



File: 549.700.000 C.H.

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DEFENSE LOGISTICS AGENCY

DEFENSE DISTRIBUTION CENTER 2001 MISSION DRIVE NEW CUMBERLAND, PA 17070-5000

IN REPLY REFER TO

DDC J-3/J-4E

March 29, 2004

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Mr. Clayton Bullington Tennessee Department of Environment and Conservation (TDEC) Division of Solid Waste Management (DSWM) 401 Church Street, 5th Floor, L & C Tower Nashville, Tennessee 37243-1535

RE:

Corrective Action Permit Application Defense Depot Memphis Tennessee (DDMT) Permit Number TNHW-053 EPA I.D. TN4 210 020 570

Dear Mr. Bullington:

In accordance with your letter dated October 6, 2003, the Defense Logistics Agency (DLA) submits the Part A [Enclosure 1] and Part B [Enclosure 2] RCRA permit renewal application solely for corrective action, along with other requested information, for the DDMT. Per your instruction, the permit application fee is not included along with this submittal since it has or will be waived by TDEC.

As you know, the original Part B RCRA permit issued by the TDEC on October 28, 1990 for a hazardous waste storage facility was terminated by TDEC (effective October 22, 1998) upon request of DDMT because the unit was not constructed or operated. Also, the Hazardous and Solid Waste Amendments of 1984 (HSWA) portion of the RCRA permit was issued by the U.S. Environmental Protection Agency (EPA) Region 4 on October 28, 1990, for purpose of corrective action for releases from solid waste management units (SWMUs).

It is DLA's and the Department of the Army's understanding, based upon discussions with TDEC and EPA Region 4, that the HSWA portion issued by EPA (which expired on September 28, 2001) remains in effect until TDEC issues DDMT a renewed permit for corrective action. As discussed at our August 14th meeting, both DLA and the Army contend that the corrective action permit is unnecessary considering: 1) the CERCLA cleanup being conducted pursuant to a Federal Facilities Agreement (FFA), effective March 6, 1995, between DLA, TDEC and EPA; 2) the fact that permittee does not operate a hazardous waste management unit; and 3) the EPA policy to integrate RCRA and CERCLA cleanup programs at sites such as DDMT.

Nevertheless, in the interest of resolving the outstanding Notice of Violation issued to the DDMT (by letter from Mike Apple, Director TDEC DSWM dated May 5, 2001) for failure to submit a timely permit renewal and in the interest of further documenting the integration of the RCRA corrective action requirements under the CERCLA process, a streamlined Part B permit

application is provided. The application reflects that TDEC and EPA agree any corrective action which otherwise might be required under the RCRA permit for releases from SWMUs and areas of concern (AOCs) has been and shall continue to be deferred to the CERCLA response action process conducted pursuant to the FFA between DLA, TDEC and EPA. The DLA is submitting Part B information that is appropriate considering the limited scope of the corrective action permit, and which should satisfy the requirements of TDEC Rule 1200-1-11-.07(5).

As requested, a list of all the SWMUs and AOCs identified to date at the facility, along with the current status of the unit/area under the CERCLA response action process, is included with the permit application [Enclosure 3]. In addition, an assessment report for each SWMU and AOC is provided that includes any relevant information as required under TDEC Rule 1200-1-11-.07(5)(e) [Enclosure 4]. All of the SWMUs and AOCs are shown on the enclosed drawings for Dunn Field (CERCLA Operable Unit 1) [Enclosure 5] and the Main Installation (CERCLA Operable Units 2, 3 and 4)[Enclosure 6].

If there are any questions regarding this submittal, please contact Thomas Holmes of MACTEC Engineering and Consulting, DLA's remedial action contractor, at 770-421-3373 or tcholmes@mactec.com.

Sincerely,

MICHAEL A. DOBBS

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Environmental Program Manager

Enclosures

cc: David M. Buxbaum, Regional Attorney, US Army SREO, w/o enclosures Tom Lederle, Hampton BRAC Office, US Army, w/enclosures Narinda M. Kumar, Chief RCRA Programs, US EPA Region 4, w/o enclosures Otis Johnson, RCRA Programs, US EPA Region 4, w/o enclosures Turpin Ballard, Federal Facilities, US EPA Region 4, w/o enclosures Jamie Burroughs, Manager, TSD Section, TDEC-DSWM, w/o enclosures William Krispin, Manager, Permitting Section, TDEC-DSWM, w/o enclosures James Morrison, TDEC-DSF, w/o enclosures Jesse Perez, AFCEE, w/ enclosures

Corrective Action Permit Application

DEFENSE DEPOT – Memphis, Tennessee Permit No. TNHW-053 EPA I.D. TN4 210020570



Defense Distribution Center (Memphis)





Air Force Center for Environmental Excellence

ENCLOSURES

FOR

CORRECTIVE ACTION PERMIT APPLICATION

DEFENSE DEPOT MEMPHIS TENNESSEE PERMIT NO. TNHW-053 EPA I.D. TN4 210 020 570

- 1) Part A Permit Application (EPA Form 8700-23)
- 2) Part B Permit Application
- 3) List of SWMUs and AOCs for the Defense Depot Memphis, Tennessee
- 4) SWMU/AOC Assessment Reports
- 5) Dunn Field (CERCLA Operable Unit 1) Investigation Site Location Map
- 6) Main Installation (CERCLA Operable Units 2, 3 and4) Investigation Site Location Map

