DEPOT**
Facility City/Zip	: **ROMULUS, NY 14541**
Facility County	: **SENECA**
VISTA #	: **5050621**

State Spill Record Details

Agency ID Number:9312597

Owner Information

Resp. Name: SENECA ARMY DEPOT

Spill Details

Incident Date:	01/25/94
Substance:	HAZARDOUS
Quantity:	18.00 GALLONS
Media Affected:	SOIL/LAND/SAND
Spill Cause:	MECHANICAL FAILURE/EQUIPM
Remediation Status:	CASE CLOSED/CLEANUP COMPLETE

VISTA INFORMATION SOLUTIONS, INC.

General Records Found Under Site Description

Facility Name	: **SENECA ARMY DEPOT**
Facility Address	: **SENECA ARMY DT BLDG 349**
Facility City/Zip	: **ROMULUS, NY**
Facility County	: **SENECA**
VISTA Enhanced City/Zip	: **ROMULUS , 14541**
VISTA #	: **2736222**

State Spill Record Details

Agency ID Number:8904332

Owner Information

Resp. Name: US ARMY DEPOT
Resp. City: ROMULUS NY

Spill Details

Incident Date: 07/31/89
Substance: UNKNOWN
Media Affected: SURFACE WATER
Spill Cause: UNKNOWN
Remediation Status: CASE CLOSED/CLEANUP COMPLETE
Waterway: KENDIA CREEK

State Spill Record Details

Agency ID Number:8604874

Owner Information

Resp. Name: SENECA ARMY DEPOT

Spill Details

Incident Date: 10/30/86
Substance: FUEL OIL #6
Quantity: 5.00 GALLONS
Media Affected: SOIL/LAND/SAND

SENECA ARMY DEPOT (continued)

Spill Cause: MECHANICAL FAILURE/EQUIPM
Remediation Status: CASE CLOSED/CLEANUP COMPLETE

LUST Record Details

Agency ID Number:8904332

Owner Information

Resp. Name: US ARMY DEPOT
Resp. City: ROMULUS NY

LUST Details

Leak Date: 06/11/92
Substance: FUEL OIL #2
Media Affected: GROUNDWATER
Leak Source: NON-COMMERCIAL INDUSTRY
Remed. Status: CASE OPEN

State Spill Record Details

Agency ID Number:9203242

Owner Information

Resp. Name: UNITED STATES ARMY

Spill Details

Incident Date: 03/23/92
Substance: JET FUEL
Quantity: 15.00 GALLONS
Media Affected: SOIL/LAND/SAND
Spill Cause: MECHANICAL FAILURE/EQUIPM
Remediation Status: CASE CLOSED/CLEANUP COMPLETE

State Spill Record Details

Agency ID Number:9112997

Owner Information

Resp. Name: SENECA ARMY DEPOT
Resp. Address: BUILDING 319
Resp. City: ROMULUS, NY

Spill Details

Incident Date: 03/18/92
Substance: HAZARDOUS

SENECA ARMY DEPOT (continued)

Quantity: 3.00 GALLONS
Media Affected: SOIL/LAND/SAND
Spill Cause: MECHANICAL FAILURE/EQUIPM
Remediation Status: CASE CLOSED/CLEANUP COMPLETE

State Spill Record Details

Agency ID Number:9112897

Owner Information

Resp. Name: U.S. ARMY

Spill Details

Incident Date: 02/19/92
Substance: FUEL OIL #6
Quantity: 30.00 GALLONS
Media Affected: STREET/GUTTER/SEWER
Spill Cause: MECHANICAL FAILURE/EQUIPM
Remediation Status: CASE CLOSED/CLEANUP COMPLETE

State Spill Record Details

Agency ID Number:9111882

Spill Details

Incident Date: 12/10/91
Substance: NON-PCB OIL
Quantity: 5.00 GALLONS
Media Affected: SOIL/LAND/SAND
Spill Cause: HUMAN ERROR
Remediation Status: CASE CLOSED/CLEANUP COMPLETE

VISTA INFORMATION SOLUTIONS, INC.

General Records Found Under Site Description

Facility Name	: SENECA ARMY DEPOT
Facility Address	: W. SMITH FARM ROAD
Facility City/Zip	: ROMULUS, NY 14541
Facility County	: SENECA CO
VISTA #	: 3860870

FINDS Record Details

EPA ID Number:NY8971520830

Agency Id Information

Program Name: TOXICS-CUS

VISTA INFORMATION SOLUTIONS, INC.

General Records Found Under Site Description

Facility Name	: US COAST GUARD STATION SENECA
Facility Address	: US ARMY DEPOT
Facility City/Zip	: ROMULUS, NY 14541
Facility County	: NOT REPORTED
VISTA #	: 3699526

RCRA Record Details

EPA ID Number:NY6690331404

Generator Details

Waste Quantity Class: Generates at least 1000 kg./month of non-acutely hazardous waste (or 1 kg./month of acutely hazardous waste).

FINDS Record Details

EPA ID Number:NY6690331404

Agency Id Information

Program Name: Haz Waste
Agency Id: NY6690331404

Program Name: Fed Activities
Agency Id: NY-690331404

VISTA INFORMATION SOLUTIONS, INC.

Compliance Records Found Under Site Description

Facility Name	: SENECA ARMY DEPOT
Facility Address	: RTE 96
Facility City/Zip	: ROMULUS, NY 14541
Facility County	: NOT REPORTED
VISTA #	: 1340589

EPA ID: NY0213820830

RCRA COMPLIANCE INFORMATION

RCRA compliance evaluations are conducted by the US EPA or the state agency responsible for the RCRA program. The following is a summary of the facility's current compliance status and a listing of all RCRA evaluations. The current compliance status indicates any outstanding (not yet corrected) non-compliances issues found during one of the listed evaluations or after appropriate testing is completed by the agency.

RCRA Compliance Status: Handler has the following outstanding non-compliance issues

- TSD-CLOSURE/POST CLOSURE REQUIREMENTS

RCRA Compliance History:

Evaluations with at least one Class One Violation: 0

Evaluations

None

Violations

None

EPA Enforcements

None

State Enforcements

None

EPA Oversight Enforcements

None

CORRECTIVE ACTIONS INFORMATION

In the Hazardous and Solid Waste Amendments of 1984, Congress proposed stringent corrective action requirements on TSD facilities. Corrective actions are required for all current or past releases of hazardous waste and constituents regardless of when the waste was treated or disposed of. If necessary, corrective actions may extend beyond a facility's boundary. Corrective Action requirements are usually included in the operating permit or modifications. Other instruments may be used for non-operating facilities.

EPA ID:
Prioritization Status: HIGH as of 12/08/92

Instruments:

STATE OTHER

- Details
  Effective Date: 11/19/80
  Issuance Date: N/A
  Revocation Date: N/A
  Resp. Program: RCRA
  Legal Authority: RCRA 3004(U) OR EQUIVALENT

- Related Area: SITE-WIDE
- Required Event:
  Event Type: STABILIZATION MEASURES EVALUATION
  Agency: STATE
  Actual Date: 09/30/93
  Resp. Program: RCRA

Events Not Related To Specific Instruments:

- Event Type: RCRA FACILITY ASSESSMENT COMPLETED
  Agency: EPA
  Actual Date: 09/22/88
  Resp. Program: RCRA
- Event Type: DETERMINATION OF NEED FOR AN RCRA FACILITY INVESTIGATION : RCRA FACILITY INVESTIGATION IS NECESSARY
  Agency: EPA
  Actual Date: 07/23/88
  Resp. Program: N/A
- Event Type: CA PRIORITIZATION : FACILITY WAS ASSIGNED A HIGH CORRECTIVE ACTION PRIORITY
  Agency: EPA
  Actual Date: 12/08/92
  Resp. Program: N/A
- Event Type: RCRA FACILITY INVESTIGATION IMPOSITION
  Agency: EPA
  Actual Date: 07/13/89
  Resp. Program: N/A
- Event Type: STABILIZATION MEASURES IMPLEMENTED
  Agency: EPA
  Actual Date: 05/26/94
  Resp. Program: N/A

VISTA INFORMATION SOLUTIONS, INC.

Compliance Records Found Under Site Description

Facility Name	: USCG - LORAN C STATION SENECA
Facility Address	: SENECA ARMY DEPOT
Facility City/Zip	: ROMULUS, NY 14541
Facility County	: NOT REPORTED
VISTA #	: 3699526

EPA ID: NY6690331404

RCRA COMPLIANCE INFORMATION

RCRA compliance evaluations are conducted by the US EPA or the state agency responsible for the RCRA program. The following is a summary of the facility's current compliance status and a listing of all RCRA evaluations. The current compliance status indicates any outstanding (not yet corrected) non-compliances issues found during one of the listed evaluations or after appropriate testing is completed by the agency.

RCRA Compliance Status: Handler has the following outstanding non-compliance issues

- TSD-CLOSURE/POST CLOSURE REQUIREMENTS

RCRA Compliance History:

Evaluations with at least one Class One Violation: 0

Evaluations

None

Violations

None

EPA Enforcements
None

State Enforcements
None

EPA Oversight Enforcements
None

CORRECTIVE ACTIONS INFORMATION

In the Hazardous and Solid Waste Amendments of 1984, Congress proposed stringent corrective action requirements on TSD facilities. Corrective actions are required for all current or past releases of hazardous waste and constituents regardless of when the waste was treated or disposed of. If necessary, corrective actions may extend beyond a facility's boundary. Corrective Action requirements are usually included in the operating permit or modifications. Other instruments may be used for non-operating facilities.

EPA ID: NYD002208437
Prioritization Status: N/A

Instruments:

None

VISTA INFORMATION SOLUTIONS, INC.

General Records Found Under Site Description

Facility Name	: **SENECA ARMY DEPOT**
Facility Address	: **SDSSE-AD**
Facility City/Zip	: **ROMULUS, NY 14541**
Facility County	: **SENECA**
VISTA #	: **1340589**

CERCLIS Record Details

GENERAL INFORMATION

EPA ID:	NY0213820830
EPA Region:	02
Congressional District:	31
Federal Facility:	FEDERAL FACILITY
Federal Facility Docket:	SITE IS INCLUDED ON THE DOCKET
Facility Ownership:	FEDERALLY OWNED
Site Incident Category:	FEDERAL FACILITY
Incident Type:	NOT REPORTED
Site Description:	SEAD CONDUCTS DEPOT LEVEL MAINTENNC, DEMILITARZN, & SURVEILLANCE ON CONVENTL AMMUNITION & SPCL WEAPONS WHCH REQUIRE SEADTO RECEIVE, INSPCT, TST, CLASSFY, RE-HABLT AS REQUIRD, STORE,PRESRV, & ISSUE IND PLT EQUIPMNT; PROV LOGSTC SUPP & TRN ASS
NPL Status:	CURRENTLY ON FINAL NPL
Proposed NPL Update:	09
Final NPL Update:	00
Financial Mgmt Sys ID:	021H
Latitude:	42450000
Longitude:	076511602
Lat/Long Source:	GENERATED BY THE EPIC DATABASE
Lat/Long Accuracy:	NOT REPORTED
Dioxin Tier:	NOT REPORTED
USGS Hydro Unit:	04140201
RCRA Indicator:	YES (RCRA FACILITY)

ALIAS INFORMATION

Alias ID:	01
Alias EPA ID:	NY0213820830
Alias Name:	01
Alias Street:	RTE 96A
Alias City, State Zip:	SENECA , NY 14541
Alias Latitude:	4243506
Alias Longitude:	07650253
Alias Description:	NOT REPORTED

ENFORCEMENT INFORMATION

Event:	INTERAGENCY NEGOTIATIONS
Lead Agency:	FEDERAL ENFORCEMENT
Actual Start Date:	NOT REPORTED
Actual Completion Date:	09/28/90

Event:	FEDERAL INTERAGENCY AGMT
Lead Agency:	FEDERAL ENFORCEMENT
Actual Start Date:	NOT REPORTED
Actual Completion Date:	09/28/90

Site Assessment History

OPERABLE UNIT

Unit ID: 00
Unit Name: SITE EVALUATION/DISPOSITION

The following is a list of events related to this Operable Unit:

Event

Type: DISCOVERY
Category: NOT REPORTED
Plan Status: NOT REPORTED
Lead Agency: EPA FUND-FINANCED
Actual Start Date: NOT REPORTED
Actual Completion Date: 11/01/73
Qualifier: NOT REPORTED

Event

Type: PRELIMINARY ASSESSMENT
Category: NOT REPORTED
Plan Status: NOT REPORTED
Lead Agency: FEDERAL FACILITIES
Actual Start Date: 05/20/88
Actual Completion Date: 06/20/88
Qualifier: LOWER PRIORITY

Event

Type: SCREENING SITE INSPECTION
Category: NOT REPORTED
Plan Status: NOT REPORTED
Lead Agency: FEDERAL FACILITIES
Actual Start Date: 05/20/88
Actual Completion Date: 06/20/88
Qualifier: HIGHER PRIORITY

Event

Type: PROPOSED FOR NPL
Category: NOT REPORTED
Plan Status: NOT REPORTED

Event Continued

Lead Agency:	EPA FUND-FINANCED
Actual Start Date:	NOT REPORTED
Actual Completion Date:	07/14/89
Qualifier:	NOT REPORTED

Event

Type:	FINAL LISTING ON NPL
Category:	NOT REPORTED
Plan Status:	NOT REPORTED
Lead Agency:	EPA FUND-FINANCED
Actual Start Date:	NOT REPORTED
Actual Completion Date:	08/30/90
Qualifier:	NOT REPORTED

Event

Type:	FINAL LISTING ON NPL
Category:	NOT REPORTED
Plan Status:	NOT REPORTED
Lead Agency:	EPA FUND-FINANCED
Actual Start Date:	NOT REPORTED
Actual Completion Date:	08/30/90
Qualifier:	NOT REPORTED

OPERABLE UNIT

Unit ID:	01
Unit Name:	ASH LANDFILL

The following is a list of events related to this Operable Unit:

Event

Type:	REMEDIAL ACTION
Category:	NOT REPORTED
Plan Status:	ALTERNATE
Lead Agency:	FEDERAL FACILITIES
Actual Start Date:	NOT REPORTED
Actual Completion Date:	NOT REPORTED
Qualifier:	NOT REPORTED

Event

Type:	REMEDIAL DESIGN
Category:	NOT REPORTED
Plan Status:	PRIMARY
Lead Agency:	FEDERAL FACILITIES
Actual Start Date:	NOT REPORTED
Actual Completion Date:	NOT REPORTED
Qualifier:	NOT REPORTED

Event

Type:	RECORD OF DECISION
Category:	NOT REPORTED
Plan Status:	PRIMARY
Lead Agency:	FEDERAL FACILITIES
Actual Start Date:	NOT REPORTED
Actual Completion Date:	NOT REPORTED
Qualifier:	NOT REPORTED

Event

Type:	COMBINED RI/FS
Category:	NOT REPORTED
Plan Status:	PRIMARY
Lead Agency:	FEDERAL FACILITIES
Actual Start Date:	03/19/90
Actual Completion Date:	NOT REPORTED
Qualifier:	NOT REPORTED

Financial Type:	TES/ESS TASKING
Financial Date:	08/89
Financial Amount:	$25,000

Financial Type:	TES/ESS TASKING
Financial Date:	11/89
Financial Amount:	$4,187

Financial Type:	TES/ESS TASKING
Financial Date:	04/90
Financial Amount:	$15,000

Event Continued

Financial Type:	TES/ESS TASKING
Financial Date:	12/90
Financial Amount:	$20,000

Financial Type:	TES/ESS TASKING
Financial Date:	06/91
Financial Amount:	$120,000

Financial Type:	TES/ESS TASKING
Financial Date:	08/92
Financial Amount:	$147,851

Financial Type:	TES/ESS TASKING
Financial Date:	11/93
Financial Amount:	$22,403

Event

Type:	REMOVAL ACTION
Category:	NOT REPORTED
Plan Status:	PRIMARY
Lead Agency:	FEDERAL FACILITIES
Actual Start Date:	09/09/94
Actual Completion Date:	NOT REPORTED
Qualifier:	NOT REPORTED

OPERABLE UNIT

Unit ID:	02
Unit Name:	OB/OD GROUNDS

The following is a list of events related to this Operable Unit:

Event

Type:	REMEDIAL ACTION
Category:	NOT REPORTED
Plan Status:	ALTERNATE
Lead Agency:	FEDERAL FACILITIES
Actual Start Date:	NOT REPORTED
Actual Completion Date:	NOT REPORTED
Qualifier:	NOT REPORTED

Event

Type:	REMEDIAL DESIGN
Category:	NOT REPORTED
Plan Status:	PRIMARY
Lead Agency:	FEDERAL FACILITIES
Actual Start Date:	NOT REPORTED
Actual Completion Date:	NOT REPORTED
Qualifier:	NOT REPORTED

Event

Type:	RECORD OF DECISION
Category:	NOT REPORTED
Plan Status:	PRIMARY
Lead Agency:	FEDERAL FACILITIES
Actual Start Date:	NOT REPORTED
Actual Completion Date:	NOT REPORTED
Qualifier:	NOT REPORTED

Event

Type:	COMBINED RI/FS
Category:	NOT REPORTED
Plan Status:	PRIMARY
Lead Agency:	FEDERAL FACILITIES
Actual Start Date:	04/29/91
Actual Completion Date:	NOT REPORTED
Qualifier:	NOT REPORTED

OPERABLE UNIT

Unit ID:	03
Unit Name:	NOT REPORTED

The following is a list of events related to this Operable Unit:

Event

Type:	COMBINED RI/FS
Category:	NOT REPORTED
Plan Status:	PRIMARY
Lead Agency:	FEDERAL FACILITIES
Actual Start Date:	NOT REPORTED
Actual Completion Date:	NOT REPORTED

Event Continued

Qualifier: NOT REPORTED

Financial Type: TES/ESS TASKING
Financial Date: 02/94
Financial Amount: $35,000

Financial Type: ACTUAL OBLIGATION
Financial Date: 09/94
Financial Amount: $120,000

Event

Type: REMEDIAL ACTION
Category: NOT REPORTED
Plan Status: ALTERNATE
Lead Agency: FEDERAL FACILITIES
Actual Start Date: NOT REPORTED
Actual Completion Date: NOT REPORTED
Qualifier: NOT REPORTED

Event

Type: REMEDIAL DESIGN
Category: NOT REPORTED
Plan Status: NOT REPORTED
Lead Agency: FEDERAL FACILITIES
Actual Start Date: NOT REPORTED
Actual Completion Date: NOT REPORTED
Qualifier: NOT REPORTED

Event

Type: RECORD OF DECISION
Category: NOT REPORTED
Plan Status: ALTERNATE
Lead Agency: EPA FUND-FINANCED
Actual Start Date: NOT REPORTED
Actual Completion Date: NOT REPORTED
Qualifier: NOT REPORTED

OPERABLE UNIT

Unit ID: 04
Unit Name: NOT REPORTED

The following is a list of events related to this Operable Unit:

Event

Type: COMBINED RI/FS
Category: NOT REPORTED
Plan Status: PRIMARY
Lead Agency: FEDERAL FACILITIES
Actual Start Date: NOT REPORTED
Actual Completion Date: NOT REPORTED
Qualifier: NOT REPORTED

Event

Type: REMEDIAL ACTION
Category: NOT REPORTED
Plan Status: ALTERNATE
Lead Agency: FEDERAL FACILITIES
Actual Start Date: NOT REPORTED
Actual Completion Date: NOT REPORTED
Qualifier: NOT REPORTED

Event

Type: REMEDIAL DESIGN
Category: NOT REPORTED
Plan Status: ALTERNATE
Lead Agency: FEDERAL FACILITIES
Actual Start Date: NOT REPORTED
Actual Completion Date: NOT REPORTED
Qualifier: NOT REPORTED

Event

Type: RECORD OF DECISION
Category: NOT REPORTED
Plan Status: ALTERNATE
Lead Agency: FEDERAL FACILITIES
Actual Start Date: NOT REPORTED
Actual Completion Date: NOT REPORTED

Event Continued

Qualifier: NOT REPORTED

OPERABLE UNIT

Unit ID: 05
Unit Name: NOT REPORTED

The following is a list of events related to this Operable Unit:

Event

Type: COMBINED RI/FS
Category: NOT REPORTED
Plan Status: PRIMARY
Lead Agency: FEDERAL FACILITIES
Actual Start Date: NOT REPORTED
Actual Completion Date: NOT REPORTED
Qualifier: NOT REPORTED

Event

Type: REMEDIAL ACTION
Category: NOT REPORTED
Plan Status: ALTERNATE
Lead Agency: FEDERAL FACILITIES
Actual Start Date: NOT REPORTED
Actual Completion Date: NOT REPORTED
Qualifier: NOT REPORTED

Event

Type: REMEDIAL DESIGN
Category: NOT REPORTED
Plan Status: ALTERNATE
Lead Agency: FEDERAL FACILITIES
Actual Start Date: NOT REPORTED
Actual Completion Date: NOT REPORTED
Qualifier: NOT REPORTED

Event

Type: RECORD OF DECISION
Category: NOT REPORTED
Plan Status: ALTERNATE

Event Continued

Lead Agency:	FEDERAL FACILITIES
Actual Start Date:	NOT REPORTED
Actual Completion Date:	NOT REPORTED
Qualifier:	NOT REPORTED

VISTA INFORMATION SOLUTIONS, INC.

Compliance Records Found Under Site Description

Facility Name	: **GSA-Q AREA**
Facility Address	: **SENECA ARMY DEPOT ROMUL**
Facility City/Zip	: **ROMULUS, NY 14541**
Facility County	: **NOT REPORTED**
VISTA #	: **3860901**

AIRS Site Information

EPA ID:
AIRS ID: 3609900011
State Registration Number:
Significant Violator: NO

Pollutants Emitted:

Pollutant Code	Pollutant Name
PX	DEFAULT POLLUTANT FROM CDS

AIRS Compliance Details

Air Program: STATE IMPLIMENTATION PLAN (SIP) SOURCE

Pollutant Compliance:

Pollutant Code	Compliance Status
PX	IN COMPLIANCE - CERTIFICATION

Enforcement Actions

Action Number	Date	Penalty	Description
No Actions Found			

VISTA INFORMATION SOLUTIONS, INC.

Compliance Records Found Under Site Description

Facility Name	: **SENECA ARMY DEPOT**
Facility Address	: **W. SMITH FARM ROAD ROMUL**
Facility City/Zip	: **ROMULUS, NY 14541**
Facility County	: **NOT REPORTED**
VISTA #	: **3860870**

AIRS Site Information

EPA ID: NY8971520830
AIRS ID: 3609900003
State Registration Number: 4530890046
Significant Violator: NO

Pollutants Emitted:

Pollutant Code	Pollutant Name
CO	CARBON MONOXIDE
NO2	NITROGEN DIOXIDE
PT	TOTAL PARTICULATE MATTER
SO2	SULFUR DIOXIDE
VE	VISIBLE EMISSIONS
VOC	VOLATILE ORGANIC COMPOUNDS

AIRS Compliance Details

Air Program: STATE IMPLIMENTATION PLAN (SIP) SOURCE

Pollutant Compliance:

Pollutant Code	Compliance Status
CO	IN COMPLIANCE - INSPECTION
NO2	IN COMPLIANCE - INSPECTION

Pollutant Compliance: Continued

Pollutant Code	Compliance Status
PT	IN COMPLIANCE - INSPECTION
SO2	IN COMPLIANCE - INSPECTION
VE	IN COMPLIANCE - INSPECTION
VOC	IN COMPLIANCE - INSPECTION

Enforcement Actions

Action Number	Date	Penalty	Description
No Actions Found			

VISTA INFORMATION SOLUTIONS, INC.

Compliance Records Found Under Site Description

Facility Name	: SENECA ARMY DEPOT-BLDG 4 & 715
Facility Address	: SENECA ARMY DEPOT
Facility City/Zip	: ROMULUS, NY 14541
Facility County	: NOT REPORTED
VISTA #	: 5050621

NPDES Record Details

NPDES Permit Info

Agency Id:	NY0021296
Facility Type:	Federal
Facility Class:	Minor
Issue Date:	04/11/89
Expiration Date:	05/01/94

VISTA INFORMATION SOLUTIONS, INC.

Spill Records Found Under Site Description

Facility Name	: SENECA ARMY DEPOT
Facility Address	: N/A
Facility City/Zip	: , NY
Facility County	: SENECA
VISTA #	: 200147456

ERNS Spill Record Details

ERNS Spill Details

Spill Date	:	10/05/1987	Vista ID#:	200147456
Spill Time	:	3:00 AM	Case Number:	
Spill Location	:			
Spill City	:			
Spill State	:	NY		
Spill Zip	:			
Spill County	:	SENECA		
Source/Agency	:			
Discharger Name	:			
Discharger Org	:	SENECA ARMY DEPOT		
Discharger Addr	:	ROUTE 96		
Discharger Phone	:	607-869-1450		
Discharger County	:			
Discharger City	:	ROMULUS		
Discharger St/Zip	:	NY, 14541		
Material Spilled	:	NUMBER 6 FUEL OIL , 3000.00, GAL		
Medium Affected	:	Water		
Water Way Affected	:	REEDER CREEK		

APPENDIX 1

Explanation of VISTA's Database Search for this Report:

Environmental reporting from the EPA and other government agencies is often inconsistent. The same facility or property may be listed many different ways. A facility may have more than one name(e.g., 'Smith's Garage' and 'Exxon Service Station #12') or an inconsistent presentation of the same name. A street may also be known by more than one name (e.g., 'Main Street' is also known as 'Route 9'). An area may have more than one city name. City names also are frequently abbreviated.

To provide you with the most complete search of government records possible, VISTA does extensive computerized matching of records to combine agency data from different sources. VISTA also performs address verification to the Post Office's Zip+4 database to assure the accuracy of the city and zip code information.

The additional search criteria indicated on Page 1 were used to further enhance the search for government records. This report comprises all VISTA records which fit any of the following conditions relative to the subject property:

Search Criteria

- matching street number,street name, city but no zip code:
- matching street number,street name, zip code:
- within 10 street numbers with matching facility name:
- no street number, but matching street name, city or zip and facility name:
- intersection of matching street name, matching city or zip and facility name:
- no street number or street name with matching city or zip and facility name:
- P.O. Box with matching city or zip and facility name:
- matching EPA Identification Number:

Limitations of Information:

All data contained in this report was obtained from the federal and state government environmental databases. VISTA does not warrant the accuracy, timeliness, merchantability, completeness or usefulness of any information furnished, and the subscriber accepts any and all risks resulting from decisions made based solely or in part on VISTA information.

FACILITY RISK PROFILE

FEDERAL AGENCY RECORDS SEARCHED

Agency	Database	Type of Record	Database Currency
US EPA	NPL	Federal Superfund Sites	05/95
US EPA	CERCLIS	Sites Under Review by US EPA	09/95
US EPA	NFRAP	NFRAP Sites Under Review by US EPA	09/95
US EPA	TRIS	Facilities Releasing Toxic Chemicals	05/95
US EPA	CICIS	Chemical Producers (as of 1981)	05/86
US EPA	FATES	Manufacturers or Processors of Pesticides	10/93
US EPA	PCS	Site with NPDES Water Dischg. Permit	04/94
US EPA	AIRS	Produces Regulated Air Emissions	09/93
US EPA	RCRIS	Hazardous Waste Handlers	06/95
US EPA	CORRACTS	RCRA Corrective Action Site	06/95
US EPA	RAATS	RCRA Administrative Action Site	04/95
US EPA	PADS	PCB Handler	10/93
US EPA	FRDS	Operators of a Pub. Drinking Water Sys.	06/95
US EPA	FINDS	Site on EPA's Facility Index System	11/94
US EPA	ERNS	Spill Sites	03/95
US DoL	OSHA	Facilities with OSHA Inspections	11/94
US EPA	FTTS	FIFRA/TSCA/EPCRA Compliance Sites	06/95
US EPA	SETS	Superfund Potentially Responsible Parties	01/95
US EPA	DOCKETS	Sites listed in Civil Enforcement System	06/95

NEW YORK STATE AGENCY RECORDS SEARCHED

Agency	Type of Record	Database Currency
Department of Environmental Conservation, Bureau of Hazardous Site Control	Inactive Hazardous Waste Disposal Sites	07/95
Department of Environmental Conservation	LUST (Tank Test Failures) Database	06/95
Department of Environmental Conservation, Bureau of Municipal Waste	Recycler's Listing	04/93
Department of Environmental Conservation, Bureau of Waste Management	Incinerators-Resource Recovery Projects	01/94

NEW YORK State Agency Databases Searched (continued)

Agency	Type of Record	Database Currency
Department of Environmental Conservation, Division of Solid Waste	Inactive Solid Waste Sites	09/95
Department of Environmental Conservation, Division of Municipal Waste	Active Solid Waste Disposal Sites	09/95
Department of Environmental Conservation, Petroleum Bulk Storage Program	Aboveground Storage Tanks	06/95
Cortland County Health Department, Division of Environmental Health	Cortland County Petroleum Bulk Storage-Aboveground Tanks	04/95
Nassau County Department of Health	Nassau County Article XI In Service Tanks Database	04/95
Rockland County Department of Health	Rockland County Petroleum Bulk Storage-Aboveground Tanks	10/95
Suffolk County Department of Health Services	Suffolk County Petroleum Bulk Storage-Aboveground Tanks	02/95
Department of Environmental Conservation, Petroleum Bulk Storage Program	Underground Storage Tank Database	06/95
Cortland County Health Department, Division of Environmental Health	Cortland County Petroleum Bulk Storage Database	04/95
Nassau County Department of Health	Nassau County Article XI In Service Tanks Database	04/95
Rockland County Department of Health	Rockland County Petroleum Bulk Storage Database	10/95
Suffolk County Department of Health Services	Suffolk County Petroleum Bulk Storage Database	02/95
Department of Environmental Conservation	Spills Database	06/95

SD2100

VISTA
NATIONAL RADIUS PROFILE

VISTA Report #: 7/091064-002 Date of Report: 12/05/95

Ref/Loan #: *
Client: MR. VAN SANDS, WOODWARD-CLYDE FEDERAL SVCS-DE
4582 S ULSTER ST, DENVER, CO 80257
Subject Property:
PONTIUS POINT, NY 14541

SUMMARY OF FEDERAL RECORDS FOUND

Database & Date	Agency and Type of Records	0 to 1/4 mi	1/4 to 1/2 mi	1/2 to 1 mi	TOTAL
NPL 09/95	US EPA Superfund Sites	1	0	0	1
CERCLIS 09/95	US EPA Potential Superfund Sites	1	0	0	1
RCRA-LgGen 06/95	US EPA RCRA Large Quantity Generators	2	0	1	3
RCRA-SmGen 06/95	US EPA RCRA Small and Very Small Quantity Generators	0	0	0	0
RCRA-TSD 06/95	US EPA RCRA Treatment,Storage,and/or Disposal Sites	1	0	0	1
RCRA-Transp 06/95	US EPA RCRA Transporters	0	0	0	0
ERNS 03/95	US EPA	0	0	0	0
	FEDERAL RECORDS Sub-total:	5	0	1	6

Note: 1) A dash (--) indicates the list is not searched at that distance.
2) Sites often have a record in more than one database.

 For more information call: (619) 450-6100

VISTA
NATIONAL RADIUS PROFILE

VISTA Report #: 7/091064-002 Date of Report: 12/05/95

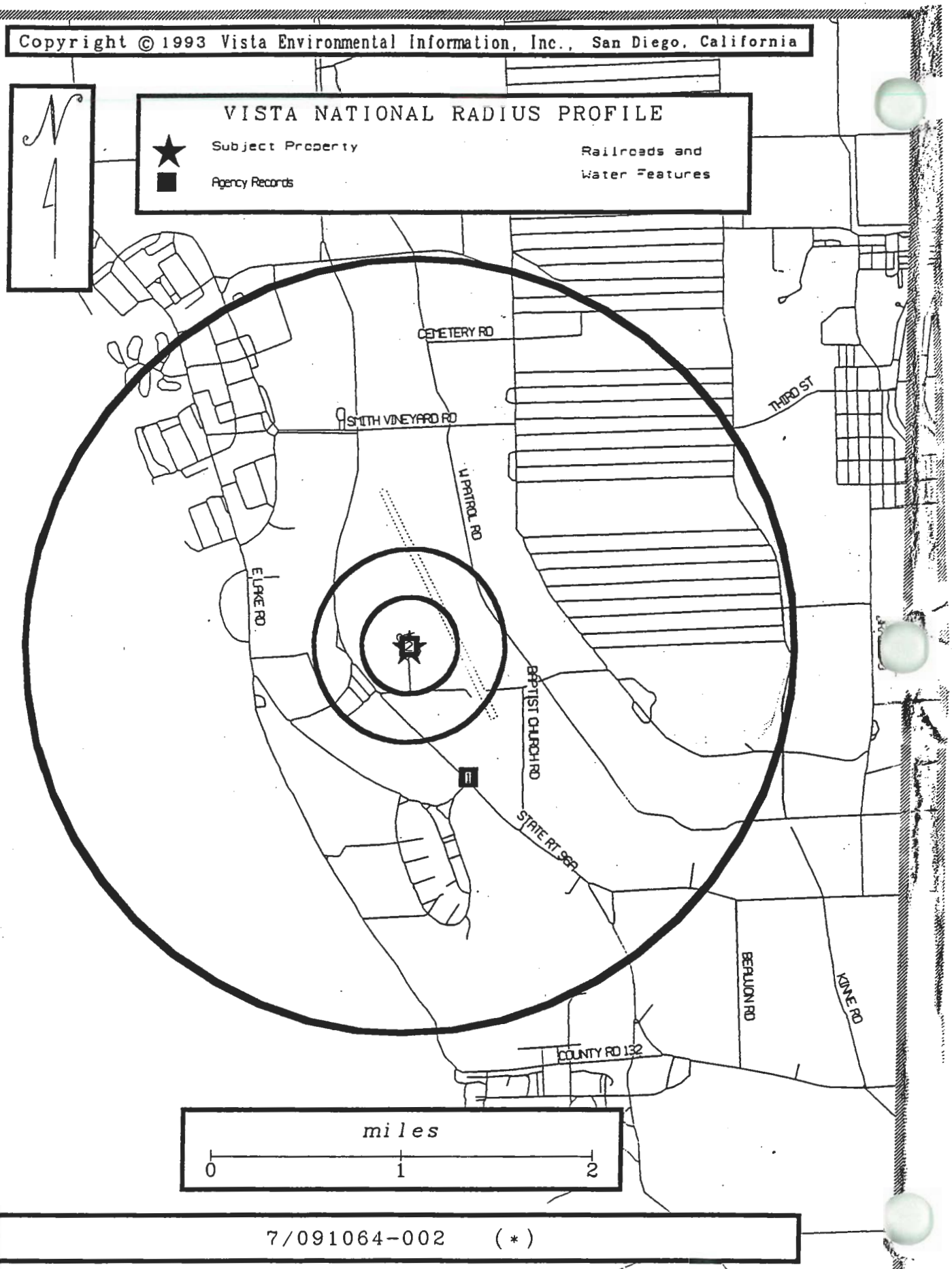
Ref/Loan #: *
Client: MR. VAN SANDS, WOODWARD-CLYDE FEDERAL SVCS-DE
4582 S ULSTER ST, DENVER, CO 80257
Subject Property:
PONTIUS POINT, NY 14541

SUMMARY OF STATE RECORDS FOUND

Database & Date	Agency and Type of Records	0 to 1/4 mi	1/4 to 1/2 mi	1/2 to 1 mi	TOTAL
SPL	Department of Environmental Conservation, Bureau of Hazardous Site Control	1	0	1	2
07/95	Inactive Hazardous Waste Disposal Sites				
LUST	Department of Environmental Conservation	9	0	1	10
06/95	LUST (Tank Test Failures) Database				
SWLF	Department of Environmental Conservation, Bureau of Waste Management	0	0	0	0
/1/94	Incinerators-Resource Recovery Projects				
SWLF	Department of Environmental Conservation, Bureau of Municipal Waste	0	0	0	0
04/93	Recycler's Listing				
SWLF	Department of Environmental Conservation, Division of Solid Waste	0	0	0	0
09/95	Active and Inactive Landfills List				
UST's	Dept. of Env. Conservation, Petroleum Bulk Storage	0	0	0	0
02/95	Suffolk County Petroleum Bulk Storage				
UST's	Dept. of Env. Conservation, Petroleum Bulk Storage	0	0	0	0
04/95	Cortland County Underground Storage Tank Database				
UST's	Dept. of Env. Conservation, Petroleum Bulk Storage	0	0	0	0
04/95	Nassau County Article XI In Service Tanks Database				
UST's	Dept. of Env. Conservation, Petroleum Bulk Storage	1	0	1	2
06/95	Underground Storage Tank Database				
UST's	Rockland County Department of Health	0	0	0	0
10/95	Rockland County Petroleum Bulk Storage Database				
	STATE RECORDS Sub-total:	11	0	3	14
	TOTAL:	16	0	4	20

: 1) A dash (--) indicates the list is not searched at that distance.
2) Sites often have a record in more than one database.

 For more information call: (619) 450-6100



7/091064-002 (*)

VISTA NATIONAL RADIUS PROFILE

12/05/95

VISTA Report #: 7/091064-002

NPL

MAP REF #	EPA ID / AGENCY ID	SITE NAME AND ADDRESS		
WITHIN 1/4 MILE				
2		SENECA ARMY DEPOT SDSSE-AD	ROMULUS 14541	Distance: 0.00 mi. Direction: -- Vista ID: 374101

For more information call: (619) 450-6100

CERCLIS

MAP REF #	EPA ID / AGENCY ID	SITE NAME AND ADDRESS

WITHIN 1/4 MILE

2 SENECA ARMY DEPOT ROMULUS Distance: 0.00 mi.
SDSSE-AD 14541 Direction: --
Vista ID: 1340589

NY0213820830

Status	: CURRENTLY ON FINAL NPL
Site Ownership	: FEDERALLY OWNED
Site Events	:
Event Type	: RECORD OF DECISION
Event Type	: REMEDIAL DESIGN
Event Type	: REMEDIAL ACTION
Event Type	: COMBINED RI/FS
Event Type	: RECORD OF DECISION
Event Type	: REMEDIAL DESIGN
Event Type	: REMEDIAL ACTION
Event Type	: COMBINED RI/FS
Event Type	: RECORD OF DECISION
Lead Agency	: EPA FUND FINANCED
Event Type	: REMEDIAL DESIGN
Event Type	: REMEDIAL ACTION
Event Type	: COMBINED RI/FS
Event Type	: RECORD OF DECISION
Event Type	: REMEDIAL DESIGN
Event Type	: REMEDIAL ACTION
Event Type	: COMBINED RI/FS
Event Type	: REMOVAL ACTION
Event Type	: RECORD OF DECISION
Event Type	: REMEDIAL DESIGN
Event Type	: REMEDIAL ACTION
Event Type	: COMBINED RI/FS
Event Type	: SCREENING SITE INSPECTION
Event Type	: PRELIMINARY ASSESSMENT
Event Type	: PROPOSED FOR NPL
Lead Agency	: EPA FUND FINANCED
Event Type	: FINAL LISTING ON NPL
Lead Agency	: EPA FUND FINANCED
Event Type	: FINAL LISTING ON NPL
Lead Agency	: EPA FUND FINANCED
Event Type	: DISCOVERY
Lead Agency	: EPA FUND FINANCED
Description	:SEAD CONDUCTS DEPOT LEVEL MAINTENNC, DEMILITARZN, & SURVEILLANCE ON CONVENTL AMMUNITION & SPCL WEAPONS WHCH REQUIRE SEADTO RECEIVE, INSPCT, TST, CLASSFY, REH REQUIRD, STORE,PRESRV, & ISSUE IND PLT EQUIPMNT; PROV LOGSTC SUPP & TRN ASS

 For more information call: (619) 450-6100

CERCLIS

MAP REF #	EPA ID / AGENCY ID	SITE NAME AND ADDRESS

WITHIN 1/4 MILE

2		SENECA ARMY DEPOT	ROMULUS	Distance: 0.00 mi.
		SDSSE-AD	14541	Direction: --
				Vista ID: 1340589

REQUIRD, STORE,PRESRV, & ISSUE IND PLT EQUIPMNT; PROV LOGSTC SUPP & TRN ASS

 For more information call: (619) 450-6100

RCRA-LgGen

MAP REF #	EPA ID / AGENCY ID	SITE NAME AND ADDRESS

WITHIN 1/4 MILE

2 SENECA ARMY DEPOT — ROMULUS — Distance: 0.00 mi.
RTE 96 — 14541 — Direction: --
Vista ID: 1340589

NY0213820830 Generator Class :Generators who generate at least 1000 kg./month of non-acutely hazardous waste (or 1 kg./month of acutely hazardous waste).

---

2 USCG - LORAN C STATION SENECA — ROMULUS — Distance: 0.00 mi.
SENECA ARMY DEPOT — 14541 — Direction: --
Vista ID: 3699526

NY6690331404 Generator Class :Generators who generate at least 1000 kg./month of non-acutely hazardous waste (or 1 kg./month of acutely hazardous waste).

WITHIN 1/2 TO 2 MILES

1 NYS PARKS & REC - SAMPSON ST PK — ROMULUS — Distance: .75 mi.
6096 RTE 96A — 14541 — Direction: SE
Vista ID: 366339

NYD982541237 Generator Class :Generators who generate at least 1000 kg./month of non-acutely hazardous waste (or 1 kg./month of acutely hazardous waste).

RCRA-TSD

MAP REF #	EPA ID / AGENCY ID	SITE NAME AND ADDRESS

WITHIN 1/4 MILE

2 SENECA ARMY DEPOT — ROMULUS — Distance: 0.00 mi.
RTE 96 — 14541 — Direction: --
Vista ID: 1340589

NY0213820830 Process Codes :Other Treatment Incinerator Container Storage

 For more information call: (619) 450-6100

SPL

MAP REF # | EPA ID / AGENCY ID | SITE NAME AND ADDRESS

WITHIN 1/4 MILE

2 — SENECA ARMY DEPOT, RTE 96, ROMULUS 14541 — Distance: 0.00 mi. Direction: -- Vista ID: 1340589

850006
Owner Name : U.S. ARMY
Owner Address : ROUTE 96A
ROMULUS , NY
Facility Type : OPEN DUMP
NPL Status :
State Status : REMEDIAL ACTION PENDING
Waste # 0 : AMMUNITION WASTE
Waste # 1 : CHLORINATED SOLVENTS
Waste # 2 :
STATE Detailed Site Description Available
Call 1-800-877-3824 for Details.

WITHIN 1/2 TO 2 MILES

1 — SAMPSON STATE PARK, ROUTE 96A, ROMULUS 14541' — Distance: .75 mi. Direction: SE Vista ID: 3507351

850005
Owner Name : SAMPSON STATE PARK
Owner Address : 6096 ROUTE 96A
ROMULUS , NY
Facility Type : OPEN DUMP
NPL Status :
State Status : TEMPORARILY NO STATUS
Waste # 0 : UNKNOWN
Waste # 1 :
Waste # 2 :
STATE Detailed Site Description Available
Call 1-800-877-3824 for Details.

 For more information call: (619) 450-6100

LUST

MAP REF #	EPA ID / AGENCY ID	SITE NAME AND ADDRESS

WITHIN 1/4 MILE

2 SENECA ARMY DEPOT — ROMULUS — Distance: 0.00 mi.
RTE 96 — 14541 — Direction: --
Vista ID: 1340589

9402630

Owner Name : SENECA ARMY DEPOT
Owner Address :

Discovery Date : 02/12/90
Substance : GASOLINE (UNSPECIFIED)
Media Affected : GROUNDWATER
Leak Cause : TANK FAILURE
Leak Source : NON-COMMERCIAL INDUSTRY
Remediation : CASE CLOSED/CLEANUP COMPLETE
Owner Name : SENECA ARMY DEPOT
Owner Address : ROUTE 96
ROMULUS NY

Discovery Date : 09/22/88
Substance : JET FUEL
Media Affected : GROUNDWATER
Leak Cause : TANK FAILURE
Leak Source : NON-COMMERCIAL INDUSTRY
Remediation : CASE CLOSED/CLEANUP COMPLETE
Owner Name : SENECA ARMY DEPOT
Owner Address : ROUTE 96A
ROMULUS NY

Discovery Date : 12/08/87
Substance : GASOLINE (UNSPECIFIED)
Media Affected : GROUNDWATER
Leak Cause : TANK FAILURE
Leak Source : NON-COMMERCIAL INDUSTRY
Remediation : CASE CLOSED/CLEANUP COMPLETE
Owner Name : SENECA ARMY DEPOT
Owner Address : SAME

Discovery Date : 11/16/87
Substance : FUEL OIL #2
Media Affected : GROUNDWATER
Leak Cause : TANK FAILURE
Leak Source : NON-COMMERCIAL INDUSTRY
Remediation : CASE CLOSED/CLEANUP COMPLETE
Owner Name : U S ARMY
Owner Address : SAME

 For more information call: (619) 450-6100

LUST

MAP REF # | EPA ID / AGENCY ID | SITE NAME AND ADDRESS

WITHIN 1/4 MILE

2 SENECA ARMY DEPOT — ROMULUS — Distance: 0.00 mi.
RTE 96 — 14541 — Direction: --
Vista ID: 1340589

Discovery Date	: 09/22/92
Substance	: FUEL OIL #2
Media Affected	: SOIL/LAND/SAND
Leak Cause	: TANK FAILURE
Leak Source	: NON-COMMERCIAL INDUSTRY
Remediation	: CASE CLOSED/CLEANUP COMPLETE
Owner Name	: SENECA ARMY DEPOT
Owner Address	: ROUTE 96 SDSTO-53EI-PE ROMULUS, NY 14541
Discovery Date	: 09/13/91
Substance	: FUEL OIL #2
Media Affected	: GROUNDWATER
Leak Cause	: TANK FAILURE
Leak Source	: NON-COMMERCIAL INDUSTRY
Remediation	: CASE CLOSED/CLEANUP COMPLETE
Discovery Date	: 09/10/91
Substance	: GASOLINE (UNSPECIFIED)
Media Affected	: GROUNDWATER
Leak Cause	: TANK FAILURE
Leak Source	: NON-COMMERCIAL INDUSTRY
Remediation	: CASE CLOSED/CLEANUP COMPLETE
Discovery Date	: 12/08/94
Substance	: FUEL OIL #2
Media Affected	: SOIL/LAND/SAND
Leak Cause	: TANK FAILURE
Leak Source	: NON-COMMERCIAL INDUSTRY
Remediation	: CASE CLOSED/CLEANUP COMPLETE

---

2 SENECA ARMY DEPOT BLD 357 — ROMULUS — Distance: 0.00 mi.
SENECA ARMY DEPOT BLG 357 — 14541 — Direction: --
Vista ID: 1356147

9004170

Owner Name	: SENECA ARMY DEPOT
Owner Address	: RT 96
Discovery Date	: 12/19/87
Substance	: GASOLINE (UNSPECIFIED)

 For more information call: (619) 450-6100

LUST

MAP REF # | EPA ID / AGENCY ID | SITE NAME AND ADDRESS

WITHIN 1/4 MILE

2 SENECA ARMY DEPOT BLD 357 ROMULUS Distance: 0.00 mi.
SENECA ARMY DEPOT BLG 357 14541 Direction: --
Vista ID: 1356147

Media Affected : GROUNDWATER
Leak Cause : TANK FAILURE
Leak Source : NON-COMMERCIAL INDUSTRY
Remediation : CASE CLOSED/CLEANUP COMPLETE
Discovery Date : 03/27/92
Substance : FUEL OIL #2
Quantity : 75.00 GALLONS
Media Affected : GROUNDWATER
Leak Cause : TANK FAILURE
Leak Source : NON-COMMERCIAL INDUSTRY
Remediation : CASE CLOSED/CLEANUP COMPLETE

---

2 SENECA ARMY DEPOT ROMULUS Distance: 0.00 mi.
ROUTE 96 SENECA ARMY DEP 14541 Direction: --
Vista ID: 1521704

9400104
Owner Name : SENECA ARMY DEPOT
Owner Address :
ROMULUS
Discovery Date : 04/04/94
Substance : FUEL OIL #2
Quantity : 100.00 GALLONS
Media Affected : SURFACE WATER
Leak Cause : TANK FAILURE
Leak Source : NON-COMMERCIAL INDUSTRY
Remediation : CASE CLOSED/CLEANUP COMPLETE
Owner Name : IT CORPORATION
Owner Address : 140 ALLENS CREEK RAD
ROCHESTER, NY
Discovery Date : 09/15/93
Substance : FUEL OIL #2
Quantity : 20.00 GALLONS
Media Affected : SOIL/LAND/SAND
Leak Cause : TANK FAILURE
Leak Source : NON-COMMERCIAL INDUSTRY
Remediation : CASE OPEN
Discovery Date : 11/19/92
Substance : FUEL OIL #2

 For more information call: (619) 450-6100

LUST

WITHIN 1/4 MILE

MAP REF #	EPA ID / AGENCY ID	SITE NAME AND ADDRESS		
2		SENECA ARMY DEPOT ROUTE 96A AIRFD BLDG 2305	ROMULUS 14541	Distance: 0.00 mi. Direction: -- Vista ID: 1521704

Quantity : 1700.00 GALLONS
Media Affected : GROUNDWATER
Leak Cause : TANK FAILURE
Leak Source : NON-COMMERCIAL INDUSTRY
Remediation : CASE CLOSED/CLEANUP COMPLETE

2		SENECA ARMY DEPOT SENECA ARMY DEPOT	ROMULUS 14541	Distance: 0.00 mi. Direction: -- Vista ID: 2736222
	8904332	Owner Name : SENECA ARMY DEPOT Owner Address :		

Discovery Date : 06/11/92
Substance : FUEL OIL #2
Media Affected : GROUNDWATER
Leak Cause : TANK FAILURE
Leak Source : NON-COMMERCIAL INDUSTRY
Remediation : CASE OPEN

2		SENECA ARMY DEPOT 2452 QUARTERS AREA	ROMULUS 14541	Distance: 0.00 mi. Direction: -- Vista ID: 3539976
	9204266	Owner Name : U S ARMY Owner Address : SAME		

Discovery Date : 07/14/92
Substance : FUEL OIL #2
Media Affected : GROUNDWATER
Leak Cause : TANK FAILURE
Leak Source : NON-COMMERCIAL INDUSTRY
Remediation : CASE CLOSED/CLEANUP COMPLETE

LUST

WITHIN 1/4 MILE

MAP REF #	EPA ID / AGENCY ID	SITE NAME AND ADDRESS			
2		SENECA ARMY DEPOT BLDG 710		ROMULUS 14541	Distance: 0.00 mi. Direction: -- Vista ID: 4112546
	8907242	Owner Name	: SENECA ARMY DEPOT		
		Owner Address	: ROMULUS NY		
		Discovery Date	: 10/20/89		
		Substance	: FUEL OIL #2		
		Media Affected	: SOIL/LAND/SAND		
		Leak Cause	: TANK FAILURE		
		Leak Source	: NON-COMMERCIAL INDUSTRY		
		Remediation	: CASE CLOSED/CLEANUP COMPLETE		
2		SENECA ARMY DEPOT BLDG 806		ROMULUS 14541	Distance: 0.00 mi. Direction: -- Vista ID: 4112547
	8907722	Owner Name	: SENECA ARMY DEPOT		
		Owner Address	: ROMULUS NY		
		Discovery Date	: 11/01/89		
		Substance	: FUEL OIL #2		
		Media Affected	: GROUNDWATER		
		Leak Cause	: TANK FAILURE		
		Leak Source	: NON-COMMERCIAL INDUSTRY		
		Remediation	: CASE CLOSED/CLEANUP COMPLETE		
2		SENECA ARMY DEPOT BUILDING #212		ROMULUS 14541	Distance: 0.00 mi. Direction: -- Vista ID: 4112548
	8910053	Owner Name	: SENECA ARMY DEPOT		
		Owner Address	:		
		Discovery Date	: 01/19/90		
		Substance	: FUEL OIL #2		
		Media Affected	: STREET/GUTTER/SEWER		
		Leak Cause	: TANK FAILURE		
		Leak Source	: NON-COMMERCIAL INDUSTRY		
		Remediation	: CASE CLOSED/CLEANUP COMPLETE		

LUST

MAP REF #	EPA ID / AGENCY ID	SITE NAME AND ADDRESS

WITHIN 1/4 MILE

2 — SENECA ARMY DEPOT BG 2079 / SENECA ARMY BLDG 2079 — ROMULUS 14541 — Distance: 0.00 mi. — Direction: -- — Vista ID: 4719832

9307375

Owner Name : SENECA ARMY DEPOT
Owner Address :
Discovery Date : 09/17/93
Substance : FUEL OIL #6
Media Affected : SOIL/LAND/SAND
Leak Cause : TANK FAILURE
Leak Source : NON-COMMERCIAL INDUSTRY
Remediation : CASE CLOSED/CLEANUP COMPLETE

WITHIN 1/2 TO 2 MILES

1 — NYS PARKS & REC - SAMPSON ST # 6098 RTE 96A — ROMULUS 14541 — Distance: .75 mi. — Direction: SE — Vista ID: 366339

9000052

Owner Name : SAMPSON STATE PARK
Owner Address : RT 414
DRESDEN, NY
Discovery Date : 03/01/90
Substance : GASOLINE (UNSPECIFIED)
Media Affected : GROUNDWATER
Leak Cause : TANK FAILURE
Leak Source : NON-COMMERCIAL INDUSTRY
Remediation : CASE CLOSED/CLEANUP COMPLETE

UST's

MAP REF #	EPA ID / AGENCY ID	SITE NAME AND ADDRESS		
WITHIN 1/4 MILE				
2		US ARMY SENECA ARMY DEPOT ACTIVITY	ROMULUS 14541	Distance: 0.00 mi. Direction: -- Vista ID: 2495496
	8-416118	Number of Underground Tanks: 175 Number of Aboveground Tanks: 91 Contents:FUEL OIL,OTHER,UNLEADED GAS,DIESEL,KEROSENE,EMPTY,		
WITHIN 1/2 TO 2 MILES				
1		NYS OFFICE OF PARKS & RECREATION SAMPSON STATE PARK	ROMULUS 14541	Distance: .75 mi. Direction: SE Vista ID: 4122766
	8-264644	Number of Underground Tanks: 12 Number of Aboveground Tanks: 8 Contents:OTHER,DIESEL,FUEL OIL,UNLEADED GAS,		

UNMAPPABLE SITES

Unmappable sites are environmental risk sites that cannot be geocoded, but can be located by zip code or city name.

In general, a site cannot be geocoded because of inaccurate or missing locational information in the record provided by the agency. For many of these records, VISTA has corrected or added locational information by using U.S. Postal address validation files and proprietary programming that adds locational information from private industry address files. However, many site addresses cannot be corrected using these techniques and those sites cannot be mapped.

Of the sites that cannot be mapped, VISTA identifies those that have complete zip code or city name information. All ungeocoded sites that have a ZIP code in the radius are considered for inclusion. Ungeocoded sites that do not have a ZIP code but do have a street name are considered for inclusion if they have a city in the radius. An ungeocoded record may be excluded if it can be determined to be outside the relevant radius searched for a particular database.

RCRA-LgGen

SITE NAME AND ADDRESS	VISTA ID	EPA ID / AGENCY ID
SERVICE STATION: ROUTE 96A, OVID 14521	3934206	
Generator Class :Generators who generate at least 1000 kg./month of non-acutely hazardous waste (or 1 kg./month of acutely hazardous waste).		NYD000703611

RCRA-SmGen

SITE NAME AND ADDRESS	VISTA ID	EPA ID / AGENCY ID
RONNIE'S BODY SHOP: RT. 96, 1 MILE EAST OF OVID, OVID 14521	360052	
Generator Class :Generators who generate 100 kg./month but less than 1000 kg./month of non-acutely hazardous waste		NYD981557283

 For more information call: (619) 450-6100

LUST

SITE NAME AND ADDRESS	VISTA ID	EPA ID / AGENCY ID
WILLARD PSYCHIATRIC CTR; LAUNDRY BUILDING; ROMULUS 14541	2723940	
Owner Name : WILLARD PSYCHIATRIC		8709283
Owner Address : ROMULUS, NY		
Discovery Date : 01/26/88		
Substance : FUEL OIL #2		
Media Affected : GROUNDWATER		
Leak Cause : TANK FAILURE		
Leak Source : NON-COMMERCIAL INDUSTRY		
Remediation : CASE CLOSED/CLEANUP COMPLETE		
WILLARD PSYCHIATRIC CTR; ROUTE 96A POWER PLANT; ROMULUS 14541	2730737	
Discovery Date : 03/23/95		9200234
Substance : FUEL OIL #2		
Media Affected : SOIL/LAND/SAND		
Leak Cause : TANK FAILURE		
Leak Source : COMMERCIAL INDUSTRY		
Remediation : CASE OPEN		
Discovery Date : 03/20/95		
Substance : GASOLINE (UNSPECIFIED)		
Media Affected : SOIL/LAND/SAND		
Leak Cause : TANK FAILURE		
Leak Source : COMMERCIAL INDUSTRY		
Remediation : CASE OPEN		
Discovery Date : 03/16/95		
Substance : GASOLINE (UNSPECIFIED)		
Media Affected : GROUNDWATER		
Leak Cause : TANK FAILURE		
Leak Source : NON-COMMERCIAL INDUSTRY		
Remediation : CASE OPEN		
QUICK-N-EASY STORE; ROUTE 96A; DVID 14521	2733933	
Discovery Date : 02/01/90		8910493
Substance : GASOLINE (UNSPECIFIED)		
Media Affected : GROUNDWATER		
Leak Cause : TANK FAILURE		
Leak Source : FIXED FACILITY		

 For more information call: (619) 450-6100

LUST

SITE NAME AND ADDRESS	VISTA ID	EPA ID / AGENCY ID
QUICK-N-EASY STORE: ROUTE 96A, OVID 14521	2733933	
Remediation : CASE OPEN		
SENECA COUNTY HGWY DEPT: SENECA COUNTY HGWY DEPT, ROMULUS 14541	2736219	
Owner Name : SENECA COUNTY HGWY D		8706927
Owner Address : ROMULUS NY		
Discovery Date : 11/13/87		
Substance : GASOLINE (UNSPECIFIED)		
Media Affected : GROUNDWATER		
Leak Cause : TANK FAILURE		
Leak Source : NON-COMMERCIAL INDUSTRY		
Remediation : CASE CLOSED/CLEANUP COMPLETE		
HOWARD'S MOBIL: 4 CORNERS, OVID 14521	4112763	
Owner Name : HOWARD'S MOBIL		8708231
Owner Address : 4 CORNERS OVID NY		
Discovery Date : 12/23/87		
Substance : GASOLINE (UNSPECIFIED)		
Media Affected : SOIL/LAND/SAND		
Leak Cause : TANK FAILURE		
Leak Source : FIXED FACILITY		
Remediation : CASE CLOSED/CLEANUP COMPLETE		
WILLARD PSYCHIATRIC CENTE: ROUTE 96A, OVID 14521	5320087	
Discovery Date : 11/29/94		9411559
Substance : GASOLINE (UNSPECIFIED)		
Media Affected : GROUNDWATER		
Leak Cause : TANK FAILURE		
Leak Source : NON-COMMERCIAL INDUSTRY		
Remediation : CASE OPEN		

LUST

SITE NAME AND ADDRESS	VISTA ID	EPA ID / AGENCY ID
SUNOCO SERVICE STATION: ROUTE 96-A, OVID 14521	5416336	
Owner Name : LAMOREAUX AND QUINN		7980327
Owner Address :		
Substance : GASOLINE (UNSPECIFIED)		
Media Affected : UNKNOWN		
Leak Cause : TANK FAILURE		
Leak Source : COMMERCIAL INDUSTRY		
Remediation : CASE CLOSED/CLEANUP COMPLETE		

SWLF

SITE NAME AND ADDRESS	VISTA ID	EPA ID / AGENCY ID
[redacted] TOWN OF OVID:	3502609	
Facility Status : ACTIVE		50R02
Waste Type 1 : RESIDENTIAL		
Owner Name : TOWN OF OVID		
Owner Address :		
[redacted] , SENECA,WAYNE,YATES,COUNT	3998486	
Facility Type : INCINERATOR		
Facility Status : INACTIVE		
[redacted] SUPERIOR DISPOSAL: ,	5156807	
Facility Status : ACTIVE		50T01
Waste Type 1 : RESIDENTIAL		
Owner Name : RICHARD SEYMOUR		
Owner Address :		
[redacted] (T): ,	5619687	
Facility Status : INACTIVE		50S02
Owner Name : TOWN OF JUNIUS		
Owner Address :		
[redacted] (T): ,	5619941	
Facility Status : INACTIVE		50S10
Owner Name : VARICK		
Owner Address :		

 For more information call: (619) 450-6100

SWLF

SITE NAME AND ADDRESS	VISTA ID	EPA ID / AGENCY ID
[redacted]	5619977	
Facility Status : INACTIVE		50S11
[redacted] (T): TOWN HALL, OVID 14521	5620650	
Facility Status : INACTIVE		50S04
Owner Name : TOWN OF OVID SITE B		
Owner Address :		
[redacted] (T): TOWN HALL, ROMULUS 14541	5620651	
Facility Status : INACTIVE		50S06
Owner Name : TOWN OF ROMULUS		
Owner Address :		

 For more information call: (619) 450-6100

UST's

SITE NAME AND ADDRESS	VISTA ID	EPA ID / AGENCY ID
TROUTS GARAGE - ROUTE 96A, OVID 14521	739814	
Number of Underground Tanks: 2 Number of Aboveground Tanks: 0 Contents:LEADED GAS,		8-013528
NYSDOT - ROUTE #96, OVID 14521	748951	
Number of Underground Tanks: 2 Number of Aboveground Tanks: 0 Contents:LEADED GAS,DIESEL,		8-227285
[redacted] - ROUTE 96-96A, OVID 14521	777508	
Number of Underground Tanks: 4 Number of Aboveground Tanks: 0 Contents:OTHER,UNLEADED GAS,		8-498556
BURNHAM - CHAPMAN - ROUTE 2, BOX 12, OVID 14521	1531130	
Number of Underground Tanks: 2 Number of Aboveground Tanks: 1 Contents:DIESEL,LEADED GAS,		8-079944
SENECA COUNTY HIGHWAY DEPARTMENT - ROMULUS 14541	3634109	
Number of Underground Tanks: 5 Number of Aboveground Tanks: 1 Contents:UNLEADED GAS,DIESEL,FUEL OIL,		8-052833
NYS OFFICE OF PARKS/FINGER LAKES REG: BONAVISTA STATE GOLF COURSE, OVID 14521	3635814	
Number of Underground Tanks: 0 Number of Aboveground Tanks: 5 Contents:DIESEL,UNLEADED GAS,FUEL OIL,		8-600092

UST's

SITE NAME AND ADDRESS	VISTA ID	EPA ID / AGENCY ID
SOUTH SENECA CENTRAL SCHOOL: HIGH SCHOOL, OVID 14521	3640333	
Number of Underground Tanks: 3 Number of Aboveground Tanks: 4 Contents:FUEL OIL,DIESEL,EMPTY,		8-102075
TOWN OF OVID: HIGHWAY DEPARTMENT, OVID 14521	4112523	
Number of Underground Tanks: 3 Number of Aboveground Tanks: 3 Contents:DIESEL,FUEL OIL,UNLEADED GAS,		8-444774
TRY-US FOOD & FUEL: SMITH WEATHERBY INC, ROMULUS 14541	4122786	
Number of Underground Tanks: 7 Contents:UNLEADED GAS,EMPTY,		8-102318
T OF VARICK: HIGHWAY GARAGE, ROMULUS 14541	4259680	
Number of Underground Tanks: 3 Number of Aboveground Tanks: 5 Contents:UNLEADED GAS,DIESEL,FUEL OIL,		8-426350
TOWN OF ROMULUS: HIGHWAY DEPARTMENT, OVID 14521	5079966	
Number of Underground Tanks: 3 Number of Aboveground Tanks: 4 Contents:FUEL OIL,DIESEL,UNLEADED GAS,		8-051365

DESCRIPTION OF DATABASES SEARCHED

Below are general descriptions and search parameters of the federal and state databases that VISTA searches for the National Radius Report.

FEDERAL DATABASES

Please check the "Summary of Environmental Risks Found" matrix on the cover of this profile to determine the specific dates of the federal databases searched for this profile.

U.S. EPA: NPL

The National Priorities List (NPL) is the EPA's database of uncontrolled or abandoned hazardous waste sites identified for priority remedial action under the Superfund Program. A site, to be included on the NPL, must either meet or surpass a predetermined hazard ranking systems score, or be chosen as a state's top-priority site, or meet all three of the following criteria:

1) The US Department of Health and Human Services issues a health advisory recommending that people be removed from the site to avoid exposure.
2) The EPA determines that the site represents a significant threat.
3) The EPA determines that remedial action is more cost-effective than removal action.

U.S. EPA: CERCLIS

The CERCLIS List is a compilation by the EPA of the sites which the EPA has investigated or is currently investigating for a release or threatened release of hazardous substances pursuant to the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA or Superfund Act).

U.S. EPA: RCRA (RCRIS/HWDMS)

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of reporting facilities that generate, transport, treat, store or dispose of hazardous waste.

U.S. EPA: ERNS

The Emergency Response Notification System (ERNS) is a national database used to collect information on reported accidental releases of oil and hazardous substances. The database contains information from spill reports made to federal authorities including the EPA, the US Coast Guard, the National Response Center and the Department of Transportation.

STATE DATABASES

Please check the "Databases Searched" to determine if the following type of databases are available from VISTA for the state in which the subject property of this report is located. Please note that if the Summary does not list one of the following databases, it is not currently available. You may also determine the specific names and dates of the databases searched for this profile in the summary.

STATE: SPL

The State Priority List is a generic name for databases maintained by many states that contain sites considered to be actually or potentially contaminated and presenting a possible threat to human health and the environment. These sites are generally listed by the state to warn the public or as a part of an investigation and cleanup program managed by the state.

STATE: LUST

This is a database maintained by state or local agencies of known or suspected leaking underground storage tanks.

STATE: UST

This is a database maintained by state or local agencies of registered underground storage tanks.

STATE: SWLF

This is a database maintained by state or local agencies of Solid Waste Landfills, Incinerators, and transfer stations.

VISTA
NATIONAL RADIUS PROFILE

VISTA Report #: 6/088933-001 Date of Report: 11/08/95

Ref/Loan #: SENECA ARMY DEPOT
Client: VAN SANDS, WOODWARD CLYDE-DENVER
4582 S ULSTER ST STE 1200, DENVER, CO 80237-2637
Subject Property:
ROMULUS, NY 14541

SUMMARY OF FEDERAL RECORDS FOUND

Database & Date	Agency and Type of Records	0 to 1/4 mi	1/4 to 1/2 mi	1/2 to 4 1/2 mi	TOTAL
NPL 05/95	US EPA Superfund Sites	1	0	0	1
CERCLIS 09/95	US EPA Potential Superfund Sites	1	0	0	1
RCRA-LgGen '95	US EPA RCRA Large Quantity Generators	2	0	1	3
RCRA-SmGen 06/95	US EPA RCRA Small and Very Small Quantity Generators	0	0	1	1
RCRA-TSD 06/95	US EPA RCRA Treatment,Storage,and/or Disposal Sites	1	0	0	1
RCRA-Transp 06/95	US EPA RCRA Transporters	0	0	0	0
ERNS 03/95	US EPA	0	0	0	0
	FEDERAL RECORDS Sub-total:	5	0	2	7

1) A dash (--) indicates the list is not searched at that distance.
2) Sites often have a record in more than one database.

 For more information call: (619) 450-6100

VISTA
NATIONAL RADIUS PROFILE

VISTA Report #: 6/088933-001 Date of Report: 11/08/95

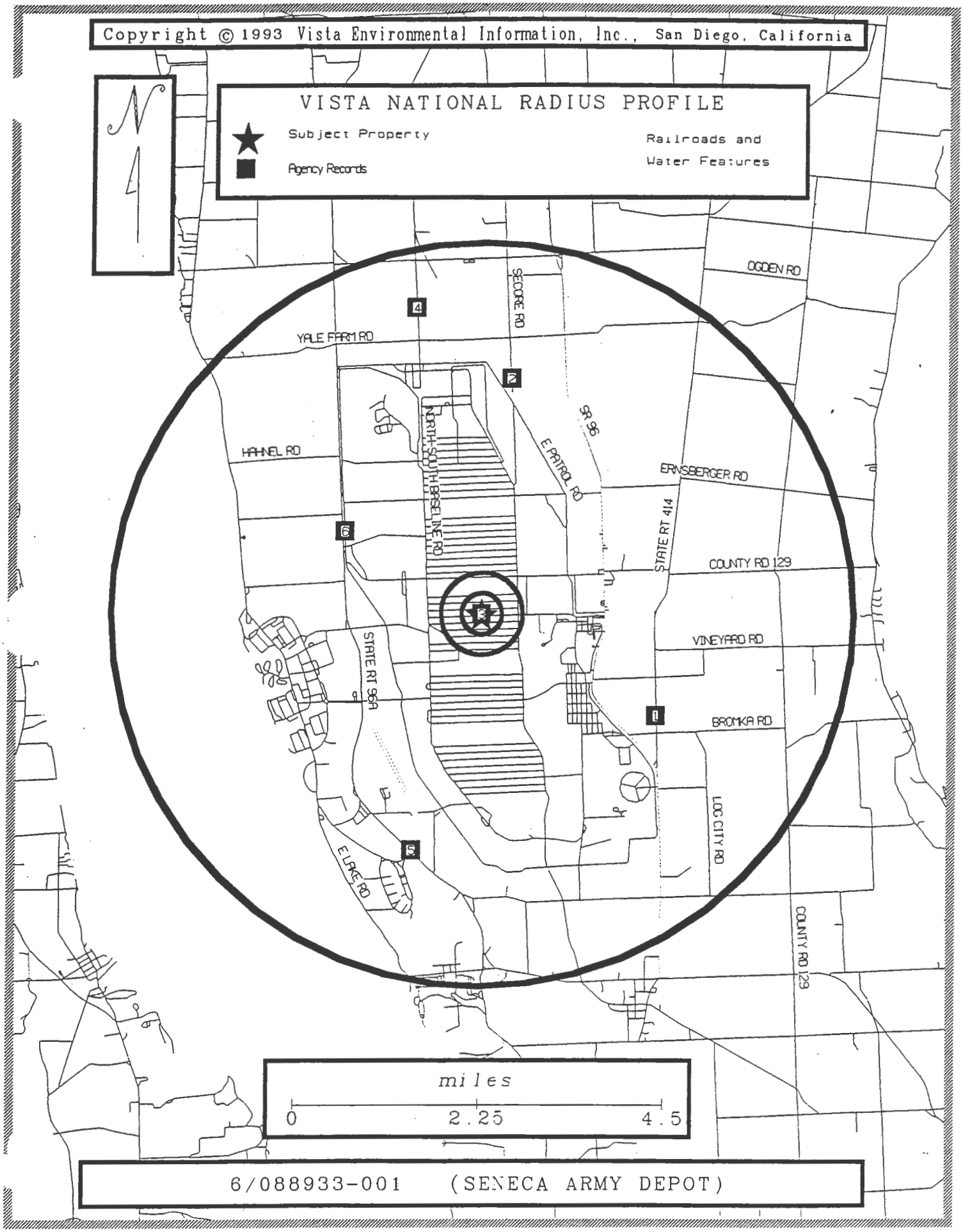
Ref/Loan #: SENECA ARMY DEPOT
Client: VAN SANDS, WOODWARD CLYDE-DENVER
4582 S ULSTER ST STE 1200, DENVER, CO 80237-2637
Subject Property:
ROMULUS, NY 14541

SUMMARY OF STATE RECORDS FOUND

Database & Date	Agency and Type of Records	0 to 1/4 mi	1/4 to 1/2 mi	1/2 to 4 1/2 mi	TOTAL
SPL	Department of Environmental Conservation, Bureau of Hazardous Site Control	1	0	1	2
07/95	Inactive Hazardous Waste Disposal Sites				
LUST	Department of Environmental Conservation	9	0	4	13
06/95	LUST (Tank Test Failures) Database				
SWLF	Department of Environmental Conservation, Bureau of Waste Management	0	0	0	0
01/94	Incinerators-Resource Recovery Projects				
SWLF	Department of Environmental Conservation, Bureau of Municipal Waste	0	0	0	0
04/93	Recycler's Listing				
SWLF	Department of Environmental Conservation, Division of Solid Waste	0	0	0	0
09/95	Active and Inactive Landfills List				
UST's	Dept. of Env. Conservation, Petroleum Bulk Storage	0	0	0	0
02/95	Suffolk County Petroleum Bulk Storage				
UST's	Dept. of Env. Conservation, Petroleum Bulk Storage	0	0	0	0
04/95	Cortland County Underground Storage Tank Database				
UST's	Dept. of Env. Conservation, Petroleum Bulk Storage	0	0	0	0
04/95	Nassau County Article XI In Service Tanks Database				
UST's	Dept. of Env. Conservation, Petroleum Bulk Storage	1	0	3	4
06/95	Underground Storage Tank Database				
UST's	Rockland County Department of Health	0	0	0	0
10/95	Rockland County Petroleum Bulk Storage Database				
	STATE RECORDS Sub-total:	11	0	8	19
	TOTAL:	16	0	10	26

Note: 1) A dash (--) indicates the list is not searched at that distance.
2) Sites often have a record in more than one database.