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OMB#: 2050-0175 Expires 12/31/2003

MAIL THE <u>COMPLETED FORM</u> <u>TO:</u> The Appropriate EPA Regional or State Office.	United States Enviror RCRA SUBTITLE C SIT	mental Protection Agence E IDENTIFICATION		
1. Reason for Submittal (See instructions on page 25) CHECK CORRECT BOX(ES)	Reason for Submittal: To provide initial notification (to obtain and the provide subsequent notification (to up) To provide subsequent notification (to up) As a component of a First RCRA Hazard X As a component of a Revised RCRA Hazard As a component of a Revised RCRA Hazard As a component of the Hazardous Wast	a EPA ID Number for haza Idate site Identification info Ious Waste Part A Permit / ardous Waste Part A Perm a Report.	rdous waste, universal waste, or used oil a rmation). Application. nit Application (Amendment # 1).	activities).
2. Site EPA ID Number (See instructions on page 26)	EPA ID Number: . TN4 210	020 570		
3. Site Name (See Instructions on page 26)	Name: Defense	Depot Memphis Tennesse	ê	
4. Site Location	Street Address: 2163 Ai	rways Boulevard	· · · · · · · · · · · · · · · · · · ·	
Instructions on page 26)	City, Town, or Village: Memph	is	State:	TN
	County Name: Shelby		Zip Code:	38114
5. Site Land Type (See instructions on page 26)	Site Land Type: C Private County	🗘 District 🐰 Federal 🛛	Indian I Municipal I State I (Other
6. North American Industry Classification System (NAICS) Code(s) for the	A. 928110	В.	· · · · · · · · · · · · · · · · · · ·	
Site (See Instructions on page 26)	С.	D.		
7. Site Mailing Address (See instructions on page	Street or P. O. Box:	samo	9	
27)	City, Town, or Village:			
	State:			
	Country:		Zip Code:	
8. Site Contact Person (See	First Name: Mith	ael MI: A.	Last Name:	Dobbs
	Phone Number: 717-	770-6950	Phone Number Extension:	N/A
9. Legal Owner and Operator of the Site (See	A. Name of Site's Legal Owner: Unit Dep	ed States of America artment of Army	Date Became Owner (mm/dd/yyyy):	01/26/1942
instructions on pages 27 and 28)	Owner Type: D Private D County D	District X Federal 🔾	Indian 🖸 Municipal 🗋 State 🗖 Ot	her
	B. Name of Site's Operator: Defe	ense Logistics Agency	Date Became Operator (mm/dd/yyyy)	01/01/1988
	Operator Type: Private County	District X Federal D	indian 🛛 Municipal 🖨 State 🗆 Othe	er

EPA Form 8700-23 (Revised 5/2002)

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			OMB#: 2050-0175 Expires 12/31/2003
			EPA ID No. T N 4 2 1 0 0 2 0 5 7 0
10. Type of Regulated Waste Activ	vity (Mark 'X' in the	appropriate boxes. See In	structions on pages 28 to 32)
A. Hazardous Waste Activities			······································
1. Generator of Hazardous Wa (choose only one of the foliow	aste wing three categories)	For items 2 through 6, check all that apply:
a. LQG: Greater than 1,0 hazardous waste; or)00 kg/mo (2,200 lbs.	/mo.) of non-acute	 2. Transporter of Hazardous Waste 3. Treater, Storer, or Disposer of Hazardous Waste (at your site) Note: A hazardous waste permit is required for this
hazardous waste; or	g/mo (220 - 2,2001bs.	/mo.) of non-acute	activity.
C c. CESQG: Less then 10 waste	00 kg/mo (220 lbs./mo	o.) of non-acute hazardous	A. Recycler of hazardous waste (at your site) Note: A hazardous waste permit may be required for this activity.
In addition, indicate other (generator activities	(check all that apply)	5. Exempt Boller and/or Industrial Furnace
C d. United States Importer	of Hazardous Waste		a. Small Quantity On-site Burner Exemption
🛈 e. Mixed Waste (hazardo	us and radinactive) G	enerator	b. Smelting, Melting, and Refining Furnace Exemption
			6. Underground Injection Control
B. Universal Waste Activities			C. Used Oil Activitles
 Large Quantity Handler of Uni [refer to your State regulation types of universal waste gene (check all boxes that apply): 	iversal Waste (accui s to determine what prated and/or accum Generated	mulate 5,000 kg or more) is regulated]. Indicate ulated at your site.	 Used Oil Transporter - Indicate Type(s) of Activity(ies) a. Transporter b. Transfer Facility Used Oil Processor and/or Re-refiner - Indicate Type(s) Indicate Type(s)
a Dattaire			of Activity(ies)
a. Batteries	U D	u D	L a. Processor
c Thermostats			3. Off-Specification Used Oil Burner
d. Lamos		u D	
e. Other (specify)	۔		4. Used Oil Fuel Marketer - Indicate Type(s) of Activity(ies)
f. Other (specify)		_ _	a. Marketer Who Directs Shipment of Off-Specification
g. Other (specify)	Q	<u> </u>	Used ON to Off-Specification Used Oil Burner
2. Destination Facility for Univer Note: A hazardous waste permi	rsal Waste it may be required for	this activity	D b. Marketer Who First Claims the Used Oil Meets the Specifications
11. Description of Hazardous Wa	istas (See instructio	ne on page 33)	
A Wasta Codes for Faderally Pool	listed Maxardaur We	stas. Piesse list the weste	
the order they are presented in the	e regulations (e.g., DC	01, D003, F007, U112). Us	e an additional page if more spaces are needed.
N/A			
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OMB#: 2050-0175 Expires 12/31/2003

			EPA ID No.	T N 4 2 1 0	0 2 0 5 7 0
B. Waste Codes for State-Regulated (i.e., n at your site. List them in the order they are pro-	on-Federal) Hazardous esented in the regulation	Wastes. Please list the s. Use an additional pag	waste codes of the Stat e If more spaces are nee	e-regulated hazardo ded for waste codes	us wastes handled
N/A					
	-				
					1 1
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12. Comments (See instructions on page 3	3)				ĺ
Permit renewal application submitted for	r corrective action purpos	es. All corrective action i	s being addressed by the	CFRCLA process thro	uch the
requirements of the Federal Facilities Ag	reement, effective March	6, 1995.			<u> </u>
Part R permit (TNHW-053) issued to Def	ense Denot Memnhis Ter	messee for operating a h	azardous storage unit ex	nired on September	18, 2001.
	chie Beper mempins rei	incisse for operating a n			
The storage unit was not used and the op	perational portion of the	<u>permit was terminated O</u>	<u>ctober 22, 1998.</u>		
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			, <u> </u>		
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12 Continentian Lootlin under popular of la	without this document and	d all attachments were pr	approd under my directie		ecordance with a
system designed to assure that qualified perso	onnel properly gather and	i evaluate the information	submitted. Based on m	y inquiry of the perso	on or persons who
manage the system, or those persons directly true, accurate, and complete. I am aware that	responsible for gathering there are significant pen	g the information, the info alties for submitting false	innation submitted is, to information, including th	the best of my knowl e possibility of fine a	edge and belief, nd imprisonment for
knowing violations. (See Instructions on page	ge 33)	-	· · ·		
Signature of owner, operator, or an authorized representative		Name and Official Ti	tle (type or print)		Date Signed (mm/dd/yyyy)
MARD////	Michael A. Dobb	s, Environmental Program	n Manager		3/24/2024
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PART B PERMIT RENEWAL APPLICATION

Permittee: U.S. Defense Logistics Agency Facility: Defense Depot Memphis Tennessee Identification Number: TN4 210 020 570 Owner: U.S. Department of the Army Operator: Defense Logistics Agency Permit Number: TNHW-053

III. SPECIFIC CONDITIONS FOR CORRECTIVE ACTION

A. <u>APPLICABILITY</u>

- 1. For the purpose of RCRA corrective action required under Rule 1200-1-.06(6)(1), the Solid Waste Management Units (SWMUs) and Areas of Concern (AOCs) identified in the Table 1. of Appendix A, of this permit have been or shall be addressed through the requirements of the Federal Facility Agreement (FFA) for the Defense Distribution Depot Memphis, Tennessee (*hereinafter* Defense Depot Memphis). The U.S. Environmental Protection Agency (EPA), the State of Tennessee through the Department of Environment and Conservation (TDEC) and the U.S. Defense Logistics Agency (DLA) [*hereinafter* the FFA Parties or Parties] entered into the FFA (effective March 6, 1995) to satisfy the requirements of Section 120(e)(2) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and Section 3004(u) and (v) of RCRA, as amended by the Hazardous and Solid Waste Amendments of 1984 (HSWA).
- 2. In accordance with the FFA Section IX. RCRA/CERCLA INTEGRATION any corrective action obligation under RCRA for the SWMUs and AOCs (as well as any onsite and offsite releases related to these units/areas) identified in Table 1.of Appendix A has been deferred to the CERCLA response action process. The DLA, EPA and TDEC have decided on the CERCLA response actions (e.g., remedial and removal actions) and signed Decision Documents (i.e., Records of Decision) that address the SWMUs and AOCs listed in Appendix A Table 1., which includes No Further Action determinations. The FFA Parties agree that these selected CERCLA response actions conducted pursuant to the FFA are protective of human health and the environment such that corrective action to address such releases (including any off-site releases) shall not be required under this permit. Furthermore, the Parties agree that compliance with the FFA will achieve compliance with CERCLA and also satisfy the corrective action requirements of Section 3004(u) and (v) of RCRA and the Permit.
- 3. In the unlikely event that any additional SWMU(s) or AOC(s) are discovered (during the course of groundwater monitoring, field investigations, environmental audits, or other means), the Parties intend to address any such newly discovered SWMU and/or AOC through an existing CERCLA response action. As used in this permit section, the terms "discover", "discovery", or "discovered" refer to the date on which the permittee either: (1) visually observes evidence of a new SWMU or AOC; (2) visually observes evidence of a previously unidentified release of

hazardous constituents to the environment; or (3) receives information which suggests the presence of a new release of hazardous waste or hazardous constituents to the environment. The remaining Conditions of this permit apply only to those SWMUs or AOCs that, by agreement of the Parties, are not deferred to the CERCLA response action process under the FFA.