 For more information call: (619) 450-6100



6/088933-001 (SENECA ARMY DEPOT)

VISTA NATIONAL RADIUS PROFILE

11/07/95

VISTA Report #: 6/088933-001

NPL

MAP REF #	EPA ID / AGENCY ID	SITE NAME AND ADDRESS		
WITHIN 1/4 MILE				
3		SENECA ARMY DEPOT SDSSE-AD	ROMULUS 14541	Distance: 0.00 mi. Direction: -- Vista ID: 374101

For more information call: (619) 450-6100

CERCLIS

MAP REF #	EPA ID / AGENCY ID	SITE NAME AND ADDRESS

WITHIN 1/4 MILE

3 SENECA ARMY DEPOT — ROMULUS — Distance: 0.00 mi.
SDSSE-AD — 14541 — Direction: --
Vista ID: 1340589

NY0213820830

Status	: CURRENTLY ON FINAL NPL
Site Ownership	: FEDERALLY OWNED
Site Events	:
Event Type	: RECORD OF DECISION
Event Type	: REMEDIAL DESIGN
Event Type	: REMEDIAL ACTION
Event Type	: COMBINED RI/FS
Event Type	: RECORD OF DECISION
Event Type	: REMEDIAL DESIGN
Event Type	: REMEDIAL ACTION
Event Type	: COMBINED RI/FS
Event Type	: RECORD OF DECISION
Lead Agency	: EPA FUND FINANCED
Event Type	: REMEDIAL DESIGN
Event Type	: REMEDIAL ACTION
Event Type	: COMBINED RI/FS
Event Type	: RECORD OF DECISION
Event Type	: REMEDIAL DESIGN
Event Type	: REMEDIAL ACTION
Event Type	: COMBINED RI/FS
Event Type	: REMOVAL ACTION
Event Type	: RECORD OF DECISION
Event Type	: REMEDIAL DESIGN
Event Type	: REMEDIAL ACTION
Event Type	: COMBINED RI/FS
Event Type	: SCREENING SITE INSPECTION
Event Type	: PRELIMINARY ASSESSMENT
Event Type	: PROPOSED FOR NPL
Lead Agency	: EPA FUND FINANCED
Event Type	: FINAL LISTING ON NPL
Lead Agency	: EPA FUND FINANCED
Event Type	: FINAL LISTING ON NPL
Lead Agency	: EPA FUND FINANCED
Event Type	: DISCOVERY
Lead Agency	: EPA FUND FINANCED
Description	:SEAD CONDUCTS DEPOT LEVEL MAINTENNC, DEMILITARZN, & SURVEILLANCE ON CONVENTL AMMUNITION & SPCL WEAPONS WHCH REQUIRE SEADTO RECEIVE, INSPCT, TST, CLASSFY, REH REQUIRD, STORE,PRESRV, & ISSUE IND PLT EQUIPMNT; PROV LOGSTC SUPP & TRN ASS

 For more information call: (619) 450-6100

CERCLIS

MAP REF #	EPA ID / AGENCY ID	SITE NAME AND ADDRESS

WITHIN 1/4 MILE

3 SENECA ARMY DEPOT — ROMULUS — Distance: 0.00 mi.
SDSSE-AD — 14541 — Direction: --
Vista ID: 1340589

REQUIRD, STORE,PRESRV, & ISSUE IND PLT EQUIPMNT; PROV LOGSTC SUPP & TRN ASS

 For more information call: (619) 450-6100

RCRA-LgGen

MAP REF #	EPA ID / AGENCY ID	SITE NAME AND ADDRESS		
WITHIN 1/4 MILE				
3		SENECA ARMY DEPOT RTE 96	ROMULUS 14541	Distance: 0.00 mi. Direction: -- Vista ID: 1340589
	NY0213820830	Generator Class :Generators who generate at least 1000 kg./month of non-acutely hazardous waste (or 1 kg./month of acutely hazardous waste).		
3		USCG - LORAN C STATION SENECA SENECA ARMY DEPOT	ROMULUS 14541	Distance: 0.00 mi. Direction: -- Vista ID: 3699526
	NY6690331404	Generator Class :Generators who generate at least 1000 kg./month of non-acutely hazardous waste (or 1 kg./month of acutely hazardous waste).		
WITHIN 1/2 TO 4.5 MILES				
5		NYS PARKS & REC - SAMPSON ST PK 6096 RTE 96A	ROMULUS 14541	Distance: 2.97 mi. Direction: SW Vista ID: 366339
	NYD982541237	Generator Class :Generators who generate at least 1000 kg./month of non-acutely hazardous waste (or 1 kg./month of acutely hazardous waste).		

 For more information call: (619) 450-6100

RCRA-SmGen

MAP REF #	EPA ID / AGENCY ID	SITE NAME AND ADDRESS

WITHIN 1/2 TO 4.5 MILES

6 TOWN OF VARICK ROMULUS Distance: 1.94 mi.
4782 ROUTE 96 14541 Direction: NW
Vista ID: 3653964

NYD035700459 Generator Class :Generators who generate 100 kg./month but less than 1000 kg./month of non-acutely hazardous waste

---

RCRA-TSD

MAP REF #	EPA ID / AGENCY ID	SITE NAME AND ADDRESS

WITHIN 1/4 MILE

3 SENECA ARMY DEPOT — ROMULUS — Distance: 0.00 mi.
RTE 96 — 14541 — Direction: --
Vista ID: 1340589

NY0213820830 Process Codes :Other Treatment Incinerator Container Storage

SPL

MAP REF #	EPA ID / AGENCY ID	SITE NAME AND ADDRESS

WITHIN 1/4 MILE

3 — SENECA ARMY DEPOT, RTE 96, ROMULUS, 14541 — Distance: 0.00 mi. — Direction: -- — Vista ID: 1340589

850006

Owner Name : U.S. ARMY
Owner Address : ROUTE 96A
ROMULUS , NY
Facility Type : OPEN DUMP
NPL Status :
State Status : REMEDIAL ACTION PENDING
Waste # 0 : AMMUNITION WASTE
Waste # 1 : CHLORINATED SOLVENTS
Waste # 2 :
STATE Detailed Site Description Available
Call 1-800-877-3824 for Details.

WITHIN 1/2 TO 4.5 MILES

5 — SAMPSON STATE PARK, ROUTE 96A, ROMULUS, 14541 — Distance: 2.97 mi. — Direction: SW — Vista ID: 3507351

850005

Owner Name : SAMPSON STATE PARK
Owner Address : 6096 ROUTE 96A
ROMULUS , NY
Facility Type : OPEN DUMP
NPL Status :
State Status : TEMPORARILY NO STATUS
Waste # 0 : UNKNOWN ,
Waste # 1 :
Waste # 2 :
STATE Detailed Site Description Available
Call 1-800-877-3824 for Details.

LUST

MAP REF #	EPA ID / AGENCY ID	SITE NAME AND ADDRESS

WITHIN 1/4 MILE

3 SENECA ARMY DEPOT — ROMULUS
RTE 96 — 14541
Distance: 0.00 mi.
Direction: --
Vista ID: 1340589

9402630

Owner Name : SENECA ARMY DEPOT
Owner Address :

Discovery Date : 02/12/90
Substance : GASOLINE (UNSPECIFIED)
Media Affected : GROUNDWATER
Leak Cause : TANK FAILURE
Leak Source : NON-COMMERCIAL INDUSTRY
Remediation : CASE CLOSED/CLEANUP COMPLETE
Owner Name : SENECA ARMY DEPOT
Owner Address : ROUTE 96
ROMULUS NY

Discovery Date : 09/22/88
Substance : JET FUEL
Media Affected : GROUNDWATER
Leak Cause : TANK FAILURE
Leak Source : NON-COMMERCIAL INDUSTRY
Remediation : CASE CLOSED/CLEANUP COMPLETE
Owner Name : SENECA ARMY DEPOT
Owner Address : ROUTE 96A
ROMULUS NY

Discovery Date : 12/08/87
Substance : GASOLINE (UNSPECIFIED)
Media Affected : GROUNDWATER
Leak Cause : TANK FAILURE
Leak Source : NON-COMMERCIAL INDUSTRY
Remediation : CASE CLOSED/CLEANUP COMPLETE
Owner Name : SENECA ARMY DEPOT
Owner Address : SAME

Discovery Date : 11/16/87
Substance : FUEL OIL #2
Media Affected : GROUNDWATER
Leak Cause : TANK FAILURE
Leak Source : NON-COMMERCIAL INDUSTRY
Remediation : CASE CLOSED/CLEANUP COMPLETE
Owner Name : U S ARMY
Owner Address : SAME

LUST

MAP REF #	EPA ID / AGENCY ID	SITE NAME AND ADDRESS

WITHIN 1/4 MILE

3 SENECA ARMY DEPOT
RTE 96
ROMULUS
14541
Distance: 0.00 mi.
Direction: --
Vista ID: 1340589

Discovery Date	: 09/22/92
Substance	: FUEL OIL #2
Media Affected	: SOIL/LAND/SAND
Leak Cause	: TANK FAILURE
Leak Source	: NON-COMMERCIAL INDUSTRY
Remediation	: CASE CLOSED/CLEANUP COMPLETE
Owner Name	: SENECA ARMY DEPOT
Owner Address	: ROUTE 96 SDSTO-53EI-PE ROMULUS, NY 14541
Discovery Date	: 09/13/91
Substance	: FUEL OIL #2
Media Affected	: GROUNDWATER
Leak Cause	: TANK FAILURE
Leak Source	: NON-COMMERCIAL INDUSTRY
Remediation	: CASE CLOSED/CLEANUP COMPLETE
Discovery Date	: 09/10/91
Substance	: GASOLINE (UNSPECIFIED)
Media Affected	: GROUNDWATER
Leak Cause	: TANK FAILURE
Leak Source	: NON-COMMERCIAL INDUSTRY
Remediation	: CASE CLOSED/CLEANUP COMPLETE
Discovery Date	: 12/08/94
Substance	: FUEL OIL #2
Media Affected	: SOIL/LAND/SAND
Leak Cause	: TANK FAILURE
Leak Source	: NON-COMMERCIAL INDUSTRY
Remediation	: CASE CLOSED/CLEANUP COMPLETE

---

3 SENECA ARMY DEPOT BLD 357
SENECA ARMY DEPOT BLG 357
ROMULUS
14541
Distance: 0.00 mi.
Direction: --
Vista ID: 1356147

9004170	Owner Name	: SENECA ARMY DEPOT
	Owner Address	: RT 96
	Discovery Date	: 12/19/87
	Substance	: GASOLINE (UNSPECIFIED)

LUST

MAP REF # | EPA ID / AGENCY ID | SITE NAME AND ADDRESS

WITHIN 1/4 MILE

3 SENECA ARMY DEPOT BLD 357 ROMULUS Distance: 0.00 mi.
SENECA ARMY DEPOT BLG 357 14541 Direction: --
Vista ID: 1356147

Media Affected : GROUNDWATER
Leak Cause : TANK FAILURE
Leak Source : NON-COMMERCIAL INDUSTRY
Remediation : CASE CLOSED/CLEANUP COMPLETE
Discovery Date : 03/27/92
Substance : FUEL OIL #2
Quantity : 75.00 GALLONS
Media Affected : GROUNDWATER
Leak Cause : TANK FAILURE
Leak Source : NON-COMMERCIAL INDUSTRY
Remediation : CASE CLOSED/CLEANUP COMPLETE

---

3 SENECA ARMY DEPOT ROMULUS Distance: 0.00 mi.
ROUTE 96 SENECA ARMY DEP 14541 Direction: --
Vista ID: 1521704

9400104
Owner Name : SENECA ARMY DEPOT
Owner Address :
ROMULUS
Discovery Date : 04/04/94
Substance : FUEL OIL #2
Quantity : 100.00 GALLONS
Media Affected : SURFACE WATER
Leak Cause : TANK FAILURE
Leak Source : NON-COMMERCIAL INDUSTRY
Remediation : CASE CLOSED/CLEANUP COMPLETE
Owner Name : IT CORPORATION
Owner Address : 140 ALLENS CREEK RAD
ROCHESTER, NY
Discovery Date : 09/15/93
Substance : FUEL OIL #2
Quantity : 20.00 GALLONS
Media Affected : SOIL/LAND/SAND
Leak Cause : TANK FAILURE
Leak Source : NON-COMMERCIAL INDUSTRY
Remediation : CASE OPEN
Discovery Date : 11/19/92
Substance : FUEL OIL #2

LUST

MAP REF #	EPA ID / AGENCY ID	SITE NAME AND ADDRESS

WITHIN 1/4 MILE

3 SENECA ARMY DEPOT
ROUTE 96A AIRFD BLDG 2305
ROMULUS
14541
Distance: 0.00 mi.
Direction: --
Vista ID: 1521704

Quantity : 1700.00 GALLONS
Media Affected : GROUNDWATER
Leak Cause : TANK FAILURE
Leak Source : NON-COMMERCIAL INDUSTRY
Remediation : CASE CLOSED/CLEANUP COMPLETE

---

3 SENECA ARMY DEPOT
SENECA ARMY DEPOT
ROMULUS
14541
Distance: 0.00 mi.
Direction: --
Vista ID: 2736222

8904332
Owner Name : SENECA ARMY DEPOT
Owner Address :

Discovery Date : 06/11/92
Substance : FUEL OIL #2
Media Affected : GROUNDWATER
Leak Cause : TANK FAILURE
Leak Source : NON-COMMERCIAL INDUSTRY
Remediation : CASE OPEN

---

3 SENECA ARMY DEPOT
2452 QUARTERS AREA
ROMULUS
14541
Distance: 0.00 mi.
Direction: --
Vista ID: 3539976

9204266
Owner Name : U S ARMY
Owner Address : SAME

Discovery Date : 07/14/92
Substance : FUEL OIL #2
Media Affected : GROUNDWATER
Leak Cause : TANK FAILURE
Leak Source : NON-COMMERCIAL INDUSTRY
Remediation : CASE CLOSED/CLEANUP COMPLETE

 For more information call: (619) 450-6100

LUST

MAP REF #	EPA ID / AGENCY ID	SITE NAME AND ADDRESS

WITHIN 1/4 MILE

3 — SENECA ARMY DEPOT, BLDG 710, ROMULUS, 14541 — Distance: 0.00 mi. — Direction: -- — Vista ID: 4112546

8907242

Owner Name	: SENECA ARMY DEPOT
Owner Address	: ROMULUS NY
Discovery Date	: 10/20/89
Substance	: FUEL OIL #2
Media Affected	: SOIL/LAND/SAND
Leak Cause	: TANK FAILURE
Leak Source	: NON-COMMERCIAL INDUSTRY
Remediation	: CASE CLOSED/CLEANUP COMPLETE

---

3 — SENECA ARMY DEPOT, BLDG 806, ROMULUS, 14541 — Distance: 0.00 mi. — Direction: -- — Vista ID: 4112547

8907722

Owner Name	: SENECA ARMY DEPOT
Owner Address	: ROMULUS NY
Discovery Date	: 11/01/89
Substance	: FUEL OIL #2
Media Affected	: GROUNDWATER
Leak Cause	: TANK FAILURE
Leak Source	: NON-COMMERCIAL INDUSTRY
Remediation	: CASE CLOSED/CLEANUP COMPLETE

---

3 — SENECA ARMY DEPOT, BUILDING #212, ROMULUS, 14541 — Distance: 0.00 mi. — Direction: -- — Vista ID: 4112548

8910053

Owner Name	: SENECA ARMY DEPOT
Owner Address	:
Discovery Date	: 01/19/90
Substance	: FUEL OIL #2
Media Affected	: STREET/GUTTER/SEWER
Leak Cause	: TANK FAILURE
Leak Source	: NON-COMMERCIAL INDUSTRY
Remediation	: CASE CLOSED/CLEANUP COMPLETE

LUST

MAP REF # | EPA ID / AGENCY ID | SITE NAME AND ADDRESS

WITHIN 1/4 MILE

3 — SENECA ARMY DEPOT BG 2079 / SENECA ARMY BLDG 2079 — ROMULUS 14541 — Distance: 0.00 mi. Direction: -- Vista ID: 4719832

9307375
Owner Name : SENECA ARMY DEPOT
Owner Address :
Discovery Date : 09/17/93
Substance : FUEL OIL #6
Media Affected : SOIL/LAND/SAND
Leak Cause : TANK FAILURE
Leak Source : NON-COMMERCIAL INDUSTRY
Remediation : CASE CLOSED/CLEANUP COMPLETE

WITHIN 1/2 TO 4.5 MILES

2 — CLARK (GEORGE) RESIDENCE / 4910 SECOR ROAD — VARICK — Distance: 2.88 mi. Direction: N Vista ID: 5320457

9410950
Discovery Date : 11/15/94
Substance : PETROLEUM
Media Affected : GROUNDWATER
Leak Cause : TANK FAILURE
Leak Source : PRIVATE DWELLING
Remediation : CASE OPEN

---

4 — SPLIT PINE FARMS / SPLIT PINE,MCGRANE RD — ROMULUS 14541 — Distance: 3.80 mi. Direction: NW Vista ID: 2736503

8607945
Owner Name : SPLIT PINE FARMS
Owner Address : MCGRANE RD
ROMULUS
Discovery Date : 03/27/87
Substance : DIESEL
Media Affected : GROUNDWATER
Leak Cause : TANK FAILURE
Leak Source : COMMERCIAL INDUSTRY
Remediation : CASE CLOSED/CLEANUP COMPLETE

 For more information call: (619) 450-6100

LUST

MAP REF #	EPA ID / AGENCY ID	SITE NAME AND ADDRESS

WITHIN 1/2 TO 4.5 MILES

5 — NYS PARKS & REC - SAMPSON ST
6096 RTE 96A
ROMULUS
14541
Distance: 2.97 mi.
Direction: SW
Vista ID: 366339

9000052

Owner Name	: SAMPSON STATE PARK
Owner Address	: RT 414
	DRESDEN, NY
Discovery Date	: 03/01/90
Substance	: GASOLINE (UNSPECIFIED)
Media Affected	: GROUNDWATER
Leak Cause	: TANK FAILURE
Leak Source	: NON-COMMERCIAL INDUSTRY
Remediation	: CASE CLOSED/CLEANUP COMPLETE

---

6 — TOWN OF VARICK
4782 ROUTE 96
ROMULUS
14541
Distance: 1.94 mi.
Direction: NW
Vista ID: 3653964

9305503

Discovery Date	: 08/03/93
Substance	: DIESEL
Media Affected	: GROUNDWATER
Leak Cause	: TANK FAILURE
Leak Source	: NON-COMMERCIAL INDUSTRY
Remediation	: CASE OPEN

UST's

MAP REF #	EPA ID / AGENCY ID	SITE NAME AND ADDRESS		
WITHIN 1/4 MILE				
3		US ARMY SENECA ARMY DEPOT ACTIVITY	ROMULUS 14541	Distance: 0.00 mi. Direction: -- Vista ID: 2495496
	8-416118	Number of Underground Tanks: 175 Number of Aboveground Tanks: 91 Contents:FUEL OIL,OTHER,UNLEADED GAS,DIESEL,KEROSENE,EMPTY,		
WITHIN 1/2 TO 4.5 MILES				
1		COVERT FARMS 5666 RT 414	ROMULUS 14541	Distance: 2.45 mi. Direction: SE Vista ID: 744574
	8-118397	Number of Underground Tanks: 1 Number of Aboveground Tanks: 5 Contents:LEADED GAS,FUEL OIL,		
4		SPLIT PINE FARMS 4685 MCGRANE ROAD	ROMULUS 14541	Distance: 3.80 mi. Direction: NW Vista ID: 741852
	8-052140	Number of Underground Tanks: 3 Number of Aboveground Tanks: 0 Contents:LEADED GAS,FUEL OIL,		
5		NYS OFFICE OF PARKS & RECREATION SAMPSON STATE PARK	ROMULUS 14541	Distance: 2.97 mi. Direction: SW Vista ID: 4122766
	8-264644	Number of Underground Tanks: 12 Number of Aboveground Tanks: 8 Contents:OTHER,DIESEL,FUEL OIL,UNLEADED GAS,		

UNMAPPABLE SITES

Unmappable sites are environmental risk sites that cannot be geocoded, but can be located by zip code or city name.

In general, a site cannot be geocoded because of inaccurate or missing locational information in the record provided by the agency. For many of these records, VISTA has corrected or added locational information by using U.S. Postal address validation files and proprietary programming that adds locational information from private industry address files. However, many site addresses cannot be corrected using these techniques and those sites cannot be mapped.

Of the sites that cannot be mapped, VISTA identifies those that have complete zip code or city name information. All ungeocoded sites that have a ZIP code in the radius are considered for inclusion. Ungeocoded sites that do not have a ZIP code but do have a street name are considered for inclusion if they have a city in the radius. An ungeocoded record may be excluded if it can be determined to be outside the relevant radius searched for a particular database.

RCRA-LgGen

SITE NAME AND ADDRESS	VISTA ID	EPA ID / AGENCY ID
NYSDOT BIN 4035060: RTE 96 & CAYUGA SENECA CANAL, WATERLOO 13165	3693711	
Generator Class :Generators who generate at least 1000 kg./month of non-acutely hazardous waste (or 1 kg./month of acutely hazardous waste).		NYD986966190
NYSDOT BIN 1035080: RTE 96 OVER THE SENECA RIVER, WATERLOO 13165	5190881	
Generator Class :Generators who generate at least 1000 kg./month of non-acutely hazardous waste (or 1 kg./month of acutely hazardous waste).		NY0000234906

RCRA-SmGen

SITE NAME AND ADDRESS	VISTA ID	EPA ID / AGENCY ID
NYSDEC REGION 8: NORTH SIDE OF WHITE RD, VARICK 99999	4875100	
Generator Class :Generators who generate 100 kg./month but less than 1000 kg./month of non-acutely hazardous waste		NY0000182725

LUST

SITE NAME AND ADDRESS	VISTA ID	EPA ID / AGENCY ID
ELMORE (WILLIE) RESIDENCE: ROUTE 414, ROMULUS 14541	1531487	
Owner Name : MARSHA & WILLIE ELMO		9012605
Owner Address : BOX 213, ROUTE 414 ROMULUS, NY 14541		
Discovery Date : 03/07/91		
Substance : FUEL OIL #2		
Quantity : 20.00 GALLONS		
Media Affected : SOIL/LAND/SAND		
Leak Cause : TANK FAILURE		
Leak Source : PRIVATE DWELLING		
Remediation : CASE CLOSED/CLEANUP COMPLETE		
WILLARD PSYCHIATRIC CTR: LAUNDRY BUILDING, ROMULUS 14541	2723940	
Owner Name : WILLARD PSYCHIATRIC		8709283
Owner Address : ROMULUS, NY		
Discovery Date : 01/26/88		
Substance : FUEL OIL #2		
Media Affected : GROUNDWATER		
Leak Cause : TANK FAILURE		
Leak Source : NON-COMMERCIAL INDUSTRY		
Remediation : CASE CLOSED/CLEANUP COMPLETE		
WILLARD PSYCHIATRIC CTR: ROUTE 96A POWER PLANT, ROMULUS 14541	2730737	
Discovery Date : 03/23/95		9200234
Substance : FUEL OIL #2		
Media Affected : SOIL/LAND/SAND		
Leak Cause : TANK FAILURE		
Leak Source : COMMERCIAL INDUSTRY		
Remediation : CASE OPEN		
Discovery Date : 03/20/95		
Substance : GASOLINE (UNSPECIFIED)		
Media Affected : SOIL/LAND/SAND		
Leak Cause : TANK FAILURE		
Leak Source : COMMERCIAL INDUSTRY		
Remediation : CASE OPEN		
Discovery Date : 03/16/95		

 For more information call: (619) 450-6100

LUST

SITE NAME AND ADDRESS	VISTA ID	EPA ID / AGENCY ID
WILLARD PSYCHIATRIC CTR: ROUTE 96A POWER PLANT, ROMULUS 14541	2730737	
Substance : GASOLINE (UNSPECIFIED)		
Media Affected : GROUNDWATER		
Leak Cause : TANK FAILURE		
Leak Source : NON-COMMERCIAL INDUSTRY		
Remediation : CASE OPEN		
LAMOREAUX/QUINN: ROUTE 414, ROMULUS 14541	2733189	
Owner Name : LAMOREAUX/QUINN		8707060
Owner Address : 229 MAIN STREET TRUMANSBURG NY 14880		
Discovery Date : 11/19/87		
Substance : GASOLINE (UNSPECIFIED)		
Media Affected : GROUNDWATER		
Leak Cause : TANK FAILURE		
Leak Source : COMMERCIAL INDUSTRY		
Remediation : CASE CLOSED/CLEANUP COMPLETE		
SENECA COUNTY HGWY DEPT: SENECA COUNTY HGWY DEPT, ROMULUS 14541	2736219	
Owner Name : SENECA COUNTY HGWY D		8706927
Owner Address : ROMULUS NY		
Discovery Date : 11/13/87		
Substance : GASOLINE (UNSPECIFIED)		
Media Affected : GROUNDWATER		
Leak Cause : TANK FAILURE		
Leak Source : NON-COMMERCIAL INDUSTRY		
Remediation : CASE CLOSED/CLEANUP COMPLETE		
DONALD BAKER RESIDENCE: HAHNEL ROAD, ROMULUS 14541	5418957	
Owner Name : DONALD BAKER RESIDEN		7980115
Owner Address : HAHNEL RD ROMULUS NY		
Substance : KEROSENE		
Media Affected : GROUNDWATER		

 For more information call: (619) 450-6100

LUST

SITE NAME AND ADDRESS	VISTA ID	EPA ID / AGENCY ID
DONALD BAKER RESIDENCE: HAHNEL ROAD, ROMULUS 14541	5418957	

Leak Cause : TANK FAILURE
Leak Source : PRIVATE DWELLING
Remediation : CASE CLOSED/CLEANUP COMPLETE

SWLF

SITE NAME AND ADDRESS	VISTA ID	EPA ID / AGENCY ID
AUBURN SLF (C): ,	3502176	
Facility Status : INACTIVE		06S01
Waste Type 1 : RESIDENTIAL		
Owner Name : CITY OF AUBURN		
Owner Address :		
APPLETON T.S.: ,	3502196	
Facility Status : ACTIVE		62R01
Waste Type 1 : RESIDENTIAL		
Owner Name : APPLETON DISPOSAL SE		
Owner Address :		
DAIGUA (T) R.T. #1: ,	3502244	
Facility Status : ACTIVE		35R13
Waste Type 1 : RESIDENTIAL		
Owner Name : TOWN OF CANANDAIGUA		
Owner Address :		
CANANDAIGUA (C) R. TRANS.: ,	3502245	
Facility Status : ACTIVE		35R12
Waste Type 1 : RESIDENTIAL		
Owner Name : CITY OF CANANDAIGUA		
Owner Address :		
: , SENECA,WAYNE,YATES COUNT	3998486	
Facility Type : INCINERATOR		
Facility Status : INACTIVE		

SWLF

SITE NAME AND ADDRESS	VISTA ID	EPA ID / AGENCY ID
AUBURN SLF NO. 2 (C): ,	4898076	
Facility Status : ACTIVE		06S14
Waste Type 1 : RESIDENTIAL		
Owner Name : CITY OF AUBURN		
Owner Address :		
LOCKWOOD ASH DISP SITE: ,	4898207	
Facility Status : ACTIVE		62N01
Waste Type 1 : BOTTOM ASH		
Owner Name : NYS ELECTRIC & GAS C		
Owner Address :		
SUPERIOR DISP. T.S.: ,	5156807	
Facility Status : ACTIVE		50T01
Waste Type 1 : RESIDENTIAL		
Owner Name : RICHARD SEYMOUR		
Owner Address :		
BRILLO LANDFILL: ,	5619479	
Facility Status : INACTIVE		06S13
Owner Name : JOSEPH BRILLO		
Owner Address :		
CANANDAIGUA C & D SITE: ,	5619523	
Facility Status : INACTIVE		35D01
Waste Type 1 : CONSTRUCTION/DEMO		

 For more information call: (619) 450-6100

SWLF

SITE NAME AND ADDRESS	VISTA ID	EPA ID / AGENCY ID
CANANDAIGUA SLF (T): ,	5619524	
Facility Status : INACTIVE		35S03
Owner Name : TOWN OF CANANDAIGUA		
Owner Address :		
ONTARIO CO. #2: ,	5619806	
Facility Status : INACTIVE		35S17
Owner Name : ONTARIO COUNTY ENV Q		
Owner Address :		
TRANSELCO INC.: ,	5619922	
Facility Status : INACTIVE		62S70
VICTORY SLF: ,	5619934	
Facility Status : INACTIVE		06S10
VARICK LF (T): ,	5619941	
Facility Status : INACTIVE		50S10
Owner Name : VARICK		
Owner Address :		
ROMULUS LF (T): TOWN HALL, ROMULUS 14541	5620651	
Facility Status : INACTIVE		50S06
Owner Name : TOWN OF ROMULUS		
Owner Address :		

UST's

SITE NAME AND ADDRESS	VISTA ID	EPA ID / AGENCY ID
SENECA COUNTY: HIGHWAY DEPARTMENT, ROMULUS 14541	3634109	
Number of Underground Tanks: 5 Number of Aboveground Tanks: 1 Contents:UNLEADED GAS,DIESEL,FUEL OIL,		8-052833
NYS OFFICE OF PARKS REC HIST PRES: SENECA LAKE STATE PARK, GENEVA 14456	3936085	
Number of Underground Tanks: 3 Contents:FUEL OIL,UNLEADED GAS,DIESEL,		8-501352
TRY-US FOOD & FUEL: SMITH WEATHERBY INC, ROMULUS 14541	4122786	
Number of Underground Tanks: 7 Contents:UNLEADED GAS,EMPTY,		8-102318
TOWN OF VARICK: HIGHWAY GARAGE, ROMULUS 14541	4259680	
Number of Underground Tanks: 3 Number of Aboveground Tanks: 5 Contents:UNLEADED GAS,DIESEL,FUEL OIL,		8-426350

DESCRIPTION OF DATABASES SEARCHED

Below are general descriptions and search parameters of the federal and state databases that VISTA searches for the National Radius Report.

FEDERAL DATABASES

Please check the "Summary of Environmental Risks Found" matrix on the cover of this profile to determine the specific dates of the federal databases searched for this profile.

U.S. EPA: NPL

The National Priorities List (NPL) is the EPA's database of uncontrolled or abandoned hazardous waste sites identified for priority remedial action under the Superfund Program. A site, to be included on the NPL, must either meet or surpass a predetermined hazard ranking systems score, or be chosen as a state's top-priority site, or meet all three of the following criteria:

1) The US Department of Health and Human Services issues a health advisory recommending that people be removed from the site to avoid exposure.
2) The EPA determines that the site represents a significant threat.
3) The EPA determines that remedial action is more cost-effective than removal action.

U.S. EPA: CERCLIS

The CERCLIS List is a compilation by the EPA of the sites which the EPA has investigated or is currently investigating for a release or threatened release of hazardous substances pursuant to the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA or Superfund Act).

U.S. EPA: RCRA (RCRIS/HWDMS)

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of reporting facilities that generate, transport, treat, store or dispose of hazardous waste.

U.S. EPA: ERNS

The Emergency Response Notification System (ERNS) is a national database used to collect information on reported accidental releases of oil and hazardous substances. The database contains information from spill reports made to federal authorities including the EPA, the US Coast Guard, the National Response Center and the Department of Transportation.

STATE DATABASES

Please check the "Databases Searched" to determine if the following type of databases are available from VISTA for the state in which the subject property of this report is located. Please note that if the Summary does not list one of the following databases, it is not currently available. You may also determine the specific names and dates of the databases searched for this profile in the summary.

STATE: SPL

The State Priority List is a generic name for databases maintained by many states that contain sites considered to be actually or potentially contaminated and presenting a possible threat to human health and the environment. These sites are generally listed by the state to warn the public or as a part of an investigation and cleanup program managed by the state.

STATE: LUST

This is a database maintained by state or local agencies of known or suspected leaking underground storage tanks.

STATE: UST

This is a database maintained by state or local agencies of registered underground storage tanks.

STATE: SWLF

This is a database maintained by state or local agencies of Solid Waste Landfills, Incinerators, and transfer stations.

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APPENDIX C

UST AND AST LIST

Table C-1
REGISTERED PETROLEUM STORAGE TANKS
SENECA ARMY DEPOT ACTIVITY, NEW YORK

BUILDING NUMBER	STATE REGISTRATION NUMBER	EPA REGISTRATION NUMBER	CAPACITY (GALLONS)	PRODUCT	UNDER OR ABOVE GROUND	IN OR OUTSIDE, TANK TYPE, HOUSING, YEAR INSTALLED, SWMU NUMBER	EMERGENCY GENERATOR	OUT OF SERVICE?
103	1	N/A	2,500	F.O.	ung	fgd 1988		
752	2	N/A	275	F.O.	tabg	1992		TOS
2491	3	N/A	275	F.O.	abg	in H 1988		
2076	4	N/A	275	F.O.	abg	out 1988		
6	5	N/A	500	F.O.	ung	st 1984		
101	6	N/A	3,000	F.O.	ung	st 1942		
106G	7	N/A	550	F.O.	abg	out 1990	GEN	
104	8	N/A	285	F.O.	abg	out stp 1993		
106	9	N/A	5,000	F.O.	ung	st 1977		
106A	10	N/A	500	F.O.	ung	st 1977		
113	11	N/A	2,000	F.O.	ung	fg 1985		
114	12	N/A	1,000	F.O.	ung	st 1943		
114	13	N/A	1,000	F.O.	ung	st 1943		
2492	14	N/A	275	F.O.	abg	in H 1988		
126	15	N/A	550	F.O.	ung	st 1980		
138	16	N/A	500	F.O.	abg	out stp 1993		
S142	17	N/A	275	F.O.	abg	in 1942		
S142	18	N/A	275	F.O.	abg	in 1942		
S142	19	N/A	275	F.O.	abg	in 1994		
308	20	N/A	1,000	F.O.	ung	st 1942		
309	21	N/A	275	F.O.	abg	in 1990		
2493	22	N/A	275	F.O.	abg	in H 1988		
118	23	N/A	500	Used oil	abg	out stp 1993		
334	24	N/A	275	F.O.	abg	out stp 1993		
117	25	117	2,005	Used oil	ung	fg 1982		
2494	27	N/A	275	F.O.	abg	in H 1988		
353	28	N/A	500	F.O.	ung	st 1954		
360S	29	N/A	500	F.O.	ung	st 1969		
360S	30	N/A	500	F.O.	ung	st 1969		
360N	31	N/A	1,000	F.O.	ung	fg 1980		
367	32	N/A	2,000	F.O.	abg	out 1990		
606	33	N/A	2,000	F.O.	ung	st 1956		
609	34	N/A	3,000	F.O.	ung	st 1954		
609	35	N/A	1,000	F.O.	abg	in 1953		
710	36	N/A	1,000	F.O.	ung	fgd 1991		TOS
714	37	N/A	1,000	F.O.	ung	st 1957		TOS
718	38	718	10,000	used oil	ung	fgd 1989		TOS
729	39	N/A	2,000	F.O.	ung	fg 1986		TOS
733	40	N/A	1,000	F.O.	ung	st 1971		TOS
742	41	N/A	550	F.O.	ung	st 1984		TOS
740	42	N/A	1,000	F.O.	ung	st 1960		TOS
746	43	N/A	3,000	F.O.	ung	st 1982		TOS
747	44	N/A	4,000	F.O.	ung	fg 1982		TOS
800	45	N/A	1,500	F.O.	ung	st 1981		TOS
802	46	N/A	1,000	F.O.	ung	st 1956		TOS
805	47	N/A	1,000	F.O.	ung	st 1956		TOS
806	48	N/A	1,000	F.O.	ung	fgd 1991		TOS

Table C-1
(Continued)

BUILDING NUMBER	STATE REGISTRATION NUMBER	EPA REGISTRATION NUMBER	CAPACITY (GALLONS)	PRODUCT	UNDER OR ABOVE GROUND	IN OR OUTSIDE, TANK TYPE, HOUSING, YEAR INSTALLED, SWMU NUMBER	EMERGENCY GENERATOR	OUT OF SERVICE?
810	50	N/A	550	F.O.	abg	out 1967		TOS
810	51	N/A	550	F.O.	abg	out 1967		TOS
812	52	N/A	1,500	F.O.	ung	st 1956		TOS
813	53	N/A	2,500	F.O.	ung	fgd 1990		
2495	54	N/A	275	F.O.	abg	in H 1988		
816	55	N/A	3,000	F.O.	ung	fg 1983		
817	56	N/A	1,000	F.O.	ung	st 1959		TOS
819	57	N/A	3,000	F.O.	ung	st 1957		
824	58	N/A	550	F.O.	ung	st 1961		TOS
732	59	732	550	Used oil	ung	fg 1982		TOS
2496	60	N/A	275	F.O.	abg	in H 1988		
2086	61	N/A	285	F.O.	abg	out stp 1995		
2497	63	N/A	275	F.O.	abg	in H 1988		
2104	64	N/A	285	F.O.	abg	out stp 1995		
2113	65	N/A	500	F.O.	abg	out stp 1993		
2498	67	N/A	275	F.O.	abg	in H 1988		
2301	68	N/A	550	F.O.	ung	st 1954		TOS
2305	69	N/A	1,000	F.O.	ung	st 1957		
2306	70	N/A	1,500	F.O.	ung	st 1957		TOS
2485	71	N/A	1,000	F.O.	ung	st 1981		
2410	72	N/A	2-275	F.O.	abg	in 1942		
2411	73	N/A	2,000	F.O.gen	abg	out 1992	GEN	
200A/B	74	N/A	550	F.O.	ung	st H 1961		
201A/B	75	N/A	550	F.O.	ung	st H 1961		
202	76	N/A	550	F.O.	ung	st H 1961		
203	77	N/A	550	F.O.	ung	st H 1961		
204	78	N/A	550	F.O.	ung	st H 1961		
205	79	N/A	550	F.O.	ung	st H 1961		
206	80	N/A	550	F.O.	ung	st H 1961		
207	81	N/A	550	F.O.	ung	st H 1961		
208E	82	N/A	275	F.O.	abg	in H 1942		TOS
208W	83	N/A	275	F.O.	abg	in H 1942		TOS
209E	84	N/A	275	F.O.	abg	in H 1942		TOS
209W	85	N/A	275	F.O.	abg	in H 1942		TOS
210A/B	86	N/A	550	F.O.	ung	st H 1961		
211A/B	87	N/A	550	F.O.	ung	st H 1961		TOS
212A/B	88	N/A	500	F.O.	abg	stp H 1992		TOS
213A/B	89	N/A	550	F.O.	ung	st H 1961		TOS
214	90	N/A	500	F.O.	abg	stp H 1992		TOS
215	91	N/A	550	F.O.	ung	st H 1961		TOS
216	92	N/A	550	F.O.	ung	st H 1961		TOS
217	93	N/A	550	F.O.	ung	st H 1961		TOS
218A/B	94	N/A	550	F.O.	ung	st H 1961		
219A/B	95	N/A	550	F.O.	ung	st H 1961		
221A/B	96	N/A	550	F.O.	ung	st H 1961		
222A/B	97	N/A	550	F.O.	ung	st H 1961		TOS
223A/B	98	N/A	550	F.O.	ung	st H 1961		TOS

Table C-1
(Continued)

BUILDING NUMBER	STATE REGISTRATION NUMBER	EPA REGISTRATION NUMBER	CAPACITY (GALLONS)	PRODUCT	UNDER OR ABOVE GROUND	IN OR OUTSIDE, TANK TYPE, HOUSING, YEAR INSTALLED, SWMU NUMBER	EMERGENCY GENERATOR	OUT OF SERVICE?
224A/B	99	N/A	550	F.O.	ung	st H 1979		TOS
224C/D	100	N/A	550	F.O.	ung	st H 1961		TOS
225A/B	101	N/A	550	F.O.	ung	st H 1961		TOS
225C/D	102	N/A	550	F.O.	ung	fg H 1983		TOS
226A/B	103	N/A	550	F.O.	ung	st H 1961		TOS
226C/D	104	N/A	550	F.O.	ung	st H 1983		TOS
227A/B	105	N/A	550	F.O.	ung	st H 1961		TOS
227C/D	106	N/A	550	F.O.	ung	st H 1961		TOS
228A/B	107	N/A	550	F.O.	ung	st H 1961		TOS
228C/D	108	N/A	550	F.O.	ung	fg H 1983		TOS
229A/B	109	N/A	550	F.O.	ung	st H 1961		TOS
229C/D	110	N/A	550	F.O.	ung	st H 1961		TOS
230A/B	111	N/A	550	F.O.	ung	st H 1961		TOS
230C/D	112	N/A	550	F.O.	ung	st H 1961		TOS
231A/B	113	N/A	550	F.O.	ung	st H 1961		TOS
231C/D	114	N/A	550	F.O.	ung	st H 1961		TOS
232A/B	115	N/A	550	F.O.	ung	st H 1961		TOS
232C/D	116	N/A	550	F.O.	ung	st H 1961		TOS
233A/B	117	N/A	550	F.O.	ung	st H 1961		TOS
233C/D	118	N/A	550	F.O.	ung	st H 1961		TOS
234A/B	119	N/A	550	F.O.	ung	st H 1961		TOS
234C/D	120	N/A	550	F.O.	ung	st H 1961		TOS
235A/B	121	N/A	550	F.O.	ung	st H 1961		TOS
235C/D	122	N/A	550	F.O.	ung	st H 1961		TOS
236A/B	123	N/A	550	F.O.	ung	st H 1961		TOS
236C/D	124	N/A	550	F.O.	ung	st H 1961		TOS
238A/B	125	N/A	1,000	F.O.	ung	st H 1961		TOS
238C/D	126	N/A	550	F.O.	ung	st H 1961		TOS
239A/B	127	N/A	550	F.O.	ung	st H 1961		TOS
239C/D	128	N/A	550	F.O.	ung	st H 1961		TOS
240A/B	129	N/A	550	F.O.	ung	st H 1961		TOS
240C/D	130	N/A	550	F.O.	ung	st H 1961		TOS
241A/B	131	N/A	550	F.O.	ung	st H 1961		TOS
241C/D	132	N/A	550	F.O.	ung	st H 1961		TOS
242A/B	133	N/A	550	F.O.	ung	st H 1961		TOS
242C/D	134	N/A	550	F.O.	ung	st H 1961		TOS
243A/B	135	N/A	1,000	F.O.	ung	st H 1961		TOS
243C/D	136	N/A	550	F.O.	ung	st H 1961		TOS
244A/B	137	N/A	550	F.O.	ung	st H 1961		TOS
244C/D	138	N/A	550	F.O.	ung	st H 1961		TOS
245A/B	139	N/A	550	F.O.	ung	st H 1961		TOS
245C/D	140	N/A	550	F.O.	ung	st H 1961		TOS
2401	141	N/A	550	F.O.	ung	st H 1942		
2403	142	N/A	550	F.O.	ung	st H 1942		
2404	143	N/A	550	F.O.	ung	st H 1942		
2406	144	N/A	550	F.O.	ung	st H 1942		
2408	145	N/A	2-275	F.O.	abg	in H 1991		

Table C-1
(Continued)

BUILDING NUMBER	STATE REGISTRATION NUMBER	EPA REGISTRATION NUMBER	CAPACITY (GALLONS)	PRODUCT	UNDER OR ABOVE GROUND	IN OR OUTSIDE, TANK TYPE, HOUSING, YEAR INSTALLED, SWMU NUMBER	EMERGENCY GENERATOR	OUT OF SERVICE?
2412	146	N/A	550	F.O.	ung	st H 1942		TOS
2414	147	N/A	550	F.O.	ung	st H 1942		TOS
2415	148	N/A	550	F.O.	ung	st H 1942		TOS
2418	149	N/A	550	F.O.	ung	st H 1942		TOS
2419	150	N/A	550	F.O.	ung	st H 1942		TOS
2421	151	N/A	550	F.O.	ung	st H 1942		TOS
2423	152	N/A	550	F.O.	ung	st H 1942		TOS
2425	153	N/A	550	F.O.	ung	st H 1942		TOS
2426	154	N/A	550	F.O.	ung	st H 1942		TOS
2427	155	N/A	550	F.O.	ung	st H 1942		TOS
2429	156	N/A	550	F.O.	ung	st H 1942		TOS
2432	157	N/A	500	F.O.	ung	fg H 1986		TOS
2437	158	N/A	550	F.O.	ung	st H 1942		TOS
2438	159	N/A	550	F.O.	ung	st H 1942		TOS
2441	160	N/A	550	F.O.	ung	st H 1942		TOS
2443	161	N/A	550	F.O.	ung	st H 1942		TOS
2446	162	N/A	550	F.O.	ung	st H 1942		TOS
2448	163	N/A	550	F.O.	ung	st H 1942		TOS
2450	164	N/A	550	F.O.	ung	st H 1942		TOS
2452	165	N/A	285	F.O.	abg	stp H 1992		TOS
2453	166	N/A	550	F.O.	ung	st H 1942		TOS
102	167	N/A	285	Gasoline	abg	out stp 1995		
120	168	120A	20,000	Gasoline	ung	fg 1985		
748	169	N/A	275	F.O.	abg	out 1983		TOS
334	170	N/A	500	Gasoline	abg	out stp 1993		
749	171	N/A	275	F.O.	abg	out 1986		TOS
719	172	719	15,000	Gasoline	ung	fg 1985		
2499	173	N/A	275	F.O.	abg	in H 1988		
2456	174	N/A	550	Gasoline	abg	out 1991		
4	175	N/A	275	F.O.	abg	in 1946	GEN	
120	176	120B	10,000	Diesel	ung	fg 1985		
127	177	127	12,000	Diesel	ung	fgd 1985		
137	178	N/A	550	F.O.	ung	st 1983	GEN	
T137	179	N/A	200	F.O.	abg	in 1961	GEN	
715	180	N/A	275	F.O.	abg	in 1956	GEN	
819	182	819	10,000	F.O.	ung	st 1981	GEN	
2304	183	N/A	285	F.O.	abg	out stp 1995	GEN	
2411	184	N/A	1,500	CLOSED IN PLACE				
Airfield	185	AIRF	30,000	JP-4	ung	fgd 1990		
2500	186	N/A	275	F.O.	abg	in H 1988		
129	187	N/A	60,000	F.O.	abg	out 1982		TOS
717	188	N/A	40,600	F.O.	abg	out 1956		TOS
2501	189	N/A	275	F.O.	abg	in H 1988		
750	190	N/A	275	F.O.	abg	out 1985		TOS
2502	191	N/A	275	F.O.	abg	in H 1988		
2504	192	N/A	275	F.O.	abg	in H 1988		
2505	193	N/A	275	F.O.	abg	in H 1988		

Table C-1
(Continued)

BUILDING NUMBER	STATE REGISTRATION NUMBER	EPA REGISTRATION NUMBER	CAPACITY (GALLONS)	PRODUCT	UNDER OR ABOVE GROUND	IN OR OUTSIDE, TANK TYPE, HOUSING, YEAR INSTALLED, SWMU NUMBER	EMERGENCY GENERATOR	OUT OF SERVICE?
718	194	N/A	40,000	# 6 F.O.	ung	st 1956		
718	195	N/A	20,000	# 6 F.O.	ung	st 1978		
319	196	N/A	30,000	# 6 F.O.	ung	st 1951		
319	197	N/A	20,000	# 6 F.O.	ung	st 1951		
121	198	N/A	30,000	# 6 F.O.	ung	st 1943		
2507	199	N/A	275	F.O.	abg	in H 1988		
237A/B	200	N/A	550	F.O.	ung	st H 1961		TOS
237C/D	201	N/A	550	F.O.	ung	st H 1961		TOS
721	202	721	12,000	Diesel	ung	fgd 1986		TOS
2073	203	N/A	1,000	F.O.	ung	fgd 1986		
2508	204	N/A	275	F.O.	abg	in H 1988		
2509	205	N/A	275	F.O.	abg	in H 1988		
2510	206	N/A	275	F.O.	abg	in H 1988		
2511	207	N/A	275	F.O.	abg	in H 1988		
2512	208	N/A	275	F.O.	abg	in H 1988		
2513	209	N/A	275	F.O.	abg	in H 1988		
742	210	742A	3,000	Gasoline	ung	fgd 1990		TOS
742	211	742B	3,000	Gasoline	ung	fgd 1990		TOS
701	212	N/A	550	F.O.	ung	fg 1987		
729	213	N/A	550	F.O.	ung	fgd 1986	GEN	
751	214	N/A	250	F.O.	abg	out 1987		TOS
LORAN-C	215	N/A	6,000	F.O.	abg	out 1991	GEN	
2514	216	N/A	275	F.O.	abg	in H 1988		
2515	217	N/A	275	F.O.	abg	in H 1988		
2516	218	N/A	275	F.O.	abg	in H 1988		
2517	219	N/A	275	F.O.	abg	in H 1988		
2518	220	N/A	275	F.O.	abg	in H 1988		
2519	221	N/A	275	F.O.	abg	in H 1988		
2520	222	N/A	275	F.O.	abg	in H 1988		
2521	223	N/A	275	F.O.	abg	in H 1988		
2523	224	N/A	275	F.O.	abg	in H 1988		

LOCATION CODES

- abg in - aboveground inside building
- abg out - aboveground outside
- tabg - temporary aboveground outside
- ung - underground
- H - Housing

TANK TYPE CODES

- st - steel
- stp - steel, with prefabricated steel dike
- fg - fiberglass
- fgd - fiberglass double wall

all aboveground tanks are single wall steel, except LORAN-C and Building 2411 Reg. No. 073 tanks are dual wall

PRODUCT CODES

- F.O. - Fuel oil/DF-1
- #6 F.O. - #6 Fuel Oil

OTHER CODES

- VIOL - tank has been cited and in violation of law
- GEN - emergency generator
- TOS - temporary out of service, tank has been emptied and/or building has been mothballed

Total tanks registered with New York State	218	Number of tanks registered with both	12
Total tanks registered with EPA	12	Total number of registered petroleum tanks	218

APPENDIX D

SAMPLE INTERVIEW FORM

FORM 3 - INTERVIEWS

Installation Code: _____; Area: _____; Parcel: _____;
Facility No. : _____; Facility Name: _____;
Map ID: _____; Coordinates: _____; Address: _____;
Team Member Name: _____; Date: _____

Interviewee Information:
Name:_____; Organization: _____; Title: _____;
Role/Responsibility: _____; Phone: _____;
Period for which the person would have specific and detailed knowledge of the area or facility in question:

_____
Any other areas or facilities for which the person would have specific and detailed knowledge?
Area or Facility Period:
1) _____
2) _____
3) _____

Who can I talk to regarding previous uses or processes of this area/facility?
Period: _____Contact: _____
Period: _____Contact: _____
Period: _____Contact: _____
Period: _____Contact: _____
Period: _____Contact: _____

TABLE I-1: FACILITIES WITH COMMON USE OR PURPOSE

FACILITY NO.	FACILITY NAME	DATE CONSTRUCTED	DATE EXPANDED

Installation Code: _____; Area: _____; Parcel: _____; Facility No: _____
Team Member Name: _____; Date: _____
Interviewee: _____

USE HISTORY

Use the following questions to complete Table I-2. Include historical perspective on disposal practices and locations, and state amounts of stored chemicals and wastes in the comments column.

Was or is the area/facility in question used as a gasoline station, motor or machine fabrication or repair facility, dry cleaners, photo developing laboratory, plating shop, paint shop, electronics or electro-optical manufacturing or repair facility, medical or dental facility, training area, or as a waste treatment, disposal (such as junkyard or landfill), processing, or recycling facility? Y/N

Was or is the area in question used as a firing and/or bombing range? Y/N

Describe the use history of this area or facility, including the processes for which the area or facility was used.

Describe the process chemicals and petroleum products which have been or are **used** in this facility or area?

Describe the process chemicals and petroleum products which have been or are **stored** in this facility or area, and where these materials are stored.

Describe any pesticides, paints, or other chemical containers, or damaged or discarded automotive or industrial batteries which have been or are located, stored, or used in this facility or area.

Describe any other drums, sacks, or cartons containing chemicals located in this facility or area.

Describe the wastes which have been or are generated in this facility or area, and the rates at which these wastes were and are generated.

Describe chemical or petroleum products wastes which have been or are stored in this facility or area, the amounts of stored wastes, and where these wastes are stored.

Does the facility generate used oil? Y/N

Were or are radioactive elements (such as radium, uranium) used in a manufacturing process or contained in machinery/devices which were repaired? Y/N If yes, what are the radioactive elements? Where were/are raw materials stored? Where were/are wastes disposed? Can you provide copies of permits? Y/N

Is or was mercury used or contained in any machinery parts, or electrical, pressure, or vacuum instruments? Y/N

Installation Code: _____; Area: _____; Parcel: _____; Facility No: _____
Team Member Name: _____; Date: _____
Interviewee: _____

TABLE I-2: AREA OR FACILITY USE HISTORY

PERIOD	USE/PROCESS	CHEMICALS / PETROLEUM PRODUCTS USED OR GENERATED	TYPE[1]	CLASS[2]	GEN. RATE	STORAGE[3]	DISPOSAL

1 - P = process, W = waste, C = cleaning, O = other such as pesticides and paint stored for incidental use.
2 - PP = petroleum product, HS = hazardous substance.
3 - Identify specific location in area or facility. For USTs and ASTs use Table I-3.

Installation Code: _____; Area: _____; Parcel: _____; Facility No: _____
Team Member Name: _____; Date: _____
Interviewee: _____

UST AND AST INVENTORY

Have there been or are there any above ground or under ground storage tanks containing hazardous substances or petroleum products located on the installation/area/facility? Y/N If yes, can you provide a complete list of all tanks, a tank location map, and a copy of all permit(s)? Y/N If yes, Document ID: _____; otherwise complete:

TABLE I-3: UST AND AST INVENTORY

TANK NO.	UST or AST	YEAR INSTALLED	CAPACITY/ (GAL) CONSTRUCTION	CONTENTS	CLASS[1]	STATUS	SITE NO.	FUTURE ACTIONS	COMMENTS[2]

1 - PP = petroleum product, HS = hazardous substance.

2 - Include compliance monitoring, if present, and results.

Installation Code: _____; Area: _____; Parcel: _____; Facility No: _____
Team Member Name: _____; Date: _____
Interviewee: _____

POTENTIAL RELEASES

To the best of your knowledge, have spills, leaks or other releases of hazardous substance or petroleum products occurred in this facility or area? Y/N If yes, What chemical or petroleum product was released?

_____

How much was released? _____; Map ID:_____; Coordinates: _____
Is or was an investigation and remedial action conducted? Y/N *If yes, enter required information into Table I-4.*

Are or have liquid or solid wastes or debris including tires, automotive or industrial batteries, ordnánce or any other waste materials been Dumped, Buried, Burned, or Discharged (circle one or more) in this area? Y/N/U If yes, What materials? _____
Period? _____; Map ID:_____; Coordinates: _____
Is or was an investigation and remedial action conducted? Y/N *If yes, enter required information into Table I-4.*

Is this area or facility treated with pesticides? Y/N/U Inside? Y/N ; Outside? Y/N ; What types?

_____

Are/have they been applied according to manufacturer's directions? Y/N/U; Application personnel: (*Installation personnel, Outside contractor*)

WASTE WATER

How is sewage disposed? (*Sanitary sewer, Septic system, Treatment system*)

Are any liquid wastes, wastewaters, or process cooling waters discharged to the sewer system? Y/N If yes, What are the constituents in the waste or wastewater? _____
_____;
Can you provide testing documentation and permit information? Y/N If yes, Document IDs: _____

Are there any drains or abandoned drains onsite? Y/N If yes, where?: _____;
What drains into them? _____;
Where do they discharge to? _____;
What possible chemicals or petroleum products drain into them? _____

Are there any sumps or dry wells in this area/facility? Y/N If yes, What is discharged into it? _____

_____

When was it installed? _____; Abandoned? Y/N; When? _____; Is or was an investigation and remedial action conducted? Y/N *If yes, enter required information into Table I-4*

Installation Code: _____; Area: _____; Parcel: _____; Facility Number: _____
Team Member Name: _____; Date: _____
Interviewee: _____

COMPLIANCE ISSUES

Has an asbestos survey been performed? Y/N If yes, when? _____; Can you provide a copy of the survey? Y/N If yes, Doc. ID: _____; Did the survey identify any ACM? Y/N If yes, where?

_____

Was the asbestos removed? Y/N ; If yes, when? _____

Has a lead-based paint survey been performed? Y/N If yes, when? _____; Can you provide a copy of the survey? Y/N If yes, Doc. ID: _____; Did the survey identify any lead-based paint onsite? Y/N; Was the paint removed? Y/N ; When? _____

Has a radon survey been performed? Y/N If yes, When? _____; Can you provide a copy of the survey? Y/N If yes, Doc. ID: _____; Was radon detected above regulatory levels? Y/N Have mitigation actions been instituted? Y/N ; When? _____

Has the potable water supply been tested? Y/N If yes, can you provide the test results? Y/N
If yes, Doc. ID: _____
Process Water Supply: (*Installation, City, County, Facility well, River, Other:* _____);

Are there any PCB-containing equipment other than transformers in this area/facility? Y/N If yes, can you provide a list identifying the status of each and a map locating all identified locations? Y/N If yes, Document ID: _____; If no, Map ID:_____; Coordinates: _____;
Are any of these investigation or cleanup sites? Y/N *If yes, enter required information into Table I-4*

Are there any transformers in the area or facility? Y/N If yes, Can you provide a list and a map of them? Y/N If yes, Document ID:_____; If no, list: Map ID:_____;
Pole No._____; Coordinates: _____;
Pole No._____; Coordinates: _____;
Pole No._____; Coordinates: _____;
Have these transformers been inspected and tested? Y/N If yes, Can you provide documentation? Y/N If yes, Document ID: _____; Are any of these investigation or cleanup sites? Y/N *If yes, enter required information into Table I-4.*

Where is transformer retrofitting conducted? _____; Does the installation have a storage site for PCB wastes? Y/N If yes, Facility: _____; Map ID: _____; Coordinates: _____

Are or have there been air emissions from this installation/facility? Y/N If yes, can you provide a copy of the permit(s) and a complete list of all sources and a map locating the historical and present sources? Y/N If yes, Doc. ID: _____; If no, Describe: _____;

_____

Installation Code: _____; Area: _____; Parcel: _____; Facility No: _____
Team Member Name: _____; Date: _____
Interviewee: _____

Is the facility under a consent order, compliance schedule, or ever received a Notice of Violation for air emissions? Y/N ; If yes, Explain: _____
_____

INVESTIGATION AND CLEANUP ACTIVITIES

Describe any past or present investigation or cleanup sites in this area or associated with this facility.

TABLE I-4: INVESTIGATION AND CLEANUP SITES

SITE ID	NAME	CONTAMINANTS	STATUS/ ACTIVITY	DOC ID MAP ID	MAP COORD.

Installation Code: _____; Area: _____; Parcel: _____; Facility No: _____
Team Member Name: _____; Date: _____
Interviewee: _____

MISCELLANEOUS

Are there any pipelines located in this area/facility? Y/N If yes, sketch in approximate location(s). Map ID: _____; Coordinates: _____; Size: _____; Construction: _____; Contents: _____; Pressure tested? Y/N Date of last test: _____; Has it leaked? Y/N If yes, Is or was an investigation and remedial action conducted? Y/N *If yes, enter required information into Table I-4.*

Have there been any demolition activities in this area or in relation to this facility? Y/N If yes,
What was demolished?
_____
Where was it located? Map ID: _____; Coordinates: _____
Where was the demolition wastes disposed? Map ID: _____; Coordinates: _____
Use Table I-2 to describe the demolished facility's use history.
Were there associated USTs or ASTs? Y/N/U *If yes, enter required information into Table I-3.*
Is or was an investigation and remedial action conducted? Y/N *If yes, enter required information into Table I-4.*

Are there any pending, threatened, or past litigation, administrative proceedings, or notices from any governmental entity regarding any possible violation of laws or possible liability relating to hazardous substances or petroleum products in, on, or from the area or facility? Y/N Explain: _____
_____
_____;
Can you provide documentation? Y/N If yes, Document ID: _____

APPENDIX E

SAMPLE VISUAL INSPECTION FORM

FORM 4 - VISUAL INSPECTIONS

Team Member Name: _____; Date: _____
Installation Name: _____; Installation Code: _____
Area: _____; Parcel: _____; Facility No. _____;
Facility Name: _____; Map ID: _____; Coordinates: _____
Address: _____
Area/Facility Use: (*Undeveloped, Agriculture, Housing, Recreation, Commercial, Utilities, Light Industrial, Heavy Industrial, Other:*_____); Acreage: _____;
Associated IRP Site, SWMU, or OU? Y/N/U ; If yes, Site ID(s): _____
Area/Facility contact name/title: _____; Phone: _____

Escort Information:
Name:_____; Organization: _____; Title: _____
Role/Responsibility: _____; Phone: _____;
Period for which the person would have specific and detailed knowledge of the area or facility in question:
_____

Inspection Information:
Methods used to observe area or facility: (*Air, Auto, Walk, Onsite, Remote:* _____)
Inspection Complete? Y/N If no, explain: _____
_____

Setting:
Adjoining land use (show on map): _____
_____
Roads without outlets? Y/N ; Describe use: _____
Wetlands, Streams, Springs/seeps?: Y/N (delineate on map as W, S, SS, respectively);
Surface Cover: (*Vegetation, Manmade; Type:* _____);

Construction:
Structure: (*Metal frame, Wood frame, Concrete*);
Siding (*Metal, Wood, Concrete, PVC, Other*_____);
Flooring Material: (*Wood, Concrete, Ceramic, Vinyl*);
Roofing Material: (*Composition, Sheet Metal, Tar, Tiles, Slate, Cedar Shake, Rubberized, Fiberglass*)
Insulation Material: (*Fiberglass, Foam, Unknown*)

Facility Utilities:
Heating/Ventilation/Cooling (HVAC) System: (*Oil/forced air, Gas/forced air, Electrical, Steam, Hot water*);
HVAC Power: (*Gas, Oil, Coal, Electric*); Backup Power Supply? Y/N;
Boiler Room? Y/N; Exhaust System? Y/N

Use History:
Describe in Table I-2 additional information regarding the use history of this area or facility discovered during the visual inspection that was not already described during interviews.

Installation Code: _____; Area: _____; Parcel: _____; Facility No: _____
Team Member Name: _____; Date: _____

FEATURES (Circle each form used. Use the appropriate form listed below.)

FORM V1: STORAGE TANKS: ASTs, USTs, Oil/Water Separators
FORM V2: HAZARDOUS SUBSTANCES AND/OR PETROLEUM PRODUCTS USED OR GENERATED, AND THEIR STORAGE AND DISPOSAL (except for USTs and ASTs).
FORM V3: POTENTIAL RELEASES: As indicated by stains, pools, stressed vegetation, odors, burned areas, illicit dumping and other uncontrolled waste.
FORM V4: WASTE WATER: Occurrence and disposition, including storm water, cooling water, waste water from processes, facility floors, oil-water separators, sumps, dry wells, etc.
FORM V5: PIPELINES
FORM V6: TRANSFORMERS: inventory, including capacitors.
FORM V7: PONDS: Including infiltration ponds, waste water treatment reservoirs, etc.
FORM V8: AIR EMISSIONS: Including incinerators, boilers, process, or laboratory exhaust.
FORM V9: POTENTIAL ASBESTOS CONTAINING MATERIALS
FORM V10: WELLS: Including drinking water, process water, agricultural, monitoring, injection, oil, and gas.

PHOTOGRAPHS

Frame Number Compass View Subject

APPENDIX F

ENVIRONMENTAL TITLE HISTORY REPORT

APPENDIX F

CHAIN OF TITLE REPORT
BRAC PROPERTY
SENECA ARMY DEPOT ACTIVITY, NEW YORK

REPORT PARCEL	DATE TRANSFERRED	ACREAGE	OWNER	OWNERSHIP MAP REFERENCE[a]	COMMENTS
1	10/20/1941	3.25	The Trustees of First Baptist Cemetery Association and Society of Romulus, NY	66, 72	
2	8/4/1941	310.82	Chester Phillips, Frank S. Williams and Carrie Isabelle Williams, his wife	57, 66, 80	
3	8/4/1941	199	First National Bank of Waterloo, Chester Phillips, Marline Phillips and John Sutton	57, 62, 80, 87	
4	3/6/1942	221.75	Violet Yates, et al.	61, 79, 81, 87, 88	
5	1/19/1942	242.56	Clement B. Cole, et al.	57, 66, 75, 76, 87	
6	12/17/1941	2.79	Trustees of School District No. 19, Varick, NY	57, 74, 75, 87, 88	
7	4/21/1943	0.786	Lehigh Valley Railroad		
8	8/4/1941	67, 0.5, 89, 122.32, 243.82	Chester Phillips, et al.	57, 66, 80	
9	11/22/1941	52, 32.68, 0.90	Albert A. Van Riper and Catherine G. Van Riper; Frank Dullmeyer and Frances, his wife	57, 58	
10	12/1/1941	67.31	John B. Lisk and Edith S. Lisk, his wife	62	
11	12/1/1941	85	George G. Ehle, widower	61	
12	12/1/1941	68.14	Libby Laskowske, widow	51	

APPENDIX F
(Continued)

REPORT PARCEL	DATE TRANSFERRED	ACREAGE	OWNER	OWNERSHIP MAP REFERENCE[a]	COMMENTS
13	11/29/1941	.5	Myrtle C. Moses, and Charles F. Moses, her husband	56	
14	11/29/1941	66.59, 29.67	Jay H. Van Riper and Pearl M. Van Riper, his wife	55, 61	
15	11/29/1941	40	Albert Collins	62	
16	10/30/1941	67	Wilson Grant Hunt Buchholz and Esther G. Buchholz, his wife	57	
17	11/21/1941	50	Adelbert Abner Thompson and Martha B. Thompson, his wife	56	
18	11/21/1941	170	Anna May McGrane, S. Agnes McGrane, Gordon McGrane, unmarried and Charles McGrane, married	51, 52	
19	11/21/1941	100	Anna M. McGrane and Gordon McGrane, Executors of the last Will and Testament of Margaret McGrane	52	
20	11/15/1941	150	John E. McGrane Executor of John McGrane, deceased	56	
21	11/15/1941	100	Clara E. Cook, widow and Anna E. McKnight, unmarried	57	
22	11/14/1941	131.54	Emma C. Hogan and William E. Hogan, her husband	52	
23	11/22/1941	67	Chester W. Phillips and Ina Phillips, his wife	57	

APPENDIX F
(Continued)

REPORT PARCEL	DATE TRANSFERRED	ACREAGE	OWNER	OWNERSHIP MAP REFERENCE*	COMMENTS
24	11/28/1941	1, 1	Marick Wesleyan Methodist Church, et al.	61, 62	
25	11/22/1941	5, 12, 33	Chester W. Phillips and Ina M. Phillips, his wife, and Merline C. Phillips and Virginia M. Phillips, his wife	62	
26	12/8/1941	109.93	Paul and Sadie E. Olsowske, husband and wife	52	
27	12/8/1941	4.5	Scott Briggs and Margaret L. Briggs, his wife	61	
28	12/8/1941	35	Martha B. Crane, married	62	
29	12/8/1941	50	Lillian I. Everett, married	61	
30	12/8/1941	75, 150	Walter B. Keefer and Georgia Keefer, his wife	58, 63	
31	12/9/1941	50	Henry J. Hoster, executor of the Albert J. Kreutter Will	57	
32	12/9/1941	3.20	Barton L. Van Riper and Emily L. Van Riper, his wife	62	
33	12/9/1941	50	John T. White and Elizabeth Loretta White, his wife	61	
34	12/9/1941	65.222, 43.04	Burt B. Van Riper and Ella S. Van Riper, his wife	58	
35	12/9/1941	20	Martha B. Thompson	56	
36	12/15/1941	57.81	Albert Covert and Bertha M. Covert, his wife	57	
37	12/15/1941	97.27	Leah E. Thorpe and Harry E. Thorpe, her husband	61	

APPENDIX F
(Continued)

REPORT PARCEL	DATE TRANSFERRED	ACREAGE	OWNER	OWNERSHIP MAP REFERENCE[a]	COMMENTS
38	12/15/1941	2	William O'Marra and Frances Catherine O'Marra	63	
39	12/15/1941	17.108, 31.759	Martin O'Marra and Mary E. O'Marra, his wife	58	
40	12/15/1941	21	Frank Komonek and Eva Komonek, his wife	61	
41	12/15/1941	51	Rosetta Campbell and John Campbell, her husband	61	
42	12/15/1941	101	Fred C. Thorp and Bertha H. Thorp, his wife	61	
43	12/16/1941	65.95	Charles H. Jacobus and Laura M. Jacobus, his wife	62	
44	12/9/1941	57.71	John B. Lisk, Edith S. Lisk, his wife and Charles W. Lisk, widower	62	
45	12/9/1941	89.17	Edith S. Lisk and John B. Lisk, her husband	62	
46	12/16/1941	25	Harry Pettit and Elizabeth Pettit	62	
47	12/23/1941	112.25	Ernest N. Van Riper and Irene B. Van Riper, his wife	63	
48	12/23/1941	2	J. Oren Somerville and Mary G. Somerville, his wife	63	
49	12/23/1941	76	Emma S. Bolles, widow	63	
50	11/29/1941	51.55	Charles J. Baldridge and Mary K. Baldridge, his wife	61, 66	
51	1/2/1942	12.142, 6.787	Thomas W. Osborne, unmarried	58	

APPENDIX F
(Continued)

REPORT PARCEL	DATE TRANSFERRED	ACREAGE	OWNER	OWNERSHIP MAP REFERENCE*	COMMENTS
52	1/14/1942	46.242, 56.379	Monroe Jacob Post and Dellaphine Post, his wife	49	
53	1/14/1942	84.28	The Seneca Falls Savings Bank	56	
54	1/22/1942	89.74	C. Edward Montford and Emily Cutler Montford, his wife	62, 63	
55	1/29/1942	127.9	Harold M. Robbins and Gladys I. Robbins, his wife	56	
56	1/29/1942	145, 34.98, 9.60	Richard Montgomery Seeley and Clara B. Seeley, his wife	51, 55	
57	1/30/1942	166.08, 26.85	Wilson G.H. Buchholz, Esther G. Buchholz, his wife, and August L. Buchholz, widower	57	
58	3/9/1942	8.805	John Dwire, et al.	51	
59	8/11/1941	15, 64.35, 62.05, 135.03, 64.35, 62.05, 0.034	John E. Deasy, et al.	62, 69	
60	4/2/1942	137.578, 49.632	Monroe J. Post and Delaphine Post, his wife	51	
61	2/16/1942	67	August L. Buchholz	57	
62	5/7/1942	9.327, 31.123, 19.27	Francis H. Lockwood and Cora P. Lockwood, his wife	58, 63	
63	8/7/1942	58.57	Jay H. Van Riper, et al.	62	
64	9/25/1941	12	E.P. Walker, et al.	63	
65	10/2/1941	48, 0.8, 1.2	First National Bank of Waterloo, a New York Corporation	57	

APPENDIX F
(Continued)

REPORT PARCEL	DATE TRANSFERRED	ACREAGE	OWNER	OWNERSHIP MAP REFERENCE[a]	COMMENTS
66	10/29/1941	67	Albert J. Covert and Bertha M. Covert, husband and wife	56	
67	8/22/1941	50	Laverna Deady, et al.	51	
68	11/13/1941	12.096, 47.028	Harry Guilfoos, Florence S. Guilfoos, his wife; Burgess Guilfoos, Myra D. Guilfoos, his wife and William Guilfoos and Jennie Guilfoos, his wife	53	
69	11/14/1941	100, 81	Peter Murphy and V. Mae Murphy, husband and wife	51, 52	
70	11/14/1941	37.001	Alida A. King and Flood S. King, her husband	52	
71	12/23/1941	2.17, 0.5, 0.5, 0.091	Floyd J. Russell and Maude Russell, his wife	66	
72	12/17/1943	8.946, 0.844	Emerson G. O'Connor as Commissioner of Public Welfare District, Waterloo, Seneca County	87	
73	11/21/1941	Unstated	Walter Howerth and Myra Howerth, his wife, and Warren Reeder and Katherine Reeder, his wife	74	
74	12/1/1941	85.05	Walter Howerth and Mary Howerth, his wife	74	
75	12/1/1941	26	Daniel A. Johnson and Margaret M. Johnson, his wife	87	
76	11/29/1941	1.3	The First Baptist Church of Romulus, a New York corporation	67	

APPENDIX F
(Continued)

REPORT PARCEL	DATE TRANSFERRED	ACREAGE	OWNER	OWNERSHIP MAP REFERENCE*	COMMENTS
77	7/28/1941	175.50	Ellen A. Garnett, et al.	130, 131, 131a	
78	11/22/1941	106.25	Charles E. and Margaret M. Kaufman, husband and wife	75	
79	11/22/1941	82.15	Earl Bogardus and Ora Bogardus, his wife	67	
80	11/21/1941	100	Warren Reeder and Katherine Reeder, his wife	74	
81	11/21/1941	1.537	Francis C. Hinman and Leona E. Hinman, his wife	75	
82	11/14/1941	70	Clayton H. Ernsberger and Martha B. Ernsberger, his wife	67	
83	11/14/1941	0.833	Homer W. Burritt and Ruth E. Burritt, also known as Ruth S. Burritt, his wife	67	
84	11/14/1941	136.75	Doc E. Budman, widower	74	
85	11/14/1941	117, 0.866	Haratio D. Burritt, widower	67	
86	11/14/1941	100.41	Charles J. Baldridge and Mary K. Baldridge, his wife	67	
87	11/14/1941	50	Clifford A. Fingar and Cora B. Fingar, his wife	81	
88	10/30/1941	100	Claudius C. Cole, widower and Charles E. Kaufman and Margaret M. Kaufman, his wife	68	
89	10/30/1941	49, 0.37	Leonard D. Moses and Dorothy Moses, his wife	68	
90	10/29/1941	14, 11	Harry J. Williams and Grace D.	67	

APPENDIX F
(Continued)

REPORT PARCEL	DATE TRANSFERRED	ACREAGE	OWNER	OWNERSHIP MAP REFERENCE[a]	COMMENTS
			Williams, his wife		
91	10/29/1941	Unstated	Robert E. Sheridan and Mary A. Sheridan, husband and wife	67	
92	10/29/1941	Unstated	Benjamin Franklin Gates and Anna E. Gates, husband and wife	67	
93	8/11/1941	232.21	J. Wallace Coryell, et al.	74, 75	
94	9/4/1941	175.50	Clinton L. Garnett, individually and as Administrator of the Estate of Millard F. Garnett, deceased	Unknown	
95	9/4/1941	175.50	Eleen A. Garnett	130, 131, 131a	
96	10/7/1941	10, 0.16	J. Wallace Coryell and M. Alice Coryell, his wife	74	
97	12/29/1942	23.18	Peter McCarl	79, 80	
98	4/10/1942	122.3	Clement B. Cole and Elizabeth G. Cole, his wife, and Claudius C. Cole and Jennie M. Cole, his wife	66	
99	11/29/1941	12, 103	Charles J. Baldridge and Mary K. Baldridge, his wife	74, 80	
100	12/8/1941	20.58	Joseph Bruce, unmarried	80	
101	12/8/1941	11	Frank J. Marsh, widower	80	
102	12/9/1941	93, 10	Mary B. Baldridge, widow	74, 75	
103	12/8/1941	24	Wilbert Leroy Gates and Virginia M. Gates, his wife	66	
104	11/26/1941	19.371/2	Julia E. Litchfield and Frank W. Litchfield, her husband	68	

APPENDIX F
(Continued)

REPORT PARCEL	DATE TRANSFERRED	ACREAGE	OWNER	OWNERSHIP MAP REFERENCE*	COMMENTS
105	12/15/1941	167.76, 20	Clare M. Rundell and Mary L. Rundell, husband and wife	68, 74	
106	12/16/1941	2	Jennie E. Osford, widow	66	
107	12/16/1941	22	Erik Alexander Yougberg and Helena Alexandera Yougberg, his wife	87	
108	12/15/1941	1	Mont Troutman, Clara T. Bonard and her husband George, Maude T. Russell and F.J. Russell, her husband, Zadie T. Yakley and Reuben, her husband, John Troutman and Emma, his wife and Mary and Bert T. Young, husband and wife	87	
109	12/16/1941	1	Earl Bogardus and Ora Bogardus, his wife	66	
110	12/23/1941	0.45	Thomas J. Bogardus and Bernice Bogardus, his wife	66	
111	12/3/1941	20, 2.83, 1.75	Richard Voight and Mildred R. Voight	66	
112	12/23/1941	10	Emerson G. O'Connor	81	
113	12/23/1941	5	James G. Crane and Susie Crane, his wife	66	
114	11/21/1941	59	Issac W. Williams, widower	66	
115	12/23/1941	93.66	Clarence E. Gates and Myrtle Gates, his wife	66	

APPENDIX F
(Continued)

REPORT PARCEL	DATE TRANSFERRED	ACREAGE	OWNER	OWNERSHIP MAP REFERENCE[a]	COMMENTS
116	1/2/1942	182.06	Veronica Maher, individually and as Executrix of the Estate of John Maher, deceased	81, 82	
118	1/2/1942	60, 78.16	John McGinnis and Mary E. McGinnis, his wife	81, 88, 89	
119	1/2/1942	22.201, 5.989	Albert L. Conkling and Thusa B. Conkling, husband and wife	79	
120	1/2/1942	88.02	Seneca Falls Savings Bank	67	
121	1/2/1942	102.14	The First National Bank of Ovid	81	
122	1/2/1942	57.25, 11.561	Minnie J. Bogardus widow, and Alvah Bogardus, unmarried	66	
123	1/2/1942	103.363	Thomas Kokot and Josephine, his wife	75, 76	
124	1/14/1942	54	Jesse Y. Covert and Nora, his wife	89	
125	1/14/1942	4.74	John Troutman and Emma Troutman, his wife	75	
126	1/14/1942	65	Ella Sturges, unmarried	74, 80	
127	1/14/1942	40.07	Thomas Sturges, unmarried and Ella Sturges, unmarried	81	
128	1/14/1942	140	Raymond B. Wells and Henrietta E. Wells, his wife	80, 87	
129	1/14/1942	160.95	Willis W. Blaine, unmarried	88, 89	
130	1/14/1942	38.254	Emma Bolles, widow, and Albert Bolles	68	
131	1/14/1942	3	Mary C. Harrington, widow	87	
132	1/14/1942	57.99, 53.055	Margaret Fitzgerald	82	
133	1/14/1942	20.39, 3.5	Anna L. Carey, widow	75	

APPENDIX F
(Continued)

REPORT PARCEL	DATE TRANSFERRED	ACREAGE	OWNER	OWNERSHIP MAP REFERENCE[a]	COMMENTS
134	1/14/1942	65.099, 55.991, 65.37	Vance Crane and Nellie R. Crane, his wife, and Ella Everett, unmarried	82	
135	1/22/1942	11.8	M. Alice Coryell, Julia E. Litchfield, Dean R. Fillingham, George Fillingham and Glenn Fillngham, Helen F. Carter, Emily Cornzve, Alice Lewis and Frances S. Fillingham	81	
136	1/22/1942	109.03	Anna C. Williams	68	
137	1/22/1942	3.25, 29.25	Walter S. Carmer and Emma Carmer, his wife	88	
138	1/22/1942	2	Fannie Louise Walker	66	
139	1/29/1942	115.1	Leon B. Godley and Eva M. Godley, his wife	81	
140	1/29/1942	47.244, 52.506	Charles Dunlap, widower	88	
141	1/22/1942	6.798	Paul P. Kinne and Dorothy W. Kinne, his wife	88	
142	2/18/1942	34.50, 11	Roy Doane and Daisy Doane, his wife	88	
143	2/18/1942	12.13, 14, 23.64, 6.54	Stella Jurewicz and Joseph Jurewicz, her husband	75	
144	1/14/1942	48.78, 51.79, 2	Charles C. Carson and Florence C. Carson, his wife	80	
145	1/14/1942	100.54	Doc E. Budman, widower	74	
146	2/16/1942	84.09	Clarence N. Freligh, and Lois H. Freligh, his wife	87	
147	3/12/1942	232.21	J. Wallace Coryell, et al.	75, 81, 87	

APPENDIX F
(Continued)

REPORT PARCEL	DATE TRANSFERRED	ACREAGE	OWNER	OWNERSHIP MAP REFERENCE[a]	COMMENTS
148	4/1/1942	5.27	Marion E. Crane and Martha B. Crane, his wife	66	
149	4/1/1942	51.45	John B. Trainor and Cecelia Keenan Trainor, his wife	76, 82	
150	4/1/1942	.013	Percy B. Smith and Pauline Smith, his wife	66	
151	4/1/1942	0.067	Anna Hamilton, widow	66	
152	4/2/1942	73	Joseph McElroy and Nora K. McElroy, his wife, and Anna M. McElroy, widow	81	
153	3/13/1942	18	Maude E. Secor and Clifford R. Secor	139	
154	4/20/1942	171.447	Elizabeth Alleman and Marion Alleman	64	
155	5/7/1942	2.261	R. Augusta Hagerty, widow	64	
156	2/24/1942	4	Albert J. Covert and Bertha M. Covert, his wife, Lena E. Garrison, Ida G. Van Nostrand, widow, Alice M. Crane and Chester Crane, her husband, Thusa B. Conkling and Albert L. Conkling, her husband, Leslie A. Covert and Hazel O. Covert, his wife all the heirs to the Last Will and Testament of Horatio J. Covert, deceased	67	

APPENDIX F
(Continued)

REPORT PARCEL	DATE TRANSFERRED	ACREAGE	OWNER	OWNERSHIP MAP REFERENCE*	COMMENTS
157	5/27/1942	102.87, 11.84, 8	Daniel W. Brown as agent for the stockholders of Romulus National Bank, Romulus, NY	80, 81	
158	4/2/1942	55	Charles A. Freligh, an infant and J. Seward Bodine, his Special Guardian	80	
159	5/27/1942	55	Cora E. Freligh, widow and Frances E. Freligh, unmarried, with Charles A. Freligh, an infant, heirs of Charles A. Freligh, deceased	80	
160	5/27/1942	256.89, 61.635, 136.65	Winfield A. Smith, unmarried	72, 73, 74	
161	7/15/1942	7.243 except 0.365	Leslie D. Marquart and Lida Marquart, his wife	64	
162	7/15/1942	.486	Maurice M. Crane and Daisie M. Crane, his wife	64	
163	4/2/1942	83.21 (except 6.06, 6.06), 40	George F. Kirkmire and Marie Kirkmire, his wife	75	
164	7/9/1942	Unstated	First Baptist Church of Romulus, an Incorporated Religious Association of the State of New York, and The Cemetery Association of The First Baptist Church and Society of Romulus, a Membership corporation of NY	66	

APPENDIX F
(Continued)

REPORT PARCEL	DATE TRANSFERRED	ACREAGE	OWNER	OWNERSHIP MAP REFERENCE[a]	COMMENTS
165	6/12/1942	50, 5.5, 2.5, 2	John G. Secor and Maude E. Secor, his wife	75, 81	
166	5/14/1942	10, 11	Harry Quinn and Helen Quinn, his wife	87	

Note:

[a]Source: Project Map, Seneca Army Depot, Romulus, New York.