B. <u>NOTIFICATION AND ASSESSMENT REQUIREMENTS FOR NEWLY</u> <u>IDENTIFIED SWMUs AND AOCs</u>

- 1. The permittee shall notify the Commissioner in writing, within thirty (30) calendar days of discovery, of any suspected new AOC as discovered under paragraph III.A.3.
- 2. The permittee shall prepare and submit within thirty (30) calendar days of discovery, an Assessment Report, for each AOC identified along with the notification under paragraph III. B.1. At a minimum, the AOC Assessment Report shall provide the location of the AOC and all available information pertaining to the nature of the release (e.g., media affected, hazardous constituents released, magnitude of release, etc.).
- 3. The Commissioner will notify the permittee in writing of the final determination of the suspected AOC and provide a recommendation, based upon the information provided under paragraph III. B.2, as to whether further investigation is needed. If the Commissioner determines that further investigation is required, the permittee will either: 1) prepare a plan for such investigation as outlined in the permit; or 2) upon agreement by DLA, TDEC, and EPA, defer further investigation of the AOC to the CERCLA response action process under the FFA.
- 4. The permittee shall notify the Commissioner in writing, within thirty (30) calendar days of discovery, of any additional SWMU as discovered under paragraph III.A.3.
- 5. The permittee shall prepare and submit to the Commissioner, within thirty (30) calendar days of discovery, a SWMU Assessment Report (SAR) for each SWMU identified along with the notification under paragraph III.B.4. At a minimum, the SAR shall provide the following information:
 - (a) Location of unit(s) on a topographic map of appropriate scale such as required under Rule 1200-1-11-.07(5)(a)(xix) or on a photograph;
 - (b) Designation of type and function of unit(s);
 - (c) General dimensions, capacities and structural description of unit(s). [Supply any available plans/drawings];
 - (d) Dates that the unit(s) was operated;

- (e) Specification of all wastes that have been managed at/in the unit(s) to the extent available. Include any available data on hazardous constituents in the wastes; and
- (f) All available information pertaining to any release of hazardous waste or hazardous constituents from such unit(s). Include groundwater data, soil analyses, air, and/or surface water data.
- 6. The Commissioner will notify the permittee in writing of the final determination of the SWMU and provide a recommendation, based upon the information provided under paragraph III. B.5, as to whether further investigation is needed. If the Commissioner determines that further investigation is required, the permittee will either: 1) prepare a plan for such investigation as outlined in the permit; or 2) upon agreement by DLA, TDEC, and EPA, defer further investigation of the SWMU(s) to the CERCLA response action process under the FFA.

C. <u>NOTIFICATION REQUIREMENTS FOR NEWLY DISCOVERED RELEASES</u> <u>FROM SWMUs or AOCs</u>

- 1. In the unlikely event that any newly discovered release(s) from a SWMU(s) or AOC(s) is discovered (during the course of groundwater monitoring, field investigations, environmental audits, or other means), the Parties intend to address any such newly discovered release(s) through an existing CERCLA response action. Such newly discovered release(s) may be from a previously identified SWMU(s) or AOC(s).
- 2. The permittee shall notify the Commissioner in writing of any newly discovered release(s) of hazardous waste or hazardous constituents discovered during the course of groundwater monitoring, field investigations, environmental audits, or other means, within thirty (30) calendar days of discovery. This notification shall include updating of any release information described in the SAR or AOC Assessment Report for the previously identified SWMU, or respective AOC.
- 3. If the Commissioner determines that further investigation of the SWMU or AOC is needed, the permittee will either: 1) prepare a plan for such investigation as outlined in the permit; or 2) upon agreement by DLA, TDEC, and EPA, defer further investigation of the SWMU or AOC to the CERCLA response action process under the FFA.

:

			Citation and a second se
SMWU/AOC Number	CERCLA OU Number	SWM U/AOC Name	Diatus
	-	Mustard and Lewisite Training Sets (9 sets) Burial Site (1955)	A CERCLA Removal Action took place for this area in 2000- 2001. No further remedial action is required for this site; however, it is located in the Dunn Field disposal area where the selected CERCLA remedy includes land use controls.
2	1	Ammonia Hydroxide (7 pounds) and Acetic Acid (1 gallon) Burial (1955)	No further action is required for this site; however, it is located in the Dunn Field disposal area where the selected CERCLA remedy includes land use controls.
3	1	Mixed Chemical Burial Site (orthotoluidine dihydrochloride) (1955)	No further action is required for this site; however, it is located in the Dunn Field disposal area where the selected CERCLA remedy includes land use controls.
4	1	POL Burial Site (thirteen 55-gallon drums of oil, grease, and paint)	Remedial action, including excavation of contaminated soils/waste materials and off-site disposal, is planned for this site. This unit is located in the Dunn Field disposal area where the selected CERCLA remedy includes land use controls.
5	1	Methyl Bromide Burial Site A (3 cubic feet) (1955)	No further action is required for this site; however, it is located in the Dunn Field disposal area where the selected CERCLA remedy includes land use controls.
6	_	40,037 units ointment (eye) Burial Site (1955)	No further action is required for this site; however, it is located in the Dunn Field disposal area where the selected CERCLA remedy includes land use controls.
2	-	Nitric Acid Burial Site (1,700 quart bottles) (1954)	No further action is required for this site; however, it is located in the Dunn Field disposal area where the selected CERCLA remedy includes land use controls.
8	-	Methyl Bromide Burial Site B (3,768 1-gallon cans) (1954)	No further action is required for this site; however, it is located in the Dunn Field disposal area where the selected CERCLA remedy includes land use controls.
6	-	Ashes and Metal Burial Site (burning pit refuse) (1955)	No further action is required for this site; however, it is located in the Dunn Field disposal area where the selected CERCLA remedy includes land use controls
10		Solid Waste Burial Site (near MW-10) (metal, glass, trash, etc.)	Remedial action, including excavation of contaminated soils/waste materials and off-site disposal, is planned for this site. This unit is located in the Dunn Field disposal area where the selected CERCLA remedy includes land use controls.