ENVIRONMENTAL DATABASE, INC.
7061 S. University Blvd. • Suite 300
Littleton, Colorado 80122
(303) 794-8389 • 1-800-982-4627 • Fax (800) 615-0049

Chain Of Title Document Review

Project Number: E9518BZ

Installation: Seneca Army Depot
Seneca County, NY

Report To: Kate Power 2/01/96

From: Paul Lehnertz
Environmental Database, Inc.

Enclosed please find the Chain Of Title report for the Seneca Army Depot installation.

Paul Lehnertz

ENVIRONMENTAL TITLE SERVICES, INC.

401 EUCLID AVENUE, SUITE 445
CLEVELAND, OHIO 44114-2402

PHONE: (216) 696-5554 FAX: (216) 861-3433

RE: SENECA ARMY DEPOT, SENECA COUNTY, NEW YORK
SUBJECT PROPERTY ADDRESS

NO: 4082

LIABILITY: $5,000.00

ENVIRONMENTAL TITLE SERVICES, INC.

A OHIO CORPORATION, HEREIN CALLED ("ETS"),
SUBJECT TO THE TERMS AND CONDITIONS OF THE AGREEMENT
FOR THIS ENVIRONMENTAL TITLE ™ HISTORY

REPORTS TO

ENVIRONMENTAL DATABASE, INC.

CLIENT

THAT ACCORDING TO ETS' REVIEW OF THE DESIGNATED DOCUMENTS REGARDING THE SUBJECT PROPERTY AS REQUESTED BY THE CLIENT IN THE AGREEMENT, ONLY THOSE MATTERS SET FORTH IN THE ANNEXED INVENTORY TO WIT DESCRIBING THE SUBJECT PROPERTY, WERE FOUND AND ARE HEREIN LISTED.

THIS ENVIRONMENTAL TITLE ™ HISTORY REPORT IS NOT VALID AND ETS SHALL HAVE NO LIABILITY THEREUNDER UNLESS THE APPLICATION, OR A COPY THEREOF, IS ATTACHED HERETO.

DATE: JANUARY 31, 1996 BY: _____
SIGNATURE

ENVIRONMENTAL TITLE SERVICES, INC.

401 EUCLID AVENUE, SUITE 445
CLEVELAND, OHIO 44114

PHONE: (216) 696-5554 FAX: (216) 861-3433

ENVIRONMENTAL TITLE ™ HISTORY REPORT NO. 4082

SEARCH TYPE

X GRANTEE/GRANTOR INDEX SEARCH (LIMITED IN SCOPE).

___ FULL DOCUMENT ABSTRACTION AND REVIEW OF DESIGNATED DOCUMENTS.

___ POTENTIALLY RESPONSIBLE PARTY INVESTIGATION..

ETS HEREBY REPORTS:

THAT, ACCORDING TO ETS' TITLE PLANT RECORDS AND/OR THOSE RECORDS MAINTAINED BY COUNTY RECORDER KNOWN AS THE GRANTEE/GRANTOR INDICES FROM AUGUST 8, 1941 TO JANUARY 30, 1996 AND ACCORDING TO SUCH OTHER PUBLICLY AVAILABLE RECORDS OF WHICH INQUIRY HAS BEEN MADE UPON REQUEST IN THE APPLICATION THEREFOR, RELATIVE TO THE SUBJECT PROPERTY AS DESCRIBED BELOW (BUT WITHOUT EXAMINATION OF THOSE COMPANY TITLE PLANT RECORDS MAINTAINED AND INDEXED BY NAME), THOSE MATTERS SET FORTH IN THE ANNEXED INVENTORY TO WIT DESCRIBING THE SUBJECT PROPERTY WERE FOUND AND HEREIN LISTED.

DESCRIPTION: SEE EXHIBIT "A"

SEE CONTINUATION PAGES FOR INVENTORY ITEMS

	Dated	Filed	Vol./Pg.
1) The United States of America took title from:	The Trustees of First Baptist Cemetery Association and Society of Romulus, NY, by Declaration of Taking:		
	10/20/1941	10/23/1941	183/164
	-3.25a (acres)		
2) The United States of America took title from:	Chester Phillips, Frank S. Williams and Carrie Isabelle Williams, his wife, by Declaration of Taking:		
	8/4/1941	8/8/1941	183/27
	-310.82a		
3) The United States of America took title from:	First National Bank of Waterloo, Chester Phillips, Marline Phillips and John Sutton by Declaration of Taking:		
	8/4/1941	8/8/1941	183/24
	-199a		
4) The United States of America took title from:	Violet Yates, et al., by Declaration of Taking:		
	3/6/1942	3/9/1942	184/372
	-221.75a		
5) The United States of America took title from:	Clement B. Cole, et al. by Declaration of Taking:		
	1/19/1942	1/22/1942	184/248
	-242.56a		

	Dated	Filed	Vol./Pg.

6) The United States of America took title from:

Trustees of School District No. 19, Varick, NY, by Declaration of Taking:
12/17/1941 12/22/1941 184/190

7) The United States of America took title from:

Lehigh Valley Railroad by Declaration of Taking:
4/21/1943 6/1/1942 185/492,
-Consisting of 5 parcels as 3,126 sf (square feet), 128.33 sf, 0.552 of an acre, 0.228 of an acre, 139.28 sf.

8)The United States of America took title from:

Chester Phillips, et al, by Declaration of Taking:
8/4/1941 8/8/1941 183/27
-Consisting of 67, 0.5, 89, 122.32 and 243.82 acre parcels.

9) The United States of America took title from:

Albert A. Van Riper and Catherine G. Van Riper; Frank Dullmeyer and Frances, his wife, by Deed:
11/22/1941 12/1/1941 184/135
-Containing a 52, 32.68, 0.90 and 0.90 acre parcels.

10)The United States of America took title from:

John B. Lisk and Edith S. Lisk, his wife, by Deed:
12/1/1941 12/1/1941 184/134
-67.31a

	Dated	Filed	Vol./Pg.
11)The United States of America took title from:	George G. Ehle, widower, by Deed:		
	12/1/1041	12/1/1941	184/132
	-85a		
12)The United States of America took title from:	Libby Laskowske, widow, by Deed:		
	12/1/1941	12/1/1941	184/131
	-68.14a		
13)The United States of America took title from:	Myrtle C. Moses, and Charles F. Moses, her husband, by Deed:		
	11/29/1941	11/29/1941	184/129
	-.5a		
14)The United States of America took title from:	Jay H. Van Riper and Pear M. Van Riper, his wife by Deed:		
	11/29/1941	11/29/1941	184/128
	-66.59a		
15)The United States of America took title from:	Albert Collins, by Deed:		
	11/29/1941	11/29/1941	184/127
	-40a		
16)The United States of America took title from:	Wilson Grant Hunt Buckhollz and Esther G. Buchholz, his wife, by Deed:		
	10/30/1941	11/29/1941	184/122
	-67a		

	Dated	Filed	Vol./Pg.
17)The United States of America took title from:	Adelbert Abner Thompson and Martha B. Thompson, his wife, by Deed:		
	11/21/1941	11/22/1941	184/118
	-50a		
18)The United States of America took title from:	Anna May McGrane, S. Agnes McGrane, Gordon McGrane, unmarried and Charles McGrane, married, by Deed:		
	11/21/1941	11/21/1941	184/115
	-100a		
19)The United States of America took title from:	Anna M. McGrane and Gordon McGrane, Executors of the last Will and Testament of Margaret McGrane, by Deed:		
	11/21/1941	11/21/1941	184/113
	-100a		
20)The United States of America took title from:	John E. McGrane Executor of John McGrane, deceased, by Deed:		
	11/15/1941	11/15/1941	184/111
	-150a		
21)The United States of America took title from:	Clara E. Cook, widow and Anna E. McKnight, unmarried, by Deed:		
	11/15/1941	11/15/1941	184/110
	-100a		

	Dated	Filed	Vol./Pg.
22)The United States of America took title from:	Emma C. Hogan and William E. Hogan, her husband by Deed: 11/14/1941 -131.54a	11/14/1941	184/106
23)The United States of America took title from:	Chester W. Phillips and Ina Phillips, his wife, by Deed: 11/22/1941 -67a	12/9/1941	182/202
24)The United States of America took title from:	Marick Wesleyan Methodist Church, et al., by Declaration of Taking: 11/28/1941 -Containing 2 separate 1 acre parcels.	12/5/1941	184/139
25)The United States of America took title from:	Chester W. Phillips an Ina M. Phillip, his wife, and Merline C. Phillips and Virginia M. Phillips, his wife, by Deed: 11/22/1941 -33a and 50a parcels	12/5/1941	184/141
26)The United States of America took title from:	Paul and Sadie E. Olsowske, husband and wife, by Deed: 12/8/1941 -109.93a	12/8/1941	184/145

	Dated	Filed	Vol./Pg.
27)The United States of America took title from:	Scott Briggs and Margaret L. Briggs, his wife, by Deed: 12/8/1941 -4.5a	12/8/1941	184/150
28)The United States of America took title from:	Martha B. Crane, married, by Deed: 12/8/1941 -35a	12/8/1941	184/151,
29)The United States of America took title from:	Lillian I. Everett, married, by Deed: 12/8/1941 -50a	12/8/1941	184/152
30)The United States of America took title from:	Walter B. Keefer and Georgia Keefer, his wife, by Deed: 12/8/1941 -75a and 150a parcels.	12/8/1941	184/153
31)The United States of America took title from:	Henry J .Hoster, executor of the Albert J .Kreutter Will, by Deed: 12/9/19411 -50a	12/10/1941	184/158

	Dated	Filed	Vol./Pg.
32)The United States of America took title from:	Barton L Van Riper and Emily L. Van Riper, his wife, by Deed:		
	12/9/1941	12/9/1941	184/160
	-3.20a		
33)The United States of America took title from:	John T. White and Elizabeth Loretta White, his wife, by Deed:		
	12/9/1941	12/9/1941	184/161
	-50a		
34)The United States of America took title from:	Burt B. Van Riper and Ella S. Van Riper, his wife, by Deed:		
	12/9/9141	12/9/1941	184/162
	-65.222a and 43.04a parcels.		
35)The United States of America took title from:	Martha B. Thompson by Deed:		
	12/9/9141	12/9/1941	184/164
	-20a		
36)The United States of America took title from:	Albert Covert and Bertha M. Covert, his wife, by Deed:		
	12/15/1941	12/15/1941	184/170

	Dated	Filed	Vol./Pg.
37)The United States of America took title from:	Leah E. Thorpe and Harry E. Thorpe, her husband, by Deed: 12/15/1941 -97.27a	12/15/1941	184/172
38)The United States of America took title from:	William O'Marra and Frances Catharine O'Marra, by Deed: 12/15/1941 -2a	12/15/1941	184/173
39)The United States of America took title from:	Martin O'Marra and Mary E. O'Marra, his wife, by Deed: 12/15/1941 -17.108a and 31.759a parcels.	12/15/1941	184/174
40)The United States of America took title from:	Frank Komonek and Eva Komonek, his wife, by Deed: 12/15/1941 -21a	12/15/1941	184/175
41)The United States of America took title from:	Rosetta Campbell and John Campbell her husband, by Deed: 12/15/1941 -51a	12/15/1941	184/176
42)The United States of America took title from:	Fred C. Thorp and Bertha H. Thorp, his wife, by Deed: 12/15/1941 -101a	12/15/1941	184/177

	Dated	Filed	Vol./Pg.
43)The United States of America took title from:	Charles H. Jacobus and Laura M. Jacobus, his wife, by Deed:		
	12/16/1941	12/16/1941	184/178
	-65.95a		
44)The United States of America took title from:	John B. Lisk, Edith S. Lisk, his wife and Charles W. Lisk, widower, by Deed:		
	12/9/1941	12/16/1941	184/180
	-57.71a		
45)The United States of America took title from:	Edith S. Lisk and John B. Lisk, her husband, by Deed:		
	12/9/1941	12/16/1941	184/182
	-89.17a		
46)The United States of America took title from:	Harry Pettit and Elizabeth Pettit by Deed:		
	12/16/1941	12/16/1941	184/188
	-25a		
47)The United States of America took title from:	Ernest N. Van Riper and Irene B. Van Riper, his wife, by Deed:		
	12/23/1941	12/33/1941	184/204
	-112.25a		

	Dated	Filed	Vol./Pg.
48)The United States of America took title from:	J. Oren Somerville and Mary G. Sommerville, his wife, by Deed:		
	12/23/1941	12/23/1941	184/206
	-2a		
49)The United States of America took title from:	Emma S. Bolles, widow, by Deed:		
	12/23/1941	12/23/1941	184/207
	-76a		
50)The United States of America took title from:	Charles J. Baldridge and Mary K. Baldridge, his wife by Deed:		
	11/29/1941	1/2/1942	184/217
	-Two parcels totaling 51.55 acres.		
51)The United States of America took title from:	Thomas W. Osborne, unmarried, by Deed:		
	1/2/1942	1/2/1942	184/222
	-12.142a		
52) The United States of America took title from:	Monroe Jacob Post and Dellaphine Post, his wife, by Deed:		
	1/14/1942	1/15/1942	184/238
	-46.242a		
53)The United States of America took title from:	The Seneca Savings Bank by Deed:		
	1/14/1942	1/15/1942	184/241
	-84.28a		

	Dated	Filed	Vol./Pg.
54)The United States of America took title from:	C. Edward Montford and Emily Cutler Montford, his wife, by Deed:		
	1/22/1942	1/22/1942	184/252
	-89.74a		
55)The United States of America took title from:	Harold M. Robbins and Gladys I. Robbins, his wife, by Deed:		
	1/29/1942	1/29/1942	184/267
	-127.9a		
56)The United States of America took title from:	Richard Montgomery Seeley and Clara B. Seeley, his wife, by Deed:		
	1/29/1942	1/29/1942	184/271
	-145 and 34.98 acre parcels.		
57)The United States of America took title from:	Wilson G. H. Buchholz, Esther G. Buckholz, his wife, and August L. Buchholz, widower, by Deed:		
	1/30/1942	1/30/1942	184/273
	-166.08 and 26.85 acre parcels		
58)The United States of America took title from:	John Dwire, et al, by Declaration of Taking:		
	3/9/1942	3/17/1942	184/379
	-8.805a		

	Dated	Filed	Vol./Pg.

59)The United States of America took title from:

John E. Deasy, et al, by Declaration of Taking:
8/11/1941 3/7/1942 184/381
-15, 64.35, 62.05, 135.03, 15, 64.35, 62.05, 134.69 acre parcels as well as a 1,500 square foot parcel.

60)The United States of America took title from:

Monroe J. Post and Delaphine Post, his wife, by Deed:
4/2/1942 4/2/1942 184/405
-137.578, 49.632 acre parcels.

61)The United States of America took title from:

August L. Buchholz by Deed;
2/16/1942 5/11/1942 184/423
-67a

62)The United States of America took title from:

Francis H. Lockwood and Cora P. Lockwood, his wife by Deed:
5/7/1942 5/27/1942 184/430
-9.327, 31.123 and 19.27 acre parcels.

63)The United States of America took title from:

Jay H. Van Riper, et al, by Declaration of Taking:
87/1942 8/12/1942 184/472
-10.69, 10.69, 20, 6, 10.69, 10.69, 10.69, 20, 6, 10.69 and 1/2 acre parcels.

64)The United States of America took title from:

E.P. Walker, et al by Declaration of Taking:
9/25/1941 10/2/1941 183/135
-12a

	Dated	Filed	Vol./Pg.
65)The United States of America took title from:	First National Bank of Waterloo, a new York corporation, by Deed:		
	10/2/1941	10/2/1941	183/138
	-48 and 80/100ths acres and 1 1/5th acre parcels		
66)The United States of America took title from:	Albert J. Covert and Bertha M. Covert, husband and wife, by Deed:		
	10/29/1941	10/29/1941	184/68
	-67a		
67)The United States of America took title from:	Laverna Deady, et al, by Declaration of Taking:		
	8/22/1941	8/22/1941	184/78
	-50a		
68)The United States of America took title from:	Harry Guilfoos, Florence S. Guilfoos, his wife; Burgess Guilfoos, Myra D. Guilfoos, his wife and William Guilfoos and Jennie Guilfoos, his wife, by Deed:		
	11/13/1941	11/14/1941	184/100
	-12.096 and 47.028 acre parcels.		
69)The United States of America took title from:	Peter Murphy and V. Mae Murphy, husband and wife, by Deed:		
	11/14/1941	11/14/1941	184/101
	-100 and 81 acre parcels.		

	Dated	Filed	Vol./Pg.
70)The United States of America took title from:	Alida A. King and Flood S. King, her husband, by Deed:		
	11/14/1941	11/14/1941	184/104
	-37.001a		
71)The United States of America took title from:	Floyd J. Russell and Maude Russell, his wife, by Deed;		
	12/23/1941	12/23/1941	184/198,
	-2.17, 1/2, 1/2, and 1/11 acre parcels.		
72)The United States of America took title from:	Emerson G. O'Connor as Commissioner of Public Welfare District, Waterloo, Seneca County by Deed:		
	12/17/1943	1/21/1944	186/241
	-8.946 and 0.844 acre parcels.		
73)The United States of America took title from:	Walter Howerth and Myra Howerth, his wife, and Warren Reeder and Katherine Reeder, his wife, by Deed:		
	11/21/1941	12/1/1941	184/137
	-Acreage unstated.		
74)The United States of America took title from:	Walter Howerth and Mary Howerth, his wife, by Deed:		
	12/1/1941	12/1/1941	184/133
	-85.05a		

	Dated	Filed	Vol./Pg.
75)The United States of America took title from:	Daniel A. Johnson and Margaret M. Johnson , his wife, by Deed: 12/1/1941 -26a	12/1/1941	184/130
76)The United States of America took title from:	The First Baptist Church of Romulus, a New York corporation, by Deed: 11/29/1941 -1.3a	11/29/1941	184/125
77)The United States of America took title from:	Ellen A. Garnett, et al, by Declaration of Taking: 7/28/1941 -175.50a	11/28/1941	184/123
78)The United States of America took title from:	Charles E. and Margaret M. Kaufman, husband and wife, by Deed: 11/22/1941 -106.25a	11/22/1941	184/120
79)The United States of America took title from:	Earl Bogardus and Ora Bogardus, his wife, by Deed: 11/22/1941 -82.15a	11/22/1941	184/119

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80)The United States of America took title from:	Warren Reeder and Katherine Reeder, his wife, by Deed:		
	11/21/1941 -100a	11/21/1941	184/117
81)The United States of America took title from:	Francis C. Hinman and Leona E. Hinman, his wife, by Deed:		
	11/21/1941 -1.537a	11/21/1941	184/116
82)The United States of America took title from:	Clayton H. Ernsberger and Martha B. Ernsberger, his wife, by Deed:		
	11/14/1941`` -70a	11/14/1941	184/109
83)The United States of America took title from:	Homer W. Burritt and Ruth E. Burritt, also known as Ruth S. Burritt, his wife, by Deed:		
	11/14/1941 -5/6th of an acre.	11/14/1941	184/107
84)The United States of America took title from:	Doc E. Budman, widower, by Deed:		
	11/14/1941 -136.75a	11/14/1941	184/108

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85)The United States of America took title from:	Haratio D. Burritt, widower, by Deed: 11/14/1941 -117 and 13/15 acres	11/14/1941	184/105
86)The United States of America took title from:	Charles J. Baldridge and Mary K. Baldridge, his wife, by Deed: 11/14/1941 -100.41a	11/14/1941	184/103,
87)The United States of America took title from:	Clifford A. Fingar and Cora B. Fingar, his wife, by Deed: 11/14/1941	11/14/1941	184/102
88)The United States of America took title from:	Claudius C. Cole, widower and Charles E. Kaufman and Margaret M. Kaufman, his wife, by Deed: 10/30/1941 -100a	10/30/1941	184/76
89)The United States of America took title from:	Leonard D. Moses and Dorothy Moses, his wife, by Deed: 10/30/1941 -49 and 37/100 acres.	10/30/1941	184/73

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90)The United States of America took title from:	Harry J. Williams and Grace D. Williams, his wife, by Deed:		
	10/29/1941	10/29/1941	184/40
	-14 and 11 acre parcels		
91)The United States of America took title from:	Robert E. Sheridan and Mary A. Sheridan, husband and wife, by Deed:		
	10/29/1941	10/29/1941	184/69
	-No acreage stated.		
92)The United States of America took title from:	Benjamin Franklin Gates and Anna E. Gates, husband and wife, by Deed:		
	10/29/1941	10/29/1941	184/67
	-No acreage stated.		
93)The United States of America took title from:	J. Wallace Coryell, et al., by Declaration of Taking:		
	8/11/1941	8/21/1941	183/55
	-10 acres and 29 rods, 6 6/100ths acres, 123.21, 18 5.50, 2.50, 60, 15.66, 80, 11, 10, and 21 acre parcels.		
94)The United States of America took title from:	Clinton L. Garnett, individually and as Administrator of the Estate of Millard F. Garnett, deceased, by Deed:		
	9/4/1941	9/8/1941	182/194
	-175.50a		
95)The United States of America took title from:	Eleen A. Garnett, by Deed:		
	9/4/1941	9/8/1941	182/193
	-175.50a		

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96)The United States of America took title from:	J. Wallace Coryell and M. Alice Coryell, his wife, by Deed:		
	10/7/1941	10/7/1941	182/133
	-10a and 28 rods.		
97)The United States of America took title from:	Peter McCarl by Deed:		
	12/29/1942	12/29/1942	182/592
	-23.18a		
98)The United States of America took title from:	Clement B. Cole and Elizabeth G. Cole, his wife, and Claudius C. Cole and Jennie M. Cole, his wife, by Quit Claim Deed:		
	4/10/1942	7/30/1942	185/15
	-122.3a		

Note - Subject property excepted the "Right of Way and Freight Yard of the Lehigh Valley Railroad Company" from the transaction.

99)The United States of America took title from:	Charles J. Baldridge and Mary K. Baldridge, his wife, by Deed :		
	11/29/1941	12/8/1941	184/147
	-12a and 103a parcels.		
100)The United States of America took title from:	Joseph Bruce, unmarried by Deed;		
	12/8/1941	12/8/1941	184/148
	-20.58a		

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101)The United States of America took title from:	Frank J. Marsh, widower, by Deed"		
	12/8/1941	12/8/1941	184/149
	-11a		
102)The United States of America took title from:	Mary B. Baldridge, widow by Deed:		
	12/9/1941	12/9/1941	184/163
	-93 and 10 acre parcels.		
103)The United States of America took title from:	Wilbert Leroy Gates and Virginia M. Gates his wife, by Deed:		
	12/8/1941	12/8/1941	184/165
	-24a		
104)The United States of America took title from:	Julia E. Litchfield and Frank W> Litchfield, her husband, by Deed:		
	11/26/1941	12/9/1941	184/166
	-19.371/2a		
105)The United States of America took title from:	Clare M. Rundell and Mary L. Rundell, husband and wife, by Deed:		
	12/15/1941	12/15/9141	184/171
	-167.76 and 20 acre parcels.		
106)The United States of America took title from:	Jennie E. Osford, widow, by Deed:		
	12/16/1941	12/16/1941	184/179
	-2a		

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107)The United States of America took title from:

Erik Alexander Yougberg and Helena Alexandera Yougberg, his wife, by Deed:
12/16/1941 12/16/1941 184/184

108) The United States of America took title from:

Mont Troutman, Clara T. Bonard and her husband George, Maude T. Russell and F.J. Russell, her husband, Zadie T. Yakley and Reuben, her husband, John Troutman and Emma, his wife and Mary and Bert T. Young , husband and wife, by Deed:
12/15/1941 12/16/1941 184/185
-1a

109)The United States of America took title from:

Earl Bogardus and Ora Bogardus, his wife, by Deed:
12/16/1941 12/16/1941 184/187
-1a

110)The United States of America took title from:

Thomas J. Bogardus and Bernice Bogardus, his wife, by Deed:
12/23/1941 12/23/1941 184/201
-.45a

111)The United States of America took title from:

Richard Voight and Mildred R. Voight by Deed:
12/3/1941 12/23/1941 184/200
-20, 2.83 and 1 3/4 acre parcels.

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112)The United States of America took title from:	Emerson G. O'Connor by Deed:		
	12/23/1941	12/23/1941	184/202
	-10a		
113)The United States of America took title from:	James G. Crane and Susie Crane, his wife, by Deed:		
	12/23/1941	12/23/1941	184/203
	-5a		
114)The United States of America took title from:	Issac W. Williams, widower, by Deed:		
	11/21/1941	12/23/1941	184/205
	-59a		
115)The United States of America took title from:	Clarence E. Gates and Myrtle Gates, his wife, by Deed:		
	12/23/1941	12/23/1941	184/208
	-93.66a		
116)The United States of America took title from:	Veronica Maher, individually and as Executrix of the Estate of John Maher, deceased, by Deed:		
	1/2/1942	1/2/1942	184/210
	-182.06a		
118)The United States of America took title from:	John McGinnis and Mary E. McGinnis, his wife, by Deed:		
	1/2/1942	1/2/1942	184/211
	-60 and 78.16 acre parcels.		

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119)The United States of America took title from:	Albert L. Conkling and Thusa B. Conkling, Husband and wife, by Deed: 1/2/1942 -22.201 and 5.989 acre parcels.	1/2/1942	184/212
120)The United States of America took title from:	Seneca Falls Savings Bank, by Deed: 1/2/1942 -88.02a	1/2/1942	184/214
121)The United States of America took title from:	The First National Bank of Ovid by Deed: 1/2/1942 -102.14a	1/2/1942	184/215
122)The United States of America took title from:	Minnie J. Bogardus widow, and Alvah Bogardus, unmarried by Deed: 1/2/1942 -57 1/4 and 11.561 acre parcels.	1/2/1942	184/219
123)The United States of America took title from:	Thomas Kokot and Josephine, his wife, by Deed: 1/2/1942 -103.363a	1/2/1942	184/221
124)The United States of America took title from:	Jesse Y. Covert and Nora, his wife, by Deed: 1/14/1942 -54a	1/14/1942	184/228

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125)The United States of America took title from:	John Troutman and Emma Troutman, his wife, by Deed:		
	1/14/1942	1/14/1942	184/229
	-4.74a		
126)The United States of America took title from:	Ella Sturges, unmarried by Deed:		
	1/14/1942	1/14/1942	184/232
	-65a		
127)The United States of America took title from:	Thomas Sturges, unmarried and Ella Sturges, unmarried, by Deed:		
	1/14/1942	1/14/1942	184/233
	-40.07a		
128)The United States of America took title from:	Raymond B. Wells and Henrietta E. Wells, his wife, by Deed:		
	1/14/1942	1/14/1942	184/234
	-140a		
129)The United States of America took title from:	Willis W. Blaine unmarried by Deed:		
	1/14/1942	1/14/1942	184/235
	-160.95a		
130)The United States of America took title from:	Emma Bolles, widow, and Albert Bolles, by Deed:		
	1/14/1942	1/14/1942	184/236
	-38.254a		

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131)The United States of America took title from:	Mary C. Harrington, widow, by Deed: 1/14/1942 -3a	1/14/1942	184/237
132)The United States of America took title from:	Margaret Fitzgerald, by Deed: 1/14/1942 -57.99a	1/14/1942	184/239
133)The United States of America took title from:	Anna L. Carey, widow, by Deed: 1/14/1942 -20.39 and 3.5 acre parcels.	1/14/1942	184/240
134)The United States of America took title from:	Vance Crane and Nellie R. Crane, his wife, and Ella Everett, unmarried by Deed: 1/14/1942 -65.099, 55.991 and 65.37 acre parcels.	1/14/1942	184/243
135)The United States of America took title from:	M. Alice Coryell, Julia E. Litchfield, Dean R. Fillingham, George Fillingham and Glenn Fillingham, Helen F. Carter, Emily Cornzve, Alice Lewis and Frances S. Fillingham by Deed: 1/22/1942 -11.8a	1/22/1942	184/253

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136)The United States of America took title from:	Anna C. Williams by Deed: 1/22/1942 -109.03a	1/22/1942	184/256
137)The United States of America took title from:	Walter S. Carmer and Emma Carmer, his wife, by Deed: 1/22/1942 -3.25 and 29.25 acre parcels	1/22/1942	184/257
138)The United States of America took title from:	Fannie Louise Walker by Deed: 1/22/1942 -2a	1/22/1942	184/259
139)The United States of America took title from:	Leon B. Godley and Eva M. Godley, his wife, by Deed: 1/29/1942 -115.1a	1/29/1942	184/268
140)The United States of America took title from:	Charles Dunlap, widower by Deed: 1/29/1942 -47.244 and 52.506 acre parcels	1/29/1942	184/269

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141)The United States of America took title from:	Paul P. Kinne and Dorothy W. Kinne, his wife, by Deed:		
	1/22/1942	1/30/194	184/275
	-6.798a		
142)The United States of America took title from:	Roy Doane and Daisy Doane, his wife, by Deed:		
	2/18/1942	2/18/1942	184/354
	-34.50 and 11 acre parcels.		
143)The United States of America took title from:	Stella Jurewicz and Joseph Jurewicz, her husband by Deed:		
	2/18/1942	2/18/1942	184/356
	-12.13, 14, 23.64 and 6.54 acre parcels.		
144)The United States of America took title from:	Charles C. Carson and Florence C. Carson, his wife, by Deed:		
	1/14/1942	1/18/1942	184/360
	-48.78, 51.79 and 2 acre parcels.		
145)The United States of America took title from:	Doc E. Budman, widower, by Deed:		
	1/14/1942	1/18/1942	184/363
	-100.54a		

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146)The United States of America took title from:	Clarence N. Freligh, and Lois H. Freligh, his wife, by Deed:		
	2/16/1942	2/16/1942	184/364
	-84.09a		
147)The United States of America took title from:	J. Wallace Coryell, et al, by Declaration of Taking:		
	3/12/1942	3/18/1942	184/383
	-50, 5.5, 2.5, 2, 10 and 21 acre parcels		
148)The United States of America took title from:	Marion E> Crane and Martha B. Crane, his wife, by Deed:		
	4/1/1942	4/1/1942	184/397
	-5.27a		
149)The United States of America took title from:	John B. Trainor and Cecelia Keenan Trainor, his wife, by Deed:		
	4/1/1942	4/1/1942	184/401
	-51.45a		
150)The United States of America took title from:	Percy B. Smith and Pauline Smith, his wife, by Deed:		
	4/1/1942	4/1/1942	184/402
	-.013a		

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151)The United States of America took title from:	Anna Hamilton, widow, by Deed:		
	4/1/1942	4/1/1942	184/403
	-73a		
152)The United States of America took title from:	Joseph McElroy and Nora K. McElroy, his wife, and Anna M. McElroy, widow, by Deed:		
	4/2/1942	4/2/1942	184/404
	-73a		
153)The United States of America took title from:	Maude E. Secor and Clifford R. Secor, by Deed:		
	3/13/1942	4/9/1942	184/409
	-18a		
154)The United States of America took title from:	Elizabeth Alleman and Marion Alleman by Deed:		
	4/20/1942	4/20/1942	184/412
	-171.447		
155)The United States of America took title from:	R. Augusta Hagerty, widow, by Deed:		
	5/7/1942	5/7/1942	184/420
	-2.261a		

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156)The United States of America took title from:	Albert J. Covert and Bertha M. Covert, his wife, Lena E. Garrison, Ida G. Van Nostrand, widow, Alice M. Crane and Chester Crane, her husband, Thusa B. Conkling and Albert L. Conkling, her husband , Leslie A. Covert and Hazel O. Covert, his wife all the heirs to the Last Will and Testament of Horatio J. Covert, deceased, by Deed:		
	2/24/1942	5/7/1942	184/421
	-4a		
157)The United States of America took title from:	Daniel W. Brown as agent for the stockholders of Romulus National Bank, Romulus, NY, by Deed:		
	5/27/1942	5/27/1942	184/428
	-102.87, 11.84 and 8 acre parcels.		
158)The United States of America took title from:	Charles A. Freligh, an infant and J. Seward Bodine, his Special Guardian,		
	4/2/1942	5/27/1942	184/434
	-55a		
159)The United States of America took title from:	Cora E. Freligh, widow and Frances E. Freligh, unmarried, with Charles A. Freligh, an infant, heirs of Charles A. Freligh, deceased, by Deed:		
	5/27/1942	5/27/1942	184/436
	-55a		
160)The United States of America took title from:	Winfield A. Smith, unmarried by Deed:		
	5/27/1942	5/27/1942	184/439
	-256.89, 61.635 and 136.65		

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161)The United States of America took title from:

Leslie D. Marquart and Lida Marquart, his wife, by Deed:
7/15/1942 7/15/1942 184/456
-7.243 and .365 acre parcels.

162)The United States of America took title from:

Maurice M. Crane and Daisie M. Crane, his wife, by Deed:
7/15/1942 7/15/1942 184/457
-.486a

163) The United States of America took title from:

George F. Kirkmire and Marie Kirkmire, his wife, by Deed:
4/2/1942 7/22/1942 184/459
-83 21/100ths, 6 6/100ths, 6 6/100ths and 40 acre parcels.

164)The United States of America took title from:

First Baptist Church of Romulus, an Incorporated Religious Association of the State of New York, and The Cemetery Association of The First Baptist Church an Society of Romulus, a Membership corporation of NY, by Quit Claim Deed:
7/9/1942 7/30/1942 184/467
-No stated acreage.

165)The United States of America took title from:

John G. Secor and Maude E. Secor, his wife, by Deed:
6/12/1942 8/4/1942 184/468
-50, 5.5, 2.5 and 2 acre parcels.

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166)The United States of America took title from:	Harry Quinn and Helen Quinn, his wife, by Deed:		
	5/14/1942	8/4/1942	184/470
	-10 and 11 acre parcels.		

APPENDIX G

NON-CERCLA ISSUES TABLES

Table G-1
POTENTIAL ASBESTOS HAZARDS AT SENECA ARMY DEPOT ACTIVITY

Building Number	Acreage	SQ FT	Asbestos Status	Asbestos Qualifier	EBS Source of Evidence
6	0.013934803	607	Asbestos Present (Survey), No Remediation	A	23
106	0.016528926	720	Asbestos Present (Survey), No Remediation	A	23
106	0.226698806	9875	Asbestos Present (Survey), No Remediation	A	23
106	0.010743802	468	Asbestos Present (Survey), No Remediation	A	23
113	0.378879706	16504	Asbestos Present (Survey), No Remediation	A	23
117	0.016988062	740	Asbestos Present (Survey), No Remediation	A	23
117	0.4390955	19127	Asbestos Present (Survey), No Remediation	A	23
120	0.009182736	400	Asbestos Present (Survey), No Remediation	A	23
122	0.282782369	12318	Asbestos Present (Survey), No Remediation	A	23
124	0.03597337	1567	Asbestos Present (Survey), No Remediation	A	23
135	0.115105601	5014	Asbestos Present (Survey), No Remediation	A	23
202	0.041460055	1806	Asbestos Present (Survey), No Remediation	A	23
203	0.045913682	2000	Asbestos Present (Survey), No Remediation	A	23
204	0.048989899	2134	Asbestos Present (Survey), No Remediation	A	23
205	0.045913682	2000	Asbestos Present (Survey), No Remediation	A	23
206	0.045913682	2000	Asbestos Present (Survey), No Remediation	A	23
207	0.045913682	2000	Asbestos Present (Survey), No Remediation	A	23
214	0.043526171	1896	Asbestos Present (Survey), No Remediation	A	23
215	0.041460055	1806	Asbestos Present (Survey), No Remediation	A	23
216	0.041460055	1806	Asbestos Present (Survey), No Remediation	A	23
217	0.045913682	2000	Asbestos Present (Survey), No Remediation	A	23
247	0.00137741	60	Asbestos Present (Survey), No Remediation	A	11
309	0.189187328	8241	Asbestos Present (Survey), No Remediation	A	23
311	0.266942149	11628	Asbestos Present (Survey), No Remediation	A	23
319	0.06584022	2868	Asbestos Present (Survey), No Remediation	A	23
334	0.688705234	30000	Asbestos Present (Survey), No Remediation	A	23
334	0.036065197	1571	Asbestos Present (Survey), No Remediation	A	23
353	0.037695133	1642	Asbestos Present (Survey), No Remediation	A	23
359	0.003443526	150	Asbestos Present (Survey), No Remediation	A	23
360	0.198806244	8660	Asbestos Present (Survey), No Remediation	A	23
366	0.021808999	950	Asbestos Present (Survey), No Remediation	A	23
606	0.078374656	3414	Asbestos Present (Survey), No Remediation	A	23
703	0.931404959	40572	Asbestos Present (Survey), No Remediation	A	23
704	0.714233242	31112	Asbestos Present (Survey), No Remediation	A	23
705A	0.08822314	3843	Asbestos Present (Survey), No Remediation	A	23
705	0.183562902	7996	Asbestos Present (Survey), No Remediation	A	23
708	0.714233242	31112	Asbestos Present (Survey), No Remediation	A	23
715	0.110009183	4792	Asbestos Present (Survey), No Remediation	A	23
720	0.098301194	4282	Asbestos Present (Survey), No Remediation	A	23
723	0.395064279	17209	Asbestos Present (Survey), No Remediation	A	23
723	0.136983471	5967	Asbestos Present (Survey), No Remediation	A	23
740	0.047842057	2084	Asbestos Present (Survey), No Remediation	A	23
740	0.055417815	2414	Asbestos Present (Survey), No Remediation	A	23
742	0.031955923	1392	Asbestos Present (Survey), No Remediation	A	23
742	0.011478421	500	Asbestos Present (Survey), No Remediation	A	23
800	0.029201102	1272	Asbestos Present (Survey), No Remediation	A	23
804	0.030624426	1334	Asbestos Present (Survey), No Remediation	A	23
806	0.091827365	4000	Asbestos Present (Survey), No Remediation	A	23
807	0.091827365	4000	Asbestos Present (Survey), No Remediation	A	23

Table G-1
(Continued)

Building Number	Acreage	SQ FT	Asbestos Status	Asbestos Qualifier	EBS Source of Evidence
814	0.082231405	3582	Asbestos Present (Survey), No Remediation	A	23
817	0.021671258	944	Asbestos Present (Survey), No Remediation	A	23
819	0.189784206	8267	Asbestos Present (Survey), No Remediation	A	23
2074	0.003627181	158	Asbestos Present (Survey), No Remediation	A	23
2076	0.124885216	5440	Asbestos Present (Survey), No Remediation	A	23
2078	0.172038567	7494	Asbestos Present (Survey), No Remediation	A	23
2079	0.044214876	1926	Asbestos Present (Survey), No Remediation	A	23
2085	0.037695133	1642	Asbestos Present (Survey), No Remediation	A	23
2106	0.013429752	585	Asbestos Present (Survey), No Remediation	A	23
2117	0.259320478	11296	Asbestos Present (Survey), No Remediation	A	23
2118	0.259320478	11296	Asbestos Present (Survey), No Remediation	A	23
2119	0.259320478	11296	Asbestos Present (Survey), No Remediation	A	23
2120	0.259320478	11296	Asbestos Present (Survey), No Remediation	A	23
2121	0.259320478	11296	Asbestos Present (Survey), No Remediation	A	23
2122	0.259320478	11296	Asbestos Present (Survey), No Remediation	A	23
2123	0.259320478	11296	Asbestos Present (Survey), No Remediation	A	23
2124	0.259320478	11296	Asbestos Present (Survey), No Remediation	A	23
2207	0.081841139	3565	Asbestos Present (Survey), No Remediation	A	23
2305	0.128305785	5589	Asbestos Present (Survey), No Remediation	A	23
2434	0.003305785	144	Asbestos Present (Survey), No Remediation	A	23
2401	0.061983471	2700	Asbestos Present (Survey), No Remediation	A	23
2403	0.042378329	1846	Asbestos Present (Survey), No Remediation	A	23
2404	0.050137741	2184	Asbestos Present (Survey), No Remediation	A	23
2406	0.050596878	2204	Asbestos Present (Survey), No Remediation	A	23
2408	0.094191919	4103	Asbestos Present (Survey), No Remediation	A	23
2412	0.024494949	1067	Asbestos Present (Survey), No Remediation	A	23
2414	0.045179063	1968	Asbestos Present (Survey), No Remediation	A	23
2415	0.023852158	1039	Asbestos Present (Survey), No Remediation	A	23
2418	0.017906336	780	Asbestos Present (Survey), No Remediation	A	23
2419	0.029889807	1302	Asbestos Present (Survey), No Remediation	A	23
2421	0.040426997	1761	Asbestos Present (Survey), No Remediation	A	23
2423	0.030371901	1323	Asbestos Present (Survey), No Remediation	A	23
2425	0.027961433	1218	Asbestos Present (Survey), No Remediation	A	23
2426	0.022222222	968	Asbestos Present (Survey), No Remediation	A	23
2427	0.02100551	915	Asbestos Present (Survey), No Remediation	A	23
2429	0.023415978	1020	Asbestos Present (Survey), No Remediation	A	23
2432	0.034205693	1490	Asbestos Present (Survey), No Remediation	A	23
2437	0.041666667	1815	Asbestos Present (Survey), No Remediation	A	23
2438	0.026629936	1160	Asbestos Present (Survey), No Remediation	A	23
2441	0.023553719	1026	Asbestos Present (Survey), No Remediation	A	23
2443	0.028420569	1238	Asbestos Present (Survey), No Remediation	A	23
2446	0.026538108	1156	Asbestos Present (Survey), No Remediation	A	23
2448	0.029063361	1266	Asbestos Present (Survey), No Remediation	A	23
2450	0.023553719	1026	Asbestos Present (Survey), No Remediation	A	23
2452	0.026767677	1166	Asbestos Present (Survey), No Remediation	A	23
2453	0.030601469	1333	Asbestos Present (Survey), No Remediation	A	23
2466	0.007300275	318	Asbestos Present (Survey), No Remediation	A	23
200-A	0.03503214	1526	Asbestos Present (Survey), No Remediation	A	23
200-B	0.03503214	1526	Asbestos Present (Survey), No Remediation	A	23

Table G-1
(Continued)

Building Number	Acreage	SQ FT	Asbestos Status	Asbestos Qualifier	EBS Source of Evidence
201-A	0.03503214	1526	Asbestos Present (Survey), No Remediation	A	23
201-B	0.03503214	1526	Asbestos Present (Survey), No Remediation	A	23
208-A	0.058735078	2559	Asbestos Present (Survey), No Remediation	A	23
208-B	0.058735078	2559	Asbestos Present (Survey), No Remediation	A	23
209-A	0.058735078	2559	Asbestos Present (Survey), No Remediation	A	23
209-B	0.058735078	2559	Asbestos Present (Survey), No Remediation	A	23
210-A	0.040174472	1750	Asbestos Present (Survey), No Remediation	A	23
210-B	0.040174472	1750	Asbestos Present (Survey), No Remediation	A	23
211-A	0.036730946	1600	Asbestos Present (Survey), No Remediation	A	23
211-B	0.036730946	1600	Asbestos Present (Survey), No Remediation	A	23
213-A	0.036730946	1600	Asbestos Present (Survey), No Remediation	A	23
213-B	0.036730946	1600	Asbestos Present (Survey), No Remediation	A	23
218-A	0.036730946	1600	Asbestos Present (Survey), No Remediation	A	23
218-B	0.036730946	1600	Asbestos Present (Survey), No Remediation	A	23
219-A	0.040174472	1750	Asbestos Present (Survey), No Remediation	A	23
221-A	0.036730946	1600	Asbestos Present (Survey), No Remediation	A	23
221-B	0.036730946	1600	Asbestos Present (Survey), No Remediation	A	23
222-A	0.040174472	1750	Asbestos Present (Survey), No Remediation	A	23
222-B	0.040174472	1750	Asbestos Present (Survey), No Remediation	A	23
223-A	0.036730946	1600	Asbestos Present (Survey), No Remediation	A	23
223-B	0.036730946	1600	Asbestos Present (Survey), No Remediation	A	23
224-A	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
224-C	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
225-C	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
225-D	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
226-A	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
226-B	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
226-C	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
226-D	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
227-A	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
227-B	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
227-C	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
227-D	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
228-A	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
228-B	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
228-C	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
228-D	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
229-A	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
229-C	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
230-B	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
230-C	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
230-D	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
231-A	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
231-D	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
232-A	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
232-B	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
232-C	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
232-D	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
233-B	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23

Table G-1
(Continued)

Building Number	Acreage	SQ FT	Asbestos Status	Asbestos Qualifier	EBS Source of Evidence
233-C	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
234-A	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
234-B	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
234-C	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
234-D	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
235-B	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
235-C	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
235-D	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
236-A	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
236-B	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
236-C	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
236-D	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
237-A	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
237-B	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
237-C	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
238-A	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
238-B	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
238-C	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
238-D	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
239-B	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
239-C	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
239-D	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
240-A	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
240-B	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
240-C	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
240-D	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
241-A	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
241-B	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
241-C	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
241-D	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
242-A	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
242-B	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
242-C	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
242-D	0.030291552	1320	Asbestos Present (Survey), No Remediation	A	23
243-A	0.033964646	1480	Asbestos Present (Survey), No Remediation	A	23
243-B	0.033964646	1480	Asbestos Present (Survey), No Remediation	A	23
243-C	0.033964646	1480	Asbestos Present (Survey), No Remediation	A	23
243-D	0.033964646	1480	Asbestos Present (Survey), No Remediation	A	23
244-C	0.033964646	1480	Asbestos Present (Survey), No Remediation	A	23
245-A	0.033964646	1480	Asbestos Present (Survey), No Remediation	A	23
369/607	0.009917355	432	Asbestos Present (Survey), No Remediation	A	23
101	0.339118457	14772	Asbestos Present (Survey), Partially Remediated	A	23
103	0.041322314	1800	Asbestos Present (Survey), Partially Remediated	A	23
103	0.223278237	9726	Asbestos Present (Survey), Partially Remediated	A	23
125	0.097796143	4260	Asbestos Present (Survey), Partially Remediated	A	23
323	1.595500459	69500	Asbestos Present (Survey), Partially Remediated	A	23
323	0.470615243	20500	Asbestos Present (Survey), Partially Remediated	A	23
609	0.015886134	692	Asbestos Present (Survey), Partially Remediated	A	23
701	0.327823691	14280	Asbestos Present (Survey), Partially Remediated	A	23

Table G-1
(Continued)

Building Number	Acreage	SQ FT	Asbestos Status	Asbestos Qualifier	EBS Source of Evidence
702	0.022956841	1000	Asbestos Present (Survey), Partially Remediated	A	23
702	0.025252525	1100	Asbestos Present (Survey), Partially Remediated	A	23
702	0.031703398	1381	Asbestos Present (Survey), Partially Remediated	A	23
702	0.037396694	1629	Asbestos Present (Survey), Partially Remediated	A	23
702	0.302295684	13168	Asbestos Present (Survey), Partially Remediated	A	23
729	0.106060606	4620	Asbestos Present (Survey), Partially Remediated	A	23
810	0.871740129	37973	Asbestos Present (Survey), Partially Remediated	A	23
812	0.245316804	10686	Asbestos Present (Survey), Partially Remediated	A	23
2077	0.012970615	565	Asbestos Present (Survey), Partially Remediated	A	23
2084	0.125803489	5480	Asbestos Present (Survey), Partially Remediated	A	23
2104	0.029843893	1300	Asbestos Present (Survey), Partially Remediated	A	23
2410	0.086019284	3747	Asbestos Present (Survey), Partially Remediated	A	23
2411	0.058195592	2535	Asbestos Present (Survey), Partially Remediated	A	23
S142	0.235353535	10252	Asbestos Present (Survey), Partially Remediated	A	23
T2458	0	?	Asbestos Present (Survey), Partially Remediated	A	23
1	0.005876951	256	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
137	0.004247016	185	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
145	0.012809917	558	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
307	0.045913682	2000	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
320	0.374196511	16300	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
324	0.018916437	824	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
325	2.066115702	90000	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
326	2.066115702	90000	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
327	2.066115702	90000	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
328	2.066115702	90000	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
329	2.066115702	90000	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
330	2.066115702	90000	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
331	2.066115702	90000	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
332	2.066115702	90000	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
333	2.066115702	90000	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
335	0.087855831	3827	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
339	2.066115702	90000	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
340	2.066115702	90000	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
341	2.066115702	90000	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
342	2.066115702	90000	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
343	2.066115702	90000	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
345	2.066115702	90000	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
346	2.066115702	90000	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
347	2.066115702	90000	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
348	2.066115702	90000	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
349	2.066115702	90000	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
350	2.066115702	90000	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
356	4.663567493	203145	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
357	4.663567493	203145	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
360	0.023507805	1024	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
363	0.002203857	96	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
373	0.024150597	1052	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
823	0.001584022	69	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
1593	0.003305785	144	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
2086	0.017493113	762	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
2202	0.003305785	144	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
2407	0.013682277	596	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22

Table G-1
(Continued)

Building Number	Acreage	SQ FT	Asbestos Status	Asbestos Qualifier	EBS Source of Evidence
2439	0.008126722	354	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
2445	0.021120294	920	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
2470	0.011478421	500	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
2471	0.011478421	500	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
2472	0.011478421	500	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
2474	0.016528926	720	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
2475	0.015151515	660	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
2476	0.016528926	720	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
2477	0.017630854	768	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
2478	0.016528926	720	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
2480	0.015151515	660	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
2481	0.016528926	720	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
2482	0.017906336	780	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
2484	0.017630854	768	Asbestos Possible (Built Before 1985), No Remediation	A(P)	22
104	0.010606061	462	Asbestos Possible (Survey), No Remediation	A(P)	23
709	0.000344353	15	Asbestos Possible (Survey), No Remediation	A(P)	23
801	0.000344353	15	Asbestos Possible (Survey), No Remediation	A(P)	23
14		473	Asbestos Not Present (Built After 1984)	None	22
107		160	Asbestos Not Present (Built After 1984)	None	22
146		9000	Asbestos Not Present (Built After 1984)	None	22
147		4072	Asbestos Not Present (Built After 1984)	None	22
371		2245	Asbestos Not Present (Built After 1984)	None	22
372		5600	Asbestos Not Present (Built After 1984)	None	22
374		2100	Asbestos Not Present (Built After 1984)	None	22
375		216	Asbestos Not Present (Built After 1984)	None	22
376		6000	Asbestos Not Present (Built After 1984)	None	22
711		86	Asbestos Not Present (Built after 1984)	None	22
753		35	Asbestos Not Present (Built After 1984)	None	22
754		138	Asbestos Not Present (Built After 1984)	None	22
755		900	Asbestos Not Present (Built After 1984)	None	22
1594		3000	Asbestos Not Present (Built After 1984)	None	22
2109		?	Asbestos Not Present (Built After 1984)	None	22
2113		192	Asbestos Not Present (Built After 1984)	None	22
2114		800	Asbestos Not Present (Built After 1984)	None	22
2134		6000	Asbestos Not Present (Built After 1984)	None	22
2135		3600	Asbestos Not Present (Built After 1984)	None	22
2312		2401	Asbestos Not Present (Built After 1984)	None	22
2314		286	Asbestos Not Present (Built After 1984)	None	22
2315		5100	Asbestos Not Present (Built After 1984)	None	22
2316		?	Asbestos Not Present (Built After 1984)	None	22
2491		1976	Asbestos Not Present (Built After 1984)	None	22
2492		1976	Asbestos Not Present (Built After 1984)	None	22
2493		2096	Asbestos Not Present (Built After 1984)	None	22
2494		1976	Asbestos Not Present (Built After 1984)	None	22
2495		1976	Asbestos Not Present (Built After 1984)	None	22
2496		2096	Asbestos Not Present (Built After 1984)	None	22
2497		2096	Asbestos Not Present (Built After 1984)	None	22
2498		1976	Asbestos Not Present (Built After 1984)	None	22
2499		1976	Asbestos Not Present (Built After 1984)	None	22
2500		1976	Asbestos Not Present (Built After 1984)	None	22

Table G-1
(Continued)

Building Number	Acreage	SQ FT	Asbestos Status	Asbestos Qualifier	EBS Source of Evidence
2501		1976	Asbestos Not Present (Built After 1984)	None	22
2502		2096	Asbestos Not Present (Built After 1984)	None	22
2504		1976	Asbestos Not Present (Built After 1984)	None	22
2505		2380	Asbestos Not Present (Built After 1984)	None	22
2507		2288	Asbestos Not Present (Built After 1984)	None	22
2508		2380	Asbestos Not Present (Built After 1984)	None	22
2509		2288	Asbestos Not Present (Built After 1984)	None	22
2510		2380	Asbestos Not Present (Built After 1984)	None	22
2511		2288	Asbestos Not Present (Built After 1984)	None	22
2512		2288	Asbestos Not Present (Built After 1984)	None	22
2513		2288	Asbestos Not Present (Built After 1984)	None	22
2514		2288	Asbestos Not Present (Built After 1984)	None	22
2515		2288	Asbestos Not Present (Built After 1984)	None	22
2516		2380	Asbestos Not Present (Built After 1984)	None	22
2517		2380	Asbestos Not Present (Built After 1984)	None	22
2518		2380	Asbestos Not Present (Built After 1984)	None	22
2519		2288	Asbestos Not Present (Built After 1984)	None	22
2520		2380	Asbestos Not Present (Built After 1984)	None	22
2521		2288	Asbestos Not Present (Built After 1984)	None	22
2523		2288	Asbestos Not Present (Built After 1984)	None	22
2524		980	Asbestos Not Present (Built After 1984)	None	22
2525		980	Asbestos Not Present (Built After 1984)	None	22
110A		100	Asbestos Not Present (Built After 1984)	None	22
2479		924	Asbestos Not Present (Built After 1984)	None	22
2483		924	Asbestos Not Present (Built After 1984)	None	22
2486		891	Asbestos Not Present (Built After 1984)	None	22
2487		891	Asbestos Not Present (Built After 1984)	None	22
2488		891	Asbestos Not Present (Built After 1984)	None	22
2489		891	Asbestos Not Present (Built After 1984)	None	22
2490		891	Asbestos Not Present (Built After 1984)	None	22
2132		100	Asbestos Not Present (Igloo)	None	22
2133		100	Asbestos Not Present (Igloo)	None	22
A0101-102		2442	Asbestos Not Present (Igloo)	None	22
A0201, 203, 205, 207, 209, 211, 213, 215, 217		21789	Asbestos Not Present (Igloo)	None	22
A0202, 204, 206, 208, 210, 212, 214, 216, 218		16344	Asbestos Not Present (Igloo)	None	22
A0301, 303, 305, 307, 309, 311, 313, 315, 317		16344	Asbestos Not Present (Igloo)	None	22
A0302, 304, 306, 308, 310, 312, 314, 316		19368	Asbestos Not Present (Igloo)	None	22
A0401-409		16344	Asbestos Not Present (Igloo)	None	22
A0501-508		14528	Asbestos Not Present (Igloo)	None	22
A0601-610		18160	Asbestos Not Present (Igloo)	None	22
A0702-711		19976	Asbestos Not Present (Igloo)	None	22
A0801-811		19976	Asbestos Not Present (Igloo)	None	22

Table G-1
(Continued)

Building Number	Acreage	SQ FT	Asbestos Status	Asbestos Qualifier	EBS Source of Evidence
A0901-910		18160	Asbestos Not Present (Igloo)	None	22
A1001-A1012		21792	Asbestos Not Present (Igloo)	None	22
A1101-A1111		19976	Asbestos Not Present (Igloo)	None	22
B0101-B0112		21792	Asbestos Not Present (Igloo)	None	22
B0201-B0211		19976	Asbestos Not Present (Igloo)	None	22
B0301-B0311		19976	Asbestos Not Present (Igloo)	None	22
B0401-B0411		19976	Asbestos Not Present (Igloo)	None	22
B0501-B0511		19976	Asbestos Not Present (Igloo)	None	22
B0601-B0611		19976	Asbestos Not Present (Igloo)	None	22
B0701-B0711		19976	Asbestos Not Present (Igloo)	None	22
B0801-B0811		19976	Asbestos Not Present (Igloo)	None	22
B0901-B0911		19976	Asbestos Not Present (Igloo)	None	22
C0101-C0111		19976	Asbestos Not Present (Igloo)	None	22
C0201-C0211		19976	Asbestos Not Present (Igloo)	None	22
C0301-C0311		19976	Asbestos Not Present (Igloo)	None	22
C0401-C0412		21792	Asbestos Not Present (Igloo)	None	22
C0501-C0513		23608	Asbestos Not Present (Igloo)	None	22
C0601-C0611		19976	Asbestos Not Present (Igloo)	None	22
C0701-C0709		16344	Asbestos Not Present (Igloo)	None	22
C0801-C0809		16344	Asbestos Not Present (Igloo)	None	22
C0901-C0913		23608	Asbestos Not Present (Igloo)	None	22
D0101-D0113		23608	Asbestos Not Present (Igloo)	None	22
D0201-D0212		21792	Asbestos Not Present (Igloo)	None	22
D0301-D0313		23608	Asbestos Not Present (Igloo)	None	22
D0401-D013		23608	Asbestos Not Present (Igloo)	None	22
D0501-D0513		23608	Asbestos Not Present (Igloo)	None	22
D0601-D0612		21792	Asbestos Not Present (Igloo)	None	22
D0701-D0712		21792	Asbestos Not Present (Igloo)	None	22
D0801-D0812		21792	Asbestos Not Present (Igloo)	None	22
E0101-E0114		33726	Asbestos Not Present (Igloo)	None	22
E0201-E0214		33726	Asbestos Not Present (Igloo)	None	22
E0301-E0313		31317	Asbestos Not Present (Igloo)	None	22
E0401-E0413		31317	Asbestos Not Present (Igloo)	None	22
E0501-E0513		31317	Asbestos Not Present (Igloo)	None	22
E0601-E0611		26499	Asbestos Not Present (Igloo)	None	22
E0701-E0711		26499	Asbestos Not Present (Igloo)	None	22
E0801-E0811		26499	Asbestos Not Present (Igloo)	None	22
4		540	Asbestos Not Present (Survey)	None	23
9		824	Asbestos Not Present (Survey)	None	23
12		824	Asbestos Not Present (Survey)	None	23
102		428	Asbestos Not Present (Survey)	None	23
110		120	Asbestos Not Present (Survey)	None	23
114		12065	Asbestos Not Present (Survey)	None	23
116		3634	Asbestos Not Present (Survey)	None	23
116		9388	Asbestos Not Present (Survey)	None	23
116		445	Asbestos Not Present (Survey)	None	23
118		18928	Asbestos Not Present (Survey)	None	23
119		3205	Asbestos Not Present (Survey)	None	23
123		3205	Asbestos Not Present (Survey)	None	23

Table G-1
(Continued)

Building Number	Acreage	SQ FT	Asbestos Status	Asbestos Qualifier	EBS Source of Evidence
126		3220	Asbestos Not Present (Survey)	None	23
128		120	Asbestos Not Present (Survey)	None	23
130		214	Asbestos Not Present (Survey)	None	23
131		2400	Asbestos Not Present (Survey)	None	23
136		960	Asbestos Not Present (Survey)	None	23
138		1500	Asbestos Not Present (Survey)	None	23
143		36	Asbestos Not Present (Survey)	None	23
301		824	Asbestos Not Present (Survey)	None	23
304		824	Asbestos Not Present (Survey)	None	23
306		5413	Asbestos Not Present (Survey)	None	23
308		531	Asbestos Not Present (Survey)	None	23
310		840	Asbestos Not Present (Survey)	None	23
312		12000	Asbestos Not Present (Survey)	None	23
313		150	Asbestos Not Present (Survey)	None	23
314		439	Asbestos Not Present (Survey)	None	23
321		8400	Asbestos Not Present (Survey)	None	23
321		3600	Asbestos Not Present (Survey)	None	23
322		256	Asbestos Not Present (Survey)	None	23
367		3640	Asbestos Not Present (Survey)	None	23
608		350	Asbestos Not Present (Survey)	None	23
610		513	Asbestos Not Present (Survey)	None	23
611		400	Asbestos Not Present (Survey)	None	23
S-714		7633	Asbestos Not Present (Survey)	None	23
716		144	Asbestos Not Present (Survey)	None	23
719		374	Asbestos Not Present (Survey)	None	23
721		177	Asbestos Not Present (Survey)	None	23
725		177	Asbestos Not Present (Survey)	None	23
726		967	Asbestos Not Present (Survey)	None	23
727		1320	Asbestos Not Present (Survey)	None	23
728		177	Asbestos Not Present (Survey)	None	23
731		6874	Asbestos Not Present (Survey)	None	23
733		530	Asbestos Not Present (Survey)	None	23
744		18079	Asbestos Not Present (Survey)	None	23
746		4239	Asbestos Not Present (Survey)	None	23
747		8700	Asbestos Not Present (Survey)	None	23
748		13675	Asbestos Not Present (Survey)	None	23
749		848	Asbestos Not Present (Survey)	None	23
750		2407	Asbestos Not Present (Survey)	None	23
751		5013	Asbestos Not Present (Survey)	None	23
752		6596	Asbestos Not Present (Survey)	None	23
802		5206	Asbestos Not Present (Survey)	None	23
803		2803	Asbestos Not Present (Survey)	None	23
805		440	Asbestos Not Present (Survey)	None	23
809		177	Asbestos Not Present (Survey)	None	23
813		4348	Asbestos Not Present (Survey)	None	23
824		3899	Asbestos Not Present (Survey)	None	23
825		4000	Asbestos Not Present (Survey)	None	23
827		149	Asbestos Not Present (Survey)	None	23
1495		36	Asbestos Not Present (Survey)	None	23

Table G-1
(Continued)

Building Number	Acreage	SQ FT	Asbestos Status	Asbestos Qualifier	EBS Source of Evidence
2073		3683	Asbestos Not Present (Survey)	None	23
2075		120	Asbestos Not Present (Survey)	None	23
2105		21448	Asbestos Not Present (Survey)	None	23
2107		64	Asbestos Not Present (Survey)	None	23
2110		21448	Asbestos Not Present (Survey)	None	23
2126		824	Asbestos Not Present (Survey)	None	23
2129		824	Asbestos Not Present (Survey)	None	23
2131		230	Asbestos Not Present (Survey)	None	23
2200		824	Asbestos Not Present (Survey)	None	23
2204		824	Asbestos Not Present (Survey)	None	23
2301		1022	Asbestos Not Present (Survey)	None	23
2302		1022	Asbestos Not Present (Survey)	None	23
2304		2184	Asbestos Not Present (Survey)	None	23
2310		144	Asbestos Not Present (Survey)	None	23
2311		192	Asbestos Not Present (Survey)	None	23
2402		625	Asbestos Not Present (Survey)	None	23
2405		625	Asbestos Not Present (Survey)	None	23
2409		720	Asbestos Not Present (Survey)	None	23
2413		418	Asbestos Not Present (Survey)	None	23
2416		344	Asbestos Not Present (Survey)	None	23
2417		400	Asbestos Not Present (Survey)	None	23
2420		251	Asbestos Not Present (Survey)	None	23
2424		600	Asbestos Not Present (Survey)	None	23
2428		333	Asbestos Not Present (Survey)	None	23
2430		289	Asbestos Not Present (Survey)	None	23
2431		339	Asbestos Not Present (Survey)	None	23
2433		400	Asbestos Not Present (Survey)	None	23
2436		229	Asbestos Not Present (Survey)	None	23
2444		493	Asbestos Not Present (Survey)	None	23
2447		372	Asbestos Not Present (Survey)	None	23
2449		502	Asbestos Not Present (Survey)	None	23
2451		580	Asbestos Not Present (Survey)	None	23
2454		264	Asbestos Not Present (Survey)	None	23
2455		80	Asbestos Not Present (Survey)	None	23
2456		800	Asbestos Not Present (Survey)	None	23
2473		780	Asbestos Not Present (Survey)	None	23
2485		1576	Asbestos Not Present (Survey)	None	23
S-361		1684	Asbestos Not Present (Survey)	None	23
T-370		200	Asbestos Not Present (Survey)	None	23
T355		4992	Asbestos Not Present (Survey)	None	23
5		11754	Asbestos Present (Survey), Fully Remediated	None	23
7		11754	Asbestos Present (Survey), Fully Remediated	None	23
115		14154	Asbestos Present (Survey), Fully Remediated	None	23
121		3250	Asbestos Present (Survey), Fully Remediated	None	23
127		6157	Asbestos Present (Survey), Fully Remediated	None	23
316		18615	Asbestos Present (Survey), Fully Remediated	None	23
317		26429	Asbestos Present (Survey), Fully Remediated	None	23
318		18615	Asbestos Present (Survey), Fully Remediated	None	23
612		18393	Asbestos Present (Survey), Fully Remediated	None	23

Table G-1
(Continued)

Building Number	Acreage	SQ FT	Asbestos Status	Asbestos Qualifier	EBS Source of Evidence
706		3705	Asbestos Present (Survey), Fully Remediated	None	23
707		11552	Asbestos Present (Survey), Fully Remediated	None	23
707		7372	Asbestos Present (Survey), Fully Remediated	None	23
710		3280	Asbestos Present (Survey), Fully Remediated	None	23
718		3224	Asbestos Present (Survey), Fully Remediated	None	23
722		4700	Asbestos Present (Survey), Fully Remediated	None	23
724		540	Asbestos Present (Survey), Fully Remediated	None	23
724		8460	Asbestos Present (Survey), Fully Remediated	None	23
732		3584	Asbestos Present (Survey), Fully Remediated	None	23
815		11072	Asbestos Present (Survey), Fully Remediated	None	23
816		15373	Asbestos Present (Survey), Fully Remediated	None	23
2306		8774	Asbestos Present (Survey), Fully Remediated	None	23
212-A		1750	Asbestos Present (Survey), Fully Remediated	None	23
212-B		1750	Asbestos Present (Survey), Fully Remediated	None	23
219-B		1750	Asbestos Present (Survey), Fully Remediated	None	23
224-B		1320	Asbestos Present (Survey), Fully Remediated	None	23
224-D		1320	Asbestos Present (Survey), Fully Remediated	None	23
225-A		1320	Asbestos Present (Survey), Fully Remediated	None	23
225-B		1320	Asbestos Present (Survey), Fully Remediated	None	23
229-B		1320	Asbestos Present (Survey), Fully Remediated	None	23
229-D		1320	Asbestos Present (Survey), Fully Remediated	None	23
230-A		1320	Asbestos Present (Survey), Fully Remediated	None	23
231-B		1320	Asbestos Present (Survey), Fully Remediated	None	23
231-C		1320	Asbestos Present (Survey), Fully Remediated	None	23
233-A		1320	Asbestos Present (Survey), Fully Remediated	None	23
233-D		1320	Asbestos Present (Survey), Fully Remediated	None	23
235-A		1320	Asbestos Present (Survey), Fully Remediated	None	23
237-D		1320	Asbestos Present (Survey), Fully Remediated	None	23
239-A		1320	Asbestos Present (Survey), Fully Remediated	None	23
244-A		1480	Asbestos Present (Survey), Fully Remediated	None	23
244-B		1480	Asbestos Present (Survey), Fully Remediated	None	23
244-D		1480	Asbestos Present (Survey), Fully Remediated	None	23
245-B		1480	Asbestos Present (Survey), Fully Remediated	None	23
245-C		1480	Asbestos Present (Survey), Fully Remediated	None	23
245-D		1480	Asbestos Present (Survey), Fully Remediated	None	23

Table G-2
POTENTIAL LEAD-BASED PAINT HAZARDS AT SENECA ARMY DEPOT ACTIVITY

Building Number	Acreage	SQ FT	Designation	Comment	EBS Source of Evidence
1	0.005877	256	L(P)	Built Prior To 1978	22
4	0.0123967	540	L(P)	Built Prior To 1978	22
5	0.2698347	11754	L(P)	Built Prior To 1978	22
6	0.0139348	607	L(P)	Built Prior To 1978	22
7	0.2698347	11754	L(P)	Built Prior To 1978	22
9	0.0189164	824	L(P)	Built Prior To 1978	22
12	0.0189164	824	L(P)	Built Prior To 1978	22
101	0.3391185	14772	L(P)	Built Prior To 1978	22
102	0.0098255	428	L(P)	Built Prior To 1978	22
103	0.0413223	1800	L(P)	Built Prior To 1978	22
103	0.2232782	9726	L(P)	Built Prior To 1978	22
104	0.0106061	462	L(P)	Built Prior To 1978	22
106	0.0165289	720	L(P)	Built Prior To 1978	22
106	0.2266988	9875	L(P)	Built Prior To 1978	22
106	0.0107438	468	L(P)	Built Prior To 1978	22
110	0.0027548	120	L(P)	Built Prior To 1978	22
113	0.3788797	16504	L(P)	Built Prior To 1978	22
114	0.2769743	12065	L(P)	Built Prior To 1978	22
115	0.3249311	14154	L(P)	Built Prior To 1978	22
116	0.0834252	3634	L(P)	Built Prior To 1978	22
116	0.2155188	9388	L(P)	Built Prior To 1978	22
116	0.0102158	445	L(P)	Built Prior To 1978	22
117	0.0169881	740	L(P)	Built Prior To 1978	22
117	0.4390955	19127	L(P)	Built Prior To 1978	22
118	0.4345271	18928	L(P)	Built Prior To 1978	22
119	0.0735767	3205	L(P)	Built Prior To 1978	22
120	0.0091827	400	L(P)	Built Prior To 1978	22
121	0.0746097	3250	L(P)	Built Prior To 1978	22
122	0.2827824	12318	L(P)	Built Prior To 1978	22
123	0.0735767	3205	L(P)	Built Prior To 1978	22
124	0.0359734	1567	L(P)	Built Prior To 1978	22
125	0.0977961	4260	L(P)	Built Prior To 1978	22
127	0.1413453	6157	L(P)	Built Prior To 1978	22
131	0.0550964	2400	L(P)	Built Prior To 1978	22
135	0.1151056	5014	L(P)	Built Prior To 1978	22
143	0.0008264	36	L(P)	Built Prior To 1978	22
145	0.0128099	558	L(P)	Built Prior To 1978	22
202	0.0414601	1806	L(P)	Built Prior To 1978	22
203	0.0459137	2000	L(P)	Built Prior To 1978	22
204	0.0489899	2134	L(P)	Built Prior To 1978	22
205	0.0459137	2000	L(P)	Built Prior To 1978	22
206	0.0459137	2000	L(P)	Built Prior To 1978	22
207	0.0459137	2000	L(P)	Built Prior To 1978	22
214	0.0435262	1896	L(P)	Built Prior To 1978	22
215	0.0414601	1806	L(P)	Built Prior To 1978	22
216	0.0414601	1806	L(P)	Built Prior To 1978	22
217	0.0459137	2000	L(P)	Built Prior To 1978	22
301	0.0189164	824	L(P)	Built Prior To 1978	22
304	0.0189164	824	L(P)	Built Prior To 1978	22
306	0.1242654	5413	L(P)	Built Prior To 1978	22

Table G-2
(Continued)

Building Number	Acreage	SQ FT	Designation	Comment	EBS Source of Evidence
308	0.0121901	531	L(P)	Built Prior To 1978	22
309	0.1891873	8241	L(P)	Built Prior To 1978	22
310	0.0192837	840	L(P)	Built Prior To 1978	22
311	0.2669421	11628	L(P)	Built Prior To 1978	22
312	0.2754821	12000	L(P)	Built Prior To 1978	22
313	0.0034435	150	L(P)	Built Prior To 1978	22
314	0.0100781	439	L(P)	Built Prior To 1978	22
316	0.4273416	18615	L(P)	Built Prior To 1978	22
317	0.6067264	26429	L(P)	Built Prior To 1978	22
318	0.4273416	18615	L(P)	Built Prior To 1978	22
319	0.0658402	2868	L(P)	Built Prior To 1978	22
320	0.3741965	16300	L(P)	Built Prior To 1978	22
321	0.1928375	8400	L(P)	Built Prior To 1978	22
321	0.0826446	3600	L(P)	Built Prior To 1978	22
322	0.005877	256	L(P)	Built Prior To 1978	22
323	1.5955005	69500	L(P)	Built Prior To 1978	22
323	0.4706152	20500	L(P)	Built Prior To 1978	22
324	0.0189164	824	L(P)	Built Prior To 1978	22
325	2.0661157	90000	L(P)	Built Prior To 1978	22
326	2.0661157	90000	L(P)	Built Prior To 1978	22
327	2.0661157	90000	L(P)	Built Prior To 1978	22
328	2.0661157	90000	L(P)	Built Prior To 1978	22
329	2.0661157	90000	L(P)	Built Prior To 1978	22
330	2.0661157	90000	L(P)	Built Prior To 1978	22
331	2.0661157	90000	L(P)	Built Prior To 1978	22
332	2.0661157	90000	L(P)	Built Prior To 1978	22
333	2.0661157	90000	L(P)	Built Prior To 1978	22
334	0.6887052	30000	L(P)	Built Prior To 1978	22
334	0.0360652	1571	L(P)	Built Prior To 1978	22
335	0.0878558	3827	L(P)	Built Prior To 1978	22
339	2.0661157	90000	L(P)	Built Prior To 1978	22
340	2.0661157	90000	L(P)	Built Prior To 1978	22
341	2.0661157	90000	L(P)	Built Prior To 1978	22
342	2.0661157	90000	L(P)	Built Prior To 1978	22
343	2.0661157	90000	L(P)	Built Prior To 1978	22
345	2.0661157	90000	L(P)	Built Prior To 1978	22
346	2.0661157	90000	L(P)	Built Prior To 1978	22
347	2.0661157	90000	L(P)	Built Prior To 1978	22
348	2.0661157	90000	L(P)	Built Prior To 1978	22
349	2.0661157	90000	L(P)	Built Prior To 1978	22
350	2.0661157	90000	L(P)	Built Prior To 1978	22
353	0.0376951	1642	L(P)	Built Prior To 1978	22
356	4.6635675	203145	L(P)	Built Prior To 1978	22
357	4.6635675	203145	L(P)	Built Prior To 1978	22
359	0.0034435	150	L(P)	Built Prior To 1978	22
363	0.0022039	96	L(P)	Built Prior To 1978	22
366	0.021809	950	L(P)	Built Prior To 1978	22
367	0.0835629	3640	L(P)	Built Prior To 1978	22
373	0.0241506	1052	L(P)	Built Prior To 1978	22
606	0.0783747	3414	L(P)	Built Prior To 1978	22

Table G-2
(Continued)

Building Number	Acreage	SQ FT	Designation	Comment	EBS Source of Evidence
608	0.0080349	350	L(P)	Built Prior To 1978	22
609	0.0158861	692	L(P)	Built Prior To 1978	22
610	0.0117769	513	L(P)	Built Prior To 1978	22
611	0.0091827	400	L(P)	Built Prior To 1978	22
612	0.4222452	18393	L(P)	Built Prior To 1978	22
701	0.3278237	14280	L(P)	Built Prior To 1978	22
702	0.0229568	1000	L(P)	Built Prior To 1978	22
702	0.0252525	1100	L(P)	Built Prior To 1978	22
702	0.0317034	1381	L(P)	Built Prior To 1978	22
702	0.0373967	1629	L(P)	Built Prior To 1978	22
702	0.3022957	13168	L(P)	Built Prior To 1978	22
704	0.7142332	31112	L(P)	Built Prior To 1978	22
705A	0.0882231	3843	L(P)	Built Prior To 1978	22
705	0.1835629	7996	L(P)	Built Prior To 1978	22
706	0.0850551	3705	L(P)	Built Prior To 1978	22
707	0.2651974	11552	L(P)	Built Prior To 1978	22
707	0.1692378	7372	L(P)	Built Prior To 1978	22
708	0.7142332	31112	L(P)	Built Prior To 1978	22
709	0.0003444	15	L(P)	Built Prior To 1978	22
710	0.0752984	3280	L(P)	Built Prior To 1978	22
711	0.0019743	86	L(P)	Built Prior To 1978	22
S-714	0.1752296	7633	L(P)	Built Prior To 1978	22
715	0.1100092	4792	L(P)	Built Prior To 1978	22
716	0.0033058	144	L(P)	Built Prior To 1978	22
718	0.0740129	3224	L(P)	Built Prior To 1978	22
719	0.0085859	374	L(P)	Built Prior To 1978	22
720	0.0983012	4282	L(P)	Built Prior To 1978	22
721	0.0040634	177	L(P)	Built Prior To 1978	22
722	0.1078972	4700	L(P)	Built Prior To 1978	22
723	0.3950643	17209	L(P)	Built Prior To 1978	22
723	0.1369835	5967	L(P)	Built Prior To 1978	22
724	0.0123967	540	L(P)	Built Prior To 1978	22
724	0.1942149	8460	L(P)	Built Prior To 1978	22
725	0.0040634	177	L(P)	Built Prior To 1978	22
726	0.0221993	967	L(P)	Built Prior To 1978	22
727	0.030303	1320	L(P)	Built Prior To 1978	22
728	0.0040634	177	L(P)	Built Prior To 1978	22
729	0.1060606	4620	L(P)	Built Prior To 1978	22
731	0.1578053	6874	L(P)	Built Prior To 1978	22
732	0.0822773	3584	L(P)	Built Prior To 1978	22
733	0.0121671	530	L(P)	Built Prior To 1978	22
740	0.0478421	2084	L(P)	Built Prior To 1978	22
740	0.0554178	2414	L(P)	Built Prior To 1978	22
742	0.0319559	1392	L(P)	Built Prior To 1978	22
743	0.0114784	500	L(P)	Built Prior To 1978	22
801	0.0003444	15	L(P)	Built Prior To 1978	22
802	0.1195133	5206	L(P)	Built Prior To 1978	22
803	0.064348	2803	L(P)	Built Prior To 1978	22
804	0.0306244	1334	L(P)	Built Prior To 1978	22
805	0.010101	440	L(P)	Built Prior To 1978	22

Table G-2
(Continued)

Building Number	Acreage	SQ FT	Designation	Comment	EBS Source of Evidence
806	0.0918274	4000	L(P)	Built Prior To 1978	22
807	0.0918274	4000	L(P)	Built Prior To 1978	22
809	0.0040634	177	L(P)	Built Prior To 1978	22
810	0.8717401	37973	L(P)	Built Prior To 1978	22
812	0.2453168	10686	L(P)	Built Prior To 1978	22
813	0.0998163	4348	L(P)	Built Prior To 1978	22
814	0.0822314	3582	L(P)	Built Prior To 1978	22
815	0.2541781	11072	L(P)	Built Prior To 1978	22
816	0.3529155	15373	L(P)	Built Prior To 1978	22
817	0.0216713	944	L(P)	Built Prior To 1978	22
819	0.1897842	8267	L(P)	Built Prior To 1978	22
823	0.001584	69	L(P)	Built Prior To 1978	22
824	0.0895087	3899	L(P)	Built Prior To 1978	22
825	0.0918274	4000	L(P)	Built Prior To 1978	22
1495	0.0008264	36	L(P)	Built Prior To 1978	22
1593	0.0033058	144	L(P)	Built Prior To 1978	22
2073	0.08455	3683	L(P)	Built Prior To 1978	22
2074	0.0036272	158	L(P)	Built Prior To 1978	22
2075	0.0027548	120	L(P)	Built Prior To 1978	22
2076	0.1248852	5440	L(P)	Built Prior To 1978	22
2077	0.0129706	565	L(P)	Built Prior To 1978	22
2078	0.1720386	7494	L(P)	Built Prior To 1978	22
2079	0.0442149	1926	L(P)	Built Prior To 1978	22
2084	0.1258035	5480	L(P)	Built Prior To 1978	22
2085	0.0376951	1642	L(P)	Built Prior To 1978	22
2086	0.0174931	762	L(P)	Built Prior To 1978	22
2104	0.0298439	1300	L(P)	Built Prior To 1978	22
2105	0.4923783	21448	L(P)	Built Prior To 1978	22
2106	0.0134298	585	L(P)	Built Prior To 1978	22
2107	0.0014692	64	L(P)	Built Prior To 1978	22
2110	0.4923783	21448	L(P)	Built Prior To 1978	22
2113	0.0044077	192	L(P)	Built Prior To 1978	22
2117	0.2593205	11296	L(P)	Built Prior To 1978	22
2118	0.2593205	11296	L(P)	Built Prior To 1978	22
2119	0.2593205	11296	L(P)	Built Prior To 1978	22
2120	0.2593205	11296	L(P)	Built Prior To 1978	22
2121	0.2593205	11296	L(P)	Built Prior To 1978	22
2122	0.2593205	11296	L(P)	Built Prior To 1978	22
2123	0.2593205	11296	L(P)	Built Prior To 1978	22
2124	0.2593205	11296	L(P)	Built Prior To 1978	22
2126	0.0189164	824	L(P)	Built Prior To 1978	22
2129	0.0189164	824	L(P)	Built Prior To 1978	22
2131	0.0052801	230	L(P)	Built Prior To 1978	22
2200	0.0189164	824	L(P)	Built Prior To 1978	22
2202	0.0033058	144	L(P)	Built Prior To 1978	22
2204	0.0189164	824	L(P)	Built Prior To 1978	22
2207	0.0818411	3565	L(P)	Built Prior To 1978	22
2301	0.0234619	1022	L(P)	Built Prior To 1978	22
2302	0.0234619	1022	L(P)	Built Prior To 1978	22
2304	0.0501377	2184	L(P)	Built Prior To 1978	22

Table G-2
(Continued)

Building Number	Acreage	SQ FT	Designation	Comment	EBS Source of Evidence
2305	0.1283058	5589	L(P)	Built Prior To 1978	22
2306	0.2014233	8774	L(P)	Built Prior To 1978	22
2401	0.0619835	2700	L(P)	Built Prior To 1978	22
2402	0.014348	625	L(P)	Built Prior To 1978	22
2403	0.0423783	1846	L(P)	Built Prior To 1978	22
2404	0.0501377	2184	L(P)	Built Prior To 1978	22
2405	0.014348	625	L(P)	Built Prior To 1978	22
2406	0.0505969	2204	L(P)	Built Prior To 1978	22
2407	0.0136823	596	L(P)	Built Prior To 1978	22
2408	0.0941919	4103	L(P)	Built Prior To 1978	22
2409	0.0165289	720	L(P)	Built Prior To 1978	22
2410	0.0860193	3747	L(P)	Built Prior To 1978	22
2411	0.0581956	2535	L(P)	Built Prior To 1978	22
2412	0.0244949	1067	L(P)	Built Prior To 1978	22
2413	0.009596	418	L(P)	Built Prior To 1978	22
2414	0.0451791	1968	L(P)	Built Prior To 1978	22
2415	0.0238522	1039	L(P)	Built Prior To 1978	22
2416	0.0078972	344	L(P)	Built Prior To 1978	22
2417	0.0091827	400	L(P)	Built Prior To 1978	22
2418	0.0179063	780	L(P)	Built Prior To 1978	22
2419	0.0298898	1302	L(P)	Built Prior To 1978	22
2420	0.0057622	251	L(P)	Built Prior To 1978	22
2421	0.040427	1761	L(P)	Built Prior To 1978	22
2423	0.0303719	1323	L(P)	Built Prior To 1978	22
2424	0.0137741	600	L(P)	Built Prior To 1978	22
2425	0.0279614	1218	L(P)	Built Prior To 1978	22
2426	0.0222222	968	L(P)	Built Prior To 1978	22
2427	0.0210055	915	L(P)	Built Prior To 1978	22
2428	0.0076446	333	L(P)	Built Prior To 1978	22
2429	0.023416	1020	L(P)	Built Prior To 1978	22
2430	0.0066345	289	L(P)	Built Prior To 1978	22
2431	0.0077824	339	L(P)	Built Prior To 1978	22
2432	0.0342057	1490	L(P)	Built Prior To 1978	22
2433	0.0091827	400	L(P)	Built Prior To 1978	22
2436	0.0052571	229	L(P)	Built Prior To 1978	22
2437	0.0416667	1815	L(P)	Built Prior To 1978	22
2438	0.0266299	1160	L(P)	Built Prior To 1978	22
2439	0.0081267	354	L(P)	Built Prior To 1978	22
2441	0.0235537	1026	L(P)	Built Prior To 1978	22
2443	0.0284206	1238	L(P)	Built Prior To 1978	22
2444	0.0113177	493	L(P)	Built Prior To 1978	22
2446	0.0265381	1156	L(P)	Built Prior To 1978	22
2447	0.0085399	372	L(P)	Built Prior To 1978	22
2448	0.0290634	1266	L(P)	Built Prior To 1978	22
2449	0.0115243	502	L(P)	Built Prior To 1978	22
2450	0.0235537	1026	L(P)	Built Prior To 1978	22
2451	0.013315	580	L(P)	Built Prior To 1978	22
2452	0.0267677	1166	L(P)	Built Prior To 1978	22
2453	0.0306015	1333	L(P)	Built Prior To 1978	22
2454	0.0060606	264	L(P)	Built Prior To 1978	22

Table G-2
(Continued)

Building Number	Acreage	SQ FT	Designation	Comment	EBS Source of Evidence
2456	0.0183655	800	L(P)	Built Prior To 1978	22
2466	0.0073003	318	L(P)	Built Prior To 1978	22
2473	0.0179063	780	L(P)	Built Prior To 1978	22
200-A	0.0350321	1526	L(P)	Built Prior To 1978	22
200-B	0.0350321	1526	L(P)	Built Prior To 1978	22
201-A	0.0350321	1526	L(P)	Built Prior To 1978	22
201-B	0.0350321	1526	L(P)	Built Prior To 1978	22
208-A	0.0587351	2559	L(P)	Built Prior To 1978	22
208-B	0.0587351	2559	L(P)	Built Prior To 1978	22
209-A	0.0587351	2559	L(P)	Built Prior To 1978	22
209-B	0.0587351	2559	L(P)	Built Prior To 1978	22
210-A	0.0401745	1750	L(P)	Built Prior To 1978	22
210-B	0.0401745	1750	L(P)	Built Prior To 1978	22
211-A	0.0367309	1600	L(P)	Built Prior To 1978	22
211-B	0.0367309	1600	L(P)	Built Prior To 1978	22
212-A	0.0401745	1750	L(P)	Built Prior To 1978	22
212-B	0.0401745	1750	L(P)	Built Prior To 1978	22
213-A	0.0367309	1600	L(P)	Built Prior To 1978	22
213-B	0.0367309	1600	L(P)	Built Prior To 1978	22
218-A	0.0367309	1600	L(P)	Built Prior To 1978	22
218-B	0.0367309	1600	L(P)	Built Prior To 1978	22
219-A	0.0401745	1750	L(P)	Built Prior To 1978	22
219-B	0.0401745	1750	L(P)	Built Prior To 1978	22
221-A	0.0367309	1600	L(P)	Built Prior To 1978	22
221-B	0.0367309	1600	L(P)	Built Prior To 1978	22
222-A	0.0401745	1750	L(P)	Built Prior To 1978	22
222-B	0.0401745	1750	L(P)	Built Prior To 1978	22
223-A	0.0367309	1600	L(P)	Built Prior To 1978	22
223-B	0.0367309	1600	L(P)	Built Prior To 1978	22
224-A	0.0302916	1320	L(P)	Built Prior To 1978	22
224-B	0.0302916	1320	L(P)	Built Prior To 1978	22
224-C	0.0302916	1320	L(P)	Built Prior To 1978	22
224-D	0.0302916	1320	L(P)	Built Prior To 1978	22
225-A	0.0302916	1320	L(P)	Built Prior To 1978	22
225-B	0.0302916	1320	L(P)	Built Prior To 1978	22
225-C	0.0302916	1320	L(P)	Built Prior To 1978	22
225-D	0.0302916	1320	L(P)	Built Prior To 1978	22
226-A	0.0302916	1320	L(P)	Built Prior To 1978	22
226-B	0.0302916	1320	L(P)	Built Prior To 1978	22
226-C	0.0302916	1320	L(P)	Built Prior To 1978	22
226-D	0.0302916	1320	L(P)	Built Prior To 1978	22
227-A	0.0302916	1320	L(P)	Built Prior To 1978	22
227-B	0.0302916	1320	L(P)	Built Prior To 1978	22
227-C	0.0302916	1320	L(P)	Built Prior To 1978	22
227-D	0.0302916	1320	L(P)	Built Prior To 1978	22
228-A	0.0302916	1320	L(P)	Built Prior To 1978	22
228-B	0.0302916	1320	L(P)	Built Prior To 1978	22
228-C	0.0302916	1320	L(P)	Built Prior To 1978	22
228-D	0.0302916	1320	L(P)	Built Prior To 1978	22
229-A	0.0302916	1320	L(P)	Built Prior To 1978	22

Table G-2
(Continued)

Building Number	Acreage	SQ FT	Designation	Comment	EBS Source of Evidence
229-B	0.0302916	1320	L(P)	Built Prior To 1978	22
229-C	0.0302916	1320	L(P)	Built Prior To 1978	22
229-D	0.0302916	1320	L(P)	Built Prior To 1978	22
230-A	0.0302916	1320	L(P)	Built Prior To 1978	22
230-B	0.0302916	1320	L(P)	Built Prior To 1978	22
230-C	0.0302916	1320	L(P)	Built Prior To 1978	22
230-D	0.0302916	1320	L(P)	Built Prior To 1978	22
231-A	0.0302916	1320	L(P)	Built Prior To 1978	22
231-B	0.0302916	1320	L(P)	Built Prior To 1978	22
231-C	0.0302916	1320	L(P)	Built Prior To 1978	22
231-D	0.0302916	1320	L(P)	Built Prior To 1978	22
232-A	0.0302916	1320	L(P)	Built Prior To 1978	22
232-B	0.0302916	1320	L(P)	Built Prior To 1978	22
232-C	0.0302916	1320	L(P)	Built Prior To 1978	22
232-D	0.0302916	1320	L(P)	Built Prior To 1978	22
233-A	0.0302916	1320	L(P)	Built Prior To 1978	22
233-B	0.0302916	1320	L(P)	Built Prior To 1978	22
233-C	0.0302916	1320	L(P)	Built Prior To 1978	22
233-D	0.0302916	1320	L(P)	Built Prior To 1978	22
234-A	0.0302916	1320	L(P)	Built Prior To 1978	22
234-B	0.0302916	1320	L(P)	Built Prior To 1978	22
234-C	0.0302916	1320	L(P)	Built Prior To 1978	22
234-D	0.0302916	1320	L(P)	Built Prior To 1978	22
235-A	0.0302916	1320	L(P)	Built Prior To 1978	22
235-B	0.0302916	1320	L(P)	Built Prior To 1978	22
235-C	0.0302916	1320	L(P)	Built Prior To 1978	22
235-D	0.0302916	1320	L(P)	Built Prior To 1978	22
236-A	0.0302916	1320	L(P)	Built Prior To 1978	22
236-B	0.0302916	1320	L(P)	Built Prior To 1978	22
236-C	0.0302916	1320	L(P)	Built Prior To 1978	22
236-D	0.0302916	1320	L(P)	Built Prior To 1978	22
237-A	0.0302916	1320	L(P)	Built Prior To 1978	22
237-B	0.0302916	1320	L(P)	Built Prior To 1978	22
237-C	0.0302916	1320	L(P)	Built Prior To 1978	22
237-D	0.0302916	1320	L(P)	Built Prior To 1978	22
238-A	0.0302916	1320	L(P)	Built Prior To 1978	22
238-B	0.0302916	1320	L(P)	Built Prior To 1978	22
238-C	0.0302916	1320	L(P)	Built Prior To 1978	22
238-D	0.0302916	1320	L(P)	Built Prior To 1978	22
239-A	0.0302916	1320	L(P)	Built Prior To 1978	22
239-B	0.0302916	1320	L(P)	Built Prior To 1978	22
239-C	0.0302916	1320	L(P)	Built Prior To 1978	22
239-D	0.0302916	1320	L(P)	Built Prior To 1978	22
240-A	0.0302916	1320	L(P)	Built Prior To 1978	22
240-B	0.0302916	1320	L(P)	Built Prior To 1978	22
240-C	0.0302916	1320	L(P)	Built Prior To 1978	22
240-D	0.0302916	1320	L(P)	Built Prior To 1978	22
241-A	0.0302916	1320	L(P)	Built Prior To 1978	22
241-B	0.0302916	1320	L(P)	Built Prior To 1978	22
241-C	0.0302916	1320	L(P)	Built Prior To 1978	22

Table G-2
(Continued)

Building Number	Acreage	SQ FT	Designation	Comment	EBS Source of Evidence
241-D	0.0302916	1320	L(P)	Built Prior To 1978	22
242-A	0.0302916	1320	L(P)	Built Prior To 1978	22
242-B	0.0302916	1320	L(P)	Built Prior To 1978	22
242-C	0.0302916	1320	L(P)	Built Prior To 1978	22
242-D	0.0302916	1320	L(P)	Built Prior To 1978	22
243-A	0.0339646	1480	L(P)	Built Prior To 1978	22
243-B	0.0339646	1480	L(P)	Built Prior To 1978	22
243-C	0.0339646	1480	L(P)	Built Prior To 1978	22
243-D	0.0339646	1480	L(P)	Built Prior To 1978	22
244-A	0.0339646	1480	L(P)	Built Prior To 1978	22
244-B	0.0339646	1480	L(P)	Built Prior To 1978	22
244-C	0.0339646	1480	L(P)	Built Prior To 1978	22
244-D	0.0339646	1480	L(P)	Built Prior To 1978	22
245-A	0.0339646	1480	L(P)	Built Prior To 1978	22
245-B	0.0339646	1480	L(P)	Built Prior To 1978	22
245-C	0.0339646	1480	L(P)	Built Prior To 1978	22
245-D	0.0339646	1480	L(P)	Built Prior To 1978	22
2470	0.0114784	500	L(P)	Built Prior To 1978	22
2471	0.0114784	500	L(P)	Built Prior To 1978	22
2472	0.0114784	500	L(P)	Built Prior To 1978	22
2474	0.0165289	720	L(P)	Built Prior To 1978	22
2475	0.0151515	660	L(P)	Built Prior To 1978	22
2476	0.0165289	720	L(P)	Built Prior To 1978	22
2477	0.0176309	768	L(P)	Built Prior To 1978	22
2478	0.0165289	720	L(P)	Built Prior To 1978	22
2480	0.0151515	660	L(P)	Built Prior To 1978	22
2481	0.0165289	720	L(P)	Built Prior To 1978	22
2482	0.0179063	780	L(P)	Built Prior To 1978	22
2484	0.0176309	768	L(P)	Built Prior To 1978	22
369/607	0.0099174	432	L(P)	Built Prior To 1978	22
S-361	0.0386593	1684	L(P)	Built Prior To 1978	22
S142	0.2353535	10252	L(P)	Built Prior To 1978	22
T-370	0.0045914	200	L(P)	Built Prior To 1978	22
T355	0.1146006	4992	L(P)	Built Prior To 1978	22
247	0.0013774	60	L(P)	Construction Date Unknown, Default Assumption Is Lead-Based Paint Possible	11
749	0.0194674	848	L(P)	Construction Date Unknown, Default Assumption Is Lead-Based Paint Possible	23
2434	0.0033058	144	L(P)	Construction Date Unknown, Default Assumption Is Lead-Based Paint Possible	23
T2458	0	?	L(P)	Construction Date Unknown, Default Assumption Is Lead-Based Paint Possible	23
14		473	None	Built After 1977	22
107		160	None	Built After 1977	22
126		3220	None	Built After 1977	22
128		120	None	Built After 1977	22
130		214	None	Built After 1977	22

Table G-2
(Continued)

Building Number	Acreage	SQ FT	Designation	Comment	EBS Source of Evidence
136		960	None	Built After 1977	22
137		185	None	Built After 1977	22
138		1500	None	Built After 1977	22
146		9000	None	Built After 1977	22
147		4072	None	Built After 1977	22
307		2000	None	Built After 1977	22
360		8660	None	Built After 1977	22
360		1024	None	Built After 1977	22
371		2245	None	Built After 1977	22
372		5600	None	Built After 1977	22
374		2100	None	Built After 1977	22
375		216	None	Built After 1977	22
376		6000	None	Built After 1977	22
703		40572	None	Built After 1977	22
744		18079	None	Built After 1977	22
746		4239	None	Built After 1977	22
747		8700	None	Built After 1977	22
748		13675	None	Built After 1977	22
750		2407	None	Built After 1977	22
751		5013	None	Built After 1977	22
752		6596	None	Built After 1977	22
753		35	None	Built After 1977	22
754		138	None	Built After 1977	22
755		900	None	Built After 1977	22
800		1272	None	Built After 1977	22
827		149	None	Built After 1977	22
1594		3000	None	Built After 1977	22
2109		?	None	Built After 1977	22
2114		800	None	Built After 1977	22
2134		6000	None	Built After 1977	22
2135		3600	None	Built After 1977	22
2310		144	None	Built After 1977	22
2311		192	None	Built After 1977	22
2312		2401	None	Built After 1977	22
2314		286	None	Built After 1977	22
2315		5100	None	Built After 1977	22
2316		?	None	Built After 1977	22
2445		920	None	Built After 1977	22
2455		80	None	Built After 1977	22
2485		1576	None	Built After 1977	22
2491		1976	None	Built After 1977	22
2492		1976	None	Built After 1977	22
2493		2096	None	Built After 1977	22
2494		1976	None	Built After 1977	22
2495		1976	None	Built After 1977	22
2496		2096	None	Built After 1977	22
2497		2096	None	Built After 1977	22
2498		1976	None	Built After 1977	22
2499		1976	None	Built After 1977	22
2500		1976	None	Built After 1977	22

Table G-2
(Continued)

Building Number	Acreage	SQ FT	Designation	Comment	EBS Source of Evidence
2501		1976	None	Built After 1977	22
2502		2096	None	Built After 1977	22
2504		1976	None	Built After 1977	22
2505		2380	None	Built After 1977	22
2507		2288	None	Built After 1977	22
2508		2380	None	Built After 1977	22
2509		2288	None	Built After 1977	22
2510		2380	None	Built After 1977	22
2511		2288	None	Built After 1977	22
2512		2288	None	Built After 1977	22
2513		2288	None	Built After 1977	22
2514		2288	None	Built After 1977	22
2515		2288	None	Built After 1977	22
2516		2380	None	Built After 1977	22
2517		2380	None	Built After 1977	22
2518		2380	None	Built After 1977	22
2519		2288	None	Built After 1977	22
2520		2380	None	Built After 1977	22
2521		2288	None	Built After 1977	22
2523		2288	None	Built After 1977	22
2524		980	None	Built After 1977	22
2525		980	None	Built After 1977	22
110A		100	None	Built After 1977	22
2479		924	None	Built After 1977	22
2483		924	None	Built After 1977	22
2486		891	None	Built After 1977	22
2487		891	None	Built After 1977	22
2488		891	None	Built After 1977	22
2489		891	None	Built After 1977	22
2490		891	None	Built After 1977	22
2132		100	None	Igloo, Not Painted	22
2133		100	None	Igloo, Not Painted	22
A0101-102		2442	None	Igloo, Not Painted	22
A0201, 203, 205, 207, 209, 211, 213, 215, 217		21789	None	Igloo, Not Painted	22
A0202, 204, 206, 208, 210, 212, 214, 216, 218		16344	None	Igloo, Not Painted	22
A0301, 303, 305, 307, 309, 311, 313, 315, 317		16344	None	Igloo, Not Painted	22
A0302, 304, 306, 308, 310, 312, 314, 316		19368	None	Igloo, Not Painted	22
A0401-409		16344	None	Igloo, Not Painted	22
A0501-508		14528	None	Igloo, Not Painted	22
A0601-610		18160	None	Igloo, Not Painted	22
A0702-711		19976	None	Igloo, Not Painted	22
A0801-811		19976	None	Igloo, Not Painted	22
A0901-910		18160	None	Igloo, Not Painted	22
A1001-A1012		21792	None	Igloo, Not Painted	22
A1101-A1111		19976	None	Igloo, Not Painted	22
B0101-B0112		21792	None	Igloo, Not Painted	22
B0201-B0211		19976	None	Igloo, Not Painted	22

Table G-2
(Continued)

Building Number	Acreage	SQ FT	Designation	Comment	EBS Source of Evidence
B0301-B0311		19976	None	Igloo, Not Painted	22
B0401-B0411		19976	None	Igloo, Not Painted	22
B0501-B0511		19976	None	Igloo, Not Painted	22
B0601-B0611		19976	None	Igloo, Not Painted	22
B0701-B0711		19976	None	Igloo, Not Painted	22
B0801-B0811		19976	None	Igloo, Not Painted	22
B0901-B0911		19976	None	Igloo, Not Painted	22
C0101-C0111		19976	None	Igloo, Not Painted	22
C0201-C0211		19976	None	Igloo, Not Painted	22
C0301-C0311		19976	None	Igloo, Not Painted	22
C0401-C0412		21792	None	Igloo, Not Painted	22
C0501-C0513		23608	None	Igloo, Not Painted	22
C0601-C0611		19976	None	Igloo, Not Painted	22
C0701-C0709		16344	None	Igloo, Not Painted	22
C0801-C0809		16344	None	Igloo, Not Painted	22
C0901-C0913		23608	None	Igloo, Not Painted	22
D0101-D0113		23608	None	Igloo, Not Painted	22
D0201-D0212		21792	None	Igloo, Not Painted	22
D0301-D0313		23608	None	Igloo, Not Painted	22
D0401-D013		23608	None	Igloo, Not Painted	22
D0501-D0513		23608	None	Igloo, Not Painted	22
D0601-D0612		21792	None	Igloo, Not Painted	22
D0701-D0712		21792	None	Igloo, Not Painted	22
D0801-D0812		21792	None	Igloo, Not Painted	22
E0101-E0114		33726	None	Igloo, Not Painted	22
E0201-E0214		33726	None	Igloo, Not Painted	22
E0301-E0313		31317	None	Igloo, Not Painted	22
E0401-E0413		31317	None	Igloo, Not Painted	22
E0501-E0513		31317	None	Igloo, Not Painted	22
E0601-E0611		26499	None	Igloo, Not Painted	22
E0701-E0711		26499	None	Igloo, Not Painted	22
E0801-E0811		26499	None	Igloo, Not Painted	22

Table G-3
POTENTIAL RADON HAZARDS AT SENECA ARMY DEPOT ACTIVITY

Building Number	Acreage	SQ FT	Radon Measurements	Radon Levels	Designation	Comment
115	0.324931	14,154	8 locations	5.5-7.3	R	Radon 4.0 or higher
2516	0.054637	2380	2 locations	2.9-4.0	R	Radon 4.0 or higher
4			1 location		None	Radon less than 4.0
5			1 location		None	Radon less than 4.0
6			1 location		None	Radon less than 4.0
101			8 locations		None	Radon less than 4.0
103			6 locations	1.3-2.4	None	Radon less than 4.0
104			1 location	2	None	Radon less than 4.0
106			5 locations	1.3-1.9	None	Radon less than 4.0
113			8 locations		None	Radon less than 4.0
114			6 locations		None	Radon less than 4.0
116			8 locations		None	Radon less than 4.0
117			4 locations		None	Radon less than 4.0
118			6 locations		None	Radon less than 4.0
119			2 locations		None	Radon less than 4.0
120			1 location		None	Radon less than 4.0
122			4 locations		None	Radon less than 4.0
123			2 locations		None	Radon less than 4.0
125			3 locations		None	Radon less than 4.0
126			2 locations	1.5-2.0	None	Radon less than 4.0
202			1 location	2.4	None	Radon less than 4.0
203			1 location	3.1	None	Radon less than 4.0
204			1 location	1.9	None	Radon less than 4.0
205			1 location	2.6	None	Radon less than 4.0
206			1 location	2.5	None	Radon less than 4.0
207			1 location	2.0	None	Radon less than 4.0
214			1 location	2	None	Radon less than 4.0
215			1 location	1.9	None	Radon less than 4.0
216			1 location	1.9	None	Radon less than 4.0
217			1 location	1.9	None	Radon less than 4.0
306			2 locations		None	Radon less than 4.0
314			1 location		None	Radon less than 4.0
316			6 locations		None	Radon less than 4.0
317			7 locations		None	Radon less than 4.0
319			1 location		None	Radon less than 4.0
320			5 locations		None	Radon less than 4.0
321			4 locations		None	Radon less than 4.0
323			4 locations		None	Radon less than 4.0
324			9 locations		None	Radon less than 4.0
325			9 locations		None	Radon less than 4.0
326			9 locations		None	Radon less than 4.0
327			9 locations		None	Radon less than 4.0
328			8 locations		None	Radon less than 4.0
329			9 locations		None	Radon less than 4.0
330			9 locations		None	Radon less than 4.0
331			9 locations		None	Radon less than 4.0
332			8 locations		None	Radon less than 4.0
333			9 locations		None	Radon less than 4.0
334			1 location		None	Radon less than 4.0

Table G-3
(Continued)

Building Number	Acreage	SQ FT	Radon Measurements	Radon Levels	Designation	Comment
339			9 locations		None	Radon less than 4.0
340			8 locations		None	Radon less than 4.0
341			9 locations		None	Radon less than 4.0
342			9 locations		None	Radon less than 4.0
343			9 locations		None	Radon less than 4.0
345			9 locations		None	Radon less than 4.0
346			9 locations		None	Radon less than 4.0
347			8 locations		None	Radon less than 4.0
348			8 locations		None	Radon less than 4.0
349			9 locations		None	Radon less than 4.0
350			8 locations		None	Radon less than 4.0
356			16 locations		None	Radon less than 4.0
357			16 locations		None	Radon less than 4.0
612			4 locations		None	Radon less than 4.0
701			7 locations		None	Radon less than 4.0
702			3 locations	1.8-2.1	None	Radon less than 4.0
703			5 locations	1.4-5.4	None	1996 Retest below 4.0
704			5 locations	1.5-2.0	None	Radon less than 4.0
705			4 locations		None	Radon less than 4.0
706			2 locations		None	Radon less than 4.0
707			9 locations		None	Radon less than 4.0
708			5 locations	1.4-2.1	None	Radon less than 4.0
710			1 location	1.1	None	Radon less than 4.0
711			1 location	0.9	None	Radon less than 4.0
715			2 locations		None	Radon less than 4.0
718			1 location		None	Radon less than 4.0
720			2 locations		None	Radon less than 4.0
722			2 locations	1.4-1.9	None	Radon less than 4.0
723			11 locations		None	Radon less than 4.0
724			4 locations		None	Radon less than 4.0
726			2 locations		None	Radon less than 4.0
729			2 locations	1.2-1.7	None	Radon less than 4.0
731			3 locations		None	Radon less than 4.0
732			2 locations		None	Radon less than 4.0
740			3 locations	1.6-2.1	None	Radon less than 4.0
742			1 location	1.3	None	Radon less than 4.0
744			8 locations		None	Radon less than 4.0
746			3 locations		None	Radon less than 4.0
747			4 locations		None	Radon less than 4.0
750			1 location		None	Radon less than 4.0
751			2 locations		None	Radon less than 4.0
752			3 locations	1.2-1.4	None	Radon less than 4.0
800			1 location	0.9	None	Radon less than 4.0
802			2 locations		None	Radon less than 4.0
803			2 locations		None	Radon less than 4.0
804			1 location		None	Radon less than 4.0
805			2 locations		None	Radon less than 4.0
806			3 locations		None	Radon less than 4.0
807			2 locations		None	Radon less than 4.0
810			6 locations	0.9-1.3	None	Radon less than 4.0

Table G-3
(Continued)

Building Number	Acreage	SQ FT	Radon Measurements	Radon Levels	Designation	Comment
812			2 locations		None	Radon less than 4.0
813			1 location		None	Radon less than 4.0
814			1 location		None	Radon less than 4.0
815			3 locations		None	Radon less than 4.0
816			7 locations		None	Radon less than 4.0
817			1 location		None	Radon less than 4.0
819			8 locations		None	Radon less than 4.0
825			6 locations		None	Radon less than 4.0
2073			1 location		None	Radon less than 4.0
2076			2 locations		None	Radon less than 4.0
2104			1 location		None	Radon less than 4.0
2301			2 locations		None	Radon less than 4.0
2305			3 locations		None	Radon less than 4.0
2306			1 location	1	None	Radon less than 4.0
2311			1 location	1.2	None	Radon less than 4.0
2401			4 locations	1.7-2.6	None	Radon less than 4.0
2403			3 locations	2.0-2.5	None	Radon less than 4.0
2404			2 locations	1.5-2.6	None	Radon less than 4.0
2406			2 locations	1.4-1.8	None	Radon less than 4.0
2408			2 locations	2.2-2.3	None	Radon less than 4.0
2410			2 locations		None	Radon less than 4.0
2411			1 location		None	Radon less than 4.0
2412			1 location	2.3	None	Radon less than 4.0
2414			1 location	2.3	None	Radon less than 4.0
2415			1 location	1.9	None	Radon less than 4.0
2418			1 location	1.1	None	Radon less than 4.0
2419			1 location	2.1	None	Radon less than 4.0
2421			1 location	1.1	None	Radon less than 4.0
2423			1 location	2.3	None	Radon less than 4.0
2426			1 location	3.1	None	Radon less than 4.0
2427			1 location	2	None	Radon less than 4.0
2429			1 location	1.8	None	Radon less than 4.0
2432			1 location	1.8	None	Radon less than 4.0
2437			1 location	1.4	None	Radon less than 4.0
2438			1 location	2	None	Radon less than 4.0
2441			1 location	1.7	None	Radon less than 4.0
2443			1 location	2.3	None	Radon less than 4.0
2446			1 location	2.6	None	Radon less than 4.0
2448			1 location	1.9	None	Radon less than 4.0
2450			2 locations	1.4-1.8	None	Radon less than 4.0
2452			1 location	1.9	None	Radon less than 4.0
2453			1 location	2.5	None	Radon less than 4.0
2485			2 locations		None	Radon less than 4.0
2491			2 locations	2.6-2.9	None	Radon less than 4.0
2492			2 locations	2.3-2.6	None	Radon less than 4.0
2493			2 locations	3.8-4.9	None	1996 Retest below 4.0
2494			2 locations	2.2-2.5	None	Radon less than 4.0
2495			2 locations	2.4-2.8	None	Radon less than 4.0
2496			4 locations	0.0-2.4	None	Radon less than 4.0
2498			2 locations	2.0-2.1	None	Radon less than 4.0

Table G-3
(Continued)

Building Number	Acreage	SQ FT	Radon Measurements	Radon Levels	Designation	Comment
225-A			1 location	2.1	None	Radon less than 4.0
225-B			1 location	1.9	None	Radon less than 4.0
225-C			1 location	1.7	None	Radon less than 4.0
225-D			1 location	2.7	None	Radon less than 4.0
226-A			1 location	2	None	Radon less than 4.0
226-B			1 location	1.9	None	Radon less than 4.0
226-C			2 locations	2.3-2.9	None	Radon less than 4.0
227-A			1 location	2.6	None	Radon less than 4.0
227-B			1 location	1.9	None	Radon less than 4.0
227-C			1 location	2.3	None	Radon less than 4.0
227-D			2 locations	2.0-2.9	None	Radon less than 4.0
228-A			1 location	2.4	None	Radon less than 4.0
228-B			1 location	1.8	None	Radon less than 4.0
228-C			1 location	2.3	None	Radon less than 4.0
228-D			1 location	2	None	Radon less than 4.0
229-A			1 location	1.9	None	Radon less than 4.0
229-B			1 location	1.3	None	Radon less than 4.0
229-C			1 location	2.2	None	Radon less than 4.0
229-D			1 location	1.9	None	Radon less than 4.0
230-A			1 location	2.5	None	Radon less than 4.0
230-B			1 location	1.4	None	Radon less than 4.0
230-C			1 location	2.8	None	Radon less than 4.0
230-D			1 location	2	None	Radon less than 4.0
231-A			1 location	2.6	None	Radon less than 4.0
231-B			1 location	2.1	None	Radon less than 4.0
231-C			1 location	2	None	Radon less than 4.0
231-D			1 location	1.5	None	Radon less than 4.0
232-A			1 location	1.8	None	Radon less than 4.0
232-B			1 location	2.8	None	Radon less than 4.0
232-C			1 location	1.6	None	Radon less than 4.0
232-D			1 location	1.7	None	Radon less than 4.0
233-A			1 location	1.2	None	Radon less than 4.0
233-B			1 location	2.7	None	Radon less than 4.0
233-C			2 locations	1.2-2.9	None	Radon less than 4.0
233-D			2 locations	1.8-2.3	None	Radon less than 4.0
234-A			1 location	1.9	None	Radon less than 4.0
234-B			1 location	1.7	None	Radon less than 4.0
234-C			1 location	1.8	None	Radon less than 4.0
234-D			1 location	1.5	None	Radon less than 4.0
235-A			1 location	2.4	None	Radon less than 4.0
235-B			1 location	1.6	None	Radon less than 4.0
235-C			1 location	1.6	None	Radon less than 4.0
235-D			2 locations	2.1-2.3	None	Radon less than 4.0
236-A			1 location	1.5	None	Radon less than 4.0
236-B			1 location	1.7	None	Radon less than 4.0
236-C			2 locations	1.8-2.3	None	Radon less than 4.0
236-D			1 location	2.2	None	Radon less than 4.0
237-B			1 location	1.9	None	Radon less than 4.0
237-C			1 location	1.7	None	Radon less than 4.0
237-D			1 location	2.5	None	Radon less than 4.0

Table G-3
(Continued)

Building Number	Acreage	SQ FT	Radon Measurements	Radon Levels	Designation	Comment
238-A			1 location	2.2	None	Radon less than 4.0
238-B			1 location	2.3	None	Radon less than 4.0
238-C			1 location	1.4	None	Radon less than 4.0
238-D			1 location	2	None	Radon less than 4.0
239-A			1 location	2.3	None	Radon less than 4.0
239-B			1 location	1.7	None	Radon less than 4.0
239-C			2 locations	1.6-1.8	None	Radon less than 4.0
239-D			1 location	2.2	None	Radon less than 4.0
240-A			1 location	1.9	None	Radon less than 4.0
240-B			1 location	2.3	None	Radon less than 4.0
240-C			1 location	1.6	None	Radon less than 4.0
240-D			1 location	2.2	None	Radon less than 4.0
241-A			1 location	2.5	None	Radon less than 4.0
241-B			1 location	2.2	None	Radon less than 4.0
241-C			1 location	1.7	None	Radon less than 4.0
241-D			1 location	1.7	None	Radon less than 4.0
242-A			1 location	3.3	None	Radon less than 4.0
242-B			1 location	1.7	None	Radon less than 4.0
242-C			2 locations	1.8-2.0	None	Radon less than 4.0
242-D			1 location	1.5	None	Radon less than 4.0
243-A			1 location	2.4	None	Radon less than 4.0
243-B			1 location	2.2	None	Radon less than 4.0
243-C			1 location	3.1	None	Radon less than 4.0
243-D			1 location	2.3	None	Radon less than 4.0
244-A			1 location	2.2	None	Radon less than 4.0
244-B			1 location	1.5	None	Radon less than 4.0
244-C			1 location	2.3	None	Radon less than 4.0
244-D			1 location	2.6	None	Radon less than 4.0
245-A			1 location	2.4	None	Radon less than 4.0
245-B			1 location	2.7	None	Radon less than 4.0
245-C			1 location	2.3	None	Radon less than 4.0
245-D			1 location	2	None	Radon less than 4.0
2470			1 location	1.5	None	Radon less than 4.0
2471			2 locations	1.6-1.7	None	Radon less than 4.0
2472			1 location	1.4	None	Radon less than 4.0
2474			1 location	1.9	None	Radon less than 4.0
2475			1 location	1	None	Radon less than 4.0
2476			1 location	1.8	None	Radon less than 4.0
2477			1 location	1.1	None	Radon less than 4.0
2478			1 location	1.4	None	Radon less than 4.0
2479			1 location	5	None	1996 Retest below 4.0
2480			1 location	1.8	None	Radon less than 4.0
2481			1 location	1.5	None	Radon less than 4.0
2482			1 location	1.2	None	Radon less than 4.0
2483			1 location	2.1	None	Radon less than 4.0
2484			1 location	1.5	None	Radon less than 4.0
2486			1 location	1.1	None	Radon less than 4.0
2487			1 location	1	None	Radon less than 4.0
2488			1 location	1	None	Radon less than 4.0
2489			1 location	1.2	None	Radon less than 4.0

Table G-3
(Continued)

Building Number	Acreage	SQ FT	Radon Measurements	Radon Levels	Designation	Comment
2490			1 location	0.8	None	Radon less than 4.0
Loran C			2 locations	1.4-1.5	None	Radon less than 4.0
S-714			3 locations		None	Radon less than 4.0
S142			4 locations		None	Radon less than 4.0

APPENDIX H

RUMORS LIST

DEPARTMENT OF THE ARMY
SENECA ARMY DEPOT ACTIVITY
ROMULUS, NEW YORK 14541-5001

REPLY TO ATTENTION OF
Office of Public Works

April 11, 1995

Mr. Kamal Gupta
New York State Department of Environmental Conservation
Bureau of Eastern Remedial Action
Division of Hazardous Waste Remediation
Room 208, 50 Wolf Road
Albany, NY 12233-7010

Ms. Carla M. Struble, P.E.
Program Manager
Federal Facilities Section
U.S. Environmental Protection Agency
Emergency & Remedial Response Division
290 Broadway, 18th Floor, E-3
New York, NY 10007-1866

Dear Mr. Gupta/Ms. Struble:

In accordance with Section 10.5 of the Federal Facility Agreement (FFA) for Seneca Army Depot Activity (SEDA), SEDA submits the enclosed list of potential Areas of Concern.

This list is a compilation of stories, rumors, findings due to continued research, and/or reported disposal areas. Future investigation of these sites or reports should begin with an historical search through depot pictures and maps located at SEDA, and include interviews with retired depot employees. USGS aerial photographs for 1941 through the present should be reviewed by personnel trained in aerial photography interpretation; this will aid in finding and verifying some sites.

SEDA is included in an Army Environmental Baseline Study scope of work for BRAC installations. This may be an appropriate and effective means to evaluate these potential AOC's.

Sincerely,

Randall W. Battaglia
Remedial Project Manager

enclosure

CF: Mike Duchesneau, Engineering-Science, Inc.
Kevin Healy, USACE, Huntsville Division
Kathleen Buchi, AEC

POTENTIAL AREAS OF CONCERN

1. It was reported that in the 1950's, ammunition was buried in low "swale" areas; this normally means wetland areas. Retirees should be interviewed regarding this as well as aerial photos.

2. The lake housing area contains fill areas. Old photographs of the Officer's Club show a shoreline much closer to the club than currently exists. Further investigation of this area shows that the Army property does not conform to the adjacent shoreline (north of the Officer's Club and south of the housing area). The natural topography appears to be steeply graded, indicating that the parking lot, Officer's Club area, and the lakeshore housing were fill areas. Also, northeast and adjacent to Flak Drive, there is currently a playground located on an area which is a fill area. On the south east end of the lake area, a dead-end road contains an area which is used for storage of debris.

3. The Shale Pit (SEAD-7) has spill booms visible at the northwest end of the fill area. This is evidently an unauthorized disposal of spill wastes, since this area was intended to be used only for clean fill. Corroded, empty drums are evident at what appears to be an abandoned farm house in the area adjacent to the Shale Pit, behind the Chapel.

4. Approximately 200 farms were condemned under eminent domain when the Army built Seneca Ordnance Depot in 1941. It was reported that some of these wells were used for disposal of wastes. This report has not yet been substantiated, and the nature of the wastes has not been determined.

5. An incinerator existed near the Sludge Piles, SEAD-5; a photograph exists of this incinerator. The types of wastes are unknown.

6. A coal pile existed, and coal is evident, north of the salt storage building, near SEAD-5. Other coal piles may have existed on SEDA when this was a commonly used heating fuel.

7. Paints and solvents were reportedly dumped on the east side of building 813. Other burial areas similar to SEAD 63 and SEAD 12 are likely near these areas; aerial photographs should be reviewed.

8. A "hill" is readily evident north of Post 3, where reportedly drums were buried.

9. DDT cans were rumored to be buried under the "ice rink", adjacent to and east of the water tower at the north end administrative area.

10. A pond which was later filled in reportedly existed adjacent to and west of the Elliott Acres housing area and south of the wooded area. Old As-Built drawings of this area did not show evidence of this; aerial photographs should also be reviewed.

11. A berm and various gravel roads are evident north of building 309; this may have been related to the small arms range, SEAD-46, however, this needs to be substantiated.

12. A concrete plant and staging area was constructed on the west side of SEDA near Post 2, when the depot was constructed.

13. Steam cleaning reportedly occurred on the loading platforms in the warehouse area and Industrial Plant Equipment area.

14. Coal ash was discovered during the construction of the playground area due south of building 123.

15. Along the west patrol road, north of cemetery road, there are bermed, square areas with apparently stressed vegetation.

16. The Defense Reutilization and Marketing Office(DRMO) scrap yard was rumored to be a disposal/fill area.

17. An area near the "A" block of igloos, south of the "Q" fence, contains soil which previously was treated with herbicides, then was excavated and placed there for fill.

QUESTIONS FOR INTERVIEWEES ABOUT POTENTIAL AREAS OF CONCERN

Area	Rumor Number	
Ammo	1	Do you know of areas where ammunition was buried? *Other than OB/OD and the landfill, only one interviewee had information about ammunition burial. Interviewee was highly confident about two areas north and east of the Munitions Washout Facility. The general locations of these areas are shown on Map 1. Also shown are two other dumping areas where Interviewee had no specific knowledge of ammunition burial.*
Ammo	12	Did a concrete plant and staging area exist near Post 2? *All but one interviewee had no knowledge of this plant. Interviewee had been told of a plant (but had no first hand knowledge) south of Kendaia Road between the RR track and the outside fence.*
Ammo	15	Do you know of burial activities along the west patrol road north of Cemetery Road? *One interviewee had knowledge of this area. He believed that rubble from old buildings was buried here. Also he knew that oils and solvents were dumped in rodent holes along the West Patrol Road north of this area.*
Ammo	17	Were herbicide treated soils used for fill south of the Q fence? *No interviewees had particular knowledge of this activity. One interviewww recalls a ditch being dug along the fence. Another interviewee recalls the area near the fence being filled to move the creek away from the fence for security reasons. Neither specified the years of these activities.*

Area	Rumor Number	
Ammo	9	Was DDT used or disposed of near the incinerator? *No interviewees had any direct knowledge of this activity. One interviewee said that it probably occured but had no direct knowledge.*
North Admin.	3	Were spill wastes (e.g., booms and other adsorbent materials) buried in the shale pit? Any materials other than construction debris? *No interviewees had any direct knowledge of spill waste burial. One interviewee said that asbestos shingles were buried here and that the area was used a pistol range. Another interviewee said that an oil leak from the North Admin. boiler drained to the shale pit. Both interviewees thought that the berm to the west of the shale pit was used as a small arms range.*
Q Area	7	Do you know what was buried east of Bldg. 813? How deep? *Solvents and paint according to two interviewees. Another interviewee said that 813 was a battery shop and acids may have been dumped.*
North Admin.	8	Do you know of drums and other materials buried north of Post 3? What materials? How deep? *No interviewees had any direct knowledge of this activity.*
North Admin.	9	Near the water tower, were DDT cans buried under the "ice rink"? How much? How deep? *No interviewees had any direct knowledge of this activity.*

South End IPE Warehouses Ammo	13	Were loading platforms steam cleaned? If so, were any chemicals or petroleum products washed off? *One interviewee said that equipment and rail cars were cleaned at the Ammo. platforms along West Loop Road. No other interviewees had any direct knowledge of this activity.*
DRMO Yard	16	Do you know of disposal or fill activities at the yard? *There is somewhat conflicting information concerning fill activities. Two interviewees seemed certain that crushed shale was used as fill to create the yard. Another interviewee, however, was present for the construction of the yard and said that the yard was not built on fill material. Concerning disposal activities, one interviewee stated that there was a great deal of liquid disposal involving oil, solvents, and "you name it."*
South End	5	Did an incinerator exist near the sludge pits? What wastes were burned? *One interviewee said that it existed but he never saw it in use. No other interviewees had any direct knowledge of this incinerator.*
South End	6	Did a coal pile exist north of the salt storage building? Any other coal piles at the depot? *Three interviewees confirmed the existence of the coal pile near salt storage. One interviewee estimated the location and size of the pile: along the RR tracks; 300 to 400 feet west of the Locomotive House; 50 to 100 feet wide; 200 to 300 feet long. Two interviewees seemed certain that there were no other piles: coal was trucked from main pile to boilers. However, interviewee believed there was a pile at every boiler.*

South End	10	Did a pond exist adjacent to and west of Elliot Acres and south of the wooded area? (It is now a field.) What fill material was used? *No interviewees believed that there was a pond here. Two interviewees said that it was a marsh. One of these said that there had been fill material placed in the marsh; he believes it was dirt.*
South End	14	Was coal ash buried south of Building 123? *No interviewees had any direct knowledge of this activity.*
Lake Housing	2	Are you aware of fill areas at Lake Housing and/or the Officers' Club? What materials? *The point at the Officers' Club was built of concrete, dirt, and shale according to three interviewees*
		Do you know of post-dumping activities at the southeast and of L.H.?. (e.g., at the ends of dead-end roads.) *No interviewees had any direct knowledge of this activity.*
		Do you know of fill activities along Flak Drive? *One interviewee knew of dumping/fill activities near the "Red Barn." Did not specify materials. No other interviewees had any direct knowledge of this activity.*
Depot-Wide	4	Were old wells from farms used for disposal of wastes? *One interviewee said that carbon tet. and fuel oil were poured into at least two wells: one at old Gate 2 and one near bldg. 2206. Another interviewee said that wells were generally filled with rock and dirt; he knew of no other materials.*

Duck Pond	11	Any knowledge of burial activities at south end of Duck Pond area (north of Bldg. 309 - see map)? Possibly related to the small arms range. *No interviewees had any direct knowledge of this activity.*

CERFA Table 1
BRAC ACREAGE SUMMARY TABLE
SENECA ARMY DEPOT ACTIVITY, NEW YORK

ENVIRONMENTAL CONDITION CATEGORY NUMBER	TOTAL ACREAGE	ACREAGE MINUS QUALIFIED ACREAGE	TOTAL QUALIFIED ACREAGE	ACM-QUALIFIED ACREAGE	LBP-QUALIFIED ACREAGE	PCB-QUALIFIED ACREAGE	RADON-QUALIFIED ACREAGE	UXO-QUALIFIED ACREAGE	RADIONUCLIDE-QUALIFIED ACREAGE
1	8,663.94	8,554.45	109.49	52.12	56.84	0.02	0.38	55.82	7.38
2	20.26	19.17	1.09	0.27	1.09	0.00	0.00	0.00	0.00
3	19.15	1.44	17.71	17.66	17.62	0.00	0.00	2.11	0.00
4	0.75	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	201.31	111.86	89.45	0.07	0.07	0.00	0.00	0.07	89.18
6	1,715.49	128.65	1,586.84	2.69	6.44	0.00	0.00	1,244.80	341.48
7	13.10	13.01	0.09	0.09	0.09	0.00	0.00	0.00	0.00
Total	10,634	8,829.33	1,804.67	72.90	82.15	0.02	0.38	1,303.34	438.04

Note: Acreage figures are approximate; they have been calculated using AutoCad Release 12.

P/E35

CERFA Table 2a
BRAC PARCEL DESCRIPTIONS
SENECA ARMY DEPOT ACTIVITY, NEW YORK

BRAC PARCEL NUMBER AND LABEL[a]	LOCATION (X,Y COORDINATES)	APPROXIMATE SIZE (ACRES)[b]	GEOGRAPHIC AREA	ENVIRONMENTAL CONDITION CATEGORY NUMBER	BASIS (SWMU NO.)	EBS SOURCE OF EVIDENCE[c]	REMEDIATION/ MITIGATION
1(1)	18,6	189.10	Lake Housing Area	1	No record of storage, disposal, release, or migration	Visual Inspection, Interview	None required
2(1)	26,10	494.71	Airfield Area	1	No record of storage, disposal, release, or migration	Visual Inspection, Interview	None required
3(1)	16,15	7,869.97	Depot Wide	1	No record of storage, disposal, release, or migration	Visual Inspection, Interview	None required
4(1)	19,24	1.16	Circa 1 acre in Elliot Acres	1	No record of storage, disposal, release, or migration	Visual Inspection, Interview	None required
5(1)PS/HS	17,2	61.88	Lake Housing Area	1	Building 2485 - fuel oil storage	21	None required
6(2)PS/PR	28,10	0.25	Airfield Area	2	Building 2310 - JP8 UST reported leaking in 1988	21, LUST list	Required actions have been taken
7(1)PS	28,10	0.25	Airfield Area	1	Building 2306 - fuel oil UST	21	None required
8(2)PS/PR	28,10	0.25	Airfield Area	2	Building 2305 spills - fuel oil UST reported leaking in 1989	21, Spill list	Required actions have been taken
9(1)HS(P)	30,23	1.68	Main Depot Area	1	Acid storage	Visual Inspection, Interview	None required
10(1)PS	28,26	0.25	LORAN-C Area	1	Fuel oil storage	21	None required
11(1)HS	24,22	2.02	Warehouse Area	1	Building 327 - pesticide, soda ash, antifreeze	Interview	None required
12(1)HS	24,22	2.02	Warehouse Area	1	Building 326 - STB and chlorine impregnate storage	Interview	None required
13(3)HS/HR	23,22	2.02	Warehouse Area	3	Building 330 - pesticide, soda ash, antifreeze storage; spill reported in 1993	Interview, Spill list	Required actions have been taken
14(3)HS/HR	22,22	2.02	Warehouse Area	3	Building 331 - Pesticide, soda ash, antifreeze storage; spill reported in 1992	Interview, Spill list	Required actions have been taken

CERFA Table 2a
(Continued)

BRAC PARCEL NUMBER AND LABEL[a]	LOCATION (X,Y COORDINATES)	APPROXIMATE SIZE (ACRES)[b]	GEOGRAPHIC AREA	ENVIRONMENTAL CONDITION CATEGORY NUMBER	BASIS (SWMU NO.)	EBS SOURCE OF EVIDENCE[c]	REMEDIATION/ MITIGATION
15(1)HS	22,22	2.02	Warehouse Area	1	Building 324 - columbite ore storage	1	None required
16(1)HS	22,23	2.02	Warehouse Area	1	Building 343 - pesticide, soda ash, antifreeze	Interview	None required
17(3)HS/HR	22,22	2.02	Warehouse Area	3	Building 323 - pesticide, soda ash, antifreeze; spill reported in 1992	Interview, Spill list	Required actions have been taken
18(1)HS	21,22	0.67	Warehouse Area	1	Building 333 - STB, DS-2, solvents	Interview	None required
19(3)HS/HR	21,22	0.06	Warehouse Area	3	Building 307 (SEAD-1) - hazardous waste storage; spill reported in 1991	1, Spill list	Required actions have been taken
20(1)PS/HS	21,21	6.87	IPE Area	1	Buildings 316, 317, 318, and 372 - IPE - solvents, petroleum products	Interview	None required
21(1)PS	20,23	26.29	Elliot Acres Housing Area	1	Fuel oil storage	0.25-acre tank spacing, 21	None required
22(1)PS	19,23	0.25	South Depot Area	1	Building 101 - fuel oil storage	21	None required
23(2)PS/PR	18,23	0.25	South Depot Area	2	Building 103 - fuel oil storage, fuel oil spill	21, Spill list	None required
24(2)PS/PR/HS	19,23	0.47	South Depot Area	2	Building 118 (SEAD-30) - auto shop, waste oil UST, Building 120 - gas station; spill reported in 1992	1, Spill list	Required actions have been taken
25(1)PS/HS	19,23	0.41	South Depot Area	1	Building 117, Heavy Equipment Shop - waste oil storage UST (SEAD-31)	1	None required
26(1)HS	19,22	0.16	South Depot Area	1	Building 125 - former paint shop	Interview, 21	None required
27(1)PS/HS	18,23	0.25	South Depot Area	1	Building 106 - health clinic, fuel oil storage	Interview, 21	None required
28(1)PS	18,22	0.25	South Depot Area	1	Building 114 - USTs	21	None required
29(2)PS/PR	19,21	0.25	South Depot Area	2	Building 129 - fuel oil storage; spill reported in 1994	21, Spill list	None required
30(1)PS	18,21	0.25	South Depot Area	1	Building 113 - fuel oil storage	21, Spill list	None required

CERFA Table 2a
(Continued)

BRAC PARCEL NUMBER AND LABEL[a]	LOCATION (X,Y COORDINATES)	APPROXIMATE SIZE (ACRES)[b]	GEOGRAPHIC AREA	ENVIRONMENTAL CONDITION CATEGORY NUMBER	BASIS (SWMU NO.)	EBS SOURCE OF EVIDENCE[c]	REMEDIATION/ MITIGATION
31(1)PS/HS	20,21	0.25	Main Depot Area	1	Building 312 (General Supply) - hydrofluosilic acid, paint, antifreeze, turpentine, diesel oil	Interview	None required
32(1)PS	2,15	0.25	North Depot Area	1	Building 800 - fuel oil storage	21	None required
33(1)PS	2,15	0.25	North Depot Area	1	Building 729 - fuel oil storage	21	None required
34(1)PS	3,14	0.25	North Depot Area	1	Buildings 719, 721, and 720 - gas station, vehicle maintenance	Visual Inspection	None required
35(1)PS	2,14	0.25	North Depot Area	1	Building 733 - fuel oil storage	21	None required
36(1)PS	3,14	0.25	North Depot Area	1	Building 746 - fuel oil storage	21	None required
37(2)PS/PR	3,12	0.25	North Depot Area	2	Building 710 - fuel oil storage reported leaking in 1989	21, LUST list	Required actions have been taken
38(1)PS	2,12	0.71	North Depot Area	1	Building 742 - gas station	Visual Inspection	None required
39(1)PS	2,12	0.25	North Depot Area	1	Building 714 - fuel oil storage	21	None required
40(1)PS	2,12	0.25	North Depot Area	1	Building 740 - fuel oil storage	21	None required
41(1)HS	14,9	0.25	Main Depot Area	1	Acid storage (SEAD-65A)	1	None required
42(1)HS	14,9	0.25	Main Depot Area	1	Acid storage (SEAD-65B)	1	None required
43(1)HS	14,9	0.25	Main Depot Area	1	Acid storage (SEAD-65C)	1	None required
44(3)PR/HR	29,26	0.25	LORAN-C Area	3	Halon and diesel spills	Interview, Spill list	Required actions have been taken
45(3)HS/HR	27,25	4.65	Warehouse Area	3	Building 356 (SEAD-49) - columbite ore storage, DS-2 storage/spills	1, 20	None required
46(3)HR	18,21	0.96	South Admin Area	3	Wood burn ash, pressure-treated wood (SEAD-10)	1	None required
47(2)PS/PR/HS	2,14	1.46	North Depot Area	2	Building 732 (SEAD-29) - auto hobby shop, waste oil storage	1	None required

CERFA Table 2a
(Continued)

BRAC PARCEL NUMBER AND LABEL[a]	LOCATION (X,Y COORDINATES)	APPROXIMATE SIZE (ACRES)[b]	GEOGRAPHIC AREA	ENVIRONMENTAL CONDITION CATEGORY NUMBER	BASIS (SWMU NO.)	EBS SOURCE OF EVIDENCE[c]	REMEDIATION/ MITIGATION
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)	1, 19	Surface soils remediated
49(5)HS/HR	29,19	72.54	Main Depot Area	5	Pitchblende storage and release (SEAD-48)	1	Pending
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), UST reported leaking in 1994, spills reported in 1994	1, LUST list, Spill list	Pending
51(5)PS/PR/HS/HR(P)	21,21	0.25	IPE Area	5	Building 360 - waste oil storage (SEAD-28), spill, steam Jenny (SEAD-27).	1	Pending
52(2)PR	19,23	5.49	Main Depot Area	2	Spill from Building 138, partially clean	Interview, LUST list	Pending
53(5)HR	3,17	15.79	Special Weapons Area	5	Radioactive waste burial (SEAD-12A)	1, 18	Pending
54(6)HR(P)	16,2	0.25	Lake Housing Area	6	Pump house Building 2409 - sewage release on east side of building	Visual Inspection, Interview	None to date
55(6)PR(P)/HR	18,11	1.88	Main Depot Area	6	Abandoned powder burning area (SEAD-24)	1, 16	None to date
56(2)PR	29,12	7.43	Airfield Area	2	Fuel spills west of Building 2312	Interview, Spill list	None to date
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 at Building 2079 (SEAD-38), leaking tank reported at Building 2079 in 1993, spill reported at Building 2073 in 1992, dumping	1, 16, 17, LUST list, Spill list, Interviews, Visual Inspection	None to date
58(6)HR	31,19	8.60	Main Depot Area	6	Garbage disposal area (SEAD-64B)	1, 19	None to date

CERFA Table 2a
(Continued)

BRAC PARCEL NUMBER AND LABEL[a]	LOCATION (X,Y COORDINATES)	APPROXIMATE SIZE (ACRES)[b]	GEOGRAPHIC AREA	ENVIRONMENTAL CONDITION CATEGORY NUMBER	BASIS (SWMU NO.)	EBS SOURCE OF EVIDENCE[c]	REMEDIATION/ MITIGATION
59(6)PS/PR/HR	31,22	7.57	Main Depot Area	6	Buildings 608 and 612 (SEAD-52) - ammunition breakdown area, oil discharge adjacent to Building 609 (SEAD-60), fuel oil storage	1, 19	None to date
60(6)HR	32,23	3.72	Main Depot Area	6	Material proof and surveillance test area west of Building 616 (SEAD-44A)	1, 18	None to date
61(6)HR	30,22	1.62	Main Depot Area	6	Material proof and surveillance test area on Brady Road (SEAD-44B)	1, 18	None to date
62(6)HR(P)	31,23	1.82	Main Depot Area	6	Nicotine sulfate disposal area near Buildings 606 and 612 (SEAD-62)	1, 18	None to date
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	1, 18	None to date
64(6)HR	25,22	1.77	Main Depot Area	6	Debris landfill with raw asbestos (SEAD-64A)	1, 19	None to date
65(6)HS/HR(P)	25,22	1.39	Warehouse Area	6	Open zinc ore pile	Visual Inspection	None to date
66(6)HR	26,22	9.26	Warehouse Area	6	Fire training pit (SEAD-26)	1, 16	None to date
67(6)HS/HR(P)	26,22	0.89	Warehouse Area	6	Open chromite ore pile	Visual Inspection	None to date
68(6)HS/HR(P)	25,22	0.65	Warehouse Area	6	Open aluminum oxide ore pile	Visual Inspection	None to date
69(6)HS/HR(P)	26,24	0.55	Warehouse Area	6	Open antimony ore pile	Visual Inspection	None to date
70(6)HS/HR(P)	26,25	1.55	Warehouse Area	6	Open ferro chrome ore pile	Visual Inspection	None to date
71(6)HS/HR(P)	26,25	0.81	Warehouse Area	6	Open antimony ore pile	Visual Inspection	None to date
72(6)HS/HR	25,24	19.94	Tank Farm	6	Storage tanks for antimony, rutile, asbestos and silicon carbide (SEAD-50, SEAD-54)	1, 18	None to date
73(6)HS/HR(P)	24,23	1.56	Warehouse Area	6	Open chromite ore pile	Visual Inspection	None to date