11		Trichloroacetic Acid Burial (1,433 1-ounce bottles) (1965)	No further action is required for this site; however, it is located in the Dunn Field disposal area where the selected CERCLA remedy includes land use controls.
12	_	Sulfuric and Hydrochloric Acid Burial (1967)	No further action is required for this site; however, it is located in the Dunn Field disposal area where the selected CERCLA remedy includes land use controls.
13	_	Mixed Chemical Burial (Acid, 900 pounds; unnamed solids, 8,100 pounds)	No further action is required for this site; however, it is located in the Dunn Field disposal area where the selected CERCLA remedy includes land use controls.
14	-	Municipal Waste Burial Site B (near MW-12) (food, paper products)	No further action is required for this site; however, it is located in the Dunn Field disposal area where the selected CERCLA remedy includes land use controls.
15	1	Sodium Burial Sites (1968)	Remedial action, including excavation of contaminated soils/waste materials and off-site disposal, is planned for this site. This unit is located in the Dunn Field disposal area where the selected CERCLA remedy includes land use controls.
16	_	Unknown Acid Burial Site (1969)	No further action is required for this site; however, it is located in the Dunn Field disposal area where the selected CERCLA remedy includes land use controls.
17		Mixed Chemical Burial Site C (1969)	No further action is required for this site; however, it is located in the Dunn Field disposal area where the selected CERCLA remedy includes land use controls.
18		Plane Crash Residue (Dunn Field)	No further action is required for this site; however, it is located in the Dunn Field disposal area where the selected CERCLA remedy includes land use controls.
19	1	Former Tear Gas Canister Burn Site (Dunn Field)	No further action is required for this site.
20	-	Probable Asphalt Burial Site (Dunn Field)	No further action is required for this site; however, it is located in the Dunn Field area where the selected CERCLA remedy includes land use controls.
21	-	XXCC-3 Burial Site (Dunn Field)	No further action is required for this site.
22		Hardware Burial Site (nuts and bolts) (Dunn Field)	No further action is required for this site; however, it is located in the Dunn Field disposal area where the selected CERCLA remedy includes land use controls.

No further action is required for this site; however, it is located in the Dunn Field disposal area where the selected CERCLA remedy includes land use controls.	Beginning in August 2000 all 29 bomb casings were recovered from the burial site and 900 cubic yards of soil contaminated with mustard degradation by-products were excavated and disposed offsite. Beginning in November 2000, 33 cubic yards of soil contaminated with mustard and degradation by-products were excavated from the neutralization pit and disposed offsite. In March 2001, the CERCLA Removal Action was complete. No further action is required for this site; however it is located in a section of the Dunn Field stockpile area where the selected CERCLA remedy includes land use controls.	This unit is located in Functional Unit 2 on the Main Installation for which the selected CERCLA remedy includes land use controls.	This unit is located in Functional Unit 2 on the Main Installation for which the selected CERCLA remedy includes land use controls.	Contaminated soil was removed in 1985 as part of pre- Remedial Investigation activities. No further action is required for this site; however, it is located in Functional Unit 2 on the Main Installation for which the selected CERCLA remedy includes land use controls.	No further action is required for this site; however, it is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.	The tank was located and removed during a CERCLA Removal Action in 2000; the contaminated soils were disposed as special waste and the tank contents were disposed as RCRA hazardous waste. This unit is located in Functional Unit 3 on the Main Installation for which the selected CERCLA remedy includes land use controls. This unit overlies the groundwater treatment area of Functional Unit 7, Groundwater at the Main Installation, where enhanced bioremediation was selected as the CERCLA remedy.
Construction Debris and Food Burial Site (Dunn Field)	Former Burial/Burn Site & Neutralization Pit	Golf Course Pond	Lake Danielson	Former Recoupment Area (Building 873)	Recoupment Area (Building 865)	Former Underground Waste Oil Storage Tank
	1	£	3	2	4	2
23	24	25	26	27	28	29