CERFA Table 2a
(Continued)

BRAC PARCEL NUMBER AND LABEL[a]	LOCATION (X,Y COORDINATES)	APPROXIMATE SIZE (ACRES)[b]	GEOGRAPHIC AREA	ENVIRONMENTAL CONDITION CATEGORY NUMBER	BASIS (SWMU NO.)	EBS SOURCE OF EVIDENCE[c]	REMEDIATION/ MITIGATION
74(6)HS/HR(P)	24,22	0.74	Warehouse Area	6	Open ferro manganese ore pile	Visual Inspection	None to date
75(6)HS/HR(P)	23,23	1.94	Warehouse Area	6	Open chromite ore pile	Visual Inspection	None to date
76(6)HS/HR(P)	22,23	0.75	Warehouse Area	6	Open ferro manganese ore pile	Visual Inspection	None to date
77(6)PR/HR	23,22	0.49	Warehouse Area	6	Spill of PCB oil north of Building 325	Interview	None to date
78(6)HS/HR	21,21	3.08	Main Depot Area	6	Interviews revealed dumping of hazardous materials at DRMO yard	Interview	None to date
79(6)HR	20,22	2.82	Main Depot Area	6	Fire training pad (SEAD-25)	1, 16	None to date
80(6)PS/HR	20,20	1.93	Main Depot Area	6	Building 367 (SEAD-17) - deactivation furnace, AST	1, 16	None to date
81(6)HS/HR	19,21	0.43	Main Depot Area	6	Sewage sludge waste piles (SEAD-5)	1, 18	None to date
82(6)PS/PR/HS/HR	19,21	4.47	Main Depot Area	6	Building S-311 (SEAD-16) - deactivation furnace, Building S-361 - raw material storage yard; spill reported at Building S-311 in 1993	1, 16, Visual Inspection, Spill list	None to date
83(6)HS/HR(P)	19,19	1.41	Main Depot Area	6	Open chromite ore pile	Visual Inspection	None to date
84(6)PS/PR/HR(P)	18,19	1.16	Main Depot Area	6	Buildings 308, 306 - Boiler House, Inspector's Workshop, staining	Visual Inspection	None to date
85(6)PR/HR	19,21	0.69	USE Area	6	Fill area with unknown contents west of Building 135 (SEAD-59)	1, 18	None to date
86(6)PR/HS/HR	19,22	0.11	South Depot Area	6	Building 135 - vehicle storage building with stained soil	Visual Inspection	None to date
87(6)PS/PR/HR(P)	19,23	0.25	South Depot Area	6	Building 121 (SEAD-36) - waste oil tank (SEAD-33), boiler plant blowdown leach pit (SEAD-39), boiler plant	1	None to date
88(2)PS/PR	19,22	0.14	South Depot Area	2	UST at Building 127 with stained soil	Visual Inspection	None to date
89(6)HR	18,22	1.16	South Depot Area	6	Alleged paint/solvent disposal area (SEAD-71)	1, 19	None to date

CERFA Table 2a
(Continued)

BRAC PARCEL NUMBER AND LABEL[a]	LOCATION (X,Y COORDINATES)	APPROXIMATE SIZE (ACRES)[b]	GEOGRAPHIC AREA	ENVIRONMENTAL CONDITION CATEGORY NUMBER	BASIS (SWMU NO.)	EBS SOURCE OF EVIDENCE[c]	REMEDIATION/ MITIGATION
90(6)PR(P)/HR	17,22	2.07	Duck Ponds Area	6	Old scrap wood (SEAD-9)	1, 18	None to date
91(6)HS/HR(P)	17,19	0.98	Main Depot Area	6	Open chromite ore pile	Visual Inspection	None to date
92(6)HS/HR(P)	16,19	4.62	Main Depot Area	6	Pesticide storage - Buildings 5 and 6 (SEAD-66)	1	None to date
93(6)HS/HR(P)	16,19	0.91	Main Depot Area	6	Open aluminum oxide ore pile	Visual Inspection	None to date
94(6)HR	16,20	5.12	Duck Ponds Area	6	Sewage Treatment Plant No. 4 (SEAD-20), dump site to east (SEAD-67)	1, 19	None to date
95(6)HS/HR(P)	16,19	0.49	Main Depot Area	6	Open ferro manganese ore pile	Visual Inspection	None to date
96(6)HR(P)	11,19	10.07	Duck Ponds Area	6	IRFNA disposal site (SEAD-13)	1, 17	None to date
97(6)HR(P)	11,20	8.81	Duck Ponds Area	6	IRFNA disposal site (SEAD-13)	1, 17	None to date
98(6)PS/PR/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 at Building 803 (SEAD-72), incinerator and Building 810 (SEAD-19), USTs at Buildings 802 and 805 Leaking tank at Building 806 reported in 1989; leaking tank at Building 807 reported in 1991 Unknown contents/unknown storage at Building 810 Unknown activities/storage at Building 819, igloos A0101 and A0102	Visual Inspection, Interview, 1, 18, Spill list, LUST list	None to date

CERFA Table 2a
(Continued)

BRAC PARCEL NUMBER AND LABEL[a]	LOCATION (X,Y COORDINATES)	APPROXIMATE SIZE (ACRES)[b]	GEOGRAPHIC AREA	ENVIRONMENTAL CONDITION CATEGORY NUMBER	BASIS (SWMU NO.)	EBS SOURCE OF EVIDENCE[c]	REMEDIATION/ MITIGATION
99(2)PS/PR	3,15	0.25	Special Weapons Area	2	Former MP gas station (removed tank)	Visual Inspection, Interview	None to date
100(6)PS/PR/HS/HR	3,14	0.85	North Depot Area	6	Building 747 - unknown contents/unknown storage; spill reported in 1992	Interview, Spill list	None to date
101(6)PS/PR/HS/HR	3,13	0.08	North Depot Area	6	Building 718 - waste oil tank (SEAD-32, SEAD-61), waste oil-burning boilers (SEAD-35), boiler blowdown leach pit (SEAD-41); spill reported in Building 718 in 1994	1, Spill list	None to date
102(2)PS/PR(P)	3,13	1.52	North Depot Area	2	Buildings 716-717 - fuel oil filling and storage station, auto hobby shop, stained soil	Visual Inspection, Interview	None to date
103(6)HR	5,13	3.64	Special Weapons Area	6	Miscellaneous components burial area (SEAD-63)	1, 19	None to date
104(6)PR/HS/HR		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, spills reported at Open Burning and Open Detonation Grounds in 1994; spill reported at Building 2134 in 1995	1, 16, Visual Inspection, Interview, Spill list, LUST list	None to date
105(6)HS/HR(P)	15,13	1.95	Main Depot Area	6	Aluminum oxide ore pile		None to date
106(6)HR	17,11	11.36	Main Depot Area	6	Debris area near Booster Station 2131 (SEAD-58), possible DDT disposal	1, 18	None to date
107(7)	30,10	0.25	Airfield Area	7	Connex - unknown contents	Visual Inspection	None to date
108(7)HS(P)/HR(P)	22,22	0.09	Warehouse Area	7	Building S-335 (SEAD-68) - old pest control shop	1	None to date
109(7)	17,20	4.95	Duck Ponds Area	7	Mounds possibly related to small arms range north of Building 309	Visual Inspection, Interview	None to date
110(7)	11,21	1.10	Duck Ponds Area	7	Mound of unknown contents	Visual Inspection	None to date

CERFA Table 2a
(Continued)

BRAC PARCEL NUMBER AND LABEL[a]	LOCATION (X,Y COORDINATES)	APPROXIMATE SIZE (ACRES)[b]	GEOGRAPHIC AREA	ENVIRONMENTAL CONDITION CATEGORY NUMBER	BASIS (SWMU NO.)	EBS SOURCE OF EVIDENCE[c]	REMEDIATION/ MITIGATION
111(7)	3,17	0.25	Duck Ponds Area	7	Mound of unknown contents	Visual Inspection	None to date
112(7)	2,17	0.25	Duck Ponds Area	7	Mound of unknown contents	Visual Inspection	None to date
113(7)	2,11	4.96	North Depot Area	7	Mounds and a rusty drum	Visual Inspection	None to date
129(3)HR	19,2	0.25	Lake Housing Area	3	Building 2438 - sewage release outside of building	Spill list	Required actions have been taken
130(3)PR/HR/(P)	24,23	2.02	Warehouse Area	3	Building 349 - spills reported in 1986, 1989, and 1991	Spill list	Required actions have been taken
131(3)PS/PR/HS/HR	27,25	4.65	Warehouse Area	3	Building 357 - spills reported in 1990, 1991, and 1992; leaking tank reported in 1987	Spill list, LUST list	Required actions have been taken
132(3)PR/HR(P)	18,17	0.25	Main Depot Area	3	Building C-509 - spill reported in 1992	Spill list	Required actions have been taken
133(2)PS/PR	19,2	0.25	Lake Housing Area	2	Building 2452 - fuel oil AST reported leaking in 1991	LUST list	Required actions have been taken
134(2)PS/PR	2,14	0.25	North Depot Area	2	Building 752 - fuel oil AST reported leaking in 1992	LUST list	Required actions have been taken
135(2)PS/PR	19,23	0.25	Elliot Acres Housing Area	2	Building 212 - fuel oil AST reported leaking in 1990	LUST list	Required actions have been taken
136(2)PR	2,11	0.25	North Depot Area	2	Building 715 - fuel oil release from Building 718 contained in secondary sewage treatment facility	Spill list	Required actions have been taken
137(7)	19,22	0.25	South Depot Area	7	Rumored coal ash disposal area	Rumors list	None to date
138(7)	19,22	0.25	South Depot Area	7	Rumored coal storage area	Rumors list	None to date
139(7)	2,14	0.25	North Depot Area	7	Rumored DDT cans disposal area	Rumors list	None to date
140(7)	2,12	0.25	North Depot Area	7	Rumored drum disposal area	Rumors list	None to date
141(2)PS/PR	18,2	0.25	Lake Housing Area	2	Building 2411 - Fuel oil spill	Spill list	Required actions have been taken
142(2)PS/PR	19,2	0.25	Lake Housing Area	2	Building 2448 - Fuel oil spill	Spill list	Required actions have been taken
143(2)PR	29,11	0.25	Airfield	2	Non-PCB oil release from pole-mounted transformer	Spill list	Required actions have been taken

CERFA Table 2a
(Continued)

BRAC PARCEL NUMBER AND LABEL[a]	LOCATION (X,Y COORDINATES)	APPROXIMATE SIZE (ACRES)[b]	GEOGRAPHIC AREA	ENVIRONMENTAL CONDITION CATEGORY NUMBER	BASIS (SWMU NO.)	EBS SOURCE OF EVIDENCE[c]	REMEDIATION/ MITIGATION
144(2)PR	23,22	0.25	Warehouse Area	2	Building 342 - Diesel fuel spill	Spill list	Required actions have been taken
145(2)PS/PR	19,23	0.25	Elliot Acres Housing Area	2	Building 214 - Fuel oil spill	Spill list	Required actions have been taken
146(4)PR/HR	29,20	0.25	Main Depot Area	4	Hydraulic oil spill in drainage ditch	Spill list	Required actions have been taken
147(4)PR/HR	26,20	0.25	Main Depot Area	4	Hydraulic oil spill along East Patrol Road	Spill list	Required actions have been taken
148(4)PR/HR	23,22	0.25	Warehouse Area	4	Building 330 - Waste oil spill	Spill list	Required actions have been taken
149(7)	18,7	0.25	Lake Housing Area	7	Farm trash dump along Kendaia Creek	Visual Inspection	None to date

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
R = radon
X = UXO and or ordnance fragments
RD = radionuclides
(P) = possible (unverified)

[b] Acreage figures are approximate; they have been calculated using AutoCad Release 12.

[c] EBS Source of Evidence numbers refer to documents listed in Table 2-1 of this report.

Woodward-Clyde

Engineering & sciences applied to the earth & its e

December 5, 1997

Stephen Absolom
BRAC Environmental Coordinator
Directorate of Engineering and Housing
Seneca Army Depot Activty (SEDA)
Romulus, NY 14541-5001

Subject: *Responses to EPA comments and revised CERFA Tables 1 and 2a*

Dear Mr. Absolom:

In accordance with your request to respond to comments from the EPA on the *Seneca Army Depot Activity, New York, Draft Final Environmental Baseline Survey Report* dated October 30, 1996, Woodward-Clyde has enclosed the following:

- Responses to EPA Comments: one hard copy and one copy on diskette;
- Revised CERFA Table 1: one hard copy and one copy on diskette; and
- Revised CERFA Table 2a: one hard copy and one copy on diskette.

Hard copies of the responses and tables have also been provided to the BRAC 95 Program personnel listed below. No revisions to CERFA Table 2b were required at this time. Please note that the parcel categories are in accordance with the DOD BRAC 95 guidance.

As always, it has been a pleasure working with you and your staff at Seneca Army Depot Activity. If you have any questions, please contact me at (206) 343-7933.

Very truly yours,

For

Geoffrey C. Compeau, Ph.D.
Project Manager

Attachments

cc: Randy Battaglia, GPM, USACE
Mike Nelson, USACE, Seattle District

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RESPONSES TO ENVIRONMENTAL PROTECTION AGENCY, REGION 2 COMMENTS ON THE

SENECA ARMY DEPOT ACTIVITY, NEW YORK DRAFT FINAL ENVIRONMENTAL BASELINE SURVEY REPORT

DATED OCTOBER 30, 1996

ENTITY: U.S. Environmental Protection Agency, Region 2

INDIVIDUAL: Jeanne M. Fox

TITLE: Regional Administrator

DATE: March 26, 1997

Comment A-1:

General

A substantial portion of SEDA is occupied by former munitions "storage" igloos. Except for those igloos noted below under the discussion of BRAC Parcel 3, EPA concurs with the Army's designation that the property occupied by these igloos is "uncontaminated." This concurrence is based on the representation by the Army in the EBS that this area was used only for the "storage" of munitions, and that there has been no documented disposal nor releases of hazardous substances or petroleum products within this area. Based on discussions with SEDA, it is EPA's understanding that munitions stored within the igloos were packaged in either asphalt impregnated fiber board, metallic or wooden containers, and strapped to wooden pallets.

Response:

Comment noted.

Comment A-2:

EPA is unable to concur that any of the structures identified in the EBS as having a potential for the release to the environment of lead based paint or asbestos are "uncontaminated." The Army has provided only limited information that such substances are possible or confirmed at certain locations, but no information has been provided as to their condition or possible release to the environment. This includes but is not limited to the housing units at Elliot Acres, Lake Housing, and "Colonels' Row." As the Army may provide a clarifying survey and/or sampling information on the condition of and possible releases (past and present) of these substances to the environment at these structures/properties, EPA will assist in recategorizing these structures/properties as appropriate.

Response:

A distinction is made between lead-based paint and other lead sources in the EBS report. A distinction is also made between asbestos-containing materials and raw asbestos. The approach used to identify and delineate the presence of lead-based paint and asbestos-containing materials has been developed by the Army, EPA, various states, and other regulatory agencies over the previous two rounds of base realignment and closure (1991 and 1993). Their presence has been documented in the EBS report; however, their presence does not necessarily preclude the Army from transferring or leasing the property. Prior to transfer or lease, a Finding of Suitability to Transfer of Lease (FOST of FOSL) will be prepared to determine whether, and how, to proceed.

The U.S. Army is making every attempt to provide disclosure of the presence of these materials. These materials will be dealt with to protect human health and the environment, as appropriate, prior to property transfer. It is important to note that "the government is required to provide disclosure" of the presence of lead-based paint "in accordance with the Residential Lead-Based Hazard Reduction Act of 1992 (Title X of Public Law 102-550) prior to the disposition of target housing to a non-government entity" (BCP Guidebook, Finding of Suitability to Transfer [FOST], Appendix B [DOD 1993]).

Unresolved issues will be forwarded with the Final EBS Report to the Office of the Deputy Assistant Secretary of the Army.

Comment A-3:

State spill records indicate that on October 5, 1987, a 3000 gallon fuel oil spill occurred, with some of it released to a Seneca Lake tributary. The exact location is not specified. EPA is unable to concur that any property that may have been impacted by this release is "uncontaminated."

Response:

The location of this spill was identified in the Final EBS Report and it corresponds with the locations of BRAC parcels 101(6)PS/PR/HS/HR and 136(4)PR in that report. This spill was State spill number 8705646 and it was closed out on November 5, 1997.

Comment A-4:

State spill records indicate that on November 19, 1992 a 1700 gallon fuel oil spill occurred at a tributary of Kendaia Creek. The exact location of this spill is not specified. EPA is unable to concur that any property that may have been impacted by this release is "uncontaminated."

Response:

The location of this release was identified in the Final EBS Report and it corresponds with the location of BRAC parcel 52(5)PR in that report. This spill was State spill number 9209672 and it was closed out on July 19, 1994.

Comment A-5:

State spill records indicate that on September 10, 1991, a gasoline spill was discovered while removing abandoned underground gasoline tanks. Eleven 55 gallon drums of contaminated soil were readied for disposal and groundwater was affected. The exact location is not specified. EPA is unable to concur that any property impacted by this release is "uncontaminated."

Response:

The location of this release was identified in the Final EBS Report and it corresponds with the location of BRAC parcel 96(6)PS/PR/HS/HR in that report. This spill was State spill number 9106276 and it was closed out on September 11, 1991.

Comment A-6:

State spill records indicate that on December 19, 1987, two 4000 gallon underground gasoline storage tanks failed tank tests. The exact locations are not specified. The spill records state that groundwater was affected. The tanks were removed on May 4, 1988. EPA is unable to concur that any property impacted by these releases is "uncontaminated."

Response:

The location of this release was identified in the Final EBS Report and it corresponds with the location of BRAC parcel 131(3)PS/PR/HS/HR in that report. This spill was State spill number 8708149 and it was closed out on May 4, 1988.

Comment A-7:

State spill records indicate that on September 22, 1988, a tank test failure was reported. The exact location is not specified. The tank contained JP 4 and three leaks were found in the piping. The piping was repaired and the retest resulted in failure again. The spill report states that groundwater was affected and on December 2, 1988 the tank was removed. EPA is unable to concur that any property impacted by this release is "uncontaminated."

Response:

The location of this release was identified in the Final EBS Report and it corresponds with the location of BRAC parcel 6(4)PS/PR in that report. This spill was State spill number 8805363 and it was closed out on December 2, 1988.

Comment A-8:

State spill records indicate that on March 23, 1992 fifteen gallons of jet fuel spilled onto the ground while refilling a helicopter. The exact location of this spill is not specified. EPA is unable to concur that any property impacted by this release is "uncontaminated."

Response:

The location of this release was identified in the Final EBS Report and it corresponds with the location of BRAC parcel 56(6)PR in that report. This spill was State spill number 9112997 and it was closed out on March 24, 1992.

Comment A-9:

State spill records indicate that on November 30, 1992, a contractor dug next to a transformer and knocked the transformer over. A 30 gallon spill of non-PCB oil went to the grass around Pole #A1-4-8. EPA is unable to concur that any property impacted by this release is "uncontaminated."

Response:

The location of this release was not identified in the Draft Final or Final EBS Reports. A parcel corresponding with this location indicating a petroleum release will be added to the Version 2 BRAC Cleanup Plan Report and the CERFA letter report will be revised. This spill was State

spill number 9210155. All required cleanup actions have been taken at this site and NYSDEC records indicate that the case was closed on July 19, 1994. The new BRAC Parcel has been designated 143(2)PR.

Comment A-10:

State spill records indicate that on September 15, 1993, contaminated soil and groundwater were encountered while removing an underground tank. The exact location is not specified. Approximately 20 gallons of fuel oil had been released. EPA is unable to concur that any property impacted by this release is "uncontaminated."

Response:

The location of this release was identified in the Final EBS Report and it corresponds with the location of BRAC parcel 82(6)PS/PR/HS/HR in that report. This spill was State spill number 9307284 and it was closed out on April 2, 1997.

Comment A-11:

State spill records indicate that on April 4, 1994, a 200 gallon above ground fuel oil tank failed, causing 100 gallons to discharge to a drainage ditch where the oil was contained. The exact location is not specified. EPA is unable to concur that any property impacted by this release is "uncontaminated."

Response:

The location of this release was identified in the Final EBS Report and it corresponds with the location of BRAC parcel 104(6)PR/HS/HR in that report. This spill was State spill number 9400104 and it was closed out on March 1, 1995.

Comment A-12:

State spill records indicate that on January 30, 1996, 17 gallons of hydraulic oil were spilled at East Patrol Road and on February 27, 1996, 5 gallons of hydraulic oil were spilled into a drainage ditch. The exact locations of these releases are not specified. EPA is unable to concur that any property impacted by these releases is "uncontaminated."

Response:

The locations of both of these spills were not identified in the Draft Final or Final EBS Reports. Parcels corresponding with these locations indicating petroleum releases will be added to the Version 2 BRAC Cleanup Plan Report and the CERFA letter report will be revised. All required cleanup actions have been taken at these sites and NYSDEC records indicate that the cases were closed on January 31, 1996 and March 11, 1996, respectively. State spill numbers 9513854 and 9515296, respectively, were assigned to these spills. The new BRAC Parcels have been designated 147(4)PR/HR and 146(4)PR/HR, respectively.

Comment A-13:

A portion of Sampson State Park is located adjacent to and upgradient of BRAC Parcel 1 and BRAC Parcel 5. Table 4-5 of the EBS states a leaking underground gasoline tank was discovered at Sampson State Park on March 1, 1990. The exact location of the release within the park is not specified. EPA is unable to concur that any SEDA property which may have been impacted by this release is "uncontaminated."

Response:

On October 1, 1997, personnel from Woodward-Clyde visited Sampson State Park in order to obtain more information concerning this release. Mr. Tony Pecoraro of the Finger Lakes Regional Office was also contacted and Mr. Pecoraro searched their files and forwarded information concerning this release to Woodward-Clyde. This additional information is included as Attachment 1. The NYSDEC spill report and remarks indicate that on March 1, 1990 a gasoline UST was found to be full of water. On April 3, 1990 the tank top was exposed and water was observed in the excavation, however, no sheen on the water was observed and no odor was noted in the soil that was removed. The tank was ultimately removed with no contamination encountered and the NYSDEC records indicate that the case is closed with no further action needed. Mr. Pecoraro indicated that this UST was located at the Sampson State Park maintenance building to the south of the main entrance. This location is over one mile southeast of the Lake Housing Area and is crossgradient of the U.S. Army property. A map showing the location of this UST is included as part of Attachment 1.

Comment A-14:

Potential Areas of Concern/Rumors List Analysis: With SEDA's April 11, 1995 letter, a list of potential areas of concern was compiled. In EPA's August 9, 1996 letter regarding Woodward-Clyde's Sampling Analysis Recommendations, we commented that the potential areas of concern/rumors list should be included in the Sampling Analysis Recommendations. EPA's concerns were addressed in the EBS with the exception of rumor numbers 4, 6, 8, 9 10, 11, 12, 14 and 17: EPA is unable to concur that these areas or any SEDA property which may have been impacted by these areas is "uncontaminated."

Response:

Concerning rumor number 4, conflicting information was obtained concerning the use of abandoned wells for waste disposal and specific locations could not be identified. No further effort will be addressed for this rumor unless new information is found.

Concerning rumor number 6, this rumor has been confirmed and a location for this activity has been identified that corresponds with BRAC parcel 138(7) in the Final EBS report.

Concerning rumor number 8, this rumor was not confirmed and no interviewees had any knowledge of the rumored activity. However, a potential location for this activity has been identified and this corresponds with BRAC parcel 140(7) in the Final EBS report.

Concerning rumor number 9, this rumor was not confirmed and no interviewees had any knowledge of the rumored activity. However, a potential location for this activity had been identified and this corresponds with BRAC parcel 139(7) in the Final EBS report.

Concerning rumor number 10, analysis of aerial photographs revealed no evidence of a pond in the reported area. No further effort will be addressed for this rumor unless new information is found.

Concerning rumor number 11, this rumor was not confirmed and no interviewees had any knowledge of the rumored activity. However, a potential location for this activity has been identified and this corresponds with BRAC parcel 109(7) in the Final EBS report.

Concerning rumor number 12, this rumor was not confirmed and no interviewees had any knowledge of the rumored activity. However, a former staging area has been identified in an aerial photograph and this area is within BRAC parcel 57(6)PS/PR/HR in the Final EBS report.

Concerning rumor number 14, this rumor has been confirmed and a location for this activity has been identified that corresponds with BRAC parcel number 137(7).

Concerning rumor number 17, this rumor has been confirmed and the location of this activity is part of the No Action SWMU SEAD-51. This rumor is associated with the use of herbicide treated soil for fill in the area of the high security fenceline. The use of herbicides along the high security fenceline has been investigated, and no further work is required in this area. Therefore, the inclusion of this area in BRAC parcel 3(1) is appropriate.

Comment A-15:

BRAC Parcel 1

EPA concurs with the Army's identification of "uncontaminated" property in Parcel 1 with the following exceptions:

EPA is unable to concur that Parcel 1 property downgradient of the above ground storage tank (AP-2 AST) is "uncontaminated." The EBS indicates that AP-2 AST has a large hole in its side and a large visible stain of petroleum product observed around its base. Although not on Army property, the tank is located hydraulically upgradient of and adjacent to Parcel 1.

Response:

We do not concur. This tank is not located adjacent to BRAC Parcel 1, it is located adjacent to BRAC Parcel 3, but downgradient from it. During the 1995 EBS visual inspection of this area no evidence was observed of migration of product onto the adjacent U.S. Army property. Based on surface drainage patterns in this area it is projected that groundwater flow in this area would be to the west-southwest and would, therefore, be crossgradient to BRAC Parcel 1.

Comment A-16:

EPA is unable to concur that Parcel 1 property downgradient of Trash Dump (AP-3) is "uncontaminated." Although not on Army property, the Army has not demonstrated that the trash dump does not include any hazardous substances or petroleum products and that no migration onto Parcel 1 has occurred.

Response:

On October 1, 1997, this site was visited by U.S. Army and Woodward-Clyde personnel. At that time it was determined that this site is actually on the U.S. Army property and a more thorough characterization of the site was made. It was noted that the materials clearly represent farm trash that was dumped at this location. Materials observed included: numerous pieces of milled lumber of various sizes, some of which were burnt; guttering; sheet metal; six empty 5-gallon buckets, one with a label indicating it had contained soap; 3 empty plastic bleach bottles; a bed spring; numerous aluminum soda or beer cans with the older type of pull-top; numerous soda bottles; a milk of magnesia bottle; several pig skulls with bullet holes; one goat skull; a few pieces of stove pipe; one 25-gallon rusted out drum; one 40-gallon rusted out drum; one 1-gallon can labeled 2-4-D Amine; a shoe; field fence; a tire; a 1-gallon thermos; a fabric softener bottle; various sized food jars; a plastic mustard squeeze bottle; and one shingle. The trash dump extends about 200 feet from the northern edge of the top the Kendaia Creek ravine south down the steep slope of the ravine to the flat area at the bottom, and for about 100 feet east to west at its widest point. The deposits appear to the result of a single dumping event, with the materials dumped at the top of the ravine and then spread out due to gravity. Based on the depositional nature of the site, the types of materials present, and the observation of moss growing on some of the materials, it is estimated that these materials were dumped there approximately 10 to 20 years ago.

Although it appears that these materials have been here for several years and that the cans and drums were probably empty when disposed of, the U.S. Army is nonetheless concerned about this site. Therefore, a one-quarter acre category 7 parcel corresponding to this location will be added to the Version 2 BRAC Cleanup Plan Report. The new BRAC Parcel has been designated 149(7).

Comment A-17:

BRAC Parcel 2

EPA concurs with the Army's identification of "uncontaminated" property in Parcel 2 with the following exceptions:

EPA is unable to concur that areas where aircraft fueling or chemical de-icing operations were conducted or any property that may have been impacted by these areas are "uncontaminated."

Response:

BRAC guidance indicates that entire airfields should not be excluded from Category 1 on the basis that they are airfields, alone. Unless evidence exists of storage, release, or disposal, airfields should not be excluded from Category 1. However, the U.S. Army has agreed to investigate three additional areas at the Airfield where fueling operations were regularly conducted. The EBS investigations found no evidence that de-icing operations ever took place at the Airfield.

Comment A-18:

EPA is unable to concur that the portion of this parcel that the *Seneca Army Depot Land Use & GSA Outside Stock Commodities Map* (February 1992) delineates as Training Ranges is "uncontaminated." This area includes but is not limited to BRAC parcel 114Q-X, a firing range.

Response:

We do not concur. Property that was used as intended for military training or operations in which residual UXO, ordnance fragments, and/or explosive materials are present or may be present has been identified and documented in the EBS report. The U.S. Army is actively implementing a UXO program. Prior to transfer or lease, a FOST or FOSL will be prepared to determine whether, and how, to proceed.

Comment A-19:

EPA is unable to concur that BRAC Parcel 115Q-X, a skeet range, is "uncontaminated."

Response:

See response to comment A-18.

Comment A-20:

State spill records indicate that a prior UST located at building 2310 leaked jet fuel and was removed. State records also report a jet fuel spill from a tanker truck at building 2305. EPA is unable to concur that any property impacted by these releases is "uncontaminated."

Response:

Concerning the release at Building 2310, this area has been identified in the Final EBS Report and it corresponds with BRAC parcel 6(4)PS/PR in that report. State spill number 9402116 was assigned to this spill and it was closed out on May 12, 1994.

Concerning the release at Building 2305, this area has been identified in the Final EBS Report and it corresponds with BRAC parcel 8(4)PS/PR. State spill numbers 9011429, 9100721, and 9411405 were associated with this site. These spills were closed out on January 30, 1991, April 18, 1991, and November 26, 1994, respectively.

Comment A-21:

BRAC Parcel 3

EPA concurs with the Army's identification of "uncontaminated" property in Parcel 3 with the following exceptions:

EPA is unable to concur that any of the parcels or buildings listed in *Table 5-3 Potential UXO Hazards* with the descriptions "storage for disposal", "possible surface or buried UXO", "potential for UXO fragments," "potential firing of explosive ordnance" are "uncontaminated."

Response:

We do not concur. Property that was used as intended for military training or operations in which residual UXO, ordnance fragments, and/or explosive materials are present or may be present has been identified and documented in the EBS report. The U.S. Army is actively implementing a UXO program. Prior to transfer or lease, a FOST or FOSL will be prepared to determine whether, and how, to proceed.

Comment A-22:

EBS *Section 4.4.6 Radionuclides* states that a decommissioning survey was performed on 64 Special Weapons Area ammunition igloos to confirm that the igloos have no radiation contamination. The survey was conducted because these igloos have been used for the storage of special weapons. The EBS then states that no fixed or removable radiological contamination was found that exceeded regulatory guidelines and requirements at these surveyed sties. Excerpts provided by the Army on March 17, 1997, from a July 14, 1993 report, entitled

"Decommissioning Survey, Seneca Army Deport (SEAD), Romulus, NY" indicate that the survey was conducted to meet Nuclear Regulatory Commission Guidelines for Decommissioning of Facilities and Equipment Prior to Release for Unrestricted Use; however, only 56 of the 64 igloos were surveyed. The remaining igloos were in use and unavailable for survey. However, the information provided does not identify which of the 64 igloos were surveyed and which were unavailable. EPA is therefore unable to concur that any property which may have been impacted by these 64 storage igloos is "uncontaminated." As the Army may provide clarifying survey information (e.g., the full 1993 report with appendices), EPA will assist in recategorizing these structures/properties as appropriate.

Response:

In 1994, a follow-up decommissioning survey of the eight remaining storage igloos was performed using the same protocols as those in the 1992 to 1993 survey. As a result of this survey, no fixed or removable radiological contamination was found at the surveyed sites that exceeded regulatory guidelines and requirements. This survey concluded that these remaining eight storage bunkers may be released for unrestricted use. A copy of the report for the 1994 decommissioning survey has been included as Attachment 2.

Comment A-23:

SEDA has also qualified for Radionuclides 96 additional storage igloos which the Army has indicated are scheduled to be surveyed before transferring the property. EPA is unable to concur that any property which may have been impacted by these 96 storage igloos is "uncontaminated." As the Army may provide clarifying survey information, EPA will assist in recategorizing these structures/properties as appropriate.

Response:

The U.S. Army will provide the EPA with the results of radiological surveys at the identified storage igloos as they become available.

Comment A-24:

EPA is unable to concur that any part of the North Depot Area is "uncontaminated." The boundaries of this area are defined as the SEDA property line to the north, high security fence line to the east, and south, and North Patrol Road to the southwest. The area is surrounded on

three sides by BRAC Parcels 104(6)PR/HS/HR and 98(6)PS/HS/HR where hazardous substances have been released and further investigations are scheduled to characterize the extent of contamination, but no remediation has been initiated. In addition, state spill records indicate that spills have occurred within the North Depot area.

Response:

The potential areas of concern in the North Depot Area in the Draft Final EBS Report were expanded in the Final EBS Report. They are now identified as being bounded by the high security fence on the north, east, and southwest and the first row of storage igloos on the south. It is the position of the U.S. Army that this area as defined is the area of concern as agreed to by the EPA and NYSDEC concerning the identified SWMUs SEADs-12 and 63. This area as defined corresponds with BRAC parcels 53(5)HR, 98(6)PS/PR/HS/HR, and 103(6)HR in the Final EBS Report.

Concerning the spills reported in the North Depot Area, all of these cases through 1996 are considered closed by the NYSDEC. No further remedial actions are required and the properties should be considered uncontaminated.

Comment A-25:

The *Seneca Army Depot Land Use & GSA Outside Stock Commodities Map* (February 1992) shows a silicon carbide ore pile off of West Kendaia Road and west of buildings 2200 and 2201. EPA is unable to concur that the property in the vicinity of this storage area is "uncontaminated."

Response:

During the EBS process, the various open ore storage piles at SEDA were assessed for their potential for the release of hazardous materials to the environment. At that time, several of the ore types were identified as being potentially toxic and having the potential to be released to the environment. In the case of silicon carbide ore it was determined that the material itself is non-toxic.

Additionally, a study by the Defense National Stockpile Center to determine the actual characteristic leaching potential of silicon carbide and other materials has been conducted (*A Study of the Characteristic Leaching Potential of Defense National Stockpile Ores, Minerals, and Alloys*, undated report). The results of this study indicated that the degree of leaching for

all of the materials studied fell well within prescribed EPA levels for the heavy metals of concern even under the "worst case scenario" situation. The specific results for silicon carbide were even lower then many of the other materials analyzed. Therefore, the Category 1 designation for this ore pile is appropriate. A copy of the report is included as Attachment 3.

Comment A-26:

EPA is unable to concur that BRAC Parcels 117Q-X (suspected ammunition burial/disposal area) and 119Q-X (suspected small arms range) are "uncontaminated."

Response:

We do not concur. Property that was used as intended for military training or operations in which residual UXO, ordnance fragments, and/or explosive materials are present or may be present has been identified and documented in the EBS report. The U.S. Army is actively implementing a UXO program. Prior to transfer or lease, a FOST or FOSL will be prepared to determine whether, and how, to proceed.

Comment A-27:

Upgradient of Army property, approximately at "CERFA" map location 4,19, a leaking underground petroleum tank is identified in Table 4-5 of the EBS. The release discovery date is September 17, 1993. EPA is unable to concur that any Army property downgradient of this tank which may have been impacted by this release is "uncontaminated."

Response:

Table 4-5 in the Final EBS Report contains an error concerning this leaking underground storage tank. The actual discovery date was November 15, 1994, however, the remaining information in the table concerning this incident is accurate. Additional information concerning this release was obtained from NYSDEC and is included as Attachment 4. The correspondence included with this information indicates that the situation has been corrected and that the case is closed. If evidence had been found during the investigation of this release that adjacent properties were impacted, additional cleanup or investigation would have been required by NYSDEC. Therefore, it can be concluded that this incident has had no impact on U.S. Army property.

Comment A-28:

EPA is unable to concur that BRAC Parcel 122Q-X is "uncontaminated." This area is also known as SEAD-46, Small Arms Range, which is scheduled to be investigated through the RI/FS process.

Response:

We do not concur. Property that was used as intended for military training or operations in which residual UXO, ordnance fragments, and/or explosive materials are present or may be present has been identified and documented in the EBS report. The U.S. Army is actively implementing a UXO program. Prior to transfer or lease, a FOST or FOSL will be prepared.

Comment A-29:

State spill records indicate fuel oil spills occurred at building 103 (BRAC Parcel 23(2)PS) and building 118 (BRAC Parcel 24(2)PS/HS) and a diesel spill occurred at building 129 (BRAC Parcel 29(2)PS). EPA is unable to concur that these parcel are "uncontaminated."

Response:

Concerning the release at Building 103, the location of this release was not identified in the Draft Final or Final EBS Reports. BRAC Parcel 23(2)PS will be changed to indicate that a petroleum release occurred at this location in the Version 2 BRAC Cleanup Plan Report and the CERFA letter report will be revised. All required cleanup actions have been taken at this site and NYSDEC records indicate that the case was closed on June 21, 1988. State spill number 8706958 is associated with this site.

Concerning the release at Building 118, this area has been identified in the Final EBS Report and it corresponds with BRAC parcel 24(3)PS/PR HR. State spill number 9204312 was assigned to this site and it was closed on July 15, 1992.

Concerning the release at Building 129, this area has been identified in the Final EBS Report and it corresponds with BRAC parcel 29(3)PS/PR. State spill number 9402116 was assigned to this spill and it was closed out on May 12, 1994.

Comment A-30:

A Seneca County Highway Department (AP-1) facility is located upgradient of Army property near its eastern boundary approximately at CERFA map location 17, 24. This facility is

described in the EBS as a heavy equipment and maintenance yard and shop with numerous USTs and ASTs in various states of neglect and disrepair. Spill records in Appendix B of the EBS indicate a tank failure/gasoline spill occurred which impacted groundwater at this facility. The EBS states that this property should be environmentally characterized for potential soil and groundwater contamination. EPA is unable to concur that any Army property which may have been impacted by this facility is "uncontaminated."

Response:

No evidence was observed during the 1995 EBS visual inspection of this adjacent property to indicate that any product ever migrated to the U.S. Army property. Furthermore, the problems observed at the source area can be characterized as poor housekeeping, and although there appears to have been releases, they also appear to be minor in extent. Therefore the potential for the site to have affected adjacent SEDA property is small.

Concerning the reported tank failure, this occurred in 1987 and according to the state records the cleanup is complete and the case is closed. If evidence had been found during the investigation of this release that adjacent properties were impacted, additional cleanup or investigation would have been required by NYSDEC. Therefore, it can be concluded that this incident has had no impact on U.S. Army property.

Comment A-31:

Table 4-5 of the EBS indicates that upgradient of SEDA property, at approximate CERFA map location 17,25, a leaking underground fuel oil tank was discovered March 7, 1991. EPA is unable to concur that Army property which may have been impacted by this tank is "uncontaminated."

Response:

Although the location of this release is within the prescribed radius for the records searches, it is approximately one-mile from the installation boundary. The state records indicate that 20 gallons of fuel oil were released affecting soil but not groundwater. Furthermore, the table incorrectly states that this location is located upgradient from the U.S. Army property; it is actually located downgradient from the U.S. Army property. Additionally, the state records indicate that the cleanup is complete and the case is closed. If evidence had been found during the investigation of this release that adjacent properties were impacted, additional cleanup or

investigation would have been required by NYSDEC. Therefore, it can be concluded that this incident has had no impact on U.S. Army property.

Comment A-32:

State spill records indicate that fuel oil spills occurred at or in the vicinity of buildings 212 and 214. EPA is unable to concur that property in the vicinity of these releases/buildings is "uncontaminated."

Response:

Concerning the release at Building 212, this area has been identified in the Final EBS Report and it corresponds with BRAC parcel 135(4)PS/PR. State spill number 8910053 was associated with this site and it was closed out on December 19, 1990.

Concerning the release at Building 214, the location of this release was not identified in the Draft Final or Final EBS Reports. A parcel corresponding with this location and indicating a petroleum release will be added to the Version 2 BRAC Cleanup Plan Report and the CERFA letter report will be revised. All required cleanup actions have been taken at this site and NYSDEC records indicate that the case was closed on April 2, 1997. State spill number 9203242 was assigned to this site and it was closed out on April 2, 1997. The new BRAC Parcel has been designated 145(2)PS/PR.

Comment A-33:

State spill records indicate that a methylene chloride spill occurred associated with building 323. EPA is unable to concur that property in the vicinity of this release/building is "uncontaminated."

Response:

Concerning the release at Building 323, this area has been identified in the Final EBS Report and it corresponds with BRAC parcel 17(3)HS/HR. State spill number 9112897 was associated with this site and it was closed out on March 18, 1992.

Comment A-34:

State spill records indicate that DS2, a caustic cleaner containing diethylene triamine and ethylene glycol methyl ether, was spilled at building 329. EPA is unable to concur that property in the vicinity of this release/building is "uncontaminated."

Response:

This release consisted of 2.5 gallons of DS-2 that were spilled on September 10, 1992 inside of a railroad boxcar that was being offloaded into Building 329. The spill was confined to the inside of the boxcar and the material was not released to the environment. Therefore, the designation of this parcel as uncontaminated is appropriate.

Comment A-35:

State spill records indicate that a DS2 spill occurred at building 330. In addition, a waste oil spill occurred south of building 330. EPA is unable to concur that property in the vicinity of these releases/building is "uncontaminated."

Response:

Concerning the DS2 released at Building 330, this area has been identified in the Final EBS Report and it corresponds with BRAC parcel 13(3)HS/HR. State spill number 9306000 was assigned to this spill and it was closed out on July 19, 1994.

Concerning the waste oil release south of Building 330, the location of this release was not identified in the Draft Final or Final EBS Reports. A parcel corresponding with this location and indicating a petroleum release will be added to the Version 2 BRAC Cleanup Plan Report and the CERFA letter report will be revised. All required cleanup actions have been taken at this site and NYSDEC records indicate that the case was closed on August 31, 1993. State spill number 9306648 was assigned to this spill. The new BRAC Parcel has been designated 148(4)PR/HR.

Comment A-36:

State spill records indicate that a diesel fuel spill occurred at building 342 affecting soil. EPA is unable to concur that property in the vicinity of this release/building is "uncontaminated."

Response:

The location of this release was not identified in the Draft Final or Final EBS Reports. A parcel corresponding with this location and indicating a petroleum release will be added to the Version 2 BRAC Cleanup Plan Report and the CERFA letter report will be revised. All requested cleanup actions have been taken at this site and NYSDEC records indicate that the case was closed on August 1, 1996. State spill number 9601515 was associated with this site. The new BRAC Parcel has been designated 144(2)PR.

Comment A-37:

State spill records indicate that hydraulic fluid spills occurred around the perimeter of building 349 and behind C-509 IGLOO. EPA is unable to concur that property in the vicinity of these releases/buildings is "uncontaminated."

Response:

Concerning the release at Building 349, this area has been identified in the Final EBS Report and it corresponds with BRAC parcel 130(3)PR/HR(P). State spill number 9109685 was associated with this spill and it was closed out on December 10, 1991.

Concerning the release at Igloo C-509, this area has been identified in the Final EBS Report and it corresponds with BRAC parcel 132(3)PR/HR(P). State spill number 9206638 was assigned to this spill and it was closed out on September 8, 1992.

Comment A-38:

Spill records in Appendix B of the EBS indicate that fuel oil and gasoline spills occurred associated with building 357 and that the cases remain open. State spill records indicate that DS2 spilled at this building. EPA is unable to concur that property in the vicinity of these releases/building is "uncontaminated."

Response:

We concur with the general comment that spills of petroleum products and DS-2 have occurred at Building 357. Concerning these releases, this area has been identified in the Final EBS Report and it corresponds with BRAC parcel 131(3)PS/PR/HS/HR. State spill number 8708149 was associated with this site and it was closed out on May 4, 1988.

Concerning the comment that Appendix B indicates a spill at Building 357 and that the case remains open, we do not concur. On pages 8 and 9 of the Vista National Radius Profile portion of Appendix B, two cases are listed as being associated with Building 357. This is incorrect. The second case, dated March 27, 1992, is actually associated with Building 2411. Please see the response to comment number 42 which addresses Building 2411.

Comment A-39:

The *Seneca Army Depot Land Use & GSA Outside Stock Commodities Map* (February 1992) shows a silicon carbide ore pile on 8th Street across from building 350. EPA is unable to concur that the property in the vicinity of this storage area is "uncontaminated."

Response:

During the EBS process, the various open ore storage piles at SEDA were assessed for their potential for the release of hazardous materials to the environment. At that time, several of the ore types were identified as being potentially toxic and having the potential to be released to the environment. In the case of silicon carbide ore it was determined that the material itself is non-toxic. Therefore, the Category 1 designation for this ore pile is appropriate.

Additionally, a study by the Defense National Stockpile Center to determine the actual characteristic leaching potential of silicon carbide and other materials has been conducted (*A Study of the Characteristic Leaching Potential of Defense National Stockpile Ores, Minerals, and Alloys*, undated report). The results of this study indicated that the degree of leaching for all of the materials studied fell well within prescribed EPA levels for the heavy metals of concern even under the "worst case scenario" situation. The specific results for silicon carbide were even lower then many of the other materials analyzed. Therefore, the Category 1 designation for this ore pile is appropriate. A copy of the report is included as Attachment 3.

Comment A-40:

Spill records in Appendix B of the EBS indicate a diesel spill occurred at Loran Station C. EPA is unable to concur that property in the vicinity of this release is "uncontaminated."

Response:

Concerning the release at the LORAN Station, this area has been identified in the Final EBS Report and it corresponds with BRAC parcel 44(3)PR/HR. State spill number 9306216 was assigned to this site and it was closed out on August 19, 1993.

Comment A-41:

BRAC Parcel 4

EPA concurs with the Army's identification of "uncontaminated" property in Parcel 4 with the following exception:

State spill records indicate that adjacent to this parcel, a petroleum spill occurred in the vicinity of buildings 212 and 214. Parcel 4(1) may be downgradient of this release. EPA is unable to concur that Parcel 4(1) property downgradient of this release is "uncontaminated."

Response:

The cases referenced located adjacent to Parcel 4 have been investigated by the U.S. Army. All cleanup actions have been taken and they are closed. If contamination had been discovered that extended into Parcel 4, additional cleanup actions would have been required by NYSDEC. Therefore, it can be concluded that these releases have had no impact on this parcel. See comment A-32 and the response.

Comment A-42:

BRAC Parcel 5

EPA concurs with the Army's identification of "uncontaminated" property in Parcel 5 with the following exception:

State spill records indicate that fuel oil releases have occurred at buildings 2411, 2448 and 2452. EPA is unable to concur that property in the vicinity of these releases/buildings is "uncontaminated."

Response:

Concerning the release at Building 2411, the location of this release was not identified in the Draft Final or Final EBS Reports. A parcel corresponding with this location and indicating a petroleum release will be added to the Version 2 BRAC Cleanup Plan Report and the CERFA

letter report will be revised. All required cleanup actions have been taken at this site and NYSDEC records indicate that the case was closed on May 24, 1994. State spill number 9113164 was associated with this site. The new BRAC Parcel has been designated 141(2)PS/PR.

Concerning the release at Building 2448, the location of this release was not identified in the Draft Final or Final EBS Reports. A parcel corresponding with this location and indicating a petroleum release will be added to the Version 2 BRAC Cleanup Plan Report and the CERFA letter report will be revised. All required cleanup actions have been taken at this site and NYSDEC records indicate that the case was closed on July 19, 1994. State spill number 9106466 was assigned to this spill. The new BRAC Parcel has been designated 142(2)PS/PR.

Concerning the release at Building 2452, this area was identified in the Final EBS Report and it corresponds with BRAC parcel 133(4)PS/PR. State spill number 9204266 was assigned to this spill and it was closed out on July 19, 1994.

Comment A-43:

It is our understanding that the EBS is to be a "living document;" namely that, based on new information, the EBS will be updated periodically. Therefore, as additional information regarding property and underlying groundwater may be provided by the Army, EPA will assist in recategorizing property as appropriate.

Response:

We do not concur. The EBS, which is intended to establish environmental baseline conditions at the time of the survey, is not a "living document" in that it will not be revised beyond the final report which was issued on March 3, 1997. However, the *BRAC Cleanup Plan (BCP) Report* which was issued in October, 1996, and contains a summary of the environmental condition of property, will be updated periodically. Revisions of the BCP report will reflect new information on environmental condition of property as a result of additional investigations or ongoing remedial actions.

Comment A-44:

Please note that documentation as to the identification of "uncontaminated" property must be made available to the public as required by Section 120(h)(4) of CERCLA.

Response:

Comment noted.

Attachment 1

New York State Office of Parks, Recreation and Historic Preservation
Finger Lakes Region — PO Box 1055, Taughannock Park Road, Trumansburg, New York 14886-0721 607-387
FAX 607-387

Bernadette Castro, Comm
John C. Clancy, Regional

"FAX" COVER LETTER

TO: BOB MUTA 303-694-3946

FROM: TONY PECORARO

Number of pages (including cover letter): 3

If you have a problem with this transaction,

CONTACT: TONY

AT: 607/387-7041 EXT. 124

DATE: 10/3/97

X FOR YOU INFORMATION ____ RETURN REPLY REQUESTED

____ FOR YOUR APPROVAL ____ PER OUR DISCUSSION

X AS YOU REQUESTED

MESSAGE: Here is the spill report and remarks made by the NY State Dept. of Environmental Conservation. This tank was located in our Maintenance area, south of the Entrance to the Park.

If you need anything else, please call me at 607-387-7041 extension 124.

- TONY.

Spill Number: 8911337 **Spill Name:** SAMPSON STATE PARK **Printed on:** 10/03/9

DEC REMARKS

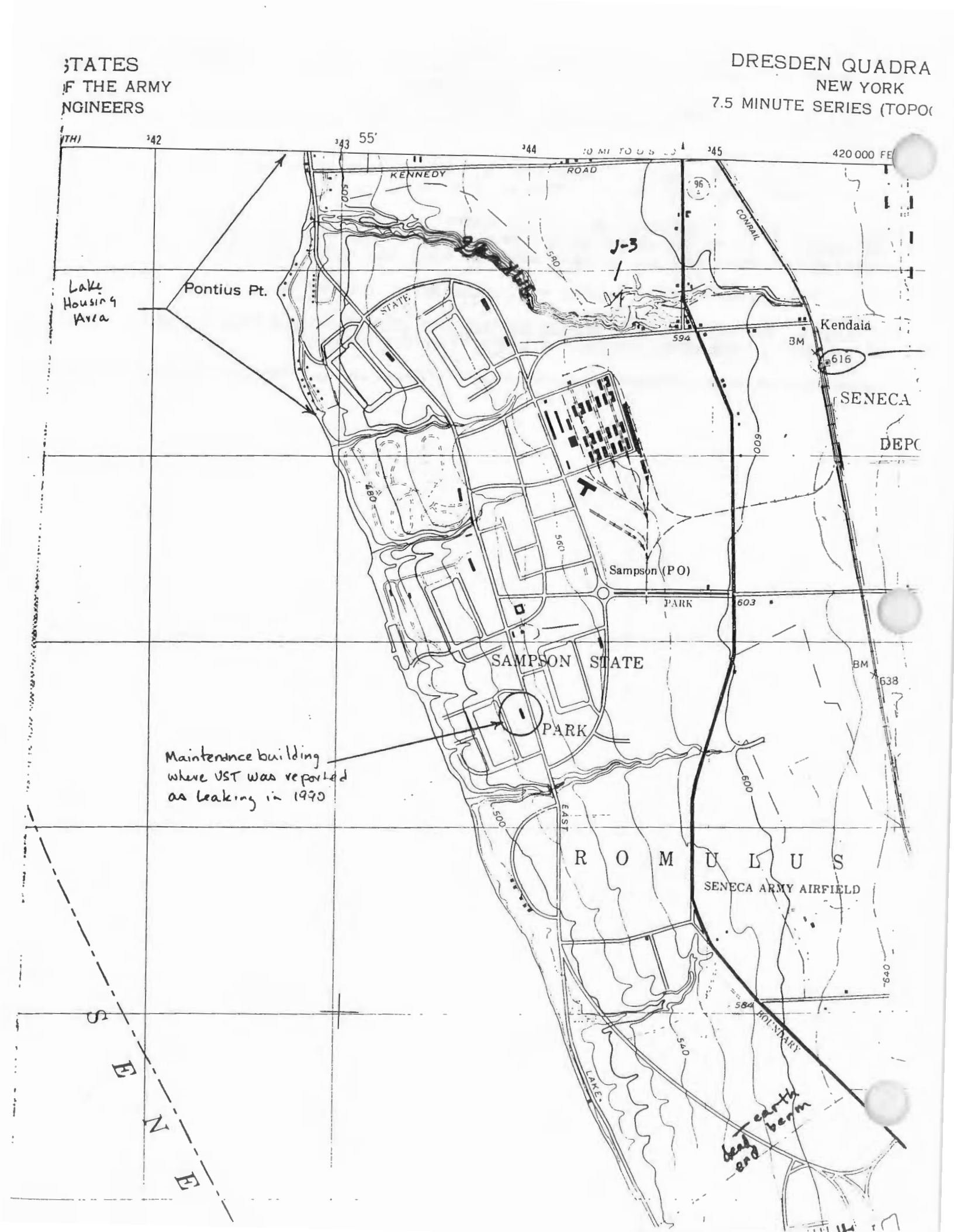
03/01/90: TANK CHECKED ON 2/1/90 22" TOTAL LIQUID IN TANK ~130 GAL OF PRODUCT. TANK CHECKED ON 3/1/90 NO PRODUCT HAD BEEN ADDED. TANK WAS NEARLY FULL OF WATER.

03/01/90: ADVISED OWNER TO HAVE PRODUCT PUMPED OFF ASAP, SUPPLIED CONTRACTOR NAMES. OWNER WILL NOTIFY US PRIOR TO TANK REMOVAL.

04/03/91: BS & MZ ARRIVED ON SITE & FOUND TANK TOP EXPOSED W/WATER IN EXCAVATION. NO SHEEN ON WATER OR ODOR TO SOIL THAT HAS BEEN REMOVED. FRASER & MORT NOT ON SITE YET SO WE LEFT WITH NO PROBLEMS FOUND ON SITE.

04/03/91: BS TO CONTACT FRASER WITH RESULTS OF INSPECTION.

04/19/91: BS TELCON W/DON FRASER OF OGS WHO SAID TANK WAS REMOVED NEXT DAY WITH NO CONTAMINATION ENCOUNTERED. NO FURTHER ACTION NEEDED.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Sampson (PO)
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SAMPSON STATE
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638
Maintenance building where UST was reported as leaking in 1990
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EAST
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R O M U L U S
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BOUNDARY
540
LAKE
earth berm
dead end
S
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E

Attachment 2

DEPARTMENT OF THE ARMY
SENECA ARMY DEPOT ACTIVITY
5786 STATE RTE 96
ROMULUS NEW YORK 14541-5001

REPLY TO
ATTENTION OF

SDSTO-SEM-P (385-11a)

MEMORANDUM THRU

Commander, Tobyhanna Army Depot, 11 Hap Arnold Blvd., Tobyhanna, PA 18466-5000

Commander, U.S. Army Depot System Command, ATTN: AMSDS-IN-S, Chambersburg, PA 17201

FOR Commander, U.S. Army Materiel Command, ATTN: AMCSF (J. Manfre), 5001 Eisenhower Ave., Alexandria, VA 22333

SUBJECT: Decommissioning Survey, SEDA, Romulus, NY

EXECUTIVE SUMMARY

1. The purpose and summary of the findings for subject survey are as follows:

a. PURPOSE: At the request of HQ, U.S. Army Materiel Command and U.S. Army Depot System Command, we performed a decommissioning survey of the remaining eight (8) munitions storage bunkers at SEDA for the purpose of releasing the sites for unrestricted use.

b. SUMMARY: No fixed or removable radiological contamination was found at the surveyed sites that exceeded regulatory guidelines and requirements. Based upon these findings, the munitions storage bunkers listed in Appendix A may be released for unrestricted use.

2. A detailed report of the survey is at enclosure.

3. POC's are Mr. Thomas Reynolds or Mr. John Cleary, Facsimile on DSN 489-5933; or Voice on DSN 489-5370 or COM (607) 869-1370.

Ray E. Johnson

Encl

ROY E. JOHNSON
LTC, OD
Commanding

DECOMMISSIONING SURVEY
SENECA ARMY DEPOT ACTIVITY
MUNITIONS STORAGE BUNKERS
ROMULUS, NY

1. REFERENCES:

a. Report, Radioactive Material Decommissioning Survey - Seneca Army Depot (SEAD), dated 14 July 1993.

b. AR 385-11, Ionizing Radiation Protection, 1 May 1990.

c. NUREG/CR-5849, Manual for Conducting Radiological Surveys in Support of License Termination, 1 June 1992.

d. U.S. Nuclear Regulatory Commission, Guidelines for Decontamination of Facilities and Equipment Prior to Release for Unrestricted Use or Termination of Licenses for Byproduct, Source, or Special Nuclear Material, 1 May 1987.

2. AUTHORITY: Reference 1a.

3. PURPOSE: Perform a decommissioning survey of munitions storage bunkers at SEDA for the purpose of releasing the sites for unrestricted use.

4. BACKGROUND:

a. The SEDA Radiological Assistance Team (RAT) was requested to finish the decommissioning surveys of the remaining eight munitions storage bunkers not surveyed by June 1993. The surveys were required for the purpose of ascertaining and quantifying the existence of any radiological contamination. The following bunkers were identified to be surveyed: A0202, A0204, A0206, A0208, A0212, A0213, A0218, and A0305. During the period from 26 August 1994 to 17 November 1994, the eight (8) bunkers have been surveyed. The ancillary maintenance buildings are, at this time, being utilized, and not available for survey.]

b. The decommissioning survey consisted of: (1) portable RADIAC meter readings for the detection of fixed contamination levels, (2) wipe test samples., for the quantification of removable gross alpha/beta and tritium contamination, (3) and the collection of sand samples from A0202 and A0204 for radioanalytical.

c. The portable RADIAC meter survey and wipe testing of the bunkers was performed by members of the SEDA RAT team in accordance with (IAW) procedures identified in Appendix B. The U.S. Army Ionizing Radiation Dosimetry Center (USATA) at Lexington, KY provided radioanalysis of the samples collected

and the interpretation of laboratory results.

5. SEDA RAT Team Survey:

a. Fixed Contamination Quality Control Procedures:

(1) In-house quality control measures were performed to verify the operation of the portable RADIAC meters prior to deployment. The instrument used to determine fixed alpha activity was a Ludlum Model 3 with a Model 43-5 scintillation probe. The instrument used to determine fixed beta-gamma activity was a Ludlum Model 3 with a Model 44-9 Geiger-Mueller (G-M pancake) probe.

(2) Prior to entering each bunker, a background count for each instrument was obtained by holding the detector at ground level for a sufficient time to allow meter to stabilize.

b. Fixed Contamination Survey Techniques:

(1) The surveys were performed to meet the requirements of references 1c and 1d. SEDA RAT utilized three person teams to perform each bunker survey, one for meter readings, one for taking swipes, and one for recording data.

(2) Prior to surveying each bunker, a grid pattern of 4'x5' rectangles was drawn on all the bunker surfaces. These dimensions were chosen for ease of drawing out the grid pattern in the bunker structure, yet remaining within the requirements of reference 1c. (enclosures 1 - 4)

(3) A fixed gross alpha and gross beta/gamma radiation reading was obtained in each grid location. (enclosure 5)

c. Removable Contamination Survey:

(1) Wipe Test Samples: For each grid location, two swipes, i.e., NuCon smears and S&S filter swipes, were obtained to detect for removable gross alpha/beta and tritium contamination, respectively, over a 100 square centimeter area on the bunker surfaces. The samples were sent to the Dosimetry Center laboratory for analysis.

(2) NuCon smears were used for the detection of removable gross alpha/beta contamination. The smears were arranged in packets corresponding to the specific location identification number assigned to each bunker. Upon completion of the structure, samples were sent for analysis.

(3) S&S 9A85 Membrane filters were used for the detection of tritium contamination. Each filter was dampened with distilled water prior to use. After swiping, the

dampened filter was placed in a 20 milliliter (ml) glass liquid scintillation vials with 2ml of distilled water in the vial. The vials were marked on the cap with the corresponding specific location identification numbers assigned to each bunker. Upon completion of the structure, samples were sent to the USATA at Lexington for analysis.

(4) Sand Samples: These samples were collected to determine the presence of tritium contamination from within the inner styrofoam dividers utilized in bunkers A0202 and A0204. The sand samples were placed in plastic bags and sent to the Radiation Research Office, U.S. Army Test, Measurement and Diagnostic Equipment Activity laboratory at Fort Belvoir, Virginia for analysis. A detailed summary of the sand can be found in Appendix C.

6. USATA Laboratory Procedures:

a. The sample procedures used at the laboratory can be found in Appendix D.

b. The laboratory results can be found in enclosure 6.

7. Decommissioning Survey Results:

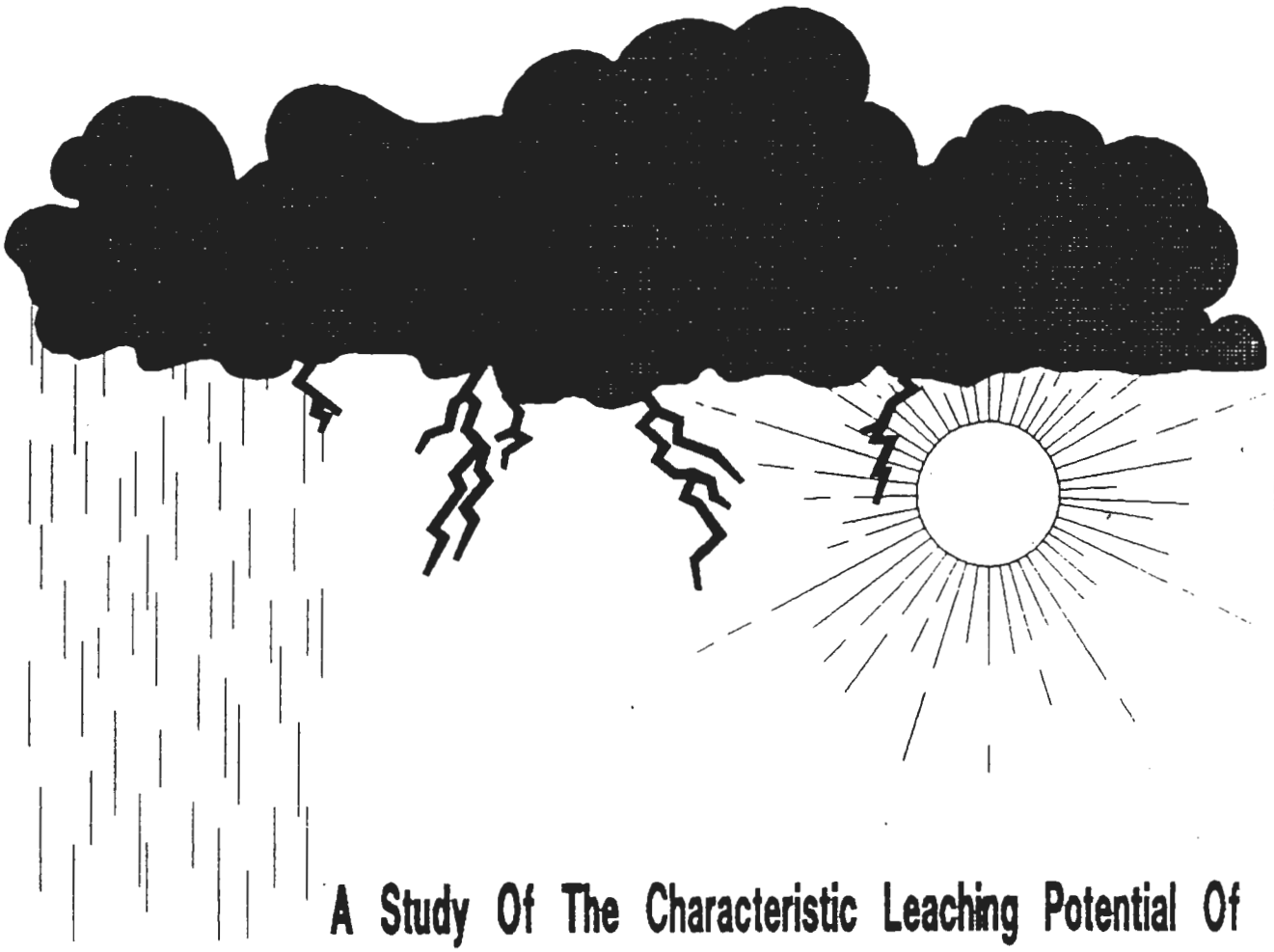
a. Fixed Contamination Instrument Survey: No fixed alpha/beta meter readings were detected above releasable limits for unrestricted use throughout the bunkers surveyed.

b. Removable Contamination Survey: The analysis of the wipe tests reveals no removable activity exceeding the contamination limits set forth by references 1b and 1c.

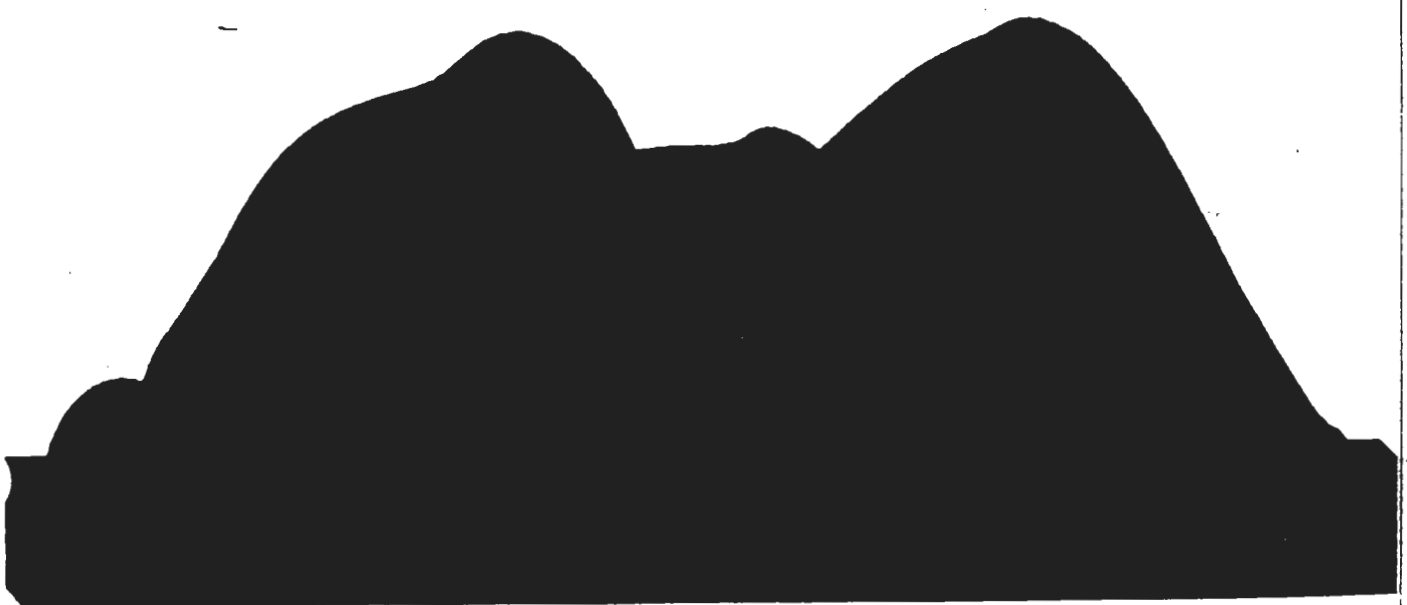
c. The instrument and laboratory results are provided at enclosure 6.

8. CONCLUSION:

Based upon the results of our decommissioning survey of the munitions storage bunkers listed in Appendix A, no fixed or removable radiological contamination was found at the surveyed sites that exceeded regulatory guidelines and requirements. The munitions storage bunkers identified may be released for unrestricted use.



A Study Of The Characteristic Leaching Potential Of Defense National Stockpile Ores, Minerals and Alloys



FORWARD

THIS STUDY WAS PERFORMED TO RESOLVE SEVERAL ENVIRONMENTAL ISSUES REGARDING THE OUTDOOR STORAGE OF STRATEGIC AND CRITICAL MATERIALS AND TO ASSIST THE DEFENSE NATIONAL STOCKPILE CENTER IN ITS EFFORTS TO MAINTAIN A LEADERSHIP ROLE IN THE AREA OF ENVIRONMENTAL PROTECTION. THE INPUT OF ALL DNSC DIVISIONS AND FIELD STAFFS WAS ESSENTIAL IN THE FORMATION OF THIS STUDY AND THEIR INPUT AND KNOWLEDGE OF STOCKPILE ORES, MINERALS, AND METALS WAS INVALUABLE.

THE DEFENSE NATIONAL STOCKPILE CENTER HAS ALWAYS TAKEN AN ACTIVE ROLE IN SAFETY, HEALTH, AND ENVIRONMENTAL PROTECTION AND WILL CONTINUE TO MAKE A CONCERTED EFFORT TO PROTECT OUR PEOPLE AND THE COMMUNITY WE SERVE AND INSURE THAT OUR MISSION FOR THE FEDERAL GOVERNMENT DOES NOT HAVE A NEGATIVE IMPACT ON THE ENVIRONMENT.

Prepared by:
F. KEVIN REILLY
INDUSTRIAL HYGIENIST

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APPENDIX 2 - LOCATION OF MATERIAL, QUANTITIES, COVERAGE
APPENDIX 3 - SUMMARY OF ANALYTICAL
APPENDIX 4 - LABORATORY ANALYSIS REPORTS
APPENDIX 5 - FIELD SIZE ANALYSIS
APPENDIX 6 - GRADATION CURVES OF TCLP MATERIAL
APPENDIX 7 - MATERIALS INSPECTION AND QUALITY CONTROL
APPENDIX 8 - PHOTOGRAPHS

EXECUTIVE SUMMARY

1. The Defense National Stockpile Center (DNSC) initiated a study to determine the actual characteristic leaching potential of the ores, minerals, and alloys maintained in the stockpile.

2. Environmental Protection Agency (EPA) standard, reproducible leaching tests were performed on samples of all DNSC ores, minerals, and alloys in a "worst case scenario" situation. Test materials were crushed to extremely small particles to expose as much surface area as possible to the acid leaching procedure.

3. Three characteristic leaching test were performed on each of the seventeen stockpile materials, the subject of this study. Field size samples were also subjected to the same EPA extraction procedure for comparison to the "worst case scenario" test results.

4. The characteristic leaching test results clearly show that the stockpile ores, minerals, and alloys leach but not to a degree to present an environmental hazard. All of the results fell well within prescribed EPA levels for the heavy metals of concern even under the "worst case scenario" situation.

5. Analytical results clearly indicated that the outdoor, generally unprotected storage of DNSC ores, minerals, and alloys leach limited quantities of the heavy metals of environmental concern and should have minimal negative affect on the local environment.

OVERVIEW

The Defense National Stockpile Center, under the purview of the Strategic and Critical Materials Stock Piling Act (50 U.S.C. 98 et seq), is required to maintain a stockpile of strategic and critical materials to decrease dependence upon foreign sources of these materials in times of national emergency. The Act specifically requires that the Stockpile inventory be sufficient to support U.S. military strategies and industry requirements for not less than three years during a conventional global conflict. Strategic and critical materials within the forty year old Stockpile inventory, range from antimony to zinc, with a total value of approximately 9 billion dollars.

The Defense National Stockpile Center (DNSC) materials are stored in large warehouse and outdoors. The stockpile ores, minerals and alloys that are the subject of this study are stored uncovered outdoors. The ore piles occupy a total of 2500 acres at 90 sites in thirty five (35) states across the country.

THE PROBLEM

Over the last several years environmental awareness and public concern about air and water pollution have heightened across the entire country. These sensitivities have also increased within the Defense National Stockpile Center. Several stockpile storage facilities located on U.S. military installations have caused environmental questions to be raised, by both the State and Federal environmental agencies investigating environmental contamination at these DoD facilities. Due to the size and quantity of the DNSC piles of materials such as beryl, chromite, manganese and numerous other minerals, ores, and alloys the State, Federal, and DoD environmental groups consider the Stockpile materials a major potential sources of soil and groundwater contamination. These unfounded environmental viewpoints, when considering the vast magnitude of Defense National Stockpile Center materials stored across the country, are of major concern to us.

How should the Defense National Stockpile Center (DNSC) evaluate the potential impact of our materials stored outside uncovered in the environment. What is the potential for soil and groundwater comtamination, taking into consideration the total amount of stockpile material, the number of locations, and the numerous variables (i.e. soil conditions, precipitation, geology, hydrology, etc.) presented at each one of our storage locations?