08	1 2	Paint Snrav Booths (Buildings 260, 770 and 1086)	No further action is required for this unit: however, it is located in
) Î		Functional Units 3 and 6 on the Main Installation for which the selected CERCLA remedy includes land use controls.
31	7	Former Paint Spray Booth (Building 1087)	Building 1087 was decontaminated by vacuuming to remove free dust and pressure washing. The surface soil outside the building was excavated to a depth of one foot and replaced with clean
			backfill. The excavated soil was disposed off-site as special waste. This CERCLA Removal Action was completed in 2000. No
		•	further action is required for this site; however, it is located in
			Functional Unit 3 on the Main Installation for which the selected CERCLA remedy includes land use controls. This unit overlies
			the groundwater treatment area of Functional Unit 7, Groundwater
			at the Main Installation, where enhanced bioremediation was selected as the CERCLA remedy.
32	2	Sandblasting Waste Accumulation Area	Building 1088 was decontaminated by vacuuming to remove free
			was excavated to a depth of one foot and replaced with clean
			backfill. The excavated soil was disposed off-site as special waste.
			This CERCLA Removal Action was completed in 2000. No
			further action is required for this site; however, it is located in
			Functional Unit 3 on the Main Installation for which the selected
			CERCLA remedy includes land use controls. This unit overlies
			the groundwater treatment area of Functional Unit 7, Groundwater
			at the Main Installation, where enhanced proteinculation was selected as the CFRCLA remedy.
22	۰ د	Sandhlastino Waste Drum Storage Area (shed south of	The surface soil in this area was excavated to a depth of one foot
ŋ	1	Building 1088)	and replaced with clean backfill. The excavated soil was disposed
			off-site as special waste. This CERCLA Removal Action was
			completed in 2000. No further action is required for this site;
			nowever, it is notated in functional only the Main Instantation for which the coloried CEDCL A remedy included land nea
			ior which die selected CENCLA terreug includes fahr use controls This mait overlies the aroundwater treatment area of
			Functional Unit 7, Groundwater at the Main Installation, where
			enhanced bioremediation was selected as the CERCLA remedy.
34	2	Building 770 Underground Oil Storage Tanks	The underground storage tanks were removed in 1989. This unit is located in Functional Unit 3 on the Main Installation for which the
			selected CERCLA remedy includes land use controls.

35	4	DRMO Building S308 - Hazardous Waste Storage	No further action is required for this unit; however, it is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.
36	4	DRMO Hazardous Waste Concrete Storage Pad	This unit is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.
37	4	DRMO Hazardous Waste Gravel Storage Pad	This unit is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.
38	4	DRMO Damaged/Empty Hazardous Materials Drum Storage Area	This unit is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.
39	4	DRMO Damaged/Empty Lubricant Container Area	This unit is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.
40	2, 3	Safety Kleen Units - 9 total units (Buildings 253, 469, 490, 689 and 770)	No further action is required for these units; however, they were located in Functional Units 3, 5 and 6 on the Main Installation for which the selected CERCLA remedy includes land use controls.
41	2-4	Satellite Drum Accumulation Areas - 5 total	The units were located in Functional Units 1, 3, 5 and 6 on the Main Installation for which the selected CERCLA remedy includes land use controls.
42	4	Former PCP (pentachlorophenol) Dip Vat Area	In 1986, the dip vat was removed and the soil was excavated to a depth of 10 feet. Soil with PCP concentrations greater than 200 ppb remained beneath the excavated area. The excavation was backfilled with clean soil and with gravel or concrete placed on top of the clean fill. No further remedial action is required for this unit. This unit is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.
43	4	Former Underground PCP (pentachlorophenol) Tank Area	The tank was brought above ground in 1986 and drained into drums. The soil around the unit was excavated to a depth of 10 to 15 feet, 20 feet wide and 22 feet long. The pumps and lines were also removed. The excavation was backfilled with clean soil and with gravel or concrete placed on top of the clean fill. No further remedial action is required for this unit. This unit is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.

44	4	Former Wastewater Treatment Unit Area	No further action is required for this site; however, it is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.
45	4	Former Contaminated Soil Staging Area	No further action is required for this site; however, it is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.
46	4	Former PCP (pentachlorophenol) Pallet Drying Area	This unit is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.
47	2	Former Contaminated Soil Drum Storage Area	No further action is required for this unit; however, it is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.
48	m	Former PCB Transformer Storage Area	Site remediation by removal of surface soil was completed in 1998. This unit is located in Functional Unit 6 on the Main Installation for which the selected CERCLA remedy includes land use controls. This unit overlies the groundwater treatment area of Functional Unit 7, Groundwater at the Main Installation, where enhanced bioremediation was selected as the CERCLA remedy.
49	3	Medical Waste Storage Area	No further action is required for this unit; however, it is located in Functional Unit 5 on the Main Installation for which the selected CERCLA remedy includes land use controls.
50	_	Dunn Field Northeastern Quadrant Drainage Ditch (AOC A)	No further action is required for this site; however, it is located in a section of Dunn Field area where the selected CERCLA remedy includes land use controls.
51	e.	Lake Danielson Outlet Ditch (AOC B)	No further action is required for this area; however, it is located in Functional Unit 2 on the Main Installation for which the selected CERCLA remedy includes land use controls.
52	3	Golf Course Pond Outlet Ditch (AOC C)	No further action is required for this area; however, it is located in Functional Unit 2 on the Main Installation for which the selected CERCLA remedy includes land use controls.
53	4	X-25 Flammable Solvents Storage Area (near Building 925) (AOC D)	No further action is required for this area; however, it is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.

54	4	Main Installation - DRMO East Stormwater Runoff Canal (AOC E)	No further action is required for this area; however, it is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.
55	4	Main Installation - DRMO North Stormwater Runoff Canal (AOC F)	No further action is required for this area; however, it is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.
56	4	Main Installation - West Stormwater Drainage Canal (AOC G)	No further action is required for this area; however, it is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.
57	4	Building 629 Spill Area (AOC H)	This area is located in Functional Unit 1 on the Main Installation for which the selected CERCLA remedy includes land use controls.
58	ñ	Pesticides, Herbicides (Pad 267)	This area is located in Functional Unit 6 on the Main Installation for which the selected CERCLA remedy includes land use controls. This area overlies a groundwater treatment area of Functional Unit 7, Groundwater at the Main Installation, where enhanced bioremediation was selected as the CERCLA remedy.
59	ň	Pesticides, Cleaners (Building 273)	This unit is located in Functional Unit 2 on the Main Installation for which the selected CERCLA remedy includes land use controls. This site overlies the groundwater treatment area of Functional Unit 7, Groundwater at the Main Installation, where enhanced bioremediation was selected as the CERCLA remedy.
60	1	Pistol Range Impact Area/Bullet Stop	A CERCLA Removal Action for lead in surface soil was conducted in 2003. No further action is required at this site.
61	-	Buried Drain Pipe (Northwestern Quadrant of Dunn Field)	No further action is required for the site; however, it is located in the Dunn Field disposal area where the selected CERCLA remedy includes land use controls.
62	1	Bauxite Storage (Northeastern Quadrant of Dunn Field)	No further action is required at this site.
63	-	Fluorspar Storage (Southeastern Quadrant of Dunn Field)	No further action is required at this site.
64		Bauxite Storage (Southwestern Quadrant of Dunn Field) (1942 to 1972)	No further action is required for the site; however, it is located in an area of Dunn Field where the selected CERCLA remedy includes land use controls.

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No further action is required for this unit; however, it is located in Functional Unit 1 on the Main Installation for which the selected CERCLA remedy includes land use controls.	This unit is located in Functional Unit 6 on the Main Installation for which the selected CERCLA remedy includes land use controls. The unit overlies the groundwater treatment area of Functional Unit 7, Groundwater at the Main Installation, where enhanced bioremediation was selected as the CERCLA remedy.	This area is located in Functional Unit 6 on the Main Installation for which the selected CERCLA remedy includes land use controls. This area overlies the groundwater treatment area of Functional Unit 7, Groundwater at the Main Installation, where enhanced bioremediation was selected as the CERCLA remedy.	This area is located in Functional Unit 6 on the Main Installation for which the selected CERCLA remedy includes land use controls. This area overlies the groundwater treatment area of Functional Unit 7, Groundwater at the Main Installation, where enhanced bioremediation was selected as the CERCLA remedy.	This area is located in Functional Unit 2 on the Main Installation for which the selected CERCLA remedy includes land use controls.	This area is located throughout the Main Installation for which the selected CERCLA remedy includes land use controls.	This area is located throughout the Main Installation for which the selected CERCLA remedy includes land use controls.	This area is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.	This area is located throughout the Main Installation for which the selected CERCLA remedy includes land use controls.	No further action is required for this area; however, it is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.	This area is located in Functional Unit 5 on the Main Installation for which the selected CERCLA remedy includes land use controls.
XXCC-3 (Building 249)	POL (Building 253)	MOGAS (Building 257)	POL (Building 263) (20 by 40 feet)	2,4-D, M2A1, and M4 Flamethrower Liquid Fuels (surface application)	POL, Various Chemical Leaks (railroad tracks 1, 2, 3, 4, 5, and 6)	Herbicide (all railroad tracks) (used to clear tracks)	Waste Oil (DRMO yard) (surface application for dust control)	2,4-Dichlorophenoxyacetic Acid (all grassed areas)	Flammables, Toxics (West End - Building 319)	Unknown Wastes near Building 689
£	£	en en	£	£	4	4	4	2-4	4	3
65	66	67	89	69	70	11	72	73	74	75

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76	m	Unknown Wastes near Building 690	This area is located in Functional Unit 5 on the Main Installation for which the selected CERCLA remedy includes land use controls.
77	m	Unknown Wastes near Buildings 689 and 690	This area is located in Functional Unit 5 on the Main Installation for which the selected CERCLA remedy includes land use controls.
78	e	Alcohol, Acetone, Toluene, Naphtha; Hydrofluoric Acid Spill	This area is located in Functional Unit 5 on the Main Installation for which the selected CERCLA remedy includes land use controls.
64	4	Fuels, Miscellaneous Liquids, Wood, and Paper (Vicinity S702)	No further action is required for this area; however, it is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.
80	4	Fuel and Cleaners Dispensing (Building 720)	This area is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.
81	4	Fuel Oil AST (Building 765 – removed in 1994)	This area is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.
82	2	Flammables (Buildings 783 and 793)	This area is located in Functional Unit 3 on the Main Installation for which the selected CERCLA remedy includes land use controls.
83	4	Disposal of Dried Paint Residues - South of Building 949	Lead contaminated soil was removed from an area of approximately 7,200 square feet. The CERCLA Removal Action was completed in 2001. This area is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.
84	5	Flammables, Solvents, Waste Oil, etc. (Building 972)	This area is located in Functional Unit 3 on the Main Installation for which the selected CERCLA remedy includes land use controls.
85		Old Pistol Range Building 1184/Temporary Pesticide Storage	A CERCLA Removal Action for lead in surface soil was conducted in 2003. No further action is required at this site.
86	-	Food Supplies (Dunn Field)	No further action is required for this site; however, it is located in the Dunn Field disposal area where the selected CERCLA remedy includes land use controls.