The DNSC presently maintains 480 individual piles of ores and minerals at 90 stockpile storage locations across the country. The total quantity of material is 31.7 million short tons and they occupy approximately 2500 acres of land. Some of these ores, minerals and alloys are stored directly on ground, some on slag or stone bases, and some on asphalt or reinforced concrete pads.

The geological, hydrological and topographical conditions present at each of the 480 piles and 92 storage sites are different. The storage sites are located in different areas of precipitation and the "acid rain" concentration, another environmental concern, varies from site to site as well. The number of variables relating to the environmental evaluation of each storage site and/or pile is monumental. In light of these variables the DNSC has taken a positive, standard and reproducible approach by initiating a study or the first phase of an environmental assessment and to clearly characterize and identify potential environmental hazards presented by the ores, minerals, and alloys themselves. If analytical data proves it to be to be necessary, we will then proceed with phase 2 and evaluate individual sites or possibly those sites that present specific environmentally sensitive areas or specific State or local concerns. This alternative approach is explained below.

ALTERNATE APPROACH

As explained above, we felt that our best approach was to explore and evaluate the potential leachability of the ores, minerals, and alloys themselves rather than the specific piles of material and/or the sites where they are located.

First, all of the purchase specifications for the Stockpile Materials were reviewed to determine the chemical composition of each material. From these purchase specifications seventeen (17) specific potential environmental contaminants (heavy metals) were noted and are listed below:

Antimony	Iron	Silver
Arsenic	Lead	Vanadium
Barium	Magnesium	Zinc
Beryllium	Manganese	
Cadmium	Mercury	
Chromium	Nickel	
Copper	Selenium	

Secondly, representative samples must be collected of each ore, mineral, and alloy.

Third, a standard and reproducible analytical tests must be performed to address our environmental concerns about leaching and the potential damage to the environment.

After researching the literature and several discussions with mineralogists, geologists, and private environmental consulting firms, it appeared that the EP Toxicity Test as outlined in the Federal Register, Volume 45, No. 98, May 19, 1980, would provide the analytical information necessary to evaluate the leaching potential of our materials and their ultimate impact on the environment. We base this reasoning on the fact that although the stockpile materials are not a "waste material", the EP Tox. Test is a standard test required by the Environmental Protection Agency to determine whether or not a material (waste) can be safely placed in a landfill. If the material does not leach hazardous constituents, it will not cause degradation or harm to the environment. This standard test also creates a worst case scenario, as it relates to Stockpile ores, minerals, and alloys.

By crushing the sample (material) to a size no greater that 9.5 millimeters (mm), as is required by this specific environmental test, the surface area of the test material increases significantly. This in turn significantly increases the material's ability to leach. This creates a "worst case" situation since Stockpile materials are not stored in size parameters much larger thus limiting the materials susceptibilty to leach. As noted in the Description of Materials (see Appendix 1), stockpile materials are much larger in size (average size 2 to 6 inches). This specific size relationship will be further discussed later in this report.

In addition to the Standard EP Tox test procedures, we determined that an additional test using a pH 4 solution rather than the required pH 5 as called for in the standard method, would provide useful data in our overall environmental evaluation of our materials. By incorporating this slightly more "acidic" variance into our requirements we could more closly simulate the extracting potential of "acid rain". (A review of ASTM (ASTM Standardization News. April 1987) data and the Environmental Protection Agency information regarding "acid rain" on a national level indicates that the resulting pH of acid rain nationally varies from a pH 4 to pH 5 and/or higher).

ACTION

Having outlined our requirements and determining that the EP Tox Test and the lowering of the acid pH in the test procedures would provide the necessary analytical information to establish the leaching potential of our materials, we solicited the services of an independent qualified laboratory. Gannett-Fleming Environmental Engineers Inc,. of Camp Hill, Pennsylvania was the successful bidder and was awarded the contract. Gannett-Fleming is certified (Certification Number 22-133) by the State of Pennsylvania Department of Environmental Resources (PADER) and also performs analytical work and numerous environmental evaluations for PADER under a State funded contract.

We collect representative samples of (17) seventeen Stockpile ores and minerals using standard Quality Assurance collection techniques (see Appendix 6 - Materials Inspection and Quality Control, GSA Handbook PMD 4400.1 1970, specifically sampling method 3). Since the majority of our materials were much larger in size and would not meet the requirements for testing per the established EPA procedure, collected samples were submitted to several laboratories specializing in the chemical evaluation of ores and minerals that were capable of "crushing" these materials to the mesh size required. Approximately (4) four pounds of each material, were properly crushed to meet the requirements of the EP Tox procedure and submitted to Gannett-Fleming for evaluation.

During this testing period May 1989 to September 1992, the Environmental Protection Agency finalized their new procedure to replace the EP Toxicity Test Procedure. This new analytical procedure called the Toxicity Characteristic Leaching Procedure (TCLP)-Final regulation March 1990, was to be used for the same purpose but was a much more aggressive analytical and involved procedure. It uses various extraction reagents at lower pH than the EP Tox Test and according to EPA would provide an additional margin of safety to the environment.

In light of this new procedure, we requested Gannett Fleming to perform the TCLP test on the seventeen (17) stockpile ore, mineral, and alloy samples.

We now have three analytical tests results for each stockpile ore mineral and alloy to better evaluate their potential impact on the environment.

FINDINGS AND DISCUSSION

Appendix 3 contains the summary of the tests performed in tabular form. Each material, the specific chemical constituent analyzed for and the specific test that was performed (pH 5, pH 4 and TCLP). As can be noted ALL results, with the exception of Fluorspar (acid grade), fell well within the established EP Tox and/or TCLP limits for the heavy metals evaluated (see listing page 2). The Fluorspar (acid grade) did leach significant amounts of lead (Pb), 15.3 mg/l, 10.2 mg/l, 13.8 mg/l for pH 4, pH 5, and TCLP, respectively. Stockpile fluorspar however, is not exposed to the elements. It is stored within asphalt or plastic lined trenches 8 to 10 feet deep and covered with an impermeable, secured, polyvinyl chloride cover as noted in the photograph in Appendix 8. So, although tests indicate that this material has the potential to leach hazardous constituents it is protected and contained during storage thus posing no hazard to the environment.

All the other materials showed little if any leaching. The two most pronounced leachable constituents that were analyzed for were manganese and magnesium. These materials, both extremely soluble, were generally several factors higher than the other analyzed materials. Since ferro manganese (high carbon) and ferro chrome (high carbon) leached considerable amounts of manganese and slightly elevated levels of chromium, we decided to use these materials in another test to determine the relationship between the laboratory scale test and a "field size test".

Standard EP Tox and TCLP methods require that samples be crushed to a size no greater than 9.5mm or about three eighths of an inch. 100 grams of this "crushed" material is subjected to the acid extraction procedure for leachate analysis. Our materials, as stored in the stockpile, are considerably larger generally in the range of 2 to 6 inches cubed (see photographs, Appendix 8). Our goal was to perform a modified EP Tox tests on a large size sample to typify the actual size of the material maintained within the stockpile. The sample was not crushed. It was mixed with 16 times it's weight in water in a 150 gallon nalgene tank. The pH was maintained at a pH 5 and pH 4 as in the other tests, and stirred with a large mixer for 24 hours. Compressed air was also fed into the tank, while the mixing took place. The results of this modified tests are included in Appendix 5. As can be noted the results are drastically reduced as would be expected using the surface area/weight relationship. The exposed surface area to weight relationship of a 100 grams of crushed material no

larger than 3/8ths of an inch is significantly greater, in the order of 100 to 1000 times, than the surface area of a 2 to 6 inch, 32 pound cube of the same material. A comparative look at the Ferro manganese results lends strong creditability to this hypothesis. Similar results were noted in the ferro chromium test but were not as dramatic as those of the ferro managanese, so for illustration purposes only the ferro manganese was compared and is documented below:

Ferro manganese (high carbon)

Standard Method using 100 grams of crushed ferro manganese and leachate analyzed for manganese resulted in:

pH 4 - 5250 mg/l

pH 5 - 2200 mg/l

Modified method using a 32 pound sample of ferro manganese approximately 5 inches cubed and leachate analyzed for manganese resulted in:

pH 4 - 1.37 mg/l

pH 5 - 0.38 mg/l

On the basis of these results and the surface area to unit weight relationship, the following mathematical equation shows the drastic reduced leachability of the field size sample as compared to the standard "crushed" size sample required under the EP Tox procedure. Please note the following:

3/8" Sphere - surface area = $4(\pi)r^2 = 4(\pi)(0.1875)^2 = 0.04418$ in^2

volume = $4/3(\pi)r^3 = 4/3(\pi)(0.1875)^3 = 0.0276$ in^3

5" Cube - surface area = 6 X w X h = 150 in^2

$$\text{volume} = w \times h \times d = 125 \text{ in}^3$$

$$\text{calculating density} = 32 \text{ lbs.}/125 \text{ in}^3 = 0.256 \text{ lbs./in}^3$$

$$0.256 \text{ lbs./in}^3 \times 453.59 \text{ gms/1 lbs} = 116 \text{ gms/in}^3$$

$$\text{weight of 1 - 3/8" sphere} = 0.0276 \text{ in.}^3 \times 116 \text{ gms/in}^3 = 3.2 \text{ grams}$$

100 gram sample contains 100/3.2 grams = 31.25 spheres

$$100 \text{ gram sample contains } 31.25 \text{ spheres} \times 0.4418 \text{in}^2/\text{sphere} = 13.8 \text{ in}^2$$

consequently, in the EP Tox procedure - 100 grams of 3/8 spheres

$$\text{offers } 13.8 \text{ in}^2/100 \text{ grams} = 0.138 \text{ in}^2/\text{gram for acid digestion}$$

$$\text{testing on the 5" cube would offer } 150 \text{ in}^2/32\text{lbs} \times 1\text{lbs}/453.59 \text{ gms}$$

equals 0.0101 in^2/gram for acid digestion.

If we assume a linear relationship between the surface area per unit weight of the material and the EP Tox results the following ratio can be set up to calculate the theoretical EP Tox result for a field size sample - the 5 inch cube test.

$$\frac{0.0101}{0.138} = \frac{X}{5250 \text{ mg/l}} \qquad \frac{0.0101}{0.138} = \frac{X}{2200 \text{ mg/l}}$$

$$X = 384.24 \text{ mg/l} \qquad X = 161.01 \text{ mg/l}$$

This scenario is based on the premise that ALL the pieces of the "crushed" sample are symetrical 3/8 inch spheres, which as is noted in the actual procedure, is not true. The EP Tox procedure specifically states that "the solid material has a surface area per gram equal to or greater than 3.1 cm squared or "passes through" a 9.5 millimeter (mm) or 0.375 inch standard sieve". This statement depicts many particles 3/8 inch in size and smaller "passing through" the sieve and available for acid digestion. This is clearly a major reason this mathmatical model does not equate to the results received. It would appear that a complete sizing of all the particle present in the actual EP Tox test would be necessary for this "model" to balance out correctly.

To further define and evaluate the standard EP Tox and TCLP results with that of our field size sample results, three additional representative field size samples were collected. Samples of ferro manganese in sizes of approximately 1 inch, 2 inch and 3 inch cubes were submitted to Gannett-Fleming for analysis along with a crushed sample for a determination of the particle size distribution of a standard sample as used normally in the EP Tox and TCLP method.

(Results of the particle size distribution are in Appendix 6 and the results of the field size sample analysis are included in Appendix 5)

The following table provides a synopsis of the geometric and analytical data gathered during this comparative testing.

TABLE 1

GEOMETRIC AND ANALYTICAL DATA
FERRO MANGANESE COMPARISON

	STANDARD	1 INCH	2 INCH	3 INCH	5 INCH
SIZE	*0.176 in.	1.00 in	2.00 in	3.00 in	5.00 in
SURFACE ** AREA (SA)	28.45 in^2	6 in^2	24 in^2	54 in^2	150 in^2
SA/UW***	0.2845	0.509	0.0254	0.0170	0.0102
pH 4	5250mg/l	12.3mg/l	10.3mg/l	4.85mg/l	1.37mg/l
pH 5	2200mg/l	2.60mg/l	1.63mg/l	1.25mg/l	0.38mg/l

* Based on sieve size analysis of particle sizes ranging from 9.5mm to less than 0.075mm, the particle size at 50% finer by weight is 0.176 inches.

** Assuming particle size of 0.176 inches, based on sieve analysis as detailed above, the surface area of sample can be calculated.

*** Surface area (SA) to unit weight (UW) was calculated assuming all particles were spheres at a diameter of 0.176 inches. SA/UW is in inches squared per gram

TABLE 2

COMPARING CALCULATED TO ACTUAL EP TOX RESULTS
FOR FERRO MANGANESE ANALYSIS

	pH 4		pH 5	
	calculated	actual	calculated	actual
Standard	n/a	5250mg/l	n/a	2200mg/l
1" cube	939.28mg/l	12.3mg/l	393.60mg/l	2.60mg/l
2" cube	468.72mg/l	10.3mg/l	196.41mg/l	1.63mg/l
3" cube	313.71mg/l	4.85mg/l	131.45mg/l	1.25mg/l
5" cube	188.23mg/l	1.37mg/l	78.88mg/l	0.38mg/l

*Results are for manganese

NOTE: All laboratory results are included in Appendix 4 - Laboratory Analysis and Appendix 5 - Field Size Analysis

These additional test results clearly show a direct relationship between the surface area to unit weight ratio and the EP Tox results. This direct relationship is not linear in nature, especially when the SA/UW ratio becomes large as is experienced in the type of sample typically subjected to EP Tox testing. Even with the conservative approach of calculating the SA/UW ratio using the 50% finer than by weight particle size, the calculated values for larger sized particles (1", 2", 3" and 5" cubes) do not correlate with actual test results. This lack of direct correlation between calculated and actual values further indicates the non-linear nature of the relationship. The decreasing EP Tox values based on increasing size of the larger particles, for both the calculated and actual test results do however indicate that a direct relationship does exist. In conclusion it is apparent that the actual EP Tox test values for samples prepared in accordance with standard test protocol do not emulate the actual field conditions of DNSC stockpiled material and are therefore misleading as to the leachability of the materials in their stored state.

The concentration of heavy metals in the leachate derived from the crushed ores, minerals, and alloys in each case exceeded the drinking water standards in one constituent, generally lead (Pb). Other constituents such as arsenic, chromium, and cadmium were also slightly elevated above drinking water standards in ten (10) of the materials. However, using the logic of the surface area to unit weight relationship previously discussed, these results can probably be realistically reduced by a significant amount, which would return all of the levels to well within even the most stringent drinking water standards. Again it should be noted that, this entire testing protocol is the analysis of materials in a "crushed" state, which is not the state the materials are maintained within the stockpile. The analytical results reflected in this report are by far the worst possible case scenario.

SUMMARY

The information obtained as a result of this analytical testing although not conclusive appears to indicate quite strongly that the storage of stockpile ores and minerals, in the outside environment uncovered and exposed to the elements, pose no threat to human health and the environment from a leachability standpoint. The minimal amount of metals leaching

from these ores and minerals even in a "crushed state fall well within the present Toxicity Characteristic Leaching Procedure (TCLP) limits as well as the former EP Toxicity Tests standards. Even when the acidity of the extraction procedure was increased by a factor of ten, the results still fell within environmental prescribed limits.

Air pollution in the form of fugitive dust is minimal due to the size of the materials in storage and the materials of a smaller size (fine particles), as in the case of Jamacian Bauxite or Acid Grade Fluorspar, are covered either by impermeable polyvinyl chloride sheeting or by vegetation (see Photographs, Appendix 8). These protective covers also reduce if not eliminate the leaching potential of these specific materials.

The information documented in this report is sound and reproducible and the results appear to clearly indicate that the stockpile ores, minerals, and alloys stored outside and exposed to the environment even in a crushed state, do not leach hazardous constituents at discernable levels, even under more stringent testing parameters.

APPENDIX 1 - DESCRIPTION OF MATERIALS

ALUMINUM OXIDE: Al_2O_3 (ALUMINA)

DESCRIPTION: Fused Crude & Abrasive Grain. The abrasive grain is made from 94% pure fused crude and crushed. Spec calls for 99.7% fully fused. Material is gray-brown to reddish brown in color.

USES: abrasive grain is used as an abrasive in grinding and cutting such materials as alloys. It's also used for refractory purposes in paints and in dyes

TYPICAL CHEMICAL COMPOSITION: 94% Minimum Al_2O_3. Maximum Allowed by dry weight: Si-2% (as SiO_2); Fe-.75% (Fe_2O_3); Titania-2 to 3% TiO_2); Calcium Oxide-.35% (CaO).

SIZE PARAMETERS AND WEIGHT: The lumps shall be less than 6" in size. No more than 6% shall pass through a No. 60 (.0098") sieve.

CELESTITE: $SrSO_4$ (Strontium Sulfate)

DESCRIPTION: Celestite is a coarsely crystalline material ranging in color from a pearly white with faint tinges of blue, yellow, green or red to a color like pale cocoa. It can be in lump forms or fines.

USES: Celestite is the mineral source for strontium. It's used as fine agents in crystal glass and to impart irridescence in glasses and glazes, for television picture tubes, magnets and signal flares

TYPICAL CHEMICAL COMPOSITION: Strontium Sulfate-min-96%; Calcium, as Sulfate-max-.5%; Barium, as Sulfate-max-2%

SIZE PARAMETERS AND WEIGHT: The specific gravity is 3.95. Celestite is crushed to lumps of 1" size; greater than 1.5"-zero; between 1" and 1.5"-25% maximum; less than 50 mesh (.297 mm)-max-10%.

MANGANESE DIOXIDE-BATTERY GRADE: MnO_2

DESCRIPTION: A black powder.

USES: As a depolarizer in non-rechargeable dry cell batteries.

TYPICAL CHEMICAL COMPOSITION: (for Synthetic Battery Grade A) Available Oxygen (as MnO_2)-minimum 85%; Manganese (Mn)-Min. 58%; Total Insolubles-maximum 3%; Iron (magnetic)-max. .25%; Lead-max. .25%; Arsenic-none; copper-none; Total Heavy Metals (other than lead and iron)-max. .05%; Total alkali metals-max. .5%; Total Alkali Earth Metals-max. .5%; Carbon Dioxide-none. pH value: 4.0 to 7.0.

SIZE PARAMETERS AND WEIGHT: Specific Gravity is 4.75. 98% by weight shall pass a No. 60 (.0098") Sieve and 100% shall pass a No. 20 (.0331") Sieve.

SILICON CARBIDE: SiC

DESCRIPTION: Bluish-black irredescent crystalline material.

USES: As an abrasive, a refractory, and in metallurgical, chemical, and electrical applications.

TYPICAL CHEMICAL COMPOSITION: Silicon Carbide-minimum-96.5%; Free Silicon-maximum- 1%; free Carbon-maximum-1.2%.

SIZE PARAMETERS AND WEIGHT: Specific Gravity is 3.17. No lumps larger than 1.5". No more than 10% goes through a No. 60 sieve.

BAUXITE-METALLURGICAL: (Jamaican) Al_2O_3

DESCRIPTION: Bauxite is a clay like substance, ranging in color from dull white through pink to a brownish red.

USES: 90% of Metallurgical grade bauxite is used for the production of Alumina. Otehr uses include refractories and abrasives

TYPICAL CHEMICAL COMPOSITION (for Grade 1): Alumina-min-47%; Alumina at 143 degrees Celsius-minimum 40%; Alumina Monohydrate-max.-3%; Silica-max-3%; Ferric Oxide-max-22%; Manganese, Chromium and Vanadium Oxides-max-2%; Phosphorous Pentoxide-max-1.5%; Titanium Dioxide-max-3%. It's composed principally of aluminum oxide minerals, gibbsite, a trihydrate and the monohydrate boehrmite, and diaspore.

SIZE PARAMETERS AND WEIGHT: Specific gravity is 2-2.55.

FLUORSPAR-ACID GRADE: CaF_2 (Also-Fluorite)

DESCRIPTION: Fluorspar is a mineral, both coarse and fine grained, ranging in color from light-green, yellow, bluish-green, purple, rose blue and brown to colorless.

USES: Acid grade fluorspar is used primarilly in the manufacture of hydrofluoric acid (instrumental in the manufacture of aviation fuel) and synthetic cryolite, used in the manufacture of aluminum.

TYPICAL CHEMICAL COMPOSITION: (for Hydrofluoric Acid Grade A) Calcium Fluoride-minimum-97%; Silica-maximum-1%; Sulfur-max-.03%; Calcium Carbonate-max-1.25%; Sodium Chloride-max-.02%; Heavy Metal Oxide-max-.4%; Beryllium-max-10 ppm.

SIZE PARAMETERS AND WEIGHT: Specific gravity is 3.18.

FERROCHROME (HIGH CARBON):

DESCRIPTION: High Carbon Ferrochrome has a silver metallic look with a fine crystal structure. It's stored in lump form.

USE: H.C. Ferrochrome is used for higher carbon grades of stainless and alloy steels, tool steel, and cast iron.

TYPICAL CHEMICAL COMPOSITION:Chromium-62-71%; Carbon-maximum-8%; Silicon-max-3%; Phosphorus-max-.025%; Sulfur-max-.05%; Antimony-max-.01%; Manganese-max-.75%; Arsenic, Lead, Tin, Zinc-max-.005%; Iron-to be reported-usually 26-27%.

SIZE PARAMETERS AND WEIGHT: A maximum of 5% may pass a 2" sieve opening. Lumps may weigh up to 75 pounds.

KYANITE: $Al_2O(SiO_4)$

DESCRIPTION: Kyanite is an ore that is a natural silicate of aluminum. It has a vitreous luster and may vary in color from sky blue to green, gray, white or black.

USE: Kyanite is used chiefly for refractory purposes, especially in spark plugs and porcelain products such as pottery, ceramics and certain types of glass. It's also used in the manufacture of electrical insulators and in processing ferrous metals.

TYPICAL CHEMICAL COMPOSITION: (Grade A) Alumina-min-59%; Silica-max-39%; Iron Oxide-max-.75%; Titania-max-1.25%; CaO/MgO-max-.2%; Na_2O/K_2O-max-.2%; Total flux-2%.

SIZE PARAMETERS AND WEIGHT: Kyanite has a specific gravity of 3.56-3.66. Not more than 10% shall pass a .5" screen and not more than 1% shall pass a No. 60 Sieve (.25 mm). basically, the old spec states that the lumps should not be so large that one man can't handle one.

FERROMANGANESE (LOW CARBON):

DESCRIPTIONS: High Carbon Ferromanganese is generally in lump form, although it is available in crushed and mesh size, and appears steel gray to black in color, darkening with age.

USE: Primarily in the manufacture of steel, where the properties of manganese are indispensable.

TYPICAL CHEMICAL COMPOSITION: (Grade AA) Manganese-85-90%; Carbon-max-.1%; Silicon-max-1.5%; Phosphorus-max-.1%; Arsenic-max-.1%; Sulfur-max-.02%; Lead-max-.03%; Copper-max-.1%; Tin-Max-.1%; Zinc-max-.05%.

SIZE PARAMETERS AND WEIGTH: Lumps are 2" and down in size with a maximum of 5% passing through a .25" sieve.

FERROCHROME (LOW CARBON):

DESCRIPTION: Low Carbon ferrochrome has a silver metallic look with a large crystal structure and is stored in lumps, bricks, briquettes and pellets

USE: L.C. Ferrochrome is used in the production of very low carbon alloys and stainless steels, high temperature alloys, and acid resistant steels. It's also used for tool steel and cast iron.

TYPICAL CHEMICAL COMPOSITION: (regular) Chromium-minimum-67%; Carbon-max-.05%; Silicon-max-1%; Phosphorus-max-.03%; Sulfur-max-.025%.

SIZE PARAMETERS AND WEIGHT: Lumps shall be 8 mesh or larger and not exceed 50 pounds in weight.

CHROMITE-REFRACTORY: $Cr_2O_3 + Al_2O_3$

DESCRIPTION: Refractory grade chromite is a hard, dense non-friable lump of which not more than 15% shall pass through a No. 16 sieve. It is dark gray in appearance.

USE: Refractory grade chromite is used in furnaces as wall lining, in the manufacture of non-ferrous metals, in lime-kilns, and to make refractory bricks.

TYPICAL CHEMICAL COMPOSITION: (Ore) Chromic Oxide-minimum-32%; Chromic Oxide plus Alumina-min-59%; Iron-max-12%; Silica-max-5.5%; Lime-max-.5%; Magnesia-to be reported.

SIZE PARAMETERS AND WEIGHT: Not more than 15% of lumps shall pass a No. 12 Sieve (.0661 inches).

FLUORPSPAR-CHEMICAL: This is the same as Acid Grade Fluorspar.

FERROMANGANESE (HIGH CARBON);

DESCRIPTION: High Carbon Ferromanganese is generally in lump form, and appears steel gray to black in color, darkening with age.

USE: Primarily in the manufacture of steel, where the properties of manganese are indispensable.

TYPICAL CHEMICAL COMPOSITION: Manganese-76-78%; carbon-max-7.5%; Silicon-max-1%; Phosphorus-max-.35%; Arsenic-max-.3%; Phosphorus plus Arsenic-max-.6%; Sulfur-max-.05%; Tin-max-.02%; Lead-max-.05%; Chromium-max-.5%; Iron-to be reported.

SIZE PARAMETERS AND WEIGHT: Lumps shall be 8" by 2". A maxiumum of 5% shall pass through a 2" sieve.

FLUORSPAR-METALLURGICAL:

DESCRIPTION: Fluorspar is a mineral, both coarse and fine grained, ranging in color from light-green, yellow, bluish-green, purple, rose blue and brown to colorless.

USE: Metallurgical grade fluorspar is primarily used in the manufacture of steel, cast iron and ferro-alloys to aid in producing a fluid slag which facilitates passage of impurities into the slag.

TYPICAL CHEMICAL COMPOSITION: Effective Calcium Fluoride-minimum-70%; Sulfur-max-.1%; Lead-max-.24%; Arsenic-max-.01%; barium-max-.01%; Zinc-max-.01%; Phosporus-max-.25%; Tin-max-.02%; Antimony-max-.02%; Copper-max-.1%.

SIZE PARAMETERS AND WEIGHT: All met. grade fluorspar shall be in the form of gravel and, after washing, pass a 3" sieve. Not more than 10% shall pass a 3/8" sieve.

CHROMITE-METALLURGICAL:

DESCRIPTION: Metallurgical grade chromite is a hard, dense non-friable lump of which not more than 15% shall pass through a No. 16 sieve. It is dark gray in appearance.

USE: Metallurgical grade chromite is used in the manufacture of ferrochromium and chromium alloys

TYPICAL CHEMICAL COMPOSITION: Chromic Oxide-min-48%; Silica-max-8%; Sulfur-max-.04%; Phosphorus-max-.02%; Chromium to Iron Ratio-min-3:1; To be reported (no min or max): Calcium Oxide, Magnesium Oxide, Aluminum Oxide, Titanium Oxide, Arsenic, Tin, Lead, Zinc, Antimony.

SIZE PARAMETERS AND WEIGHT: Chromite Ore shall be lumpy and not more than 25% shall pass a 1" sieve.

MANGANESE ORE-METALLURGICAL:

DESCRIPTION: All manganese ores are small, black and lumpy in appearance.

USE: Metallurgical grade Manganese Ore is processed into alloys and metals.

TYPICAL CHEMICAL COMPOSITION: (Grade A) Manganese-min-48%; Iron-max-4%; Alumina-max-6%; Alumina plus Silica-max-9%; Phosphorus-max-.05%; Arsenic-max-.05%; Copper plus Lead plus Tin-max-.2%; Chromium-max-.3%.

SIZE PARAMETERS AND WEIGHT: Individual lumps shall not exceed 50 pounds and not more than 5% shall pass a No. 20 sieve.

BERYL:

DESCRIPTION: Beryl is a very hard, lustrous mineral and is an opalescent material which may be blue, green, yellow, brown or colorless. The crystals are frequently striated vertically and range from granular to large lumps.

USE: The principle use of Beryl ore is as the source for the metal beryllium which, as an alloying element mixed with copper, produces a tough, hard alloy with great resistance to fatigue and shock and high temperatures. beryllium is also an important metal in aerospace and nuclear applications

TYPICAL CHEMICAL COMPOSITION:(Concentrate) Beryllium Oxide-min-10%; Calcium-max-.5%

SIZE PARAMETERS AND WEIGHT: Beryl's specific gravity is approximately 2.7. All ore shall pass through a 4" sieve, and less than 5% shall pass a 10 mesh sieve (1.68 mm).

APPENDIX 2 - LOCATIONS OF MATERIALS, QUANTITIES, COVERAGE

Commodity	ST Quantity	# of Piles	SF Range	ST Range	States	Covered/ Uncovered	SAMPLE NUMBER
Aluminum Oxide	585,540	20	1,665 109,500	889 77,212	9	100% Uncovered	DNS-1
Celestite	13,477	2	4,000 69,000	621 12,856	2	100% Uncovered	DNS-2
Manganese Dioxide	216,752	33	434 111,575	160 53,637	5	50% Uncovered	DNS-3
Silicon Carbide	70,627	4	9,017 45,100	3,423 38,558	2	50% Uncovered	DNS-4
Bauxite Met.	22,692,356	22	3,400 3,932,000	11,285 8,062,536	7	100% Uncovered	DNS-5
Fluorspar Acid Grade	934,780	19	279 369,652	75 199,812	8	100% Covered	DNS-6
Ferrochrome HC	639,799	105	540 53,533	45 57,776	8	100% Uncovered	DNS-7,18
Kyanite	1,187	2	930 15,000	140 1,047	2	100% Uncovered	DNS-8
Ferromanganese	29,058	8	2,000 12,629	1,021 8,294	5	100% Uncovered	DNS-9,19

ST- short ton
SF- square foot

Commodi	ST Quantity	# of Piles	Si Range	ST Range	STATES	Covered Uncovered	Sample Number
Ferrochrome	257,852	31	461 50,000	451 42,672	7	100% uncovered	DNS-10,18
Chromite Refractory	394,797	10	2,000 91,000	5,075 100,761	7	100% uncovered	DNS-11
Fluorspar Metallurgical	407,198	20	6,000 122,250	2,231 45,109	8	100% uncovered	DNS-12
Ferromanganese HC	821,789	69	816 56,000	270 144,470	8	100% uncovered	DNS-13,19
Bauxite Refractory	307,408	11	13,439 360,000	5,814 71,558	7	100% uncovered	DNS-14
Beryl	19,095	17	704 40,000	92 6,104	5	100% uncovered	DNS-15
Chromite metallurgical	2,108,321	45	252 248,770	149 208,685	9	100% uncovered	DNS-16
Manganese metallurgical	2,979,103	73	4 1,264,000	3 381,859	16	100% uncovered	DNS-17

APPENDIX 3 - SUMMARY OF ANALYTICAL RESULTS

MINUM OXIDE	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Pb	Mg	Mn	Hg	Ni	Se	Ag	V	Zn
PH4	(.1	(.01	0.2	(.01	(.01	0.01	0.01	0.38	(.03	0.16	0.97	0.0004	(.03	(.005	(.01	(.1	0.03
	(.1	(.01	0.3	(.01	(.01	0.01	(.01	0.05	(.03	0.38	1.39	0.0006	(.03	(.005	(.01	(.1	0.02
	0.2	nd	0.5	nd	0.02	0.01	0.03	1.64	0.1	0.12	1.06	nd	nd	nd	0.02	nd	0.19

STITE	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Pb	Mg	Mn	Hg	Ni	Se	Ag	V	Zn
PH4	(.1	(.01	0.1	(.01	(.01	(.01	0.03	0.04	0.13	58.4	2.12	0.0006	(.03	(.025	.01	(.1	0.11
PH5	(.1	(.01	0.1	(.01	(.01	(.01	0.01	0.01	(.03	30.5	0.25	0.0010	(.03	(.025	(.01	(.1	0.06
TCLP	0.2	0.008	0.2	nd	0.03	0.01	0.03	0.06	0.4	51.0	1.00	nd	0.07	nd	0.02	0.1	0.24

GANESE DIOXIDE	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Pb	Mg	Mn	Hg	Ni	Se	Ag	V	Zn
PH4	(.1	0.048	0.1	(.01	0.01	(.01	0.01	0.02	(.03	19.5	2.32	0.0009	(.03	(.005	(.01	(.1	16.2
PH5	(.1	(.01	(.1	(.01	(.01	(.01	(.01	(.01	(.03	5.84	0.01	0.0005	(.03	(.005	(.01	(.1	0.36
TCLP	0.1	0.040	0.5	nd	0.02	0.01	0.02	0.05	0.1	11.1	0.12	nd	0.04	nd	0.01	nd	8.10

LICON CARBIDE	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Pb	Mg	Mn	Hg	Ni	Se	Ag	V	Zn
PH4	(.1	(.01	0.2	(.01	(.01	(.01	0.02	1.12	(.03	0.07	0.11	0.0012	0.14	(.005	(.01	0.8	0.03
PH5	0.1	(.01	0.1	(.01	(.01	(.01	(.01	0.84	(.03	0.08	0.07	0.0011	0.11	(.005	(.01	0.8	0.03
TCLP	0.2	nd	0.5	nd	0.01	0.01	0.02	0.94	0.1	0.08	0.06	nd	0.15	nd	0.02	1.1	0.18

XITE (MET)	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Pb	Mg	Mn	Hg	Ni	Se	Ag	V	Zn
PH4	(.1	(.01	(.1	(.01	(.01	(.01	0.01	0.03	(.03	0.07	0.17	0.0011	(.03	(.005	(.01	(.1	0.08
PH5	(.1	(.01	0.1	(.01	(.01	(.01	(.01	(.01	(.03	0.04	0.02	0.0003	(.03	(.005	(.01	(.1	(.01
TCLP	0.1	nd	0.2	nd	0.01	0.01	0.01	0.03	0.2	0.08	0.10	nd	nd	nd	0.01	nd	0.18

LUORSPAR (MET)	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Pb	Mg	Mn	Hg	Ni	Se	Ag	V	Zn
	(.1	(.01	0.2	(.01	(.01	(.01	0.14	0.03	(.03	0.72	0.42	0.0002	(.03	(.005	(.01	(.1	0.25
	(.1	(.01	(.1	(.01	(.01	(.01	0.02	(.01	(.03	0.64	0.18	0.0004	(.03	(.005	(.01	(.1	0.14
TCLP	0.1	nd	0.5	nd	0.01	nd	0.21	0.04	0.1	0.64	0.28	nd	0.03	nd	0.01	nd	0.40

ROCHROME (HC)	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Pb	Mg	Mn	Hg	Ni	Se	Ag	V	Zn
PH4	(.1	(.01	0.1	(.01	(.01	0.37	(.01	8.9	(.03	0.23	5.40	0.0006	0.08	(.005	(.01	(.1	0.03
PH5	(.1	(.01	(.1	(.01	(.01	(.01	(.01	(.01	(.03	0.16	2.64	0.0006	0.05	(.005	(.01	(.1	0.01
TCLP	nd	nd	0.3	nd	0.01	0.90	0.02	8.55	0.1	0.10	6.60	nd	0.11	nd	0.02	0.1	0.16

HANITE	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Pb	Mg	Mn	Hg	Ni	Se	Ag	V	Zn
PH4	(.1	(.01	0.6	(.01	(.01	(.01	0.01	0.04	(.03	0.42	15.3	0.0003	0.03	(.005	0.01	(.1	0.05
PH5	(.1	(.01	0.1	(.01	(.01	(.01	(.01	0.02	(.03	0.10	0.09	0.0003	(.03	(.005	(.01	(.1	0.02
TCLP	0.2	nd	0.3	nd	0.01	0.04	0.03	0.14	0.1	0.14	10.5	nd	nd	nd	0.01	0.1	0.17

ROMANGANESE	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Pb	Mg	Mn	Hg	Ni	Se	Ag	V	Zn
PH4	(.1	(.005	(.1	(.01	(.01	(.01	(.01	(.01	0.03	0.04	1.37	(.0005	(.03	(.005	(.01	(.1	0.01
PH5	(.1	(.005	(.1	(.01	(.01	(.01	(.01	(.01	(.03	2.02	0.38	(.0005	(.03	(.005	(.01	(.1	(.01
TCLP	0.3	nd	0.2	nd	0.02	0.01	0.03	0.04	0.1	2.13	988.	nd	0.05	nd	0.01	nd	0.06

ERROCHROME (LC)	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Pb	Mg	Mn	Hg	Ni	Se	Ag	V	Zn
PH4	(.1	(.01	(.1	(.01	(.01	0.08	(.01	0.47	(.03	2.06	0.34	(.0002	(.03	(.005	(.10	(.1	0.03
PH5	(.1	(.01	(.1	(.01	(.01	0.10	(.01	0.81	(.03	2.04	0.25	(.0002	(.03	(.005	(.01	(.1	0.02
TCLP	0.3	nd	0.3	nd	0.01	1.28	0.02	2.00	0.1	2.08	0.93	nd	0.04	nd	0.01	nd	0.14

ROMITE (REF)	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Pb	Mg	Mn	Hg	Ni	Se	Ag	V	Zn
PH4	(.1	(.01	(.1	(.01	(.01	0.01	0.01	(.01	(.03	11.24	5.20	0.0003	0.38	(.005	(.01	(.1	0.03
	(.1	(.01	(.1	(.01	(.01	0.01	(.01	(.01	(.03	6.18	0.80	(.0002	0.05	(.005	(.01	(.1	0.02
	0.1	nd	0.4	nd	0.01	0.34	0.02	0.09	0.1	11.3	8.40	nd	0.49	nd	0.01	nd	0.14

BAUXITE (REF)	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Pb	Mg	Mn	Hg	Ni	Se	Ag	V	Zn
PH4	(.1	(.01	(.1	(.01	(.01	(.01	0.02	0.26	(.03	0.39	0.17	(.0002	(.03	(.005	0.01	(.1	0.03
PH5	(.1	(.01	0.1	(.01	(.01	(.01	0.01	0.08	(.03	0.40	0.42	0.0009	(.03	(.005	0.01	(.1	0.07
TCLP	0.1	nd	0.4	nd	0.01	nd	0.04	0.14	0.1	0.37	0.18	nd	0.04	nd	0.01	nd	0.14

JORSPAR (ACID)	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Pb	Mg	Mn	Hg	Ni	Se	Ag	V	Zn
PH4	(.1	(.01	0.9	(.01	(.02	(.01	0.47	0.10	15.3	1.03	1.62	0.0002	(.03	(.005	(.01	(.1	4.8
PH5	(.1	(.01	1.0	(.01	0.01	(.01	0.20	0.01	10.2	0.60	1.12	0.0006	(.03	(.005	(0.1	(.1	3.6
TCLP	nd	nd	1.8	nd	0.04	nd	0.35	0.08	13.8	0.81	1.17	nd	0.05	nd	0.02	nd	5.20

FERROMANGANESE (H	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Pb	Mg	Mn	Hg	Ni	Se	Ag	V	Zn
PH4	(.1	0.146	0.1	(.01	(.01	0.21	0.05	910.	(.03	0.12	5250.	0.0008	3.34	(.025	(.01	(.1	0.63
PH5	0.1	0.018	0.3	(.01	(.01	0.02	(.01	0.04	(.03	0.15	2200.	0.0009	0.05	(.005	0.01	(.1	(.01
TCLP	0.1	nd	0.9	nd	0.02	0.01	0.01	1.22	0.1	0.12	850.	nd	nd	nd	0.01	nd	0.05

RYL CONCENTRATE	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Pb	Mg	Mn	Hg	Ni	Se	Ag	V	Zn
PH4	0.2	(.005	0.1	0.42	0.01	0.02	0.03	2.59	0.76	132.	6.50	(.0005	0.06	(.005	0.01	(.1	1.56
PH5	0.4	(.005	0.3	0.12	0.01	(.01	0.01	0.06	0.09	66.	2.34	(.0005	(.03	(.005	0.01	(.1	0.59
TCLP	0.3	nd	0.7	0.32	0.02	0.01	0.47	0.09	0.2	3.76	3.34	nd	0.04	nd	0.02	nd	0.53

CHROMITE (MET)	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Pb	Mg	Mn	Hg	Ni	Se	Ag	V	Zn
PH4	0.4	(.005	0.4	(.01	0.01	0.22	0.01	0.82	0.11	76.5	3.60	(.0005	3.84	(.005	(.01	(.1	0.22
PH5	0.1	(.005	0.2	(.01	(.01	0.03	(.01	0.02	0.37	44.8	1.03	(.0005	1.57	(.005	(.01	(.1	0.03
TCLP	nd	0.175	0.5	nd	0.02	0.69	0.02	0.52	0.1	61.1	0.63	nd	1.21	nd	0.01	0.1	0.18

NGANESE (MET)	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Pb	Mg	Mn	Hg	Ni	Se	Ag	V	Zn
PH4	0.2	(.005	(.1	(.01	(.01	(.01	(.01	(.01	.33	1.30	1.46	(.0005	0.09	(.005	(.01	(.1	0.041
PH5	(.1	(.005	(.1	(.01	(.01	(.01	(.01	(.01	0.53	1.02	0.01	(.0005	(.03	(.005	(.01	(.1	(.01
TCLP	0.1	nd	0.3	nd	0.01	0.01	0.02	0.05	0.1	0.10	1.26	nd	0.05	nd	0.01	0.1	0.19

ALL RESULTS GIVEN IN MILLIGRAMS PER LITER mg/l

APPENDIX 4 - LABORATORY ANALYSIS REPORTS

GANNETT FLEMING ENVIRONMENTAL LABORATORY
(Division of Gannett Fleming Environmental Engineers, Inc.)
209 SENATE AVENUE
CAMP HILL, PA 17011
(717)763-7211
PA DER Certification No. 22-133

Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly, DLA-NO

Client Number: 902
Project Number: 6498
Sample Number: 18200
Date Received: 05/05/89
Time Received: 12:30
Discard Date: 06/20/89

L A B O R A T O R Y A N A L Y S I S R E P O R T

June 6, 1989

Sample Identification: **DNS-1**
Date Collected: 01/19/89 Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 5)		
Antimony, Total	<.1	mg/l
Arsenic,Total	<.01	mg/l
Barium, Total	0.3	mg/l
Beryllium, Total	<.01	mg/l
Cadmium, Total	<.01	mg/l
Chromium, Total	0.01	mg/l
Copper, Total	<.01	mg/l
Iron, Total	0.05	mg/l
Lead, Total	<.03	mg/l
Magnesium, Total	0.38	mg/l
Manganese, Total	1.39	mg/l
Mercury, Total	0.0006	mg/l
Nickel, Total	<.03	mg/l
Selenium, Total	<.005	mg/l
Silver, Total	<.01	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	0.02	mg/l

COMMENTS:
Material Name : Aluminum Oxide - Crude Abrasive
Location of Material : NSPCC Mechanicsburg
Country of Origin : Canada
Contract : DLA300-89-C-0020

*The EP-Toxicity procedure was performed according to the Federal Register, Volume 45, No. 98, May 19, 1980.

Gannett Fleming Environmental Laboratory

David W. Lane, Laboratory Manager

GANNETT FLEMING ENVIRONMENTAL LABORATORY
(Division of Gannett Fleming Environmental Engineers, Inc.)
209 SENATE AVENUE
CAMP HILL, PA 17011
(717)763-7211
PA DER Certification No. 22-133

Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly, DLA-NO

Client Number: 902
Project Number: 6498
Sample Number: 18199
Date Received: 05/05/89
Time Received: 12:30
Discard Date: 06/20/89

LABORATORY ANALYSIS REPORT
June 6, 1989

Sample Identification: **DNS-1**
Date Collected: 01/19/89 Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 4)		
Antimony, Total	<.1	mg/l
Arsenic,Total	<.01	mg/l
Barium, Total	0.2	mg/l
Beryllium, Total	<.01	mg/l
Cadmium, Total	<.01	mg/l
Chromium, Total	0.01	mg/l
Copper, Total	0.01	mg/l
Iron, Total	0.38	mg/l
Lead, Total	<.03	mg/l
Magnesium, Total	0.16	mg/l
Manganese, Total	0.97	mg/l
Mercury, Total	0.0004	mg/l
Nickel, Total	<.03	mg/l
Selenium, Total	<.005	mg/l
Silver, Total	<.01	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	0.03	mg/l

COMMENTS:
Material : Aluminum Oxide - Crude Abrasive
Location of Material : NSPCC Mechanicsburg
Country of Origin : Canada
Contract : DLA300-89-C-0020

*The EP-Toxicity procedure was performed according to the Federal Register, Volume 45. No. 98, May 19, 1980. As the request of DLO, a deviation from the procedure was implemented by lowering the pH of the extract liquid to 4, rather than the prescribed of 5.

Gannett Fleming Environmental Labora[illegible]

David W. Lane, Laboratory Manager

GANNETT FLEMING, INC.
ENVIRONMENTAL LABORATORY
209 SENATE AVENUE
CAMP HILL, PA 17011
(717)763-7211
PA DER Certification No. 22-133

Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
1745 Jefferson Davis Highway
Arlington, VA 22202
Attn: Kevin Reilly,DNSC-OD,Suite 100

Client Number: 902
Project Number: 11701
Sample Number: 32290
Date Received: 02/04/91
Time Received: 12:30
Discard Date: 03/20/91

LABORATORY ANALYSIS REPORT
March 6, 1991

Sample Identification: DNS-1
Date Collected: 02/19/89 Time: Collected By:

ANALYSIS	RESULTS	MEASUREMENT UNITS	DETECTION LIMITS	ANALYSIS METHOD
DLA REQUESTED TCLP ANALYSES				
Antimony, Total	0.2	mg/l	.1	EPA 204.1
Arsenic,Total	None Detected	mg/l	.005	EPA 206.2
Barium, Total	0.5	mg/l	.1	EPA 208.1
·llium, Total	None Detected	mg/l	.01	EPA 210.1
ium, Total	0.02	mg/l	.01	EPA 213.1
Chromium, Total	0.01	mg/l	.01	EPA 218.1
Copper, Total	0.03	mg/l	.01	EPA 220.1
Iron, Total	1.64	mg/l	.02	EPA 236.1
Lead, Total	0.1	mg/l	.1	EPA 239.1
Magnesium, Total	0.12	mg/l	.01	EPA 242.1
Manganese, Total	1.06	mg/l	.01	EPA 243.1
Mercury, Total	None Detected	mg/l	.0005	EPA 245.1
Nickel, Total	None Detected	mg/l	.03	EPA 249.1
Selenium, Total	None Detected	mg/l	.02	EPA 270.2
Silver, Total	0.02	mg/l	.01	EPA 272.1
Vanadium, Total	None Detected	mg/l	.1	EPA 286.1
Zinc, Total	0.19	mg/l	.01	EPA 289.1

COMMENTS:
Material Name : Aluminum Oxide - Crude Abrasive
Location of Material : NSPCC Mechanicsburg
Country of Origin : Canada
Contract Number : DLA300-91-M-0020

*These analyses were performed on the TCLP Leachate of the sample described above. The TCLP Leachate procedure was performed according to 40 CFR Part 261.

Gannett Fleming, Inc.

David W. Lane, Laboratory Manager

GANNETT FLEMING ENVIRONMENTAL LABORATORY
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(717)763-7211
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Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly, DLA-NO

Client Number: 902
Project Number: 6498
Sample Number: 18202
Date Received: 05/05/89
Time Received: 12:30
Discard Date: 06/20/89

L A B O R A T O R Y A N A L Y S I S R E P O R T
June 6, 1989

Sample Identification: **DNS-2**
Date Collected: 01/18/89 Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 5)		
Antimony, Total	<.1	mg/l
Arsenic,Total	<.01	mg/l
Barium, Total	0.1	mg/l
Beryllium, Total	<.01	mg/l
Cadmium, Total	<.01	mg/l
Chromium, Total	<.01	mg/l
Copper, Total	0.01	mg/l
Iron, Total	0.01	mg/l
Lead, Total	<.03	mg/l
Magnesium, Total	30.5	mg/l
Manganese, Total	0.25	mg/l
Mercury, Total	0.0010	mg/l
Nickel, Total	<.03	mg/l
Selenium, Total	<.025	mg/l
Silver, Total	<.01	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	0.06	mg/l

COMMENTS:
Material Name : Celestite
Location of Material : DLA/DNSC Marietta, PA
Country of Origin : Spain
Contract : DLA300-89-C-0020

*The EP-Toxicity procedure was performed according to the Federal Register, Volume 45, No. 98, May 19, 1980.

Gannett Fleming Environmental Laboratory

David W. Lane, Laboratory Manager

GANNETT FLEMING ENVIRONMENTAL LABORATORY
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PA DER Certification No. 22-133

Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly, DLA-NO

Client Number: 902
Project Number: 6498
Sample Number: 18201
Date Received: 05/05/89
Time Received: 12:30
Discard Date: 06/20/89

L A B O R A T O R Y A N A L Y S I S R E P O R T

June 6, 1989

Sample Identification: **DNS-2**
Date Collected: 01/18/89 Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 4)		
Antimony, Total	0.1	mg/l
Arsenic,Total	<.01	mg/l
[illegible]rium, Total	0.1	mg/l
[illegible]yllium, Total	<.01	mg/l
[illegible]dmium, Total	<.01	mg/l
Chromium, Total	<.01	mg/l
Copper, Total	0.03	mg/l
Iron, Total	0.04	mg/l
Lead, Total	0.13	mg/l
Magnesium, Total	58.4	mg/l
Manganese, Total	2.12	mg/l
Mercury, Total	0.0006	mg/l
Nickel, Total	<.03	mg/l
Selenium, Total	<.025	mg/l
Silver, Total	<.01	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	0.11	mg/l

COMMENTS:
Material Name : Celestite
Location of Material : DLA/DNSC Marrietta, PA
Country of Origin : Spain
Contract : DLA300-89-C-0020

*The EP-Toxicity procedure was performed according to the Federal Register, Volume 45. No. 98, May 19, 1980. As the request of DLO, a deviation from the procedure was implemented by lowering the pH of the extract liquid to 4, rather than the prescribed pH of 5.

Gannett Fleming Environmental Laboratory

David W. Lane, Laboratory Manager

GANNETT FLEMING, INC.
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(717)763-7211
PA DER Certification No. 22-133

Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
1745 Jefferson Davis Highway
Arlington, VA 22202
Attn: Kevin Reilly,DNSC-OD,Suite 100

Client Number: 902
Project Number: 11701
Sample Number: 32291
Date Received: 02/04/91
Time Received: 12:30
Discard Date: 03/20/91

LABORATORY ANALYSIS REPORT
March 6, 1991

Sample Identification: DNS-2
Date Collected: 01/18/89 Time: Collected By:

ANALYSIS	RESULTS	MEASUREMENT UNITS	DETECTION LIMITS	ANALYSIS METHOD
DLA REQUESTED TCLP ANALYSES				
Antimony, Total	0.2	mg/l	.1	EPA 204
Arsenic,Total	0.008	mg/l	.005	EPA 206
Barium, Total	0.2	mg/l	.1	EPA 208.1
Beryllium, Total	None Detected	mg/l	.01	EPA 210.1
Cadmium, Total	0.03	mg/l	.01	EPA 213.1
Chromium, Total	0.01	mg/l	.01	EPA 218.1
Copper, Total	0.03	mg/l	.01	EPA 220.1
Iron, Total	0.06	mg/l	.02	EPA 236.1
Lead, Total	0.4	mg/l	.1	EPA 239.1
Magnesium, Total	51.0	mg/l	.01	EPA 242.1
Manganese, Total	1.00	mg/l	.01	EPA 243.1
Mercury, Total	None Detected	mg/l	.0005	EPA 245.1
Nickel, Total	0.07	mg/l	.03	EPA 249.1
Selenium, Total	None Detected	mg/l	.02	EPA 270.2
Silver, Total	0.02	mg/l	.01	EPA 272.1
Vanadium, Total	0.1	mg/l	.1	EPA 286.1
Zinc, Total	0.24	mg/l	.01	EPA 289.1

COMMENTS:
Material Name : Celestite
Location of Material : DLA/DNSC Marietta, PA
Country of Origin : Spain
Contract Number : DLA300-91-M-0020

*These analyses were performed on the TCLP Leachate of the sample described above. The TCLP Leachate procedure was performed according to 40 CFR Part 261.

Gannett Fleming, Inc.

David W. Lane, Laboratory Manager

GANNETT FLEMING ENVIRONMENTAL LABORATORY
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Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly, DLA-NO

Client Number: 902
Project Number: 6498
Sample Number: 18204
Date Received: 05/05/89
Time Received: 12:30
Discard Date: 06/20/89

L A B O R A T O R Y A N A L Y S I S R E P O R T

June 6, 1989

Sample Identification: **DNS-3**
Date Collected: 01/18/89 Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 5)		
Antimony, Total	<.1	mg/l
Arsenic,Total	<.01	mg/l
Barium, Total	<.1	mg/l
yllium, Total	<.01	mg/l
mium, Total	<.01	mg/l
Chromium, Total	<.01	mg/l
Copper, Total	<.01	mg/l
Iron, Total	<.01	mg/l
Lead, Total	<.03	mg/l
Magnesium, Total	5.84	mg/l
Manganese, Total	0.01	mg/l
Mercury, Total	0.0005	mg/l
Nickel, Total	<.03	mg/l
Selenium, Total	<.005	mg/l
Silver, Total	<.01	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	0.36	mg/l

COMMENTS:
Material Name : Manganese Dioxide - Battery Grade
Location of Material : DLA/DNSC Marietta, PA
Country of Origin : Domestic
Contract : DLA300-89-C-0020

*The EP-Toxicity procedure was performed according to the Federal Regist[illegible] 45, No. 98, May 19, 1980.

Gannett Fleming Environmental Laboratory

David W. Lane, Laboratory Manager

GANNETT FLEMING ENVIRONMENTAL LABORATORY
(Division of Gannett Fleming Environmental Engineers, Inc.)
209 SENATE AVENUE
CAMP HILL, PA 17011
(717)763-7211
PA DER Certification No. 22-133

Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly, DLA-NO

Client Number: 902
Project Number: 6498
Sample Number: 18203
Date Received: 05/05/89
Time Received: 12:30
Discard Date: 06/20/89

LABORATORY ANALYSIS REPORT

June 6, 1989

Sample Identification: **DNS-3**
Date Collected: 01/18/89 Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 4)		
Antimony, Total	<.1	mg/l
Arsenic,Total	0.048	mg/l
Barium, Total	0.1	mg/l
Beryllium, Total	<.01	mg/l
Cadmium, Total	0.01	mg/l
Chromium, Total	<.01	mg/l
Copper, Total	0.01	mg/l
Iron, Total	0.02	mg/l
Lead, Total	<.03	mg/l
Magnesium, Total	19.5	mg/l
Manganese, Total	2.32	mg/l
Mercury, Total	0.0009	mg/l
Nickel, Total	<.03	mg/l
Selenium, Total	<.005	mg/l
Silver, Total	<.01	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	16.2	mg/l

COMMENTS:
Material Name : Manganese Dioxide - Battery Grade
Location of Material : DLA/DNSC Marietta, PA
Country of Origin : Domestic
Contract : DLA300-89-C-0020

*The EP-Toxicity procedure was performed according to the Federal Regis[illegible] 45. No. 98, May 19, 1980. As the request of DLO, a deviation from the procedure was implemented by lowering the p[illegible] extract liquid to 4, rather than the prescribed pH of 5.

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Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
1745 Jefferson Davis Highway
Arlington, VA 22202
Attn: Kevin Reilly,DNSC-OD,Suite 100

Client Number: 902
Project Number: 11701
Sample Number: 32292
Date Received: 02/04/91
Time Received: 12:30
Discard Date: 03/20/91

LABORATORY ANALYSIS REPORT
March 6, 1991

Sample Identification: DNS-3
Date Collected: 02/18/89 Time: Collected By:

ANALYSIS	RESULTS	MEASUREMENT UNITS	DETECTION LIMITS	ANALYSIS METHOD
DLA REQUESTED TCLP ANALYSES				
Antimony, Total	0.1	mg/l	.1	EPA 204.1
Arsenic,Total	0.040	mg/l	.005	EPA 206.2
Barium, Total	0.5	mg/l	.1	EPA 208.1
Beryllium, Total	None Detected	mg/l	.01	EPA 210.1
Cadmium, Total	0.02	mg/l	.01	EPA 213.1
Chromium, Total	0.01	mg/l	.01	EPA 218.1
Copper, Total	0.02	mg/l	.01	EPA 220.1
Iron, Total	0.05	mg/l	.02	EPA 236.1
Lead, Total	0.1	mg/l	.1	EPA 239.1
Magnesium, Total	11.1	mg/l	.01	EPA 242.1
Manganese, Total	0.12	mg/l	.01	EPA 243.1
Mercury, Total	None Detected	mg/l	.0005	EPA 245.1
Nickel, Total	0.04	mg/l	.03	EPA 249.1
Selenium, Total	None Detected	mg/l	.02	EPA 270.2
Silver, Total	0.01	mg/l	.01	EPA 272.1
Vanadium, Total	None Detected	mg/l	.1	EPA 286.1
Zinc, Total	8.10	mg/l	.01	EPA 289.1

COMMENTS:
Material Name : Manganese Dioxide - Battery Grade
Location of Material : DLA/DNSC Marietta, PA
Country of Origin : Domestic
Contract Number : DLA300-91-M-0020

*These analyses were performed on the TCLP Leachate of the sample described above. The TCLP Leachate procedure was performed according to 40 CFR Part 261.

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Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly, DLA-NO

Client Number: 902
Project Number: 6498
Sample Number: 18206
Date Received: 05/05/89
Time Received: 12:30
Discard Date: 06/20/89

L A B O R A T O R Y A N A L Y S I S R E P O R T

June 6, 1989

Sample Identification: **DNS-4**
Date Collected: 01/23/89 Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 5)		
Antimony, Total	0.1	mg/l
Arsenic,Total	<.01	mg/l
Barium, Total	0.1	mg/l
Beryllium, Total	<.01	mg/l
Cadmium, Total	<.01	mg/l
Chromium, Total	<.01	mg/l
Copper, Total	<.01	mg/l
Iron, Total	0.84	mg/l
Lead, Total	<.03	mg/l
Magnesium, Total	0.08	mg/l
Manganese, Total	0.07	mg/l
Mercury, Total	0.0011	mg/l
Nickel, Total	0.11	mg/l
Selenium, Total	<.005	mg/l
Silver, Total	<.01	mg/l
Vanadium, Total	0.8	mg/l
Zinc, Total	0.03	mg/l

COMMENTS:
Material Name : Silicon Carbide
Location of Material : DLA/DNSC Somerville, NJ
Country of Origin : Canada
Contract : DLA300-89-C-0020

*The EP-Toxicity procedure was performed according to the Federal Register, Volume 45, No. 98, May 19, 1980.

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Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly, DLA-NO

Client Number: 902
Project Number: 6498
Sample Number: 18205
Date Received: 05/05/89
Time Received: 12:30
Discard Date: 06/20/89

LABORATORY ANALYSIS REPORT

June 6, 1989

Sample Identification: **DNS-4**
Date Collected: 01/23/89 Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 4)		
Antimony, Total	<.1	mg/l
Arsenic,Total	<.01	mg/l
Barium, Total	0.2	mg/l
Beryllium, Total	<.01	mg/l
Cadmium, Total	<.01	mg/l
Chromium, Total	<.01	mg/l
Copper, Total	0.02	mg/l
Iron, Total	1.12	mg/l
Lead, Total	<.03	mg/l
Magnesium, Total	0.07	mg/l
Manganese, Total	0.11	mg/l
Mercury, Total	0.0012	mg/l
Nickel, Total	0.14	mg/l
Selenium, Total	<.005	mg/l
Silver, Total	<.01	mg/l
Vanadium, Total	0.8	mg/l
Zinc, Total	0.03	mg/l

COMMENTS:
Material Name : Silicon Carbide
Location of Material : DLA/DNSC Somerville, NJ
Country of Origin : Canada
Contract : DLA300-89-C-0020

*The EP-Toxicity procedure was performed according to the Federal Register, Volume 45. No. 98, May 19, 1980. As the request of DLO, a deviation from the procedure was implemented by lowering the pH of the extract liquid to 4, rather than the prescribed pH of 5.

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Directorate of Stockpile Mgmnt
1745 Jefferson Davis Highway
Arlington, VA 22202
Attn: Kevin Reilly,DNSC-OD,Suite 100

Client Number: 902
Project Number: 11701
Sample Number: 32293
Date Received: 02/04/91
Time Received: 12:30
Discard Date: 03/20/91

LABORATORY ANALYSIS REPORT
March 6, 1991

Sample Identification: DNS-4
Date Collected: 01/23/89 Time: Collected By:

ANALYSIS	RESULTS	MEASUREMENT UNITS	DETECTION LIMITS	ANALYSIS METHOD
DLA REQUESTED TCLP ANALYSES				
Antimony, Total	0.2	mg/l	.1	EPA 204.1
Arsenic,Total	None Detected	mg/l	.005	EPA 206
Barium, Total	0.5	mg/l	.1	EPA 208
Beryllium, Total	None Detected	mg/l	.01	EPA 210.1
Cadmium, Total	0.01	mg/l	.01	EPA 213.1
Chromium, Total	0.01	mg/l	.01	EPA 218.1
Copper, Total	0.02	mg/l	.01	EPA 220.1
Iron, Total	0.94	mg/l	.02	EPA 236.1
Lead, Total	0.1	mg/l	.1	EPA 239.1
Magnesium, Total	0.08	mg/l	.01	EPA 242.1
Manganese, Total	0.06	mg/l	.01	EPA 243.1
Mercury, Total	None Detected	mg/l	.0005	EPA 245.1
Nickel, Total	0.15	mg/l	.03	EPA 249.1
Selenium, Total	None Detected	mg/l	.02	EPA 270.2
Silver, Total	0.02	mg/l	.01	EPA 272.1
Vanadium, Total	1.1	mg/l	.1	EPA 286.1
Zinc, Total	0.18	mg/l	.01	EPA 289.1

COMMENTS:
Material Name : Silicon Carbide
Location of Material : DLA/DNSC Somerville, NJ
Country of Origin : Canada
Contract Number : DLA300-91-M-0020

*These analyses were performed on the TCLP Leachate of the sample described above. The TCLP Leachate procedure was performed according to 40 CFR Part 261.

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Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly, DLA-NO

Client Number: 902
Project Number: 6498
Sample Number: 18208
Date Received: 05/05/89
Time Received: 12:30
Discard Date: 06/20/89

LABORATORY ANALYSIS REPORT
June 6, 1989

Sample Identification: **DNS-5**
Date Collected: 02/23/89 Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 5)		
Antimony, Total	<.1	mg/l
Arsenic,Total	<.01	mg/l
Barium, Total	0.1	mg/l
Beryllium, Total	<.01	mg/l
Cadmium, Total	<.01	mg/l
Chromium, Total	<.01	mg/l
Copper, Total	<.01	mg/l
Iron, Total	<.01	mg/l
Lead, Total	<.03	mg/l
Magnesium, Total	0.04	mg/l
Manganese, Total	0.02	mg/l
Mercury, Total	0.0003	mg/l
Nickel, Total	<.03	mg/l
Selenium, Total	<.005	mg/l
Silver, Total	<.01	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	<.01	mg/l

COMMENTS:
Material Name : Bauxite, Metalurgical
Location of Material : DLA/DNSC Baton Rouge, LA
Country of Origin : Indonesia
Contract : DLA300-89-C-0020

*The EP-Toxicity procedure was performed according to the Federal Register, Volume 45, No. 98, May 19, 1980.

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Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly, DLA-NO

Client Number: 902
Project Number: 6498
Sample Number: 18207
Date Received: 05/05/89
Time Received: 12:30
Discard Date: 06/20/89

LABORATORY ANALYSIS REPORT
June 6, 1989

Sample Identification: **DNS-5**
Date Collected: 02/23/89 Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 4)		
Antimony, Total	<.1	mg/l
Arsenic,Total	<.01	mg/l
Barium, Total	<.1	mg/l
Beryllium, Total	<.01	mg/l
Cadmium, Total	<.01	mg/l
Chromium, Total	<.01	mg/l
Copper, Total	0.01	mg/l
Iron, Total	0.03	mg/l
Lead, Total	<.03	mg/l
Magnesium, Total	0.07	mg/l
Manganese, Total	0.17	mg/l
Mercury, Total	0.0011	mg/l
Nickel, Total	<.03	mg/l
Selenium, Total	<.005	mg/l
Silver, Total	<.01	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	0.08	mg/l

COMMENTS:
Material Name : Bauxite, Metalurgical
Location of Material : DLA/DNSC Baton Rouge, LA
Country of Origin : Indonesia
Contract : DLA300-89-C-0020

*The EP-Toxicity procedure was performed according to the Federal Register, Volume 45. No. 98, May 19, 1980. As the request of DLO, a deviation from the procedure was implemented by lowering the pH of the extract liquid to 4, rather than the prescribed pH of 5.

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1745 Jefferson Davis Highway
Arlington, VA 22202
Attn: Kevin Reilly,DNSC-OD,Suite 100

Client Number: 902
Project Number: 11701
Sample Number: 32294
Date Received: 02/04/91
Time Received: 12:30
Discard Date: 03/20/91

LABORATORY ANALYSIS REPORT

March 6, 1991

Sample Identification: **DN8-5**
Date Collected: 02/23/89 Time: Collected By:

ANALYSIS	RESULTS	MEASUREMENT UNITS	DETECTION LIMITS	ANALYSIS METHOD
DLA REQUESTED TCLP ANALYSES				
Antimony, Total	0.1	mg/l	.1	EPA 204.1
Arsenic,Total	None Detected	mg/l	.005	EPA 206.2
Barium, Total	0.2	mg/l	.1	EPA 208.1
yllium, Total	None Detected	mg/l	.01	EPA 210.1
nium, Total	0.01	mg/l	.01	EPA 213.1
Chromium, Total	0.01	mg/l	.01	EPA 218.1
Copper, Total	0.01	mg/l	.01	EPA 220.1
Iron, Total	0.03	mg/l	.02	EPA 236.1
Lead, Total	0.2	mg/l	.1	EPA 239.1
Magnesium, Total	0.08	mg/l	.01	EPA 242.1
Manganese, Total	0.10	mg/l	.01	EPA 243.1
Mercury, Total	None Detected	mg/l	.0005	EPA 245.1
Nickel, Total	None Detected	mg/l	.03	EPA 249.1
Selenium, Total	None Detected	mg/l	.02	EPA 270.2
Silver, Total	0.01	mg/l	.01	EPA 272.1
Vanadium, Total	None Detected	mg/l	.1	EPA 286.1
Zinc, Total	0.18	mg/l	.01	EPA 289.1

COMMENTS:
Material Name : Bauxite, Metalurgical
Location of Material : Baton Rouge, LA
Country of Origin : Indonesia
Contract Number : DLA300-91-M-0020

*These analyses were performed on the TCLP Leachate of the sample described above. The TCLP Leachate procedure was performed according to 40 CFR Part 261.

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Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly, DLA-NO

Client Number: 902
Project Number: 6498
Sample Number: 18210
Date Received: 05/05/89
Time Received: 12:30
Discard Date: 06/20/89

L A B O R A T O R Y A N A L Y S I S R E P O R T

June 6, 1989

Sample Identification: DNS-6
Date Collected: 01/19/89 Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 5)		
Antimony, Total	<.1	mg/l
Arsenic,Total	<.01	mg/l
Barium, Total	1.0	mg/l
Beryllium, Total	<.01	mg/l
Cadmium, Total	0.01	mg/l
Chromium, Total	<.01	mg/l
Copper, Total	0.20	mg/l
Iron, Total	0.01	mg/l
Lead, Total	10.2	mg/l
Magnesium, Total	0.60	mg/l
Manganese, Total	1.12	mg/l
Mercury, Total	0.0006	mg/l
Nickel, Total	<.03	mg/l
Selenium, Total	<.005	mg/l
Silver, Total	<.01	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	3.6	mg/l

COMMENTS:
Material Name : Fluorspar, Acid Grade
Location of Material : DLA/DNSC Curtis Bay, MD
Country of Origin : Holland
Contract : DLA300-89-C-0020

*The EP-Toxicity procedure was performed according to the Federal Register, Volume 45, No. 98, May 19, 1980.

Gannett Fleming Environmental Laboratory

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Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly, DLA-NO

Client Number: 902
Project Number: 6498
Sample Number: 18209
Date Received: 05/05/89
Time Received: 12:30
Discard Date: 06/20/89

LABORATORY ANALYSIS REPORT

June 6, 1989

Sample Identification: **DNS-6**
Date Collected: 01/19/89 Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 4)		
Antimony, Total	<.1	mg/l
Arsenic,Total	<.01	mg/l
Barium, Total	0.9	mg/l
Beryllium, Total	<.01	mg/l
Cadmium, Total	0.02	mg/l
Chromium, Total	<.01	mg/l
Copper, Total	0.47	mg/l
Iron, Total	0.10	mg/l
Lead, Total	15.3	mg/l
Magnesium, Total	1.03	mg/l
Manganese, Total	1.62	mg/l
Mercury, Total	0.0002	mg/l
Nickel, Total	<.03	mg/l
Selenium, Total	<.005	mg/l
Silver, Total	<.01	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	4.8	mg/l

COMMENTS:
Material Name : Fluorspar, Acid Grade
Location of Material : DLA/DNSC Curtis Bay, MD
Country of Origin : Holland
Contract : DLA300-89-C-0020

The EP-Toxicity procedure was performed according to the Federal Register, Vol. 45, No. 98, May 19, 1980. As the request of DLO, a deviation from the procedure was implemented by lowering the pH of the extract liquid to 4, rather than the prescribed pH of 5.

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Directorate of Stockpile Mgmnt
1745 Jefferson Davis Highway
Arlington, VA 22202
Attn: Kevin Reilly,DNSC-OD,Suite 100

Client Number: 902
Project Number: 11701
Sample Number: 32295
Date Received: 02/04/91
Time Received: 12:30
Discard Date: 03/20/91

LABORATORY ANALYSIS REPORT

March 6, 1991

Sample Identification: **DNS-6**
Date Collected: 02/19/89 Time: Collected By:

ANALYSIS	RESULTS	MEASUREMENT UNITS	DETECTION LIMITS	ANALYSIS METHOD
DLA REQUESTED TCLP ANALYSES				
Antimony, Total	None Detected	mg/l	.1	EPA 204.1
Arsenic,Total	None Detected	mg/l	.005	EPA 206.2
Barium, Total	1.8	mg/l	.1	EPA 208.1
Beryllium, Total	None Detected	mg/l	.01	EPA 210.1
Cadmium, Total	0.04	mg/l	.01	EPA 213.1
Chromium, Total	None Detected	mg/l	.01	EPA 218.1
Copper, Total	0.35	mg/l	.01	EPA 220.1
Iron, Total	0.08	mg/l	.02	EPA 236.1
Lead, Total	13.8	mg/l	.1	EPA 239.1
Magnesium, Total	0.81	mg/l	.01	EPA 242.1
Manganese, Total	1.17	mg/l	.01	EPA 243.1
Mercury, Total	None Detected	mg/l	.0005	EPA 245.1
Nickel, Total	0.05	mg/l	.03	EPA 249.1
Selenium, Total	None Detected	mg/l	.02	EPA 270.2
Silver, Total	0.02	mg/l	.01	EPA 272.1
Vanadium, Total	None Detected	mg/l	.1	EPA 286.1
Zinc, Total	5.20	mg/l	.01	EPA 289.1

COMMENTS:
Material Name : Fluorspar, Acid Grade
Location of Material : DLA/DNSC Curtis Bay, MD
Country of Origin : Holland
Contract Number : DLA300-91-M-0020

*These analyses were performed on the TCLP Leachate of the sample described above. The TCLP Leachate procedure was performed according to 40 CFR Part 261.

Gannett Fleming, Inc.

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Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly, DLA-NO

Client Number: 902
Project Number: 6498
Sample Number: 18212
Date Received: 05/05/89
Time Received: 12:30
Discard Date: 06/20/89

L A B O R A T O R Y A N A L Y S I S R E P O R T

June 6, 1989

Sample Identification: **DNS-7**
Date Collected: 02/03/89 Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 5)		
Antimony, Total	<.1	mg/l
Arsenic,Total	<.01	mg/l
Barium, Total	<.1	mg/l
Beryllium, Total	<.01	mg/l
Cadmium, Total	<.01	mg/l
Chromium, Total	<.01	mg/l
Copper, Total	<.01	mg/l
Iron, Total	<.01	mg/l
Lead, Total	<.03	mg/l
Magnesium, Total	0.16	mg/l
Manganese, Total	2.64	mg/l
Mercury, Total	0.0006	mg/l
Nickel, Total	0.05	mg/l
Selenium, Total	<.005	mg/l
Silver, Total	<.01	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	0.01	mg/l

COMMENTS:
Material Name : Ferrochrome HC
Location of Material : DLA/DNSC Warren Depot
Country of Origin : Domestic
Contract : DLA300-89-C-0020

*The EP-Toxicity procedure was performed according to the Federal Register, Volume 45, No. 98, May 19, 1980.

Gannett Fleming Environmental Labor

David W. Lane, Laboratory Manager

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Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly, DLA-NO

Client Number: 902
Project Number: 6498
Sample Number: 18211
Date Received: 05/05/89
Time Received: 12:30
Discard Date: 06/20/89

L A B O R A T O R Y A N A L Y S I S R E P O R T

June 6, 1989

Sample Identification: DNS-7
Date Collected: 02/03/89 Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 4)		
Antimony, Total	<.1	mg/l
Arsenic,Total	<.01	mg/l
Barium, Total	0.1	mg/l
Beryllium, Total	<.01	mg/l
Cadmium, Total	<.01	mg/l
Chromium, Total	0.37	mg/l
Copper, Total	<.01	mg/l
Iron, Total	8.9	mg/l
Lead, Total	<.03	mg/l
Magnesium, Total	0.23	mg/l
Manganese, Total	5.40	mg/l
Mercury, Total	0.0006	mg/l
Nickel, Total	0.08	mg/l
Selenium, Total	<.005	mg/l
Silver, Total	<.01	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	0.03	mg/l

COMMENTS:
Material Name : Ferrochrome HC
Location of Material : DLA/DNSC Warren Depot
Country of Origin : Domestic
Contract : DLA300-89-C-0020

*The EP-Toxicity procedure was performed according to the Federal Register, ., me 45. No. 98, May 19, 1980. As the request DLO, a deviation from the procedure was implemented by lowering the pH of the extract liquid to 4, rather than the prescribed of 5.