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Building 1084 was demolished and the debris was disposed off- site at a solid waste landfill. A concrete sump beneath the building was excavated; the contaminated soil was disposed off-site as special waste. This CERCLA Removal Action was completed in 2000. This area is located in Functional Unit 3 on the Main Installation for which the selected CERCLA remedy includes land use controls. This area overlies the groundwater treatment area of Functional Unit 7, Groundwater at the Main Installation, where enhanced bioremediation was selected as the CERCLA remedy.	The concrete slab and hydraulic lift were removed during a CERCLA Removal Action in 2000; the contaminated soils were disposed offsite as special waste and the lift and cylinders were cleaned and disposed as scrap metal. The concrete debris was disposed offsite as construction debris. This area is located in Functional Unit 3 on the Main Installation for which the selected CERCLA remedy includes land use controls. This area overlies the groundwater treatment area of Functional Unit 7, Groundwater at the Main Installation, where enhanced bioremediation was selected as the CERCLA remedy.	Building 1089 was decontaminated by vacuuming to remove free dust and pressure washing. The surface soil in areas outside the southern end of the building were excavated to a depth of one foot and replaced with clean backfill. The excavated soil was disposed off-site as special waste. This CERCLA Removal Action was completed in 2000. This area is located in Functional Unit 3 on the Main Installation for which the selected CERCLA remedy includes land use controls. This area overlies the groundwater treatment area of Functional Unit 7, Groundwater at the Main Installation, where enhanced bioremediation was selected as the CERCLA remedy.
DDT, banned pesticides (Building 1084)	POL (Building 1085)	Acids (Building 1089)
2	7	5
87	88	89



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United States Environmental Protection Agency HAZARDOUS WASTE PERMIT INFORMATION FORM

	Internet Alexandre State 1									
Contact (See	First Name: Mich	1ei	MI: A.	Last Name:	Dabbs					
page 35)	Phone Number: 717-	770-6950		Phone Number I	Extension: N/A					
2. Facility Permit Contact Mailing	Street or P.O. Box: Defense Logistics Agency 2001 Mission Drive									
Address (See instructions on	City, Town, or Village: New Cumberland									
hafa 201	State: Pennsylvania									
	Country:			Zlp Code:	17070-6950					
3. Legal Owner Mailing Address and	Street or P.O. Box:	Mr. Tom L	ederle Ham	pton BRAC Office	3A Bernard Road (Building 105A)					
(See Instructions on	City, Town, or Village:	Fort Monr	08							
page obj	State:	Virginia								
	Country:	Zlp Code: 23651-5	000	Phone Number:	757-788-4350					
4. Operator Mailing Address and	Street or P.O. Box: Mr. Michael A. Dobbs Defense Logistics Agency 2001 Mission Drive									
(See instructions on page 36)	City, Town, or Village: New Cumberland									
,	State: Pennsylvania									
	Country:	Zip Code: 17070-	5000	Phone Number:	717-770-6950					
5. Facility Existence Date (See Instructions on page 36)	Facility Existence Date (mm/dd/yyyy):	01/01/	1988							
6. Other Environmental F	Permits (See instructions on page 36)		_							
A. Permit Type (Enter code)	B. Permit Number		- <u> </u>	C. Descr	iption					
N/A			<u></u>	· · · · · · · · · · · · · · · · · · ·						
			•							
7 Notice of Duckson (D										
7. Nature of BUSINESS (Pr	ovide a brief description; see instructio	ns on page 37)	<u> </u>							
Facility was a distribution	on depot operated by the Defense Logistics	Agen <mark>cy</mark> for the Depart	ment of Defen	se until closure on S	September 30, 1997.					
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8. Process Codes and Design Capacities (See Instructions on page 37)

A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Thirteen lines are provided for entering codes. If more lines are needed, attach a separate sheet of paper with the additional information. For "other" processes (i.e., D99, S99, T04 and X99), describe the process (including its design capacity) in the space provided in item 9.

B. PROCESS DESIGN CAPACITY- For each code entered in column A, enter the capacity of the process.

1. AMOUNT - Enter the amount. In a case where design capacity is not applicable (such as in a closure/post-closure or enforcement action) enter the total amount of waste for that process.

2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code in column B(2) from the list of unit of measure codes below that describes the unit of measure used. Select only from the units of measure in this list.

C. PROCESS TOTAL NUMBER OF UNITS - Enter the total number of units for each corresponding process code.

PROCESS	PROCESS	APPROPRIATE UNITS OF MEASURE	PROCESS CODE	PROCESS	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
CODE		FOR PROCESS DESIGN CAPACITY			
	Disposal:				
D79	Vaderground Injection	Gations; Liters; Gations Per Day; or Liters	Tai	Cement Kiln	Gallons Per Day; Liters Per Day; Pounds
	Well Disposal	Per Day	T82	Lime Kiln	Per Hour: Short Tons Per Hour; Kilograms
D80	LendSli	Acre-foet; Hectare-meler; Acres; Cubic Meters;	T83	Aggregate Klis	Per Hour; Metric Tans Per Day; Metric
	1	Hectares; Cubic Yords	184	Cake Orea	Hans for Hour