Gannett Fleming Environmental Laborat

David W. Lane, Laboratory Manager

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(717)763-7211
PA DER Certification No. 22-133

Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
1745 Jefferson Davis Highway
Arlington, VA 22202
Attn: Kevin Reilly,DNSC-OD,Suite 100

Client Number: 902
Project Number: 11701
Sample Number: 32296
Date Received: 02/04/91
Time Received: 12:30
Discard Date: 03/20/91

LABORATORY ANALYSIS REPORT
March 6, 1991

Sample Identification: DNS-7
Date Collected: 02/03/89 Time: Collected By:

ANALYSIS	RESULTS	MEASUREMENT UNITS	DETECTION LIMITS	ANALYSIS METHOD
DLA REQUESTED TCLP ANALYSES				
Antimony, Total	None Detected	mg/l	.1	EPA 204.1
Arsenic,Total	None Detected	mg/l	.005	EPA 206.2
[illegible]ium, Total	0.3	mg/l	.1	EPA 208.1
[illegible]llium, Total	None Detected	mg/l	.01	EPA 210.1
[illegible]mium, Total	0.01	mg/l	.01	EPA 213.1
Chromium, Total	0.90	mg/l	.01	EPA 218.1
Copper, Total	0.02	mg/l	.01	EPA 220.1
Iron, Total	8.55	mg/l	.02	EPA 236.1
Lead, Total	0.1	mg/l	.1	EPA 239.1
Magnesium, Total	0.10	mg/l	.01	EPA 242.1
Manganese, Total	6.60	mg/l	.01	EPA 243.1
Mercury, Total	None Detected	mg/l	.0005	EPA 245.1
Nickel, Total	0.11	mg/l	.03	EPA 249.1
Selenium, Total	None Detected	mg/l	.02	EPA 270.2
Silver, Total	0.02	mg/l	.01	EPA 272.1
Vanadium, Total	0.1	mg/l	.1	EPA 286.1
Zinc, Total	0.16	mg/l	.01	EPA 289.1

COMMENTS:
Material Name : Ferrochrome HC
Location of Material : DLA/DNSC Warren Depot
Country of Origin : Domestic
Contract Number : DLA300-91-M-0020

*These analyses were performed on the TCLP Leachate of the sample described above. The TCLP Leachate procedure was performed according to 40 CFR Part 261.

Gannett Fleming, Inc.

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Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly, DLA-NO

Client Number: 902
Project Number: 6498
Sample Number: 18214
Date Received: 05/05/89
Time Received: 12:30
Discard Date: 06/20/89

L A B O R A T O R Y A N A L Y S I S R E P O R T

June 6, 1989

Sample Identification: **DNS-8**
Date Collected: 02/09/89 Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 5)		
Antimony, Total	<.1	mg/l
Arsenic,Total	<.01	mg/l
Barium, Total	0.1	mg/l
Beryllium, Total	<.01	mg/l
Cadmium, Total	<.01	mg/l
Chromium, Total	<.01	mg/l
Copper, Total	<.01	mg/l
Iron, Total	0.02	mg/l
Lead, Total	<.03	mg/l
Magnesium, Total	0.10	mg/l
Manganese, Total	0.09	mg/l
Mercury, Total	0.0003	mg/l
Nickel, Total	<.03	mg/l
Selenium, Total	<.005	mg/l
Silver, Total	<.01	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	0.02	mg/l

COMMENTS:
Material Name : Kyanite
Location of Material : DLA/DNSC - New Haven
Country of Origin : India
Contract : DLA300-89-C-0020

*The EP-Toxicity procedure was performed according to the Federal Register, Volume 45, No. 98, May 19, 1980.

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Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly, DLA-NO

Client Number: 902
Project Number: 6498
Sample Number: 18213
Date Received: 05/05/89
Time Received: 12:30
Discard Date: 06/20/89

L A B O R A T O R Y A N A L Y S I S R E P O R T

June 6, 1989

Sample Identification: **DNS-8**
Date Collected: 02/09/89 Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 4)		
Antimony, Total	<.1	mg/l
Arsenic,Total	<.01	mg/l
Barium, Total	0.6	mg/l
Beryllium, Total	<.01	mg/l
Cadmium, Total	<.01	mg/l
Chromium, Total	<.01	mg/l
Copper, Total	0.01	mg/l
Iron, Total	0.04	mg/l
Lead, Total	<.03	mg/l
Magnesium, Total	0.42	mg/l
Manganese, Total	15.3	mg/l
Mercury, Total	0.0003	mg/l
Nickel, Total	0.03	mg/l
Selenium, Total	<.005	mg/l
Silver, Total	0.01	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	0.05	mg/l

COMMENTS:
Material Name : Kyanite
Location of Material : DLA/DNSC - New Haven
Country of Origin : India
Contract : DLA300-89-C-0020

*The EP-Toxicity procedure was performed according to the Federal Register, Volume 45. No. 98, May 19, 1980. As the request of DLO, a deviation from the procedure was implemented by lowering the pH of the extract liquid to 4, rather than the prescribed pH of 5.

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Directorate of Stockpile Mgmnt
1745 Jefferson Davis Highway
Arlington, VA 22202
Attn: Kevin Reilly,DNSC-OD,Suite 100

Client Number: 902
Project Number: 11701
Sample Number: 32297
Date Received: 02/04/91
Time Received: 12:30
Discard Date: 03/20/91

L A B O R A T O R Y A N A L Y S I S R E P O R T

March 6, 1991

Sample Identification: **DNS-8**
Date Collected: 02/09/89 Time: Collected By:

ANALYSIS	RESULTS	MEASUREMENT UNITS	DETECTION LIMITS	ANALYSIS METHOD
DLA REQUESTED TCLP ANALYSES				
Antimony, Total	0.2	mg/l	.1	EPA 204.1
Arsenic,Total	None Detected	mg/l	.005	EPA 206.2
Barium, Total	0.3	mg/l	.1	EPA 208.1
Beryllium, Total	None Detected	mg/l	.01	EPA 210.1
Cadmium, Total	0.01	mg/l	.01	EPA 213.1
Chromium, Total	0.04	mg/l	.01	EPA 218.1
Copper, Total	0.03	mg/l	.01	EPA 220.1
Iron, Total	0.14	mg/l	.02	EPA 236.1
Lead, Total	0.1	mg/l	.1	EPA 239.1
Magnesium, Total	0.14	mg/l	.01	EPA 242.1
Manganese, Total	10.5	mg/l	.01	EPA 243.1
Mercury, Total	None Detected	mg/l	.0005	EPA 245.1
Nickel, Total	None Detected	mg/l	.03	EPA 249.1
Selenium, Total	None Detected	mg/l	.02	EPA 270.2
Silver, Total	0.01	mg/l	.01	EPA 272.1
Vanadium, Total	0.1	mg/l	.1	EPA 286.1
Zinc, Total	0.17	mg/l	.01	EPA 289.1

COMMENTS:
Material Name : Kyanite
Location of Material : DLA/DNSC - New Haven
Country of Origin : India
Contract Number : DLA300-91-M-0020

These analyses were performed on the TCLP Leachate of the sample described above. The TCLP Leachate procedure was performed according to 40 CFR Part 261.

Gannett Fleming, Inc.

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Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly, DLA-NO

Client Number: 902
Project Number: 6498
Sample Number: 18215
Date Received: 05/05/89
Time Received: 12:30
Discard Date: 06/20/89

L A B O R A T O R Y A N A L Y S I S R E P O R T

June 6, 1989

Sample Identification: DNS-9
Date Collected: 02/02/89 Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 4)		
Antimony, Total	<.1	mg/l
Arsenic,Total	<.01	mg/l
Barium, Total	0.1	mg/l
Beryllium, Total	<.01	mg/l
Cadmium, Total	<.01	mg/l
Chromium, Total	0.07	mg/l
Copper, Total	0.01	mg/l
Iron, Total	<.01	mg/l
Lead, Total	0.06	mg/l
Magnesium, Total	0.25	mg/l
Manganese, Total	5,530.	mg/l
Mercury, Total	0.0014	mg/l
Nickel, Total	7.30	mg/l
Selenium, Total	<.025	mg/l
Silver, Total	<.01	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	0.03	mg/l

COMMENTS:
Material Name : Ferromanganese
Location of Material : DLA/DNSC - Ravenna A. A. Plant
Country of Origin : Domestic
Contract : DLA300-89-C-0020

*The EP-Toxicity procedure was performed according to the Federal Register, Volume 45. No. 98, May 19, 1980. As the request of DLO, a deviation from the procedure was implemented by lowering the pH of the extract liquid to 4, rather than the prescribed pH of 5.

Gannett Fleming Environmental Laboratory

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Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly, DLA-NO

Client Number: 902
Project Number: 6498
Sample Number: 18216
Date Received: 05/05/89
Time Received: 12:30
Discard Date: 06/20/89

LABORATORY ANALYSIS REPORT
June 6, 1989

Sample Identification: DNS-9
Date Collected: 02/02/89 Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 5)		
Antimony, Total	<.1	mg/l
Arsenic,Total	0.01	mg/l
Barium, Total	0.1	mg/l
Beryllium, Total	<.01	mg/l
Cadmium, Total	<.01	mg/l
Chromium, Total	0.02	mg/l
Copper, Total	0.01	mg/l
Iron, Total	<.01	mg/l
Lead, Total	<.03	mg/l
Magnesium, Total	0.37	mg/l
Manganese, Total	2,480.	mg/l
Mercury, Total	<.0002	mg/l
Nickel, Total	0.21	mg/l
Selenium, Total	<.005	mg/l
Silver, Total	<.01	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	<.01	mg/l

COMMENTS:
Material Name : Ferromanganese
Location of Material : DLA/DNSC - Ravenna A. A. Plant
Country of Origin : Domestic
Contract : DLA300-89-C-0020

*The EP-Toxicity procedure was performed according to the Federal Register, Volume 45, No. 98, May 19, 1980.

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Directorate of Stockpile Mgmnt
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Arlington, VA 22202
Attn: Kevin Reilly,DNSC-OD,Suite 100

Client Number: 902
Project Number: 11701
Sample Number: 32298
Date Received: 02/04/91
Time Received: 12:30
Discard Date: 03/20/91

LABORATORY ANALYSIS REPORT
March 6, 1991

Sample Identification: DNS-9
Date Collected: 02/02/89 Time: Collected By:

ANALYSIS	RESULTS	MEASUREMENT UNITS	DETECTION LIMITS	ANALYSIS METHOD
DLA REQUESTED TCLP ANALYSES				
Antimony, Total	0.3	mg/l	.1	EPA 204.1
Arsenic,Total	None Detected	mg/l	.005	EPA 206.2
Barium, Total	0.2	mg/l	.1	EPA 208.1
[illegible]yllium, Total	None Detected	mg/l	.01	EPA 210.1
[illegible]ium, Total	0.02	mg/l	.01	EPA 213.1
[illegible]omium, Total	0.01	mg/l	.01	EPA 218.1
Copper, Total	0.03	mg/l	.01	EPA 220.1
Iron, Total	0.04	mg/l	.02	EPA 236.1
Lead, Total	0.1	mg/l	.1	EPA 239.1
Magnesium, Total	0.13	mg/l	.01	EPA 242.1
Manganese, Total	988.	mg/l	.01	EPA 243.1
Mercury, Total	None Detected	mg/l	.0005	EPA 245.1
Nickel, Total	0.05	mg/l	.03	EPA 249.1
Selenium, Total	None Detected	mg/l	.02	EPA 270.2
Silver, Total	0.01	mg/l	.01	EPA 272.1
Vanadium, Total	None Detected	mg/l	.1	EPA 286.1
Zinc, Total	0.06	mg/l	.01	EPA 289.1

COMMENTS:
Material Name : Ferromanganese
Location of Material : DLA/DNSC - Ravenna A A Plant
Country of Origin : Domestic
Contract Number : DLA300-91-M-0020

*These analyses were performed on the TCLP Leachate of the sample described above. The TCLP Leachate procedure was performed according to 40 CFR Part 261.

Gannett Fleming, Inc.

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Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly, DLA-NO

Client Number: 902
Project Number: 6498
Sample Number: 18218
Date Received: 05/05/89
Time Received: 12:30
Discard Date: 06/20/89

L A B O R A T O R Y A N A L Y S I S R E P O R T

June 6, 1989

Sample Identification: **DNS-10**
Date Collected: 02/02/89 Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 5)		
Antimony, Total	<.1	mg/l
Arsenic,Total	<.01	mg/l
Barium, Total	<.1	mg/l
Beryllium, Total	<.01	mg/l
Cadmium, Total	<.01	mg/l
Chromium, Total	0.10	mg/l
Copper, Total	<.01	mg/l
Iron, Total	0.81	mg/l
Lead, Total	<.03	mg/l
Magnesium, Total	0.04	mg/l
Manganese, Total	0.25	mg/l
Mercury, Total	<.0002	mg/l
Nickel, Total	<.03	mg/l
Selenium, Total	<.005	mg/l
Silver, Total	<.01	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	0.02	mg/l

COMMENTS:
Material Name : Ferrochrome LC
Location of Material : Ravenna A. A. Plant
Country of Origin : Domestic
Contract : DLA300-89-C-0020

*The EP-Toxicity procedure was performed according to the Federal Register, Vol. 45, No. 98, May 19, 1980.

Gannett Fleming Environmental Laboratory

David W. Lane, Laboratory Manager

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Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly, DLA-NO

Client Number: 902
Project Number: 6498
Sample Number: 18217
Date Received: 05/05/89
Time Received: 12:30
Discard Date: 06/20/89

L A B O R A T O R Y A N A L Y S I S R E P O R T

June 6, 1989

Sample Identification: **DNS-10**
Date Collected: 02/02/89 Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 4)		
Antimony, Total	<.1	mg/l
Arsenic,Total	<.01	mg/l
Barium, Total	<.1	mg/l
Beryllium, Total	<.01	mg/l
Cadmium, Total	<.01	mg/l
Chromium, Total	0.08	mg/l
Copper, Total	<.01	mg/l
Iron, Total	0.47	mg/l
Lead, Total	<.03	mg/l
Magnesium, Total	0.06	mg/l
Manganese, Total	0.34	mg/l
Mercury, Total	<.0002	mg/l
Nickel, Total	<.03	mg/l
Selenium, Total	<.005	mg/l
Silver, Total	<.10	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	0.03	mg/l

COMMENTS:
Material Name : Ferrochrome LC
Location of Material : Ravenna A. A. Plant
Country of Origin : Domestic
Contract : DLA300-89-C-0020

*The EP-Toxicity procedure was performed according to the Federal Register, Volume 45. No. 98, May 19, 1980. As the request of DLO, a deviation from the procedure was implemented by lowering the pH of the extract liquid to 4, rather than the prescribed of 5.

Gannett Fleming Environmental Laboratory

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Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
1745 Jefferson Davis Highway
Arlington, VA 22202
Attn: Kevin Reilly,DNSC-OD,Suite 100

Client Number: 902
Project Number: 11701
Sample Number: 32299
Date Received: 02/04/91
Time Received: 12:30
Discard Date: 03/20/91

L A B O R A T O R Y A N A L Y S I S R E P O R T
March 6, 1991

Sample Identification: **DNS-10**
Date Collected: 02/02/89 Time: Collected By:

ANALYSIS	RESULTS	MEASUREMENT UNITS	DETECTION LIMITS	ANALYSIS METHOD
DLA REQUESTED TCLP ANALYSES				
Antimony, Total	0.3	mg/l	.1	EPA 204.1
Arsenic,Total	None Detected	mg/l	.005	EPA 206.2
Barium, Total	0.3	mg/l	.1	EPA 208.1
Beryllium, Total	None Detected	mg/l	.01	EPA 210
Cadmium, Total	0.01	mg/l	.01	EPA 213
Chromium, Total	1.28	mg/l	.01	EPA 218.1
Copper, Total	0.02	mg/l	.01	EPA 220.1
Iron, Total	2.00	mg/l	.02	EPA 236.1
Lead, Total	0.1	mg/l	.1	EPA 239.1
Magnesium, Total	0.08	mg/l	.01	EPA 242.1
Manganese, Total	0.93	mg/l	.01	EPA 243.1
Mercury, Total	None Detected	mg/l	.0005	EPA 245.1
Nickel, Total	0.04	mg/l	.03	EPA 249.1
Selenium, Total	None Detected	mg/l	.02	EPA 270.2
Silver, Total	0.01	mg/l	.01	EPA 272.1
Vanadium, Total	None Detected	mg/l	.1	EPA 286.1
Zinc, Total	0.14	mg/l	.01	EPA 289.1

COMMENTS:
Material Name : Ferrochrome LC
Location of Material : Ravenna A. A. Plant
Country of Origin : Domestic
Contract Number : DLA300-91-M-0020

*These analyses were performed on the TCLP Leachate of the sample described above. The TCLP Leachate procedure was performed according to 40 CFR Part 261.

Gannett Fleming, Inc.

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Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly, DLA-NO

Client Number: 902
Project Number: 6498
Sample Number: 18220
Date Received: 05/05/89
Time Received: 12:30
Discard Date: 06/20/89

L A B O R A T O R Y A N A L Y S I S R E P O R T

June 6, 1989

Sample Identification: **DNS-11**
Date Collected: 02/02/89 Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 5)		
Antimony, Total	<.1	mg/l
Arsenic,Total	<.01	mg/l
[illegible]rium, Total	<.1	mg/l
[illegible]yllium, Total	<.01	mg/l
[illegible]dmium, Total	<.01	mg/l
Chromium, Total	0.01	mg/l
Copper, Total	<.01	mg/l
Iron, Total	<.01	mg/l
Lead, Total	<.03	mg/l
Magnesium, Total	6.18	mg/l
Manganese, Total	0.80	mg/l
Mercury, Total	<.0002	mg/l
Nickel, Total	0.05	mg/l
Selenium, Total	<.005	mg/l
Silver, Total	<.01	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	0.02	mg/l

COMMENTS:
Material Name : Chromite Refractory
Location of Material : Ravenna A. A. Plant
Country of Origin : Domestic
Contract : DLA300-89-C-0020

*The EP-Toxicity procedure was performed according to the Federal Register, Volume 45, No. 98, May 19, 1980.

Gannett Fleming Environmental Labor[illegible]

David W. Lane, Laboratory Manager

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Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly, DLA-NO

Client Number: 902
Project Number: 6498
Sample Number: 18219
Date Received: 05/05/89
Time Received: 12:30
Discard Date: 06/20/89

L A B O R A T O R Y A N A L Y S I S R E P O R T

June 6, 1989

Sample Identification: **DNS-11**
Date Collected: 02/02/89 Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 4)		
Antimony, Total	<.1	mg/l
Arsenic,Total	<.01	mg/l
Barium, Total	<.1	mg/l
Beryllium, Total	<.01	mg/l
Cadmium, Total	<.01	mg/l
Chromium, Total	0.01	mg/l
Copper, Total	0.01	mg/l
Iron, Total	<.01	mg/l
Lead, Total	<.03	mg/l
Magnesium, Total	11.24	mg/l
Manganese, Total	5.20	mg/l
Mercury, Total	0.0003	mg/l
Nickel, Total	0.38	mg/l
Selenium, Total	<.005	mg/l
Silver, Total	<.01	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	0.03	mg/l

COMMENTS:
Material Name : Chromite Refractory
Location of Material : Ravenna A. A. Plant
Country of Origin : Domestic
Contract : DLA300-89-C-0020

*The EP-Toxicity procedure was performed according to the Federal Register, Volume 45. No. 98, May 19, 1980. As the request of DLO, a deviation from the procedure was implemented by lowering the pH of the extract liquid to 4, rather than the prescribed pH of 5.

Gannett Fleming Environmental Laboratory

David W. Lane, Laboratory Manager

GANNETT FLEMING, INC.
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(717)763-7211
PA DER Certification No. 22-133

Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
1745 Jefferson Davis Highway
Arlington, VA 22202
Attn: Kevin Reilly,DNSC-OD,Suite 100

Client Number: 902
Project Number: 11701
Sample Number: 32300
Date Received: 02/04/91
Time Received: 12:30
Discard Date: 03/20/91

LABORATORY ANALYSIS REPORT
March 6, 1991

Sample Identification: **DNA-11**
Date Collected: 02/02/89 Time: Collected By:

ANALYSIS	RESULTS	MEASUREMENT UNITS	DETECTION LIMITS	ANALYSIS METHOD
DLA REQUESTED TCLP ANALYSES				
Antimony, Total	0.1	mg/l	.1	EPA 204.1
Arsenic,Total	None Detected	mg/l	.005	EPA 206.2
Barium, Total	0.4	mg/l	.1	EPA 208.1
P -vllium, Total	None Detected	mg/l	.01	EPA 210.1
ium, Total	0.01	mg/l	.01	EPA 213.1
..omium, Total	0.34	mg/l	.01	EPA 218.1
Copper, Total	0.02	mg/l	.01	EPA 220.1
Iron, Total	0.09	mg/l	.02	EPA 236.1
Lead, Total	0.1	mg/l	.1	EPA 239.1
Magnesium, Total	11.3	mg/l	.01	EPA 242.1
Manganese, Total	8.40	mg/l	.01	EPA 243.1
Mercury, Total	None Detected	mg/l	.0005	EPA 245.1
Nickel, Total	0.49	mg/l	.03	EPA 249.1
Selenium, Total	None Detected	mg/l	.02	EPA 270.2
Silver, Total	0.01	mg/l	.01	EPA 272.1
Vanadium, Total	None Detected	mg/l	.1	EPA 286.1
Zinc, Total	0.14	mg/l	.01	EPA 289.1

COMMENTS:
Material Name : Chromite Refractory
Location of Material : Ravenne A. A. Plant
Country of Origin : Domestic
Contract Number : DLA300-91-M-0020

*These analyses were performed on the TCLP Leachate of the sample described above. The TCLP Leachate procedure was performed according to 40 CFR Part 261.

Gannett Fleming, Inc.

David W. Lane, Laboratory Manager

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Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly, DLA-NO

Client Number: 902
Project Number: 6498
Sample Number: 18222
Date Received: 05/05/89
Time Received: 12:30
Discard Date: 06/20/89

LABORATORY ANALYSIS REPORT
June 6, 1989

Sample Identification: DNS-12
Date Collected: 03/14/89 Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 5)		
Antimony, Total	<.1	mg/l
Arsenic,Total	<.01	mg/l
Barium, Total	<.1	mg/l
Beryllium, Total	<.01	mg/l
Cadmium, Total	<.01	mg/l
Chromium, Total	<.01	mg/l
Copper, Total	0.02	mg/l
Iron, Total	<.01	mg/l
Lead, Total	<.03	mg/l
Magnesium, Total	0.64	mg/l
Manganese, Total	0.18	mg/l
Mercury, Total	0.0004	mg/l
Nickel, Total	<.03	mg/l
Selenium, Total	<.005	mg/l
Silver, Total	<.01	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	0.14	mg/l

COMMENTS:
Material Name : Fluorspar Metalurgical
Location of Material : DLA/DNSC Clearfield UT
Country of Origin : Domestic
Contract : DLA300-89-C-0020

*The EP-Toxicity procedure was performed according to the Federal Register, Volume 45, No. 98, May 19, 1980.

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Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly, DLA-NO

Client Number: 902
Project Number: 6498
Sample Number: 18221
Date Received: 05/05/89
Time Received: 12:30
Discard Date: 06/20/89

L A B O R A T O R Y A N A L Y S I S R E P O R T

June 6, 1989

Sample Identification: **DNS-12**
Date Collected: 03/14/89 Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 4)		
Antimony, Total	<.1	mg/l
Arsenic,Total	<.01	mg/l
Barium, Total	0.2	mg/l
·yllium, Total	<.01	mg/l
ımium, Total	<.01	mg/l
Chromium, Total	<.01	mg/l
Copper, Total	0.14	mg/l
Iron, Total	0.03	mg/l
Lead, Total	<.03	mg/l
Magnesium, Total	0.72	mg/l
Manganese, Total	0.42	mg/l
Mercury, Total	<.0002	mg/l
Nickel, Total	<.03	mg/l
Selenium, Total	<.005	mg/l
Silver, Total	<.01	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	0.25	mg/l

COMMENTS:
Material Name : Fluorspar Metalurgical
Location of Material : DLA/DNSC Clearfield UT
Country of Origin : Domestic
Contract : DLA300-89-C-0020

*The EP-Toxicity procedure was performed according to the Federal Register, Volume 45. No. 98, May 19, 1980. As the request of DLO, a deviation from the procedure was implemented by lowering the pH of the extract liquid to 4, rather than the prescribed pH of 5.

Gannett Fleming Environmental Laboratory

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Directorate of Stockpile Mgmnt
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Arlington, VA 22202
Attn: Kevin Reilly,DNSC-OD,Suite 100

Client Number: 902
Project Number: 11701
Sample Number: 32301
Date Received: 02/04/91
Time Received: 12:30
Discard Date: 03/20/91

LABORATORY ANALYSIS REPORT

March 6, 1991

Sample Identification: **DNS-12**
Date Collected: 03/14/89 Time: Collected By:

ANALYSIS	RESULTS	MEASUREMENT UNITS	DETECTION LIMITS	ANALYSIS METHOD
DLA REQUESTED TCLP ANALYSES				
Antimony, Total	0.1	mg/l	.1	EPA 204.1
Arsenic,Total	None Detected	mg/l	.005	EPA 206.2
Barium, Total	0.5	mg/l	.1	EPA 208.1
Beryllium, Total	None Detected	mg/l	.01	EPA 210.1
Cadmium, Total	0.01	mg/l	.01	EPA 213
Chromium, Total	None Detected	mg/l	.01	EPA 218.
Copper, Total	0.21	mg/l	.01	EPA 220.1
Iron, Total	0.04	mg/l	.02	EPA 236.1
Lead, Total	0.1	mg/l	.1	EPA 239.1
Magnesium, Total	0.64	mg/l	.01	EPA 242.1
Manganese, Total	0.28	mg/l	.01	EPA 243.1
Mercury, Total	None Detected	mg/l	.0005	EPA 245.1
Nickel, Total	0.03	mg/l	.03	EPA 249.1
Selenium, Total	None Detected	mg/l	.02	EPA 270.2
Silver, Total	0.01	mg/l	.01	EPA 272.1
Vanadium, Total	None Detected	mg/l	.1	EPA 286.1
Zinc, Total	0.40	mg/l	.01	EPA 289.1

COMMENTS:
Material Name : Fluorspar Matallurgical
Location of Material : DLA/DNSC Clearfield, UT
Country of Origin : Domestic
Contract Number : DLA300-91-M-0020

*These analyses were performed on the TCLP Leachate of the sample described above. The TCLP Leachate procedure was performed according to 40 CFR Part 261.

Gannett Fleming, Inc.

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Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly, DLA-NO

Client Number: 902
Project Number: 6498
Sample Number: 18223
Date Received: 05/05/89
Time Received: 12:30
Discard Date: 06/20/89

LABORATORY ANALYSIS REPORT
June 6, 1989

Sample Identification: **DNS-13**
Date Collected: 03/15/89 Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 4)		
Antimony, Total	<.1	mg/l
Arsenic,Total	0.146	mg/l
Barium, Total	0.1	mg/l
Beryllium, Total	<.01	mg/l
Cadmium, Total	<.01	mg/l
Chromium, Total	0.21	mg/l
Copper, Total	0.05	mg/l
Iron, Total	910.	mg/l
Lead, Total	<.03	mg/l
Magnesium, Total	0.12	mg/l
Manganese, Total	5,250.	mg/l
Mercury, Total	0.0008	mg/l
Nickel, Total	3.34	mg/l
Selenium, Total	<.025	mg/l
Silver, Total	<.01	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	0.63	mg/l

COMMENTS:
Material Name : FerroManganese (HC)
Location of Material : DLA/DNSC Clearfield, UT
Country of Origin : Domestic
Contract : DLA300-89-C-0020

*The EP-Toxicity procedure was performed according to the Federal Register, Volume 45, No. 98, May 19, 1980. As the request of DLO, a deviation from the procedure was implemented by lowering the pH of the extract liquid to 4, rather than the prescribed pH of 5.

Gannett Fleming Environmental Laboratory

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Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly, DLA-NO

Client Number: 902
Project Number: 6498
Sample Number: 18224
Date Received: 05/05/89
Time Received: 12:30
Discard Date: 06/20/89

L A B O R A T O R Y A N A L Y S I S R E P O R T

June 6, 1989

Sample Identification: **DNS-13**
Date Collected: 03/15/89 Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 5)		
Antimony, Total	0.1	mg/l
Arsenic,Total	0.018	mg/l
Barium, Total	0.3	mg/l
Beryllium, Total	<.01	mg/l
Cadmium, Total	<.01	mg/l
Chromium, Total	0.02	mg/l
Copper, Total	<.01	mg/l
Iron, Total	0.04	mg/l
Lead, Total	<.03	mg/l
Magnesium, Total	0.15	mg/l
Manganese, Total	2,200.	mg/l
Mercury, Total	0.0009	mg/l
Nickel, Total	0.05	mg/l
Selenium, Total	<.005	mg/l
Silver, Total	0.01	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	<.01	mg/l

COMMENTS:
Material Name : FerroManganese (HC)
Location of Material : DLA/DNSC Clearfield, UT
Country of Origin : Domestic
Contract : DLA300-89-C-0020

*The EP-Toxicity procedure was performed according to the Federal Regis[illegible], Vol. 45, No. 98, May 19, 1980.

Gannett Fleming Environmental Laboratory

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1745 Jefferson Davis Highway
Arlington, VA 22202
Attn: Kevin Reilly,DNSC-OD,Suite 100

Client Number: 902
Project Number: 11701
Sample Number: 32302
Date Received: 02/04/91
Time Received: 12:30
Discard Date: 03/20/91

L A B O R A T O R Y A N A L Y S I S R E P O R T
March 6, 1991

Sample Identification: **DNS-13**
Date Collected: 03/15/89 Time: Collected By:

ANALYSIS	RESULTS	MEASUREMENT UNITS	DETECTION LIMITS	ANALYSIS METHOD
DLA REQUESTED TCLP ANALYSES				
Antimony, Total	0.1	mg/l	.1	EPA 204.1
Arsenic,Total	None Detected	mg/l	.005	EPA 206.2
Barium, Total	0.9	mg/l	.1	EPA 208.1
·llium, Total	None Detected	mg/l	.01	EPA 210.1
.nium, Total	0.02	mg/l	.01	EPA 213.1
Chromium, Total	0.01	mg/l	.01	EPA 218.1
Copper, Total	0.01	mg/l	.01	EPA 220.1
Iron, Total	1.22	mg/l	.02	EPA 236.1
Lead, Total	0.1	mg/l	.1	EPA 239.1
Magnesium, Total	0.12	mg/l	.01	EPA 242.1
Manganese, Total	850.	mg/l	.01	EPA 243.1
Mercury, Total	None Detected	mg/l	.0005	EPA 245.1
Nickel, Total	None Detected	mg/l	.03	EPA 249.1
Selenium, Total	None Detected	mg/l	.02	EPA 270.2
Silver, Total	0.01	mg/l	.01	EPA 272.1
Vanadium, Total	None Detected	mg/l	.1	EPA 286.1
Zinc, Total	0.05	mg/l	.01	EPA 289.1

COMMENTS:
Material Name : Ferromanganese (HC)
Location of Material : DLA/DNSC CLearfield, UT
Country of Origin : Domestic
Contract Number : DLA300-91-M-0020

*These analyses were performed on the TCLP Leachate of the sample described above. The TCLP Leachate procedure was performed according to 40 CFR Part 261.

Gannett Fleming, Inc.

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Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly, DLA-NO

Client Number: 902
Project Number: 6498
Sample Number: 18226
Date Received: 05/05/89
Time Received: 12:30
Discard Date: 06/20/89

LABORATORY ANALYSIS REPORT

June 6, 1989

Sample Identification: DNS-14
Date Collected: 03/15/89 Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 5)		
Antimony, Total	<.1	mg/l
Arsenic,Total	<.01	mg/l
Barium, Total	0.1	mg/l
Beryllium, Total	<.01	mg/l
Cadmium, Total	<.01	mg/l
Chromium, Total	<.01	mg/l
Copper, Total	0.01	mg/l
Iron, Total	0.08	mg/l
Lead, Total	<.03	mg/l
Magnesium, Total	0.40	mg/l
Manganese, Total	0.42	mg/l
Mercury, Total	0.0009	mg/l
Nickel, Total	<.03	mg/l
Selenium, Total	<.005	mg/l
Silver, Total	0.01	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	0.17	mg/l

COMMENTS:
Material Name : Bauxite Refractory
Location of Material : DLA/DNSC Mira Loma CA
Country of Origin : Domestic
Contract : DLA300-89-C-0020

*The EP-Toxicity procedure was performed according to the Federal Register, Volume 45, No. 98, May 19, 1980.

Gannett Fleming Environmental Laboratory

David W. Lane, Laboratory Manager

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Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly, DLA-NO

Client Number: 902
Project Number: 6498
Sample Number: 18225
Date Received: 05/05/89
Time Received: 12:30
Discard Date: 06/20/89

L A B O R A T O R Y A N A L Y S I S R E P O R T

June 6, 1989

Sample Identification: **DNS-14**
Date Collected: 03/15/89 Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 4)		
Antimony, Total	<.1	mg/l
Arsenic,Total	<.01	mg/l
Barium, Total	<.1	mg/l
Beryllium, Total	<.01	mg/l
Cadmium, Total	<.01	mg/l
Chromium, Total	<.01	mg/l
Copper, Total	0.02	mg/l
Iron, Total	0.26	mg/l
Lead, Total	<.03	mg/l
Magnesium, Total	0.39	mg/l
Manganese, Total	0.17	mg/l
Mercury, Total	<.0002	mg/l
Nickel, Total	<.03	mg/l
Selenium, Total	<.005	mg/l
Silver, Total	0.01	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	0.29	mg/l

COMMENTS:
Material Name : Bauxite Refractory
Location of Material : DLA/DNSC Mira Loma CA
Country of Origin : Domestic
Contract : DLA300-89-C-0020

*The EP-Toxicity procedure was performed according to the Federal Register, Volume 45. No. 98, May 19, 1980. As the request of DLO, a deviation from the procedure was implemented by lowering the pH of the extract liquid to 4, rather than the prescribed pH of 5.

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Directorate of Stockpile Mgmnt
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Arlington, VA 22202
Attn: Kevin Reilly,DNSC-OD,Suite 100

Client Number: 902
Project Number: 11701
Sample Number: 32303
Date Received: 02/04/91
Time Received: 12:30
Discard Date: 03/20/91

LABORATORY ANALYSIS REPORT
March 6, 1991

Sample Identification: DNS-14
Date Collected: 03/15/89 Time: Collected By:

ANALYSIS	RESULTS	MEASUREMENT UNITS	DETECTION LIMITS	ANALYSIS METHOD
DLA REQUESTED TCLP ANALYSES				
Antimony, Total	0.1	mg/l	.1	EPA 204.1
Arsenic,Total	None Detected	mg/l	.005	EPA 206.2
Barium, Total	0.4	mg/l	.1	EPA 208.1
Beryllium, Total	None Detected	mg/l	.01	EPA 210
Cadmium, Total	0.01	mg/l	.01	EPA 213.
Chromium, Total	None Detected	mg/l	.01	EPA 218.1
Copper, Total	0.04	mg/l	.01	EPA 220.1
Iron, Total	0.14	mg/l	.02	EPA 236.1
Lead, Total	0.1	mg/l	.1	EPA 239.1
Magnesium, Total	0.37	mg/l	.01	EPA 242.1
Manganese, Total	0.18	mg/l	.01	EPA 243.1
Mercury, Total	None Detected	mg/l	.0005	EPA 245.1
Nickel, Total	0.04	mg/l	.03	EPA 249.1
Selenium, Total	None Detected	mg/l	.02	EPA 270.2
Silver, Total	0.01	mg/l	.01	EPA 272.1
Vanadium, Total	None Detected	mg/l	.1	EPA 286.1
Zinc, Total	0.41	mg/l	.01	EPA 289.1

COMMENTS:
Material Name : Bauxite Refractory
Location of Material : DLA/DNSC Mira Loma, CA
Country of Origin : Domestic
Contract Number : DLA300-91-M-0020

*These analyses were performed on the TCLP Leachate of the sample descr ... The TCLP Leachate procedure was performed according to 40 CFR Part 261.

Gannett Fleming, Inc.

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Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly DLA-NO

Client Number: 902
Project Number: 7014
Sample Number: 19503
Date Received: 07/18/89
Time Received: 09:48
Discard Date: 08/22/89

L A B O R A T O R Y A N A L Y S I S R E P O R T

August 8, 1989

Sample Identification: **Pile 210** DNS-15
Date Collected: 7 /17/ 89 Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 5)		
Antimony, Total	0.4	mg/l
Arsenic,Total	<.005	mg/l
Barium, Total	0.3	mg/l
ryllium, Total	0.12	mg/l
dmium, Total	0.01	mg/l
Chromium, Total	<.01	mg/l
Copper, Total	0.01	mg/l
Iron, Total	0.06	mg/l
Lead, Total	0.09	mg/l
Magnesium, Total	66.	mg/l
Manganese, Total	2.34	mg/l
Mercury, Total	<.0005	mg/l
Nickel, Total	<.03	mg/l
Selenium, Total	<.005	mg/l
Silver, Total	0.01	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	0.59	mg/l

COMMENTS:
Material : Beryl Concentrates
Location of Material : Curtis Bay Depot, Baltimore, MD
Country of Origin : NOT GIVEN
Contract : DLA300-89-C-0020

Gannett Fleming Environmental Laboratory

David W. Lane, Laboratory Manager

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Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly DLA-NO

Client Number: 902
Project Number: 7014
Sample Number: 19502
Date Received: 07/18/89
Time Received: 09:48
Discard Date: 08/22/89

L A B O R A T O R Y A N A L Y S I S R E P O R T

August 8, 1989

Sample Identification: **Pile 210** DNS-15
Date Collected: 7/17/89 Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 4)		
Antimony, Total	0.2	mg/l
Arsenic,Total	<.005	mg/l
Barium, Total	0.1	mg/l
Beryllium, Total	0.42	mg/l
Cadmium, Total	0.01	mg/l
Chromium, Total	0.02	mg/l
Copper, Total	0.03	mg/l
Iron, Total	2.59	mg/l
Lead, Total	0.76	mg/l
Magnesium, Total	132.	mg/l
Manganese, Total	6.50	mg/l
Mercury, Total	<.0005	mg/l
Nickel, Total	0.06	mg/l
Selenium, Total	<.005	mg/l
Silver, Total	0.01	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	1.56	mg/l

COMMENTS:
Material : Beryl Concentrates
Location of Material : Curtis Bay Depot, Baltimore, MD
Country of Origin : NOT GIVEN
Contract : DLA300-89-C-0020

Gannett Fleming Environmental Labor

David W. Lane, Laboratory Manager

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Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
1745 Jefferson Davis Highway
Arlington, VA 22202
Attn: Kevin Reilly,DNSC-OD,Suite 100

Client Number: 902
Project Number: 11701
Sample Number: 32304
Date Received: 02/04/91
Time Received: 12:30
Discard Date: 03/20/91

LABORATORY ANALYSIS REPORT
March 6, 1991

Sample Identification: **DN8-15**
Date Collected: 02/27/90 Time: Collected By:

ANALYSIS	RESULTS	MEASUREMENT UNITS	DETECTION LIMITS	ANALYSIS METHOD
DLA REQUESTED TCLP ANALYSES				
Antimony, Total	0.1	mg/l	.1	EPA 204.1
Arsenic,Total	None Detected	mg/l	.005	EPA 206.2
Barium, Total	0.3	mg/l	.1	EPA 208.1
rllium, Total	None Detected	mg/l	.01	EPA 210.1
mium, Total	0.01	mg/l	.01	EPA 213.1
Chromium, Total	0.01	mg/l	.01	EPA 218.1
Copper, Total	0.02	mg/l	.01	EPA 220.1
Iron, Total	0.05	mg/l	.02	EPA 236.1
Lead, Total	0.1	mg/l	.1	EPA 239.1
Magnesium, Total	0.10	mg/l	.01	EPA 242.1
Manganese, Total	1.26	mg/l	.01	EPA 243.1
Mercury, Total	None Detected	mg/l	.0005	EPA 245.1
Nickel, Total	0.05	mg/l	.03	EPA 249.1
Selenium, Total	None Detected	mg/l	.02	EPA 270.2
Silver, Total	0.01	mg/l	.01	EPA 272.1
Vanadium, Total	0.1	mg/l	.1	EPA 286.1
Zinc, Total	0.19	mg/l	.01	EPA 289.1

COMMENTS:
Material Name : Manganese (Metallurgical)
Location of Material : Curtis Bay - Pile 150
Country og Origin : Not Given
Contract Number : DLA300-91-M-0020

*These analyses were performed on the TCLP Leachate of the sample described above. The TCLP Leachate procedure was performed according to 40 CFR Part 261.

Gannett Fleming, Inc.

David W. Lane, Laboratory Manager

GANNETT FLEMING ENVIRONMENTAL LABORATORY
(Division of Gannett Fleming Environmental Engineers, Inc.)
209 SENATE AVENUE
CAMP HILL, PA 17011
(717)763-7211
PA DER Certification No. 22-133

Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly DLA-NO

Client Number: 902
Project Number: 7014
Sample Number: 19505
Date Received: 07/18/89
Time Received: 09:48
Discard Date: 08/22/89

L A B O R A T O R Y A N A L Y S I S R E P O R T

August 8, 1989

Sample Identification: **Pile 135** DNS-16
Date Collected: 7/17/89 Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 5)		
Antimony, Total	0.1	mg/l
Arsenic,Total	<.005	mg/l
Barium, Total	0.2	mg/l
Beryllium, Total	<.01	mg/l
Cadmium, Total	<.01	mg/l
Chromium, Total	0.03	mg/l
Copper, Total	<.01	mg/l
Iron, Total	0.02	mg/l
Lead, Total	0.37	mg/l
Magnesium, Total	44.8	mg/l
Manganese, Total	1.03	mg/l
Mercury, Total	<.0005	mg/l
Nickel, Total	1.57	mg/l
Selenium, Total	<.005	mg/l
Silver, Total	<.01	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	0.03	mg/l

COMMENTS:
Material : Chromite, Met Gr
Location of Material : Curtis Bay Depot, Baltimore, MD
Country of Origin : NOT GIVEN
Contract : DLA300-89-C-0020

Gannett Fleming Environmental Labs:

David W. Lane, Laboratory Manager

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PA DER Certification No. 22-133

Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly DLA-NO

Client Number: 902
Project Number: 7014
Sample Number: 19504
Date Received: 07/18/89
Time Received: 09:48
Discard Date: 08/22/89

L A B O R A T O R Y A N A L Y S I S R E P O R T

August 8, 1989

Sample Identification: **Pile 135** DNS-16
Date Collected: 7 /17/ 89 Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 4)		
Antimony, Total	0.4	mg/l
Arsenic,Total	<.005	mg/l
-ium, Total	0.4	mg/l
yllium, Total	<.01	mg/l
Cadmium, Total	0.01	mg/l
Chromium, Total	0.22	mg/l
Copper, Total	0.01	mg/l
Iron, Total	0.82	mg/l
Lead, Total	0.11	mg/l
Magnesium, Total	76.5	mg/l
Manganese, Total	3.60	mg/l
Mercury, Total	<.0005	mg/l
Nickel, Total	3.84	mg/l
Selenium, Total	<.005	mg/l
Silver, Total	<.01	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	0.22	mg/l

COMMENTS:
Material : Chromite, Met Gr
Location of Material : Curtis Bay Depot, Baltimore, MD
Country of Origin : NOT GIVEN
Contract : DLA300-89-C-0020

Gannett Fleming Environmental Labo:

David W. Lane, Laboratory Manager

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Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
1745 Jefferson Davis Highway
Arlington, VA 22202
Attn: Kevin Reilly,DNSC-OD,Suite 100

Client Number: 902
Project Number: 11701
Sample Number: 32305
Date Received: 02/04/9
Time Received: 12:30
Discard Date: 03/20/9

LABORATORY ANALYSIS REPORT

March 6, 1991

Sample Identification: **DN8-16**
Date Collected: 02/27/90 Time: Collected By:

ANALYSIS	RESULTS	MEASUREMENT UNITS	DETECTION LIMITS	ANALYSI METHOD
DLA REQUESTED TCLP ANALYSES				
Antimony, Total	None Detected	mg/l	.1	EPA 204
Arsenic,Total	0.175	mg/l	.005	EPA
Barium, Total	0.5	mg/l	.1	EPA
Beryllium, Total	None Detected	mg/l	.01	EPA
Cadmium, Total	0.02	mg/l	.01	EPA 213
Chromium, Total	0.69	mg/l	.01	EPA 218
Copper, Total	0.02	mg/l	.01	EPA 220
Iron, Total	0.52	mg/l	.02	EPA 236
Lead, Total	0.1	mg/l	.1	EPA 239
Magnesium, Total	61.1	mg/l	.01	EPA 242.
Manganese, Total	0.63	mg/l	.01	EPA 243.
Mercury, Total	None Detected	mg/l	.0005	EPA 245.
Nickel, Total	1.21	mg/l	.03	EPA 249.
Selenium, Total	None Detected	mg/l	.02	EPA 270.
Silver, Total	0.01	mg/l	.01	EPA 272.
Vanadium, Total	0.1	mg/l	.1	EPA 286.
Zinc, Total	0.18	mg/l	.01	EPA 289.

COMMENTS:
Material Name : Chromite (Metallurgical)
Location of Material : Curtis Bay - Pile 136
Country of Origin : Not Given
Contract Number : DLA300-91-M-0020

*These analyses were performed on the TCLP Leachate of the sample described above. The TCLP Leachate procedure was performed according to 40 CFR Part 261.

Gannett Fleming, Inc.

David W. Lane, Laboratory Manager

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Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly DLA-NO

Client Number: 902
Project Number: 7014
Sample Number: 19507
Date Received: 07/18/89
Time Received: 09:48
Discard Date: 08/22/89

L A B O R A T O R Y A N A L Y S I S R E P O R T

August 8, 1989

Sample Identification: **Pile 150** DNS-17
Date Collected: 7/17/89 Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 5)		
Antimony, Total	<.1	mg/l
Arsenic,Total	<.005	mg/l
-ium, Total	<.1	mg/l
yllium, Total	<.01	mg/l
Cadmium, Total	<.01	mg/l
Chromium, Total	<.01	mg/l
Copper, Total	<.01	mg/l
Iron, Total	<.01	mg/l
Lead, Total	0.53	mg/l
Magnesium, Total	1.02	mg/l
Manganese, Total	0.01	mg/l
Mercury, Total	<.0005	mg/l
Nickel, Total	<.03	mg/l
Selenium, Total	<.005	mg/l
Silver, Total	<.01	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	<.01	mg/l

COMMENTS:
Material : Manganese Met Gr
Location of Material : Curtis Bay Depot, Baltimore, MD
Country of Origin : NOT GIVEN
Contract : DLA300-89-C-0020

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David W. Lane, Laboratory Manager

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PA DER Certification No. 22-133

Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly DLA-NO

Client Number: 902
Project Number: 7014
Sample Number: 19506
Date Received: 07/18/89
Time Received: 09:48
Discard Date: 08/22/89

L A B O R A T O R Y A N A L Y S I S R E P O R T

August 8, 1989

Sample Identification: **Pile 150** DNS-17
Date Collected: 7 /17 /89 Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 4)		
Antimony, Total	0.2	mg/l
Arsenic,Total	<.005	mg/l
Barium, Total	<.1	mg/l
Beryllium, Total	<.01	mg/l
Cadmium, Total	<.01	mg/l
Chromium, Total	<.01	mg/l
Copper, Total	<.01	mg/l
Iron, Total	<.01	mg/l
Lead, Total	0.33	mg/l
Magnesium, Total	1.30	mg/l
Manganese, Total	1.46	mg/l
Mercury, Total	<.0005	mg/l
Nickel, Total	0.09	mg/l
Selenium, Total	<.005	mg/l
Silver, Total	<.01	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	0.041	mg/l

COMMENTS:
Material : Manganese Met Gr
Location of Material : Curtis Bay Depot, Baltimore, MD
Country of Origin : NOT GIVEN
Contract : DLA300-89-C-0020

Gannett Fleming Environmental Laboratory

David W. Lane, Laboratory Manager

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Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
1745 Jefferson Davis Highway
Arlington, VA 22202
Attn: Kevin Reilly,DNSC-OD,Suite 100

Client Number: 902
Project Number: 11701
Sample Number: 32306
Date Received: 02/04/91
Time Received: 12:30
Discard Date: 03/20/91

L A B O R A T O R Y A N A L Y S I S R E P O R T

March 6, 1991

Sample Identification: **DNS-17**
Date Collected: 11/27/90 Time: Collected By:

ANALYSIS	RESULTS	MEASUREMENT UNITS	DETECTION LIMITS	ANALYSIS METHOD
DLA REQUESTED TCLP ANALYSES				
Antimony, Total	0.3	mg/l	.1	EPA 204.1
Arsenic,Total	None Detected	mg/l	.005	EPA 206.2
Barium, Total	0.7	mg/l	.1	EPA 208.1
Beryllium, Total	0.32	mg/l	.01	EPA 210.1
ium, Total	0.02	mg/l	.01	EPA 213.1
mium, Total	0.01	mg/l	.01	EPA 218.1
Copper, Total	0.47	mg/l	.01	EPA 220.1
Iron, Total	0.09	mg/l	.02	EPA 236.1
Lead, Total	0.2	mg/l	.1	EPA 239.1
Magnesium, Total	3.76	mg/l	.01	EPA 242.1
Manganese, Total	3.34	mg/l	.01	EPA 243.1
Mercury, Total	None Detected	mg/l	.0005	EPA 245.1
Nickel, Total	0.04	mg/l	.03	EPA 249.1
Selenium, Total	None Detected	mg/l	.02	EPA 270.2
Silver, Total	0.02	mg/l	.01	EPA 272.1
Vanadium, Total	None Detected	mg/l	.1	EPA 286.1
Zinc, Total	0.53	mg/l	.01	EPA 289.1

COMMENTS:
Material Name : Beryl Ore - 13.9%
Location of Material : Curtis Bay - Pile 213
Country of Origin : Not Given
Contract Number : DLA300-91-M-0020

*These analyses were performed on the TCLP Leachate of the sample described above. The TCLP Leachate procedure was performed according to 40 CFR Part 261.

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David W. Lane, Laboratory Manager

APPENDIX 5 - Field Size Analysis

GANNETT FLEMING ENVIRONMENTAL LABORATORY
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Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly DLA-NO

Client Number: 902
Project Number: 7014
Sample Number: 19972
Date Received: 07/18/89
Time Received: 09:48
Discard Date: 09/14/89

LABORATORY ANALYSIS REPORT

August 31, 1989

Sample Identification: **Ferrochrome** 5" size
Date Collected: / / Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 4)		
Antimony, Total	<.1	mg/l
Arsenic,Total	<.005	mg/l
ium, Total	<.1	mg/l
yllium, Total	<.01	mg/l
Cadmium, Total	<.01	mg/l
Chromium, Total	<.01	mg/l
Copper, Total	<.01	mg/l
Iron, Total	0.01	mg/l
Lead, Total	<.03	mg/l
Magnesium, Total	0.02	mg/l
Manganese, Total	<.01	mg/l
Mercury, Total	<.0005	mg/l
Nickel, Total	<.03	mg/l
Selenium, Total	<.005	mg/l
Silver, Total	<.01	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	<.01	mg/l

COMMENTS:
Material : Ferro Chrome
Location of Material : Pile # 17
Country of Origin : Germany
Contract : DLA300-89-C-0020

*At the request of the client, this analysis was performed under a modification of the EP-Toxicity Test Procedure referenced under the Federal Register, Volume 45, No. 98, May 19, 1980. The leachate was performed on a large size sample typifing the actual size of the material as it existed in the stock piles. The sample was not crushed. The sample was mixed with 16 times it's weight in water in a 150 gallon nalgene tank. The pH was maintained at 4.0 and stirred with a large mixer for 24 hours. Compressed air was fed into the tank while the mixing took place.

Gannett Fleming Environmental Labor
David W. Lane, Laboratory Manager

GANNETT FLEMING ENVIRONMENTAL LABORATORY
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CAMP HILL, PA 17011
(717)763-7211
PA DER Certification No. 22-133

Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly DLA-NO

Client Number: 902
Project Number: 7014
Sample Number: 19970
Date Received: 07/18/89
Time Received: 09:48
Discard Date: 09/14/89

LABORATORY ANALYSIS REPORT

August 31, 1989

Sample Identification: **Ferrochrome** 5" size
Date Collected: / / Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 5)		
Antimony, Total	<.1	mg/l
Arsenic,Total	<.005	mg/l
Barium, Total	<.1	mg/l
Beryllium, Total	<.01	mg/l
Cadmium, Total	<.01	mg/l
Chromium, Total	<.01	mg/l
Copper, Total	<.01	mg/l
Iron, Total	0.02	mg/l
Lead, Total	<.03	mg/l
Magnesium, Total	0.05	mg/l
Manganese, Total	<.01	mg/l
Mercury, Total	<.0005	mg/l
Nickel, Total	<.03	mg/l
Selenium, Total	<.005	mg/l
Silver, Total	<.01	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	0.01	mg/l

COMMENTS:
Material : Ferrochrome
Location of Material : NOT GIVEN
Country of Origin : NOT GIVEN
Contract : DLA300-89-C-0020

*At the request of the client, this analysis was performed under a modification of the EP-Toxicity Test Procedure referenced under the Federal Register, Volume 45, No. 98, May 19, 1980. The leach test was performed on a large size sample typifing the actual size of the material as it existed in the stock piles. The sample was not crushed. The sample was mixed with 16 times it's weight in water in a 150 gallon nalgene tank. The pH was maintained at 5.0 and stirred with a large mixer for 24 hours. Compressed air was fed into the tank while the mixing took place.

Gannett Fleming Environmental Laboratory

David W. Lane, Laboratory Manager

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(717)763-7211
PA DER Certification No. 22-133

Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly DLA-NO

Client Number: 902
Project Number: 7014
Sample Number: 20099
Date Received: 07/18/89
Time Received: 09:48
Discard Date: 09/14/89

L A B O R A T O R Y A N A L Y S I S R E P O R T

August 31, 1989

Sample Identification: **Ferromanganese** 5" size
Date Collected: / / Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 5)		
Antimony, Total	<.1	mg/l
Arsenic,Total	<.005	mg/l
Barium, Total	<.1	mg/l
Beryllium, Total	<.01	mg/l
Cadmium, Total	<.01	mg/l
Chromium, Total	<.01	mg/l
Copper, Total	<.01	mg/l
Iron, Total	<.01	mg/l
Lead, Total	<.03	mg/l
Magnesium, Total	0.02	mg/l
Manganese, Total	0.38	mg/l
Mercury, Total	<.0005	mg/l
Nickel, Total	<.03	mg/l
Selenium, Total	<.005	mg/l
Silver, Total	<.01	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	<.01	mg/l

COMMENTS:
material: Ferromanganese
Location of Material: Clearfield Depot; Pile #7
Country of Origin: Japan
Contract: DLA300-89-0020

*At the request of the client, this analysis was performed under a modification of the EP-Toxicity Test Procedure referenced under the Federal Register, Volume 45, No. 98, May 19, 1980. The leachate was performed on a large size sample typifing the actual size of the material as it existed in the stock piles. The sample was not crushed. The sample was mixed with 16 times it's weight in water in a 150 gallon nalgene tank. The pH was maintained at 5.0 and stirred with a large mixer for 24 hours. Compressed air was fed into the tank while the mixing took place.

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PA DER Certification No. 22-133

Defense Logistics Agency DLA-N
Directorate of Stockpile Mgmnt
18th and F Street, N. W.
Washington, DC 20405
Attn: F. Kevin Reilly DLA-NO

Client Number: 902
Project Number: 7014
Sample Number: 19971
Date Received: 07/18/89
Time Received: 09:48
Discard Date: 09/14/89

LABORATORY ANALYSIS REPORT
August 31, 1989

Sample Identification: **Ferromanganese** 5" size
Date Collected: / / Time: Collected By:

ANALYSIS	RESULTS	UNITS
EP-TOXICITY LEACHATE (PH TO 4)		
Antimony, Total	<.1	mg/l
Arsenic,Total	<.005	mg/l
Barium, Total	<.1	mg/l
Beryllium, Total	<.01	mg/l
Cadmium, Total	<.01	mg/l
Chromium, Total	<.01	mg/l
Copper, Total	<.01	mg/l
Iron, Total	<.01	mg/l
Lead, Total	<.03	mg/l
Magnesium, Total	0.04	mg/l
Manganese, Total	1.37	mg/l
Mercury, Total	<.0005	mg/l
Nickel, Total	<.03	mg/l
Selenium, Total	<.005	mg/l
Silver, Total	<.01	mg/l
Vanadium, Total	<.1	mg/l
Zinc, Total	0.01	mg/l

COMMENTS:
Material : Ferromanganese
Location of Material : Clearfield Depot; Pile # 7
Country of Origin : Japan
Contract : DLA300-89-0020

*At the request of the client, this analysis was performed under a modification of the EP-Toxicity Test Procedure referenced under the Federal Register, Volume 45, No. 98, May 19, 1980. The leachate was performed on a large size sample typifing the actual size of the material as it existed in the stock piles. The sample was not crushed. The sample was mixed with 16 times it's weight in water in a 150 gallon nalgene tank. The pH was maintained at 4.0 and stirred with a large mixer for 24 hours. Compressed air was fed into the tank while the mixing took place.

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PA DER Certification No. 22-133

Defense Logistics Agency DLA-N
Attn: Kevin Reilly, DNSC-OD
Directorate of Stockpile Mgmnt
1745 Jefferson Davis Highway
Arlington, VA 22202

Client Number: 902
Project Number: 15043
Sample Number: 42144
Date Received: 03/25/92
Time Received: 12:00
Discard Date: 05/22/92

LABORATORY ANALYSIS REPORT
May 8, 1992

Sample Identification: **Ferromanganese - 3" size**
Date Collected: / / Time: Collected By:

ANALYSIS	RESULTS	MEASUREMENT UNITS	DETECTION LIMITS	ANALYSIS METHOD
EP-TOXICITY LEACHATE PH-5				
Antimony, Total	None Detected	mg/l	.2	EPA 204.1
Arsenic,Total	None Detected	mg/l	.005	EPA 206.2
Barium, Total	None Detected	mg/l	.1	EPA 208.1
llium, Total	None Detected	mg/l	.01	EPA 210.1
ium, Total	None Detected	mg/l	.01	EPA 213.1
Chromium, Total	None Detected	mg/l	.05	EPA 218.1
Copper, Total	None Detected	mg/l	.02	EPA 220.1
Iron, Total	0.05	mg/l	.03	EPA 236.1
Lead, Total	None Detected	mg/l	.1	EPA 239.1
Magnesium, Total	0.05	mg/l	.01	EPA 242.1
Manganese, Total	1.25	mg/l	.01	EPA 243.1
Mercury, Total	None Detected	mg/l	.0005	EPA 245.1
Nickel, Total	None Detected	mg/l	.04	EPA 249.1
Selenium, Total	None Detected	mg/l	.005	EPA 270.2
Silver, Total	None Detected	mg/l	.01	EPA 272.1
Vanadium, Total	None Detected	mg/l	.2	EPA 286.1
Zinc, Total	0.02	mg/l	.01	EPA 289.1

COMMENTS:
Material Name : Ferromanganese, High Carbon
Location : Pile # 7, Clearfield Federal Depot, UT
Weight : 7 lbs. 5.0 oz.
Contract : DLA300-92-M-0040

These analyses were performed on the EP-Toxicity Leachate of the sample identified above. The leaching procedure was conducted according to the EPA Solid Waste Manual SW-846 Method 1310 in reference to 40 CFR Part 261. At The request of DLA, the procedure was modified by processing the sample as received, without reducing the sample size to pass a 9.5mm seive.

Gannett Fleming, Inc.

David W. Lane, Laboratory Manager

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Defense Logistics Agency DLA-N
Attn: Kevin Reilly, DNSC-OD
Directorate of Stockpile Mgmnt
1745 Jefferson Davis Highway
Arlington, VA 22202

Client Number: 902
Project Number: 15043
Sample Number: 42145
Date Received: 03/25/92
Time Received: 12:00
Discard Date: 05/22/92

LABORATORY ANALYSIS REPORT
May 8, 1992

Sample Identification: **Ferromanganese - 3" size**
Date Collected: / / Time: Collected By:

ANALYSIS	RESULTS	MEASUREMENT UNITS	DETECTION LIMITS	ANALYSIS METHOD
EP-TOXICITY LEACHATE PH = 4				
Antimony, Total	None Detected	mg/l	.2	EPA 204.1
Arsenic,Total	None Detected	mg/l	.005	EPA 206.2
Barium, Total	None Detected	mg/l	.1	EPA 208.1
Beryllium, Total	None Detected	mg/l	.01	EPA 210.1
Cadmium, Total	None Detected	mg/l	.01	EPA 213.1
Chromium, Total	None Detected	mg/l	.05	EPA 218.1
Copper, Total	0.03	mg/l	.02	EPA 220.1
Iron, Total	0.05	mg/l	.03	EPA 236.1
Lead, Total	None Detected	mg/l	.1	EPA 239.1
Magnesium, Total	0.05	mg/l	.01	EPA 242.1
Manganese, Total	4.85	mg/l	.01	EPA 243.1
Mercury, Total	None Detected	mg/l	.0005	EPA 245.1
Nickel, Total	None Detected	mg/l	.04	EPA 249.1
Selenium, Total	None Detected	mg/l	.005	EPA 270.2
Silver, Total	None Detected	mg/l	.01	EPA 272.1
Vanadium, Total	None Detected	mg/l	.2	EPA 286.1
Zinc, Total	0.02	mg/l	.01	EPA 289.1

COMMENTS:
Material Name : Ferromanganese, High Carbon
Location : Pile # 7, Clearfield Federal Depot, UT
Weight : 7 lbs. 5.0 oz.
Contract : DLA300-92-M-0040

*These analyses were performed on the EP-Toxicity Leachate of the sample identified above. The leaching procedure was conducted according to the EPA Solid Waste Manual SW-846 Method 1310 in reference to 40 CFR Part 261. At the request of DLA, the procedure was modified by processing the sample as received, without reducing the sample size to pass a 9.5 mm seive. Additionally, the pH of the leachate was maintained at pH 4 during the leaching procedure.

Gannett Fleming, Inc.

David W. Lane, Laboratory Manager

GANNETT FLEMING, INC.
ENVIRONMENTAL LABORATORY
209 SENATE AVENUE
CAMP HILL, PA 17011
(717)763-7211
PA DER Certification No. 22-133

Defense Logistics Agency DLA-N
Attn: Kevin Reilly, DNSC-OD
Directorate of Stockpile Mgmnt
1745 Jefferson Davis Highway
Arlington, VA 22202

Client Number: 902
Project Number: 15043
Sample Number: 42142
Date Received: 03/25/92
Time Received: 12:00
Discard Date: 05/22/92

LABORATORY ANALYSIS REPORT
May 8, 1992

Sample Identification: **Ferromanganese - 2" size**
Date Collected: / / Time: Collected By:

ANALYSIS	RESULTS	MEASUREMENT UNITS	DETECTION LIMITS	ANALYSIS METHOD
EP-TOXICITY LEACHATE PH-5				
Antimony, Total	None Detected	mg/l	.2	EPA 204.1
Arsenic,Total	None Detected	mg/l	.005	EPA 206.2
Barium, Total	None Detected	mg/l	.1	EPA 208.1
P `lium, Total	None Detected	mg/l	.01	EPA 210.1
C .um, Total	None Detected	mg/l	.01	EPA 213.1
Chromium, Total	None Detected	mg/l	.05	EPA 218.1
Copper, Total	None Detected	mg/l	.02	EPA 220.1
Iron, Total	0.04	mg/l	.03	EPA 236.1
Lead, Total	None Detected	mg/l	.1	EPA 239.1
Magnesium, Total	0.07	mg/l	.01	EPA 242.1
Manganese, Total	1.63	mg/l	.01	EPA 243.1
Mercury, Total	None Detected	mg/l	.0005	EPA 245.1
Nickel, Total	None Detected	mg/l	.04	EPA 249.1
Selenium, Total	None Detected	mg/l	.005	EPA 270.2
Silver, Total	None Detected	mg/l	.01	EPA 272.1
Vanadium, Total	None Detected	mg/l	.2	EPA 286.1
Zinc, Total	0.01	mg/l	.01	EPA 289.1

COMMENTS:
Material Name : Ferromanganese, High Carbon
Location : Pile # 7, Clearfield Federal Depot, UT
Weight : 2 lbs 2.5 oz.
Contract : DLA300-92-M-0040

*These analyses were performed on the EP-Toxicity Leachate of the sample ed above. The leaching procedure was conducted according to the EPA Solid Waste Manual SW-846 Method 1310 in reference t FR Part 261. At The request of DLA, the procedure was modified by processing the sample as received, without reducing the sample size to pass a 9.5mm seive.

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Defense Logistics Agency DLA-N
Attn: Kevin Reilly, DNSC-OD
Directorate of Stockpile Mgmnt
1745 Jefferson Davis Highway
Arlington, VA 22202

Client Number: 902
Project Number: 15043
Sample Number: 42143
Date Received: 03/25/92
Time Received: 12:00
Discard Date: 05/22/92

LABORATORY ANALYSIS REPORT
May 8, 1992

Sample Identification: **Ferromanganese - 2" size**
Date Collected: / / Time: Collected By:

ANALYSIS	RESULTS	MEASUREMENT UNITS	DETECTION LIMITS	ANALYSIS METHOD
EP-TOXICITY LEACHATE PH = 4				
Antimony, Total	None Detected	mg/l	.2	EPA 204.1
Arsenic,Total	None Detected	mg/l	.005	EPA 206.[illegible]
Barium, Total	None Detected	mg/l	.1	EPA 208[illegible]
Beryllium, Total	None Detected	mg/l	.01	EPA 210.[illegible]
Cadmium, Total	None Detected	mg/l	.01	EPA 213.1
Chromium, Total	None Detected	mg/l	.05	EPA 218.1
Copper, Total	None Detected	mg/l	.02	EPA 220.1
Iron, Total	0.04	mg/l	.03	EPA 236.1
Lead, Total	None Detected	mg/l	.1	EPA 239.1
Magnesium, Total	0.09	mg/l	.01	EPA 242.1
Manganese, Total	10.3	mg/l	.01	EPA 243.1
Mercury, Total	None Detected	mg/l	.0005	EPA 245.1
Nickel, Total	None Detected	mg/l	.04	EPA 249.1
Selenium, Total	None Detected	mg/l	.005	EPA 270.2
Silver, Total	None Detected	mg/l	.01	EPA 272.1
Vanadium, Total	None Detected	mg/l	.2	EPA 286.1
Zinc, Total	0.03	mg/l	.01	EPA 289.1

COMMENTS:
Material Name : Ferromanganese, High Carbon
Location : Pile # 7, Clearfield Federal Depot, UT
Weight : 2 lbs. 2.5 oz.
Contract : DLA300-92-M-0040

*These analyses were performed on the EP-Toxicity Leachate of the sample identified above. The leaching procedure was conducted according to the EPA Solid Waste Manual SW-846 Method 1310 in reference to 40 CFR Part 261. At the request of DLA, the procedure was modified by processing the sample as received, without reducing the sample size to pass a 9.5 mm seive. Additionally, the pH of the leachate was maintained at pH 4 during the leaching procedure.

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Defense Logistics Agency DLA-N
Attn: Kevin Reilly, DNSC-OD
Directorate of Stockpile Mgmnt
1745 Jefferson Davis Highway
Arlington, VA 22202

Client Number: 902
Project Number: 15043
Sample Number: 42140
Date Received: 03/25/92
Time Received: 12:00
Discard Date: 05/22/92

LABORATORY ANALYSIS REPORT
May 8, 1992

Sample Identification: **Ferromanganese - 1" size**
Date Collected: / / Time: Collected By:

ANALYSIS	RESULTS	MEASUREMENT UNITS	DETECTION LIMITS	ANALYSIS METHOD
EP-TOXICITY LEACHATE PH-5				
Antimony, Total	None Detected	mg/l	.2	EPA 204.1
Arsenic,Total	None Detected	mg/l	.005	EPA 206.2
Barium, Total	None Detected	mg/l	.1	EPA 208.1
llium, Total	None Detected	mg/l	.01	EPA 210.1
.ium, Total	None Detected	mg/l	.01	EPA 213.1
Chromium, Total	None Detected	mg/l	.05	EPA 218.1
Copper, Total	None Detected	mg/l	.02	EPA 220.1
Iron, Total	0.04	mg/l	.03	EPA 236.1
Lead, Total	None Detected	mg/l	.1	EPA 239.1
Magnesium, Total	0.07	mg/l	.01	EPA 242.1
Manganese, Total	2.60	mg/l	.01	EPA 243.1
Mercury, Total	None Detected	mg/l	.0005	EPA 245.1
Nickel, Total	None Detected	mg/l	.04	EPA 249.1
Selenium, Total	None Detected	mg/l	.005	EPA 270.2
Silver, Total	None Detected	mg/l	.01	EPA 272.1
Vanadium, Total	None Detected	mg/l	.2	EPA 286.1
Zinc, Total	0.01	mg/l	.01	EPA 289.1

COMMENTS:
Material Name : Ferromanganese, High Carbon
Location : Pile # 7, Clearfield Federal Depot, UT
Weight : 0 lbs, 5.0 oz.
Contract : DLA300-92-M-0040

*These analyses were performed on the EP-Toxicity Leachate of the sample identified above. The leaching procedure was conducted according to the EPA Solid Waste Manual SW-846 Method 1310 in reference to 40 CFR Part 261. At The request of DLA, the procedure was modified by processing the sample as received, without reducing the sample size to pass a 9.5mm seive.

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Client Number: 902
Project Number: 15043
Sample Number: 42141
Date Received: 03/25/92
Time Received: 12:00
Discard Date: 05/22/92

LABORATORY ANALYSIS REPORT
May 8, 1992

Sample Identification: **Ferromanganese - 1" size**
Date Collected: / / Time: Collected By:

ANALYSIS	RESULTS	MEASUREMENT UNITS	DETECTION LIMITS	ANALYSIS METHOD
EP-TOXICITY LEACHATE PH = 4				
Antimony, Total	None Detected	mg/l	.2	EPA 204.1
Arsenic,Total	None Detected	mg/l	.005	EPA 206
Barium, Total	None Detected	mg/l	.1	EPA 208
Beryllium, Total	None Detected	mg/l	.01	EPA 210.1
Cadmium, Total	None Detected	mg/l	.01	EPA 213.1
Chromium, Total	None Detected	mg/l	.05	EPA 218.1
Copper, Total	None Detected	mg/l	.02	EPA 220.1
Iron, Total	None Detected	mg/l	.03	EPA 236.1
Lead, Total	None Detected	mg/l	.1	EPA 239.1
Magnesium, Total	0.04	mg/l	.01	EPA 242.1
Manganese, Total	12.3	mg/l	.01	EPA 243.1
Mercury, Total	None Detected	mg/l	.0005	EPA 245.1
Nickel, Total	None Detected	mg/l	.04	EPA 249.1
Selenium, Total	None Detected	mg/l	.005	EPA 270.2
Silver, Total	None Detected	mg/l	.01	EPA 272.1
Vanadium, Total	None Detected	mg/l	.2	EPA 286.1
Zinc, Total	0.05	mg/l	.01	EPA 289.1

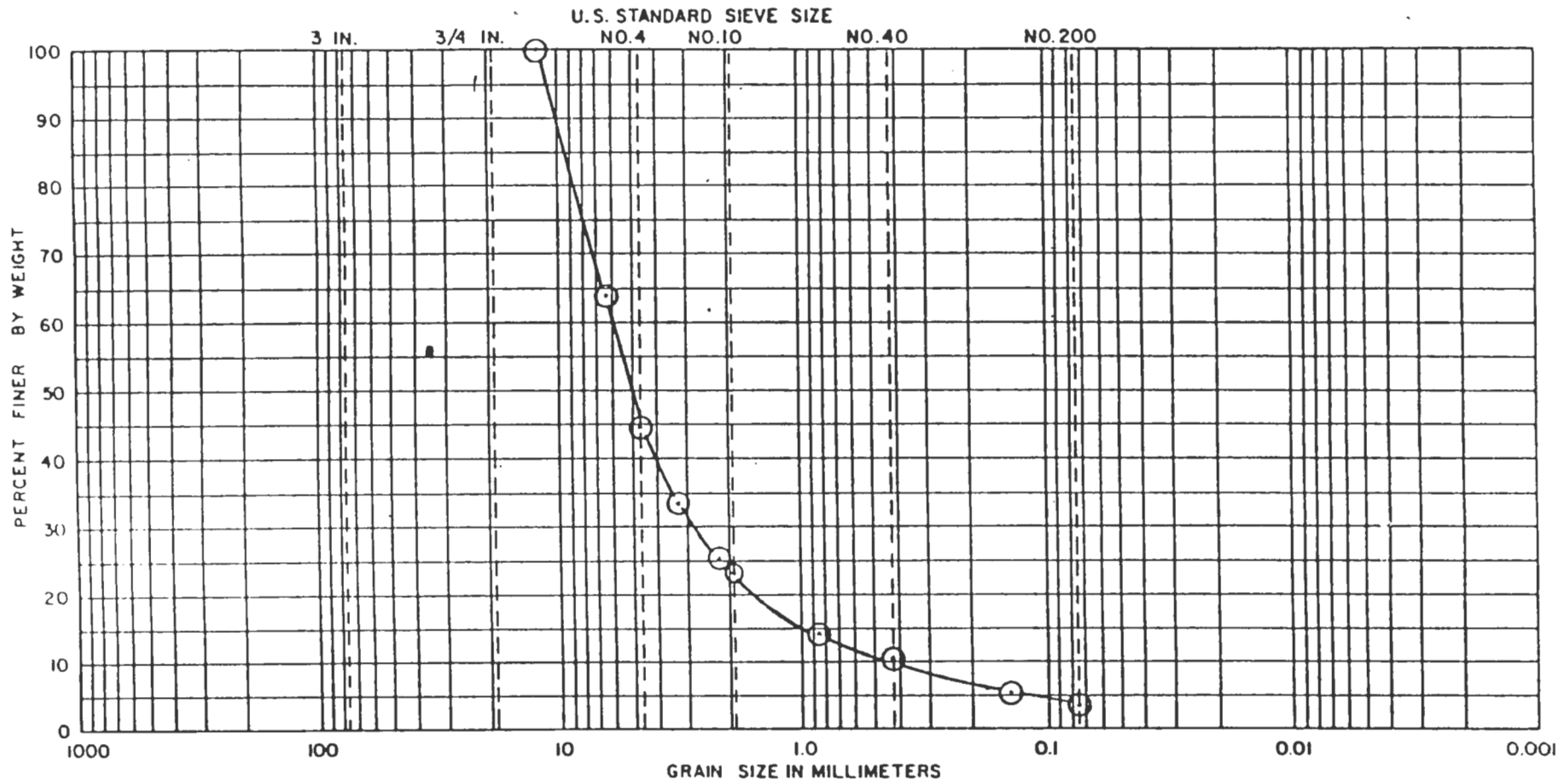
COMMENTS:
Material Name : Ferromanganese, High Carbon
Location : Pile # 7, Clearfield Federal Depot, UT
Weight : 0 lbs. 5.0 oz.
Contract : DLA-92-M-0040

*These analyses were performed on the EP-Toxicity Leachate of the sample identified above. The leaching procedure was conducted according to the EPA Solid Waste Manual SW-846 Method 1310 in reference to 40 CFR Part 261. At the request of DLA, the procedure was modified by processing the sample as received, without reducing the sample size to pass a 9.5 mm seive. Additionally, the pH of the leachate was maintained at pH 4 during the leaching procedure.

Gannett Fleming, Inc.

David W. Lane, Laboratory Manager

APPENDIX 6 - GRADATION CURVES OF TCLP TEST MATERIAL (actual)



COBBLES	GRAVEL		SAND			SILT OR CLAY
	Coarse	Fine	Coarse	Medium	Fine	

Sample No.	Depth	Classification	Nat. WC	LL	PL	PI	Gs
42137	--	--	--	--	--	--	--

Description and Comments: 1st. Trial

CLASSIFICATION TEST - GRADATION CURVES

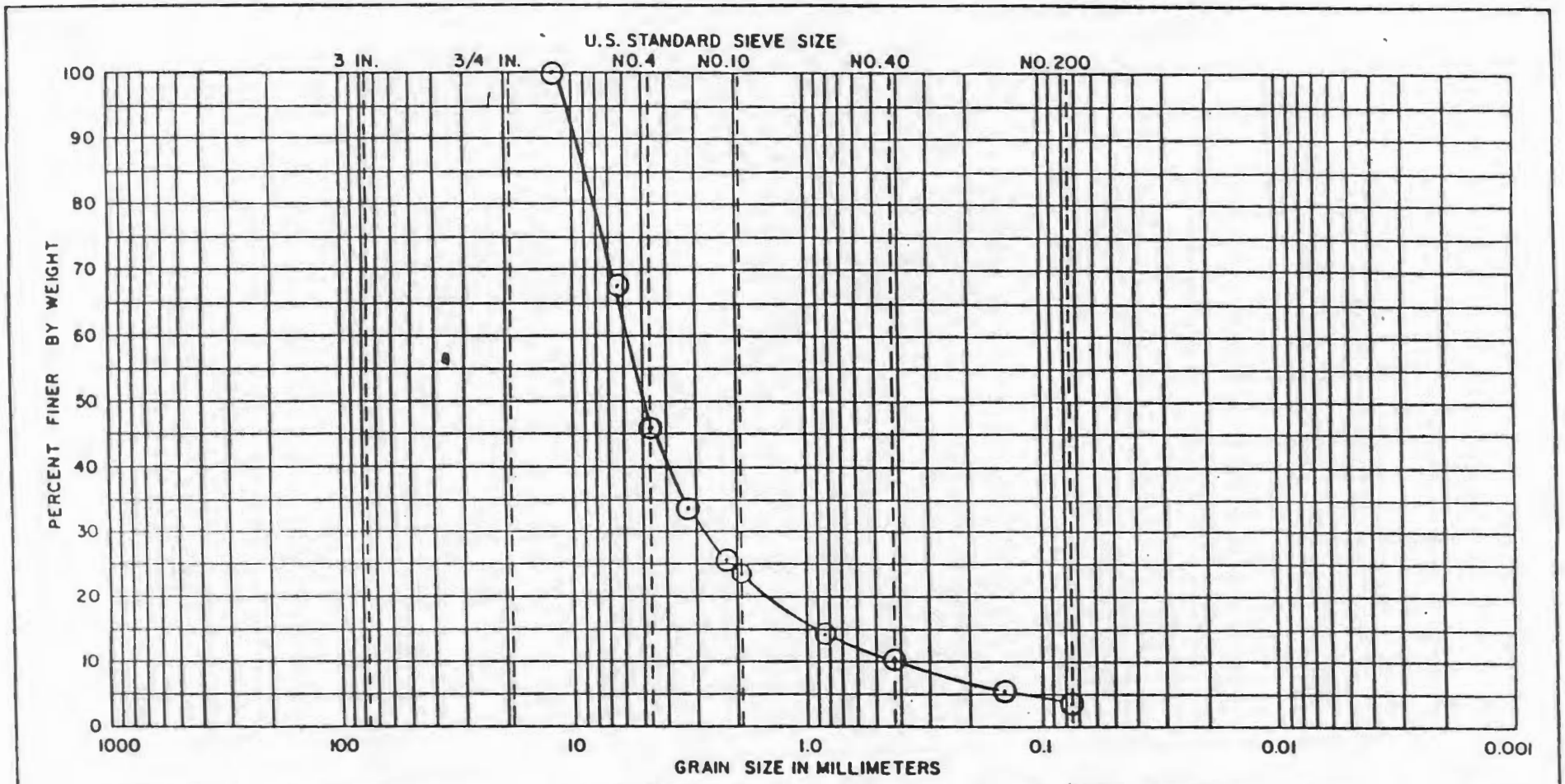
GANNETT FLEMING GEOTECHNICAL LABORATORY

Project: # 15043

Area: DLA/DNSC CLEARFIELD, UT.

Sample # 42137

Date: 4/14/1992 Tested By: KAA



COBBLES	GRAVEL		SAND			SILT OR CLAY
	Coarse	Fine	Coarse	Medium	Fine	

Sample No.	Depth	Classification	Nat.WC	LL	PL	PI	Gs
42138	--	--	--	--	--	--	--

Description and Comments: 2nd. Trial

CLASSIFICATION TEST - GRADATION CURVES

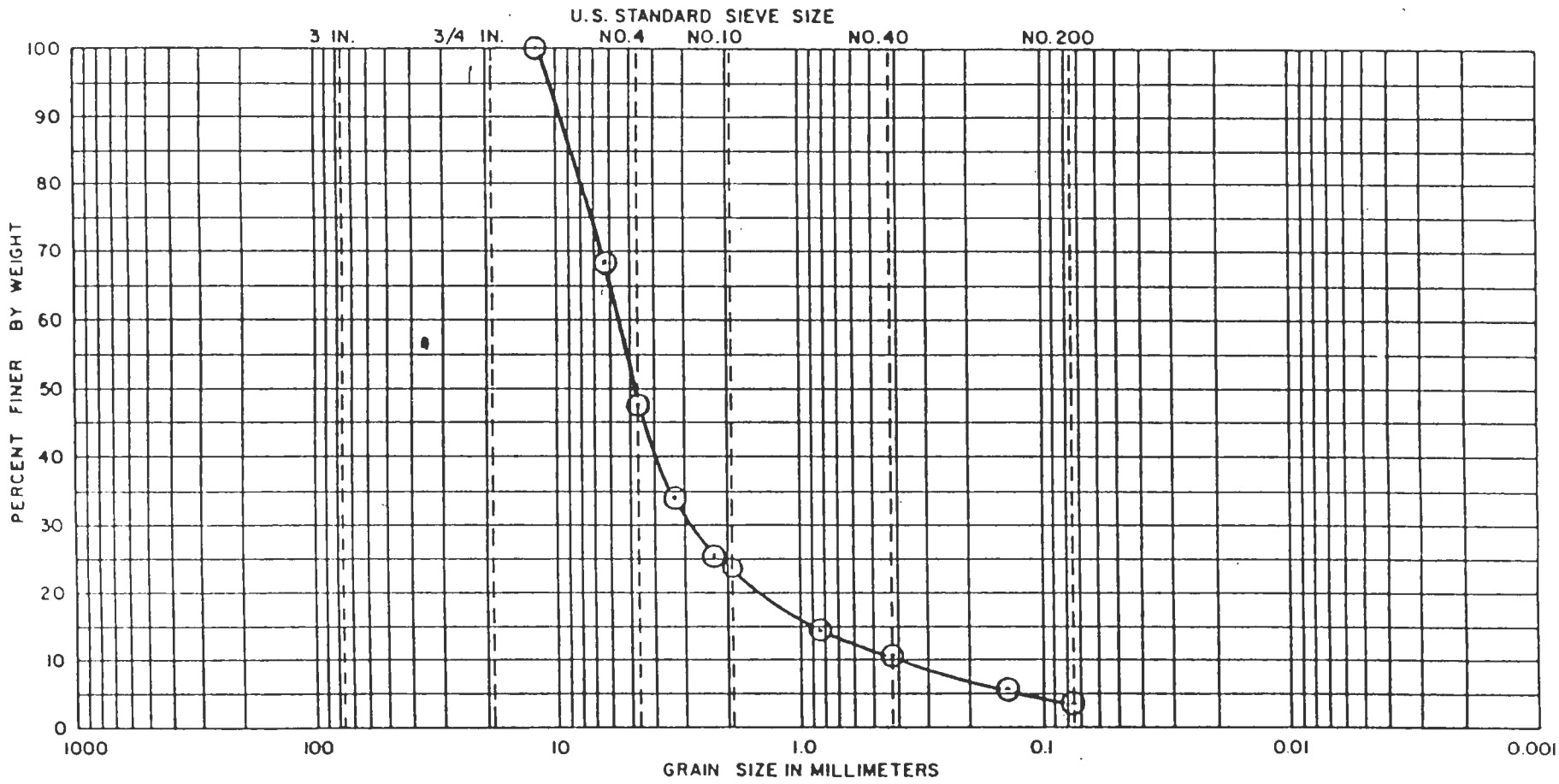
GANNETT FLEMING GEOTECHNICAL LABORATORY

Project: # 15043

Area: DLA/DNSC CLEARFIELD, UT.

Sample # 42138

Date: 4/14/1992 Tested By: KAA



COBBLES	GRAVEL		SAND			SILT OR CLAY
	Coarse	Fine	Coarse	Medium	Fine	

Sample No.	Depth	Classification	Nat. WC	LL	PL	PI	Gs
42139	--	--	--	--	--	--	--

Description and Comments: 3rd. Trial

CLASSIFICATION TEST - GRADATION CURVES

GANNETT FLEMING GEOTECHNICAL LABORATORY

Project: # 15043

Area: DLA/DNSC CLEARFIELD, UT.

Sample # 42139

Date: 4/14/1992 Tested By: KAA

APPENDIX 7 - MATERIALS INSPECTION AND QUALITY CONTROL

PMD P 4400.1
APRIL 30, 1970

MATERIALS INSPECTION AND QUALITY CONTROL

A GSA HANDBOOK

GENERAL SERVICES ADMINISTRATION
WASHINGTON, D. C. 20405

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CHAPTER 4. SAMPLING

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CHAPTER 4. SAMPLING

PART 1. GENERAL

1. Scope. This part describes the importance of sampling as an inspection function; defines terms applicable to the sampling function; outlines steps to be taken in the collection of samples to determine value and quality of materials offered for inspection; and is intended to standardize, insofar as possible, the sampling methods to be used by PMDS Inspection Division and by the contractors performing this service for PMDS.

2. Importance of sampling.

a. Very few defense materials offered for delivery warrant the costly and time-consuming process of piece-by-piece inspection. Sampling is therefore usually the first and most important step which is taken in the actual inspection of material. Inspection, analysis, and testing, no matter how accurate, give solely the composition and quality of the sample itself. It is obvious that the most accurate analysis is of little value if samples are taken in such manner that they are not representative of the lot inspected. Regardless of the accuracy of the analysis of the final sample or the care with which the examination or appraisal is made, inaccurate or careless sampling may lead to improper classification or evaluation, to improper acceptance or rejection of material, and often to litigation. It follows then, that the work of the sampler is just as important as that of the analyst or examiner.

b. The degree to which a sample may be representative of a total shipment or lot will depend not only on the methods used, but even more on the care exercised by the person who samples. No directions for sampling, however explicit, can take the place of judgment, skill, previous experience, and conscientiousness on the part of the person doing the sampling. The sampler's judgment and ability are of greater value because instructions cannot cover every point or combination of circumstances encountered on each inspection.

3. Definitions.

a. Sampling. Defined as the process of securing a representative portion of materials for the purpose of gaining information as to the composition of the whole by investigation of the part. The correct sampling of a lot of material is the process of obtaining from it a smaller quantity

which contains unchanged percentages of all constituents of the lot sampled. The object of sampling is to obtain this small representative portion for inspection, test, or analysis to determine the type, quality, or composition, and therefore the acceptability and unit value of the total lot inspected.

b. Gross Sample. The total quantity of material which has been withdrawn by means of mechanical, hand-tool samplers, or by grab methods from the material tendered for inspection.

c. Coning and Quartering. The means of reducing the gross sample to the small samples, for analysis or other determination of the type, quality, or composition of the lot being inspected. Whenever a mechanical means is available for accomplishing this or any part of this reduction of the sample quantity and/or particle size, such mechanical means shall be used.

d. Laboratory Sample. The important small sample to be submitted to a laboratory, as required, for the proper determination of the lot, unless the gross sample is required to be sent to the laboratory.

4. Selection and control of samples.

a. Samples of material for analysis, test, or appraisal shall be selected by or under the supervision of the Inspector. When sampling is performed under a service contract, the Inspector shall be present at the time sampling is started and shall spot check frequently thereafter. He shall take all necessary measures to assure himself that sampling is performed in accordance with terms of the contract, but shall not take samples himself or otherwise interfere with the service contractor's sampling procedure.

b. Suppliers shall not be permitted to handle samples of material, except in the presence of the Inspector, nor shall they interfere with the service contractor's performance. If shipment to a laboratory is required, samples must be forwarded to the laboratory by the Inspector and not by the supplier. However, when sampling is performed under service contract, the service contractor will forward the samples. The selection and preparation of representative samples from shipments or lots is often laborious and expensive; therefore, a close check or control shall be maintained on all samples which must be submitted to laboratories for testing.

5. Physical tests and chemical analyses. The Inspector shall conduct, supervise, or witness required tests in accordance with the methods prescribed in the contract or applicable specifications. Where the supplier has no facilities for making required physical tests, they shall be made at a laboratory acceptable to the Inspector. When GSA laboratories cannot perform the necessary tests and there is no commercial service contract in effect to do the work, arrangements should be made for testing under service contracts or agreements with qualified laboratories within the region making the inspection.

PART 2. BASIC SAMPLING PROCEDURES

6. Purpose. This part prescribes procedures for the preparation for sampling, obtaining of a representative sample, care of samples and equipment, forwarding of samples for analyses and tests, and describes factors affecting the sampling method and sample size.

7. Preparation for sampling.

a. Weight Check. At least one percent of containers in each lot of packaged materials shall be selected for weight checks. Each container from samples so selected shall be emptied and the exact gross, tare, and net weight determined. If the containers selected for weight checks have had sample material removed, compensation must be made in calculating weight.

b. Equipment. The maintenance of all sampling equipment in good working condition is essential for accuracy in sampling. The use of worn or battered equipment on bulk ores, for example, affects not only the size of the sample portion but also the distribution of coarse and fine material, with the result that the sample is not representative of the lot. In coning and quartering, the relative distribution of coarse and fines in the cone can be appreciably altered by a turned or unevenly worn edge on the shovel. A bent dividing partition in a riffle changes the relative size of the sample discharges. In addition, all sampling equipment must be carefully cleaned both before and after use in order to avoid contaminating the sample with dust and dirt or with particles of the material on which the equipment was last used.

8. Representative sample. The method for obtaining a representative sample varies according to the physical characteristics of the commodity; i.e., whether the material is liquid or solid, free flowing or viscous, homogeneous or heterogeneous, and according to other factors dealt with in Paragraph 10, below. Specifications included either by incorporation or reference in contracts or purchase orders are sometimes specific in regard to the methods of inspection, sampling, and testing to be used and to the size of the sample to be taken. Whenever this is the case, these contract requirements must be observed by the Inspector.

a. Random Samples. Samples must be taken from locations scattered throughout the lot, or at points uniformly distributed throughout the lot. A random sample is a sample drawn in such manner that each item or portion in the lot has the same chance of being the first item in

the sample, regardless of its position, quality, or appearance; after the sample is drawn, each of the remaining items in the lot should have the same chance of being the second item in the sample. This procedure should be followed until the total sample is taken. The Inspector should use a random sampling table for this type sampling.

b. Composite Sample. When the material being sampled varies appreciably in size and composition, it is important for the Inspector to see that the individual sample portions are representative of those parts of the material from which they were drawn, rather than to try to make each portion representative of the entire lot. The composite of all the portions will then be properly representative of the entire lot.

c. Biased sampling. Inspectors should avoid biased sampling procedures, such as preference for easily accessible units or following routine selection patterns which are easily recognized and involve frequent choice of units in the same sequence. Examples of these are taking items from the same position in containers, stacks, or piles in every inspection, taking items from the top of a container, not taking items from the top of a container, or taking items from the output of certain identical production elements and not from others.

9. Care of samples. During the whole process of sampling, from the time the gross sample is taken until the laboratory sample is packed and sealed in a container for shipment, the sample must not be subjected to any conditions which could alter the quality or composition of the material, or allowed to be contaminated with foreign matter from any outside source. Samples not adequately protected and exposed to any condition which may affect a volatile or vital property of the material are no longer representative of the shipment or lot from which the samples were drawn.

10. Validity of samples. The Inspector must be in a position to vouch for the validity of a sample from the time of sampling until delivery to the analyst. The laboratory samples shall be placed in proper containers immediately after completion of sampling. These containers shall be sealed so that tampering can be detected, and delivery initiated at once. Such practices as leaving the samples in the custody of the producer or having the contractor or producer mail the samples are absolutely forbidden.

11. Factors affecting the sampling method and sample size. The factors that affect the method used in sampling a shipment of any particular commodity and the size of the sample to be taken may include any or all of the

following:

a. Physical Characteristics of the Material. The difficulty in securing a representative sample and the sample size increases as the character of the commodity advances from free-flowing to a viscous liquid, a semi-solid, and a solid.

b. Bulk or Packaged Material. Bulk shipment is used for large lots of moderately coarse material and some liquids of relatively low value. Sampling can best be accomplished by mechanical means while the material is moving into or from the carrier's conveyance. As the value of the material and the fineness of particle size increases, material must be packaged to prevent loss or contamination during shipment and handling.

c. Size of Lot Delivered. It is customary to establish a normal size sample for the normal size lot delivered and then, other factors being equal, vary the sample size from the normal when the size of the lot inspected varies from the normal.

d. Accuracy of Analytical Methods. A sample should represent the original material to within the same degree of accuracy as can be obtained from the analytical methods used in evaluating the sample.

e. Use of Samples. The method of taking the sample, the amount of sample required, and the treatment of the sample to some extent varies with the character of tests to be performed or the use which will be made of the sample.

f. Contractor Performance Record. The size of the sample taken may be determined to some extent by the record of the contractor on previous deliveries.

g. Conditions Under Which Sampling Must Be Done. A poor location with insufficient room for proper handling, unfavorable weather in an outside location, a shortage of labor for handling, or the lack of a particular type sampling equipment may prevent the use of the most desirable sampling procedure. Other important factors are whether the material must be sampled in a stockpile, a ship's hold (it is impossible to obtain a representative sample in either of these locations), or whether sampling can be done while loading or unloading, or from a railroad car.

12. Transmission of samples. The following procedures shall be followed in the identification and transmission of samples under PMDS programs when samples are required to be sent to a laboratory for analyses or tests:

a. Identification of Samples. Each sample forwarded to a laboratory for test and/or analysis or held by the Government for umpire purpose shall bear a GSA Form 337, Sample Identification Label (figure 4-12.1), completely filled in. The items to be completed are self-explanatory.

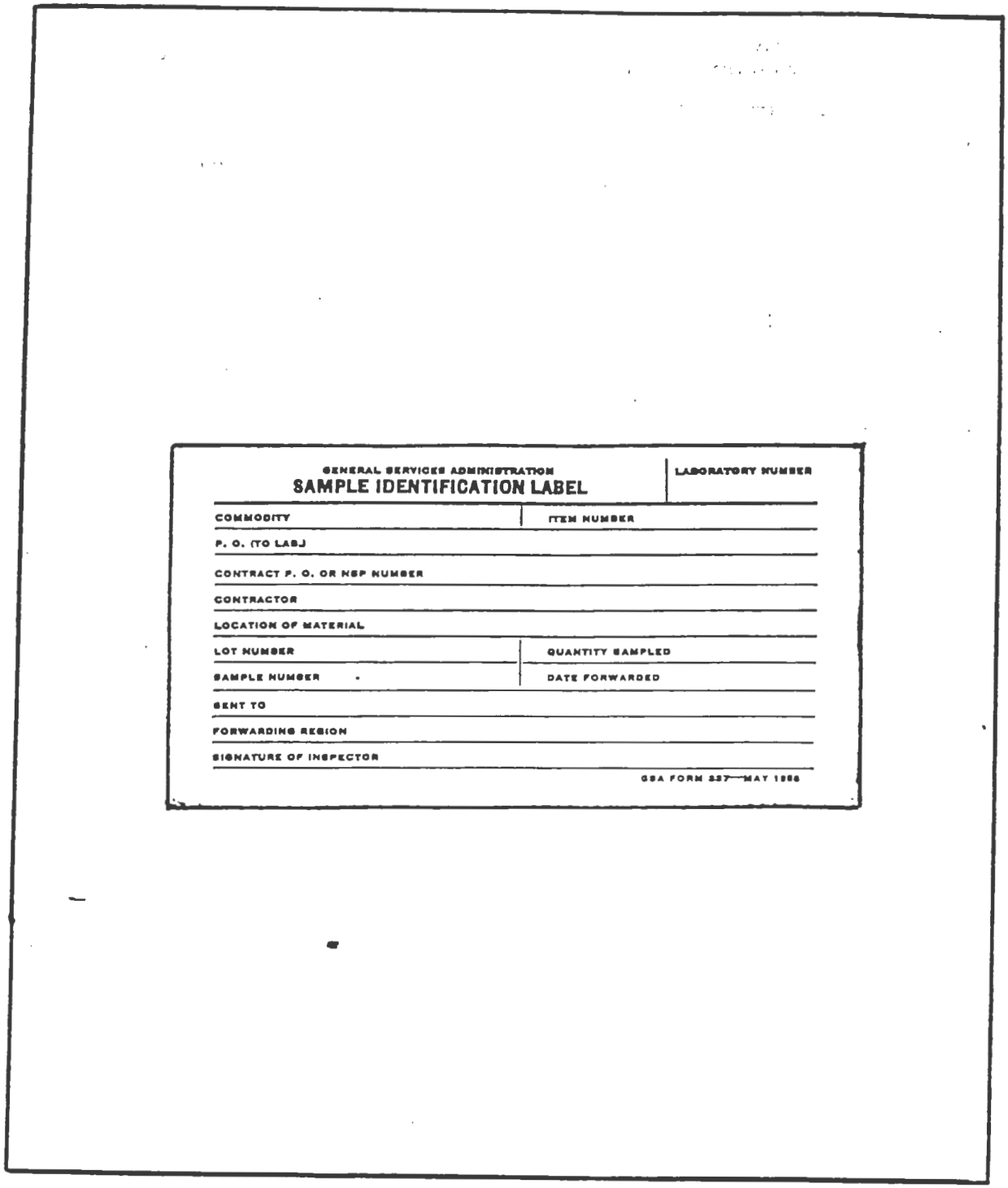
b. Distribution of Samples. Three identical portions shall be drawn from the laboratory sample representing a shipment or lot, and shall be distributed as follows:

(1) One shall be sent to the prime contractor, or his designee, who, in accordance with contract terms or at his own discretion, may have tests and analyses performed.

(2) One, hereinafter referred to as the "Government's laboratory sample," shall be sent to the laboratory specified by the regional Inspection Branch for analyses and/or tests. When the analyses cannot be made by laboratories within the region making the inspection or by use of an existing service contract between PMDS and a commercial laboratory, the Government's laboratory sample shall be held by the regional office and instructions requested from the Central office immediately.

(3) One, called the "umpire sample," shall be held in reserve, in case an umpire analysis is required.

c. GSA Form 1269, Record of Samples Transmitted and Request for Analyses. GSA Form 1269, Record of Samples Transmitted and Request for Analyses (figure 4-12.2), shall be used when forwarding samples for tests and/or analyses to commercial or Government laboratories. The distribution of the form, analysis certificates, and invoice is printed thereon.



GENERAL SERVICES ADMINISTRATION

SAMPLE IDENTIFICATION LABEL

LABORATORY NUMBER

COMMODITY | ITEM NUMBER

P. O. (TO LAB)

CONTRACT P. O. OR NSP NUMBER

CONTRACTOR

LOCATION OF MATERIAL

LOT NUMBER | QUANTITY SAMPLED

SAMPLE NUMBER | DATE FORWARDED

SENT TO

FORWARDING REGION

SIGNATURE OF INSPECTOR

GSA FORM 337—MAY 1966

Figure 4-12.1. GSA Form 337, Sample Identification Label

Item 15. Check the applicable box to indicate tests described.

Item 16. Check the applicable box to indicate the nature of the document under which tests will be performed.

Item 17. Check the applicable box.

Item 18. Check the applicable box or boxes.

Item 19. Enter the location where the material was sampled.

Item 20. Enter the date the sample was taken (the start and final dates, if more than one).

Item 21. Indicate the disposition to be made of the remainder of the sample(s) after the analysis.

Item 22. For comment, if any.

Figure 4-12.2. GSA Form 1269, Record of Samples Transmitted and Request for Analyses (Part 3 of 3)

PART 3. SAMPLING METHODS

13. Scope.

a. This part prescribes sampling methods to be followed by Inspectors and by contractors performing services for PMDS.

b. The methods outlined are based upon recognized and accepted industrial practices and should be applied as standards in the sampling of commodities listed herein. These methods are general in scope, since they must be adaptable to varying conditions encountered in sampling operations. Minor modification of the methods and procedures may be effected as deemed appropriate and necessary by the Chief, Inspection Branch, of the region concerned.

14. Sampling Method No. 1. This method is especially applicable to free flowing powders, granules, small crystals, and other finely divided materials which tend to segregate or stratify by gravity into layers of different compositions, and covers material received in boxes, bags, barrels, drums, and other containers too large to be sent to the laboratory.

a. Apparatus. The apparatus, called a sample trier or thief, to be used on materials in this category consists essentially of two slotted tubes, one of which fits within the other. It can be taken apart readily and cleaned by merely brushing. The original Minnesota State grain trier or the Grain Sampler recommended by the Association of Official Agricultural Chemists, which is shown in the Fisher Scientific Catalogue, can be used, and the apparatus designed by and made for United States Customs Laboratory at New York, a drawing of which appears on Page 150 of the U. S. Treasury Department, Bureau of Customs "Sampling Guide," published by GPO, is also recommended.

b. Gross Sample.

(1) For commodities received in containers other than bags, ten percent of the containers in any shipment or inspection lot shall be opened for inspection and sampling. The percentage of containers sampled may be increased if, in the opinion of the Inspector, the character of the material is such as to warrant additional sampling.

(2) For commodities received in bags, the rate of sampling should be as follows:

(a) For lots containing ten tons net or less, a sample shall be taken from ten percent of the bags, or from twenty bags, whichever is the greater number.

(b) For lots ranging in size from ten tons to one hundred tons, samples shall be taken from twenty bags, plus one additional bag for each additional ton of material in excess of ten tons.

(c) For lots exceeding one hundred tons net, samples shall be drawn from one hundred containers, plus one additional container for each additional two tons of material in excess of the first one hundred tons.

(d) The sampling procedure described in (a), (b), and (c), above, applies to material in bags having a net content of approximately one hundred pounds or less. For greater net weights, the number of containers sampled may be reduced in proportion to the percentage of increase in weight over one hundred pounds net per container. Containers to be sampled should be selected at random and, as nearly as possible, from different parts of the lot. The actual sampling operations will differ according to containers and conditions under which sampling is accomplished, but a cross section of the material sampled must be obtained from top to bottom of the containers, to eliminate poor representation due to settling or stratification of mixtures or powders of different degrees of fineness or specific gravity. Therefore, the special trier described under Paragraph 14.a., above, should be inserted from either end of the container through to the opposite end and, if possible, diagonally.

(3) The accumulated samples from 10 percent of bags or other containers in a 1,000-unit lot will amount to about 20 pounds. The total sample taken from one lot shall be thoroughly mixed and then riffled down through an approved riffler to such an amount as will provide the required number of samples, each of which should have a minimum weight not less than the amount shown for the commodity in Column 3 of the Table, Part 4, below.

c. Laboratory Sample. Normally, the number of samples required is three, one for the seller, and two for the Government, one of which is called the Umpire. If the vendor desires more than one sample, it should be prepared along with the others. After riffling the composite sample down to minimum requirement for the final samples, the material is again thoroughly mixed and, placed on a large sheet of heavy wrapping paper or oilcloth, spread out in a layer about one inch thick on

the mixing surface by coning and flattening, and then divided into the required number of portions. Disposition of samples collected from each lot shall be as directed in Paragraph 12, above.

15. Sampling Method No. 2. This method of sampling is applicable to solids of known uniform chemical composition, such as agar, quebracho, shellac, or similar loose solids in the form of lumps, flakes, crystals, cubes, sheets, powder, etc., of uniform chemical composition and contained in ships' holds, railroad cars, bags, drums, barrels, boxes, or other containers.

a. Apparatus. A trier or thief (so-called butter trier) may be used, 14 inches over-all length with a half-cylinder stainless steel blade, approximately 13 inches long with greatest diameter 11/16 inch near the handle and tapering uniformly to 9/16 inch diameter at the rounded, sharp digging end. This trier is used in the case of material in barrels, by first boring 1-inch holes through top or side of the barrel, then inserting the trier, removing a portion for sample, and then closing the hole in the barrel with a cork stopper or wooden plug. The trier may also be thrust through the walls of a jute or cloth bag, a portion of the contents removed, and the hole closed by sewing. Shovels, spoons, and hands may be used, where applicable. Hammers may be necessary to reduce lumps and, in conjunction with chisels, to chip or break solid masses. Jones' samplers will be found convenient in the operation of reducing the gross samples to laboratory size.

b. Gross Sample. This method requires judgment (based on the character of the materials being sampled). Lumps should be selected to truly represent the material. It is most important to secure a proper ratio between the larger pieces and the finer powder, which is practically always present. Uniformly fine materials present much less difficulty in sampling, but, due to various causes, the condition of the outside and surface portions of the materials may differ more or less from that of the interior. It is therefore always advisable to use a trier. In all cases, the sampler is to satisfy himself that the sample is typical of the materials and not merely typical of a portion. If individual containers of the same invoiced material appear to differ in any way, samples of the differing materials should be sent to the laboratory also. Material packed in barrels should be sampled by removing the heads and taking three trier samples, one near the center, and one radially on each side of the center halfway between the center and side, or holes may be bored through the sides of the barrels, the trier portion removed and the holes closed with cork stoppers or wooden plugs. Bags should be pierced with the 14-inch

trier, each bag in places equally distant from each other, portions removed, and the holes sewed up. The hole which the trier makes in the cloth bag can be closed by knitting with a sharp pointed instrument. Ten percent of barrels, bags, and similar containers in each lot should be sampled. The gross samples should be equal in weight to 1/10 percent of the lot, but never less than ten pounds.

c. Laboratory Sample. The gross sample, which should be collected in bags or buckets, is transferred to a smooth surface, preferably steel, and the lumps or other large pieces broken up. After crushing, mixing, coning, and quartering, the sample is placed on a clean cloth or paper and rolled. The rolled material is spread out with a spatula and small amounts selected from points all over the spread material so that the final sample will be representative. If the spread material is fine, the portion for the laboratory sample may be selected by means of an approved riffler. Disposition of samples collected from each lot shall be as directed in Paragraph 12, above.

16. Sampling Method No. 3. This method covers hand sampling of heterogeneous solids in various forms. It is recommended only where no sampling machinery is available. Each problem must be worked out by the sampler, bearing in mind the particular conditions occurring at the place of sampling. The methods will, of necessity, vary, depending upon the type of material, such as coarse, fine, or mixtures of both, as well as the containers.

a. Apparatus. Short and long-handled shovels, coal forks, with suitable rounded point and others with square digging edges, wheelbarrows, light and heavy hammers and mauls, gross sample buckets and bags, spatulas, triers as described in Method 2, pipe samplers, 6 to 8 feet long, 2 inches in diameter, having a narrow slot lengthwise starting a foot or more from handle end and ending within a few inches of the opposite, sharpened, circular end. Whenever it is possible to obtain or use crushers and grinders, Sturtevant, Braun, and Allis-Chalmers are recommended. If power crushers and grinders are available, even at some distance, it is advisable to transport the gross samples to them.

b. Gross Sample.

(1) Mechanical sampling, the most efficient and economical method, should be used whenever possible. This process produces approximately 3.2 pounds of sample for each net ton of original solids. The sample so produced is in a state of fineness to pass through an eight-mesh

screen. The amount of sample at this stage from a 100-ton lot of solids would be 320 pounds. This is mixed, coned, and quartered to 50 pounds (the gross sample).

(2) Hand sampling of coarse and fine solids loaded in bulk into railroad cars is to be accomplished by taking samples from 12 spots in the material in each car. One in each corner of the car near the bottom of the pile, and one in each corner near the top, and 4 of the material in the center of the car, with 2 of the latter being near the top and 2 near the bottom of the pile. A total of from 50 to 100 pounds of material is to be obtained from each car. When material is sampled in trucks, a similar procedure shall be followed, with a proportionate number of spots selected and quantity taken. These samples can be taken with shovel, or, if the material is fine or soft, with pipes driven into the material. The sample portions from all of the cars or truck loads of material comprising the lot are to be crushed with a crusher, or broken by hammers and mauls, if no crusher is available, so that no lumps exceed two inches in size. Then, the quantity is reduced to about five tons for each lot of material, by mixing, coning, and quartering. When a power crusher is not employed, a hard, clean surface, free from cracks and protected from rain, snow, wind, and beating sun, shall be used for breaking up the lumps. Cinders, sand, and chips, or other contaminating material must be avoided. This additional crushing of large lumps may be done with hammers or mauls. The 5-ton portion can be reduced in stages to about 1/4-inch size, which material shall be quartered or riffled to about 100 pounds. Materials in barrels, bags, or similar containers shall be sampled by removing about 5 pounds from below the surface in every tenth container, with a shovel, trier, or pipe, care being taken to see that the 5-pound sample is representative of the entire contents of the container. If this method is not practicable, every tenth container should be dumped on a clean, hard surface, and by means of shoveling, coning, and quartering, and reduced to approximately 5 to 10 pounds in weight. The gross sample thus consists of a combination of these portions. It may be necessary to reduce the size of the particles, the procedure for which is outlined above. In cases of sampling, where the routine described here cannot be carried out, representative pieces should be sent to the laboratory as a sample. If solids are being transported by a belt conveyor, the belt could be stopped every hour and all of the material lying between two idlers taken. The belt should be swept clean of material at this place. If equipment exists for cutting the stream as it passes over the end of the belt, sample portions of the material, in the amount of at least two pounds for each one ton of material, could be taken at regular intervals. Whenever possible, bulk shipments should be sampled while being unloaded from

or loaded into the carrying vehicle, because samples taken in this manner are generally more representative than those taken from loaded material in a car or truck.

c. Laboratory Sample. The gross sample of about 100 pounds should be further crushed and be reduced in steps so that about 5 pounds of material passing a 16 or 20-mesh screen results. This five pounds should be ground to pass a 100-mesh or finer screen, be mixed well, and divided by riffling into the required number of sample packages for the chemical analysis. If the sampler is able to prepare the 100-pound sample from the gross sample, but is unable to proceed further due to lack of apparatus, the 100-pound sample should be sent to the laboratory. Disposition of samples collected from each lot shall be as directed in Paragraph 12, above.

17. Sampling Method No. 4. This method of securing samples for laboratory analysis covers metals, solders, and other similar materials received in the form of ingots, pigs, slabs, rondelles, bars, castings, and scrap.

a. Apparatus. Apparatus shall consist of power drill presses using drills of varying diameter, usually 5/16 inch, and power metal saws or miller; and a Jones' or more modern approved sample riffle which divides a sample into two parts by one passing of the material, each part representative of the original material.

b. Gross Sample.

(1) The gross sample shall be taken preferably during plant production at the time of final forming or casting, and concurrently with manufacturer's sampling. If this is not possible, then sampling may be done either by sawing, drilling, or milling a representative group of castings or sample specimens, and shall represent the average cross section of the commodity.

(2) In the sampling of castings or sample specimens, select samples at random from the lot. Considering three ingots as a rectangular unit, drill three holes entirely through unit, one at the center and one at each end on a diagonal of the rectangle, starting from the bottom. Use no lubricant on the drill, and if the sample shows oil or grease, remove this with ether. Start the drill on the surface sufficiently to remove all oxide and clean surface before commencing to take the sample. Control the drill speed so as to prevent over-heating and oxidation of the

chips. Collect the drillings for the sample. Discard all drillings carrying oxide from the "set" or burned by the drill. Keep drillings in an airtight bottle.

(3) The receiving laboratory will be directed to sift all sample drillings submitted on a screen with 250 meshes per square cm., in order to remove material which is ground between the drill and sides of the hole, and also to extract with a strong magnet any iron which may come from the drill. For certain metals, gross samples shall be obtained by the following special procedures:

(a) Nickel - From five percent (5%) of the electrolytic cathodes of a lot up to a maximum lot size of 50 LT, using template prescribed by ASTM-B39.

(b) Tin - From ten percent (10%) of the pigs of a melt or lot up to a maximum lot size of 50 LT.

(4) Pigs and bars of antimony, bismuth, and cadmium may be sampled by selecting at random three pigs or bars from each lot. The gross sample will be obtained by sawing through the sample in sufficient places to obtain representative sawdust for the required laboratory samples. Saw cuts shall be made approximately 5/8 inch deep on samples 1-1/4" or more wide, and must be so spaced that metal from the entire sample is adequately represented. Saw cuts approximately 5/8" deep should be made on sample 1-1/4" wide by 8-1/2" long as follows: One longitudinal cut on each and approximately 5/8 inch from the edge on a bar 1-1/4" wide. Transverse cuts should be spaced with marks on one side at 2-1/4", 4-1/4", and 6-1/4" from one end, while the opposite side should be spaced with marks at 1-1/4", 3-1/4", 5-1/4", and 7-1/4" in order that the transverse sawing will not segregate the sample bar into more than one piece. No lubricants shall be used for sawing. The sawings shall be carefully treated with a magnet at the laboratory to remove any particles of steel introduced in taking the sample.

c. Laboratory Sample. Gross samples of drillings and milling shall be reduced by approved methods for the laboratory sample. Disposition of samples collected from each lot shall be as directed in Paragraph 12, above. Cobalt in the form of rondelles shall be sampled by selecting representative portions from ten percent of containers in each lot in the same manner as the gross sample described in Paragraph 15, above. The sample is prepared from the gross by collection in bags or buckets. The accumulated samples from ten percent of containers in a 1,000-unit

lot will amount to approximately 100 pounds. The total or gross sample taken from one lot shall be thoroughly mixed and then riffled down through an approved riffler to such an amount as will provide the required number of samples. Sample cobalt rondelles obtained shall be sent to the laboratory without further processing.

18. Sampling Method No. 5. This method is applicable for sampling of lubricants, fuels, and other commodities in liquid form contained in drums, barrels, cans, tank cars, and storage tanks. Commodities which may be sampled by this method are liquid petroleum products, castor, palm, and sperm oils, and mercury.

a. Apparatus. Apparatus shall consist of metal thiefs, as described in ASTM Standards D-270-65, and a gross sample container (a clean metal or enameled can or glass jar of suitable capacity). Thiefs, gross sample containers, and the sample bottle used in sampling these liquids should be cleaned with a solvent, such as naptha, washed with warm water and soap, and thoroughly dried before use. If corrosive liquids like acids are to be sampled, the above instruments should be cleaned with soap and warm water and dried before and after use.

b. Gross Sample.

(1) Where standard or tentative standard methods for sampling by ASTM or other recognized specifications are required by the contract, they shall be followed in detail, in addition to the more general requirements appearing in these methods, and shall supersede them if there is conflict.

(2) Unless otherwise directed, one out of every ten drums shall be sampled. However, if shipment consists of less than ten drums, each drum shall be sampled.

(3) Prior to removing the bung, the drum should be rolled, if possible, to thoroughly mix its contents; if impractical to roll, the contents should be well mixed by stirring by means of a rod, after removing the bung. The rod should be of a length to reach the opposite side of the drum. If available, a high-speed bung entering electric-driven, propeller-type mixer should be used.

(4) After contents of drum have been thoroughly mixed, slowly insert appropriate thief until its end touches opposite side of the drum. Close thief and withdraw transferring contents to gross sample container;

repeat operation until at least a twelve-ounce sample has been obtained.

(5) Care must be exercised to insure the uniform dispersal of solid matter and sediment, if any, that may have collected in the bottom of the drum. Contents must be homogeneous when the sample is withdrawn. During cold weather, certain types of liquids, such as anise oil, sperm oil, and others, may solidify; and when this occurs, the drums should be removed to a warm place to allow contents to liquefy. Then, after thorough mixing, the sample should be taken as above.

c. Laboratory Sample. The one or more samples in the gross sample container are well mixed by shaking or stirring; depending upon the character of the sample, it may be poured or transferred by a thief to a bottle for laboratory test. Disposition of samples from each lot shall be as directed in Paragraph 12, above.

19. Sampling Method No. 6. This method is applicable to semi-liquids, viscous liquids of syrupy consistency in ships, tanks, tank cars, barrels, and other containers.

a. Apparatus.

(1) A bucket, approximately two-gallon capacity, made of heavy galvanized iron, and equipped with an attached, close-fitting lid, should be used for gross samples. If such a bucket is not available, other types may be used, but it must have a close-fitting lid. For barrels and similar containers, use a strong stick, 40 inches long, 1-1/2 inches wide, and 1-1/8 inches thick at the handle. This is known as a stick sampler. For syrups in tank cars, a beaker may be used, as described under b, below.

(2) The utmost care should be taken to keep all the sampling apparatus clean and dry when not in use. The sampler should supply himself with suitable cleaning and polishing material. The stick should be scraped occasionally, and a suitable scraper should be on hand.

b. Gross Sample.

(1) Merchandise in ship's tanks and tank cars is sampled by taking one-pint (1/2 liter) samples from a spigot in the discharge line at regular intervals, depending upon the rate of discharge, so that each one-pint (1/2 liter) portion represents a like volume. These portions are poured into the gross sample bucket (one bucket of samples for each 5,000

gallons discharged).

(2) For merchandise in barrels and similar containers, at least 10% if the containers in a lot should be sampled. The contents of each receptacle to be sampled should be stirred with the stick sampler; and when uniform, the stick is withdrawn and the clinging syrup is deposited in the sample bucket by drawing the stick across an edge.

(3) Syrups in tank cars may be sampled by a device consisting of a 1-liter cylindrical brass beaker or bottle equipped with two chains, one attached to the beaker, and the other to the lid of the beaker. This brass beaker is lowered, first to one-third the depth of the tank, the lid raised while the beaker fills, then closed, and the beaker withdrawn. The operation is repeated at one-half and two-thirds depth of the tank. The three portions are emptied into the gross sample bucket and mixed.

c. Laboratory Sample.

(1) The gross sample is mixed in the buckets by use of the stick sampler or a shorter one. When the stick is withdrawn, the clinging liquid is deposited in the laboratory sample container.

(2) It is necessary that the sampler secure a truly representative sample from each lot of a shipment. Samples should be kept in air-tight containers, to prevent drying out or absorption of moisture, and should not be contaminated. Disposition of samples collected from each lot shall be as directed in Paragraph 12, above.

20. Sampling Method No. 7. When commodities in this category cannot properly or conveniently be melted and sampled as liquids (Sampling Method No. 5), sampling may be accomplished by boring. This method is applicable to soft-solid and semi-solid materials, such as asphalts, waxes, greases, and palm oil, in cases, boxes, bags, or tanks.

a. Apparatus. The ship auger for boring shall be 3/4 inch diameter and shall conform to the form and dimensions in Federal Standard Stock Catalog, and be of such a length as to pass entirely through the material to be sampled.

b. Gross Sample.

(1) Ten percent of the containers shall be opened as follows: Cases and barrels shall have the covers or heads removed; bags shall

have the mouths opened; cakes shall have the wrappings, if any, opened.

(2) If foreign substances, such as dirt, sticks, string, etc., appear upon the surface, they shall be removed. Foreign matter found in the interior shall be included.

(3) Three test holes shall be bored through the body of the material of each sample container as follows: one at the center, one at one-quarter of the diameter (or width of the package) from the right side, and one one-quarter of the diameter (or width of the package) from the left side. Each boring shall be kept separate and sent to the laboratory as a separate sample.

c. Laboratory Sample.

(1) The gross sample by this method constitutes the sample for laboratory analysis.

(2) If no visible differences appear in the borings, they may be combined, preserved, examined, and tested as a single sample. If subdivision of the borings is desired, they may be chilled, pulverized, if necessary, for handling, sized, and quartered until reduced to the amount desired, after receipt in the laboratory. Disposition of samples collected from each lot shall be as directed in Paragraph 12, above.

PART 4. TABLE OF NATIONAL STOCKPILE COMMODITIES AND SAMPLING METHODS

21. General. This part prescribes sampling methods explained in Part 3, above, which are generally applicable for the various commodities inspected by GSA, for the national stockpile. Different conditions will make it impossible to follow exactly the methods prescribed in these procedures; however, they will serve as guides to Inspectors and samplers in the many conditions to which they do apply and will provide the basis for developing variations whenever necessary.

22. Table of Commodities and Sampling Methods.

Method of Sampling		Commodity	Minimum Amount of Laboratory Sample	Acceptable Containers
2		Agar	8 oz.	B-A
4		Aluminum	4 oz.	A-C-D
4		Antimony	4 oz.	A-C-D
3		Bauxite	8 oz.	A-C-D
3		Beryl	16 oz.	A-C-D
4		Bismuth	10 oz.	A-C-D
4		Cadmium	10 oz.	A-C-D
5	/	Castor Oil	1 qt.	B
3		Celestite	8 oz.	A-C-D
3		Chromite	4 oz.	A-C-D
4		Cobalt	4 oz.	A-C-D
5		Coconut Oil	1 qt.	B
3		Columbite	4 oz.	A-C-D
4		Copper		
		Fire Refined Casting, ASTM-B72	2 lbs.	A-C-D
		Fire Refined, ASTM-B216	1 lb.	A-C-D
		Brasses	1 lb.	A-C-D
		Other Grades	4 oz.	A-C-D
3		Corundum	10 lbs.	A-C-D
2	*	Emetine	0.1 oz.	A
1		Fertilizer	8 oz.	A-C-D
3		Fluorspar	8 oz.	A-C-D
3		Graphite		
		Crucible Grade	2 lbs.	A-C-D
		Lubricant Grade	1 lb.	A-C-D
		Amorphous Lump	8 oz.	A-C-D

Method of Sampling		Commodity	Minimum Amount of Laboratory Sample	Acceptable Containers
2	*	Hyoscine	0.1 oz.	A
2		Iodine	4 oz.	A
3		Kyanite	5 lbs.	A-C-D
4		Lead		
		Corroding	16 oz.	A-C-D
		Others	4 oz.	A-C-D
4		Magnesium	16 oz.	A-C-D
3		Manganese Ore	4 oz.	A-C-D
5		Mercury	8 oz.	A-C-D
3		Molybdenum	4 oz.	A-C-D
1		Monazite	8 oz.	A-C-D
4		Nickel	4 oz.	A-C-D
5		Palm Oil	1 qt.	B
1		Pepper	8 oz.	A-B-C-D-E
5		Pyrethrum Extract	8 oz.	B
2		Quebracho	8 oz.	A-B-C-D-E
2		Quinidine	1/2 oz.	A
2		Quinine	1/2 oz.	A
1		Rutile	8 oz.	A-C-D
2		Shellac	8 oz.	A-B
5		Sperm Oil	1 qt.	B
3		Tantalite	4 oz.	A-C-D
4		Tin	8 oz.	A-C-D
3 or 4		Tungsten	4 oz.	A-C-D
3		Vanadium	6 oz.	A-C-D
4		Zinc		
		Special High Grade	32 oz.	A-C-D
		Other Grades	16 oz.	A-C-D
3		Zirconium Ores	4 oz.	A-C-D

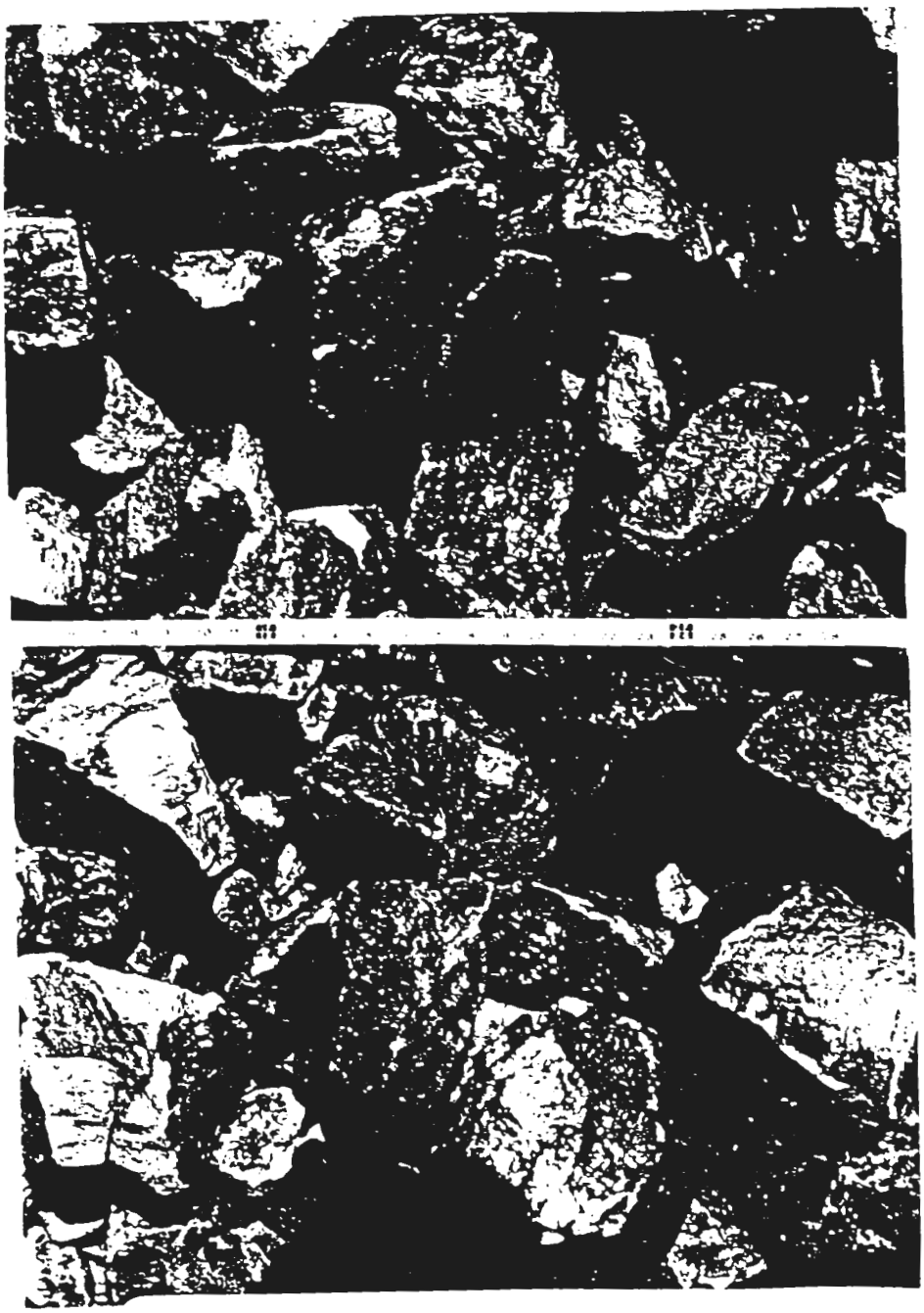
/ Federal Specification JJJ-9-318.

* No umpire sample required (very poisonous).

23. Explanation of Table.

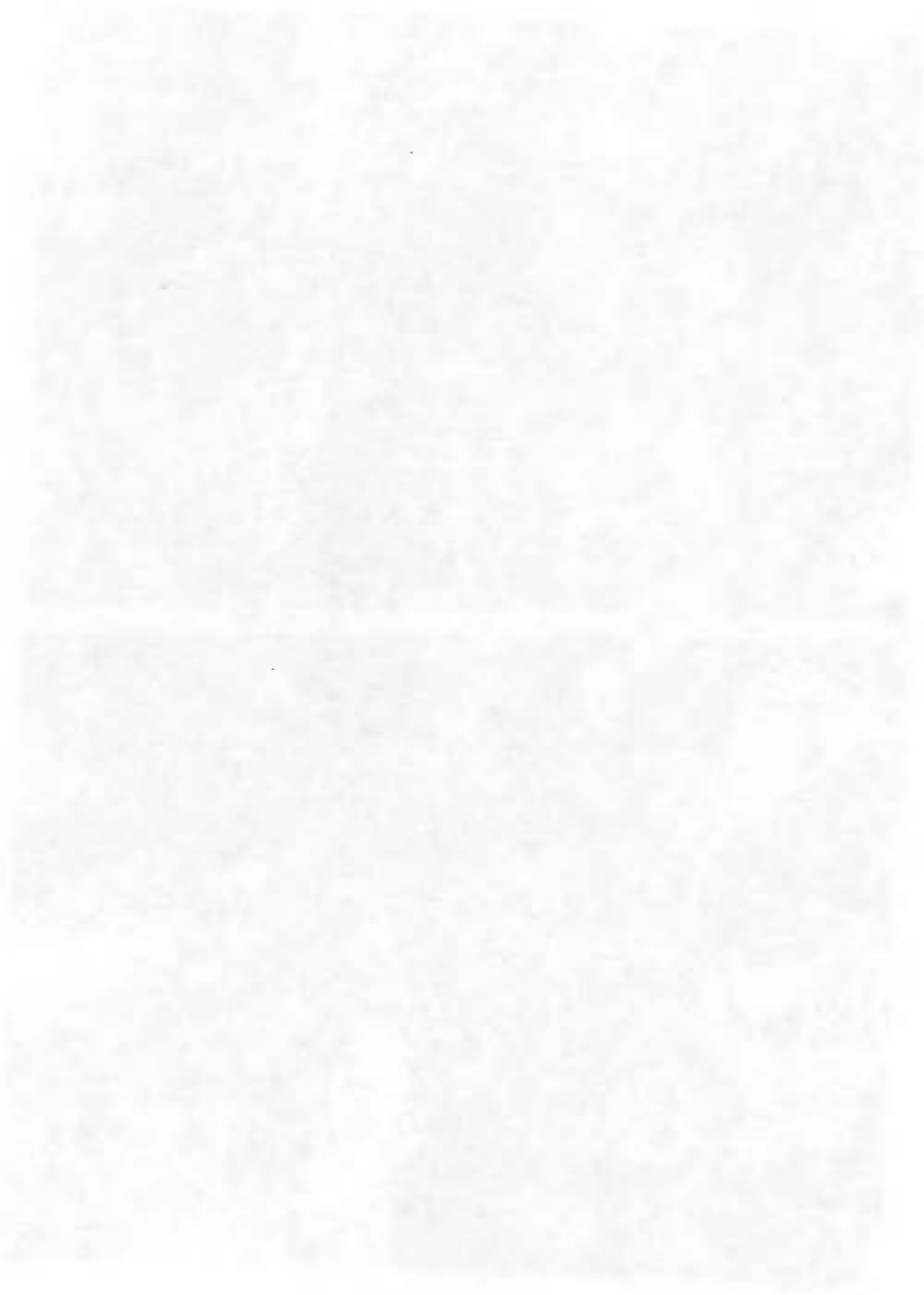
a. First Column. The first column refers to the suitable sampling procedure for each listed commodity, which is determined primarily by the physical character. The methods of sampling are described in

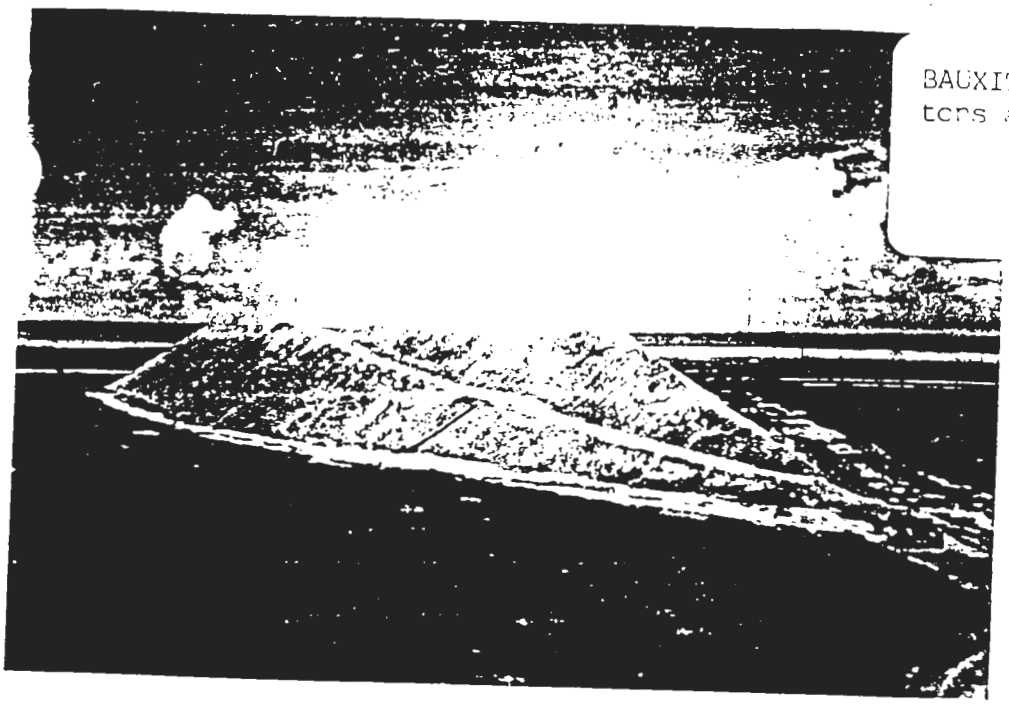
APPENDIX 8 - PHOTOGRAPHS



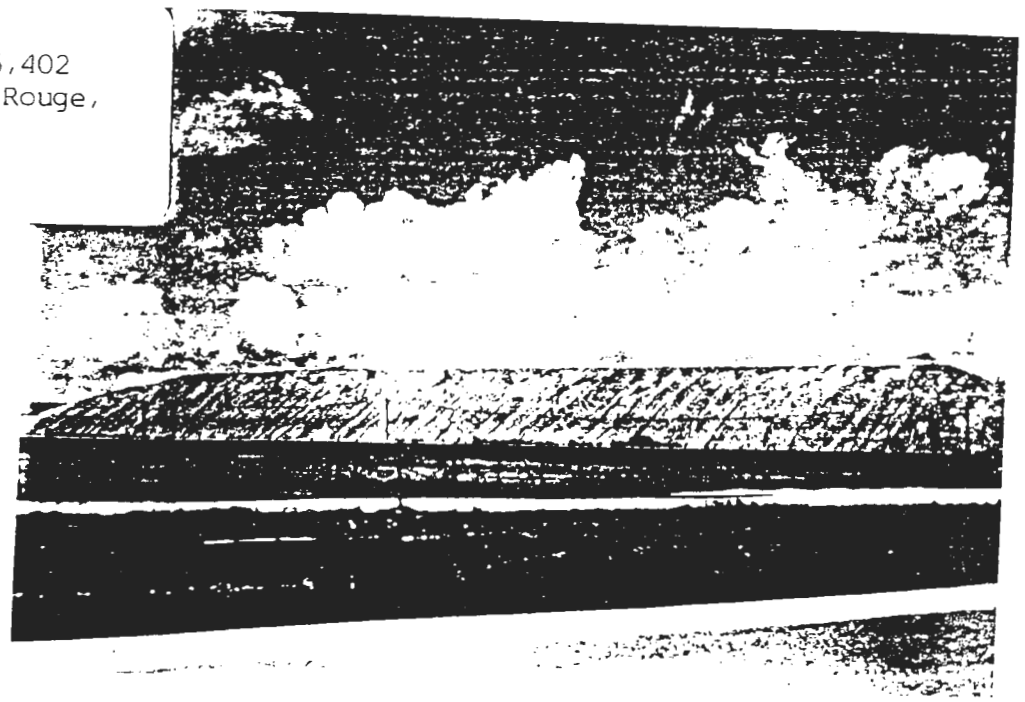
FERRO MANGA[illegible] stored

in the stockpile [illegible]rginia
Note: Average [illegible] alloy



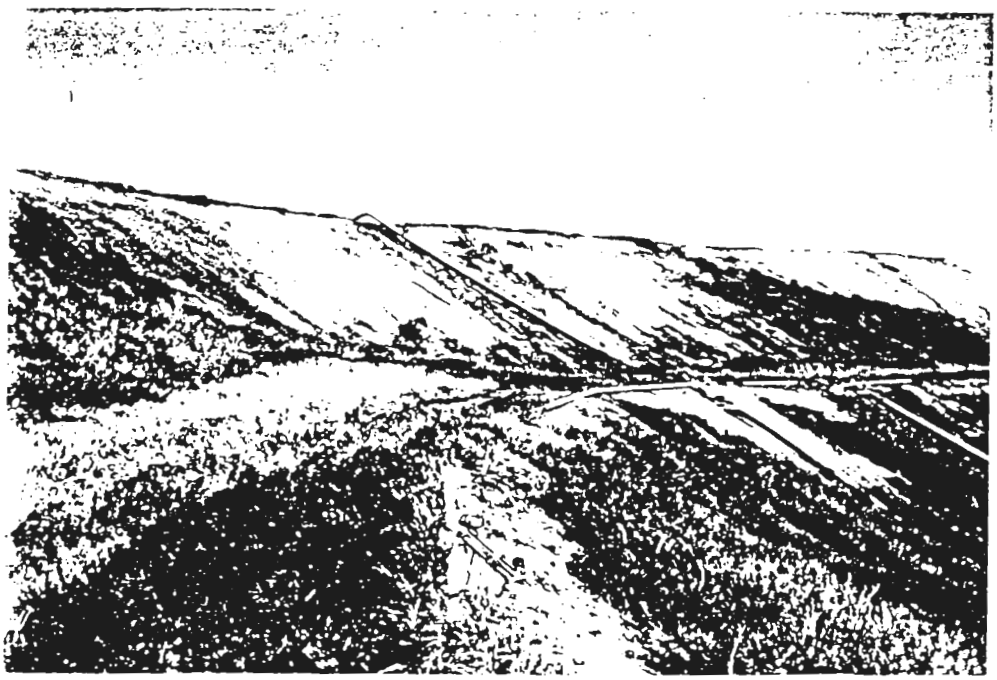


BAUXITE, METALLURGICAL - 300,721 sh
tons as stored in Port Comfort, Tex

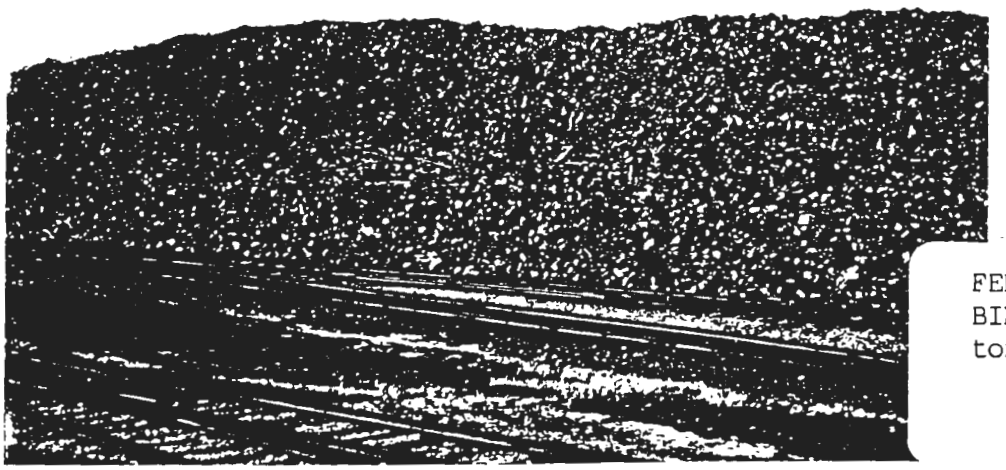


BAUXITE, METALLURGICAL - 1,586,402
short tons as stored in Baton Rouge,
Louisiana

ANOTHER ANGLE AT THIS
PLATEAU OF JAMAICAN BAUXITE IN
CORPUS CHRISTI, TEXAS OVER
8 MILLION TONS



BAUXITE METALLURGICAL from Jamaica
[illegible] very fine requiring
[illegible] and irrigation to secure
[illegible]



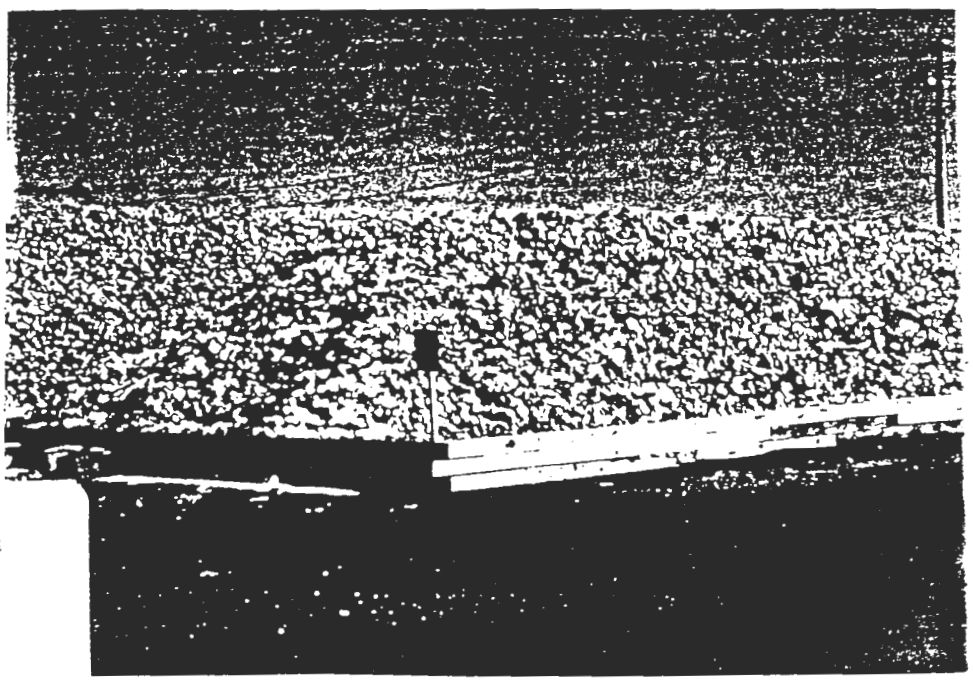
FERRO MANGANESE AS STORED IN BIRMINGHAM, ALABAMA - 14,162 short tons near railroad siding.

FERRO MANGANESE, BAUXITE, MANGANESE AND BERYL ORE STORED IN MARIETTA, PENNSYLVANIA

ERRO MANGANESE - stored in
st Virginia. Material is
ored on reinforced concrete
l. quantity over 300,000 short
ns

BERYL ORE - stored
directly on the
reduces material

FLUORSPAR (acid grade) - stor
in 8-10 trenches covered with
impermeable polyvinyl chloride
covers secured by wire cable
COLORADO



FERRO CHROMIUM - 33,693 short tons
as stored in Hammond, Indiana

Attachment 4

NYSDEC SPILL REPORT FORM

DEC REGION# 8 (Avon) SPILL NUMBER 9410950
SPILL NAME: CLARK (GEORGE) RESIDENCE DEC LEAD: JM
CALLER'S NAME: CHARLIE CARROL NOTIFIER'S NAME:
CALLER'S AGENCY: SENECA COUNTY HEALTH DEPT NOTIFIER'S AGENCY:
CALLER'S PHONE: (315) 539-5331 EXT. NOTIFIER'S PHONE: EXT.

SPILL DATE: 11/15/94 TIME: 16:39
CALL RECEIVED DATE: 11/15/94 TIME: 16:39 RECEIVED BY CID #:

Material Spilled	Mat. Class	Am't Spilled	Units	Am't Recovered
1) UNKNOWN PETROLEUM	(Pet)-Haz-Other-Unk.	0	Gal - (Lbs)	0
2)	Pet-Haz-Other-Unk.		Gal - Lbs	
3)	Pet-Haz-Other-Unk.		Gal - Lbs	
4)	Pet-Haz-Other-Unk.		Gal - Lbs	

SPILL LOCATION

PLACE: CLARK (GEORGE) RESIDENCE
STREET: 4910 SECOR ROAD
T/C/V: VARICK CO: SENECA
CONTACT:
PHONE: EXT.

POTENTIAL SPILLER

NAME: GEORGE CLARK
STREET: SAME
CITY:
STATE: ZIP:
CONTACT:
PHONE: (315) 585-6012 EXT.

SPILL CAUSE

Human Error	Tank Test Failure*	(Tank Failure)
Traffic Accident	Housekeeping	Tank Overfill
Equipment Failure	Deliberate	Other
Vandalism	Abandoned Drums	Unknown

SPILL SOURCE

Gas Station	(Private Dwelling)	Non-Maj Fac
Passenger Vehicle	Vessel	Comm/Indust
Comm. Vehicle	Railroad Car	Non-Comm/Instit
Tank Truck	Major Facility	Unknown

RESOURCE AFFECTED

On Land	(Groundwater)	Air
In Sewer	Surface Water **	

**WATERBODY:

SPILL REPORTED BY

Responsible Party	Tank Tester	Local Agency
Affected Persons	DEC	Federal Gov't
Police Department	Citizen	Other
Fire Department	(Health Dept.)	

CALLER REMARKS: ACCORDING TO CALLER, A 275 GAL HEATING OIL TANK ON THE CALLER/RESIDENT'S PROPERTY HAS LEAKED, CONTAMINATED THEIR WELL. ACCORDING TO RESIDENT, WELL HAS BEEN CONTAMINATED FOR QUITE AWHILE.

*PBS Number	Tank Number	Tank Size	Test Method	Leak Rate

PRIMARY CONTACT CALLED DATE: TIME: hrs. REACHED DATE: TIME: hrs
SECONDARY CONT. CALLED DATE: TIME: hrs. FAXED BY CID#:

PIN #	T & A	Cost Center	ISR to Central Office
Cleanup Ceased	Meets St'ds NO	Last Inspection	Penalty NO
RP-CUI	ENF-INIT	INVES-COM	CAP
UST Trust Eligible NO	Site: A (B) C D E	Resp. Party 1 2 (3) 4 5 6	Req Close Date

Created on 11/16/94 Last Updated on / / Is Updated? NO EDD DATA INPUT [ ]
Date Printed: 10/08/97

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
REGION 8
6274 EAST AVON-LIMA ROAD
AVON, NEW YORK 14414
716/226-2466
716/226-9485 (FAX)

Regional Direction Legal Division Administration

FAX TRANSMISSION

TO: Bob Mutaw

FROM: Vonnie Gerace

DATE: 10/9 NO. OF PAGES (includes cover page) 3

MESSAGE: I spoke with Joe Marchitell regarding this spill and he said he spoke with the property owner who told him the problem has been corrected. Joe said the file can be closed.

____ Original being mailed X Original not being mailed

Spill Number: 9410950 **Spill Name:** CLARK (GEORGE) RESIDENCE **Printed on:** 10/08/

DEC REMARKS

11/15/94: TANKS HASN'T BEEN USED FOR OVER 4 YRS. RESIDENT HASN'T BEEN DRINKING T WATER, BUT IS USING IT TO SHOWER IN. NEED TO FOLLOW-UP DURING THE DAY 12-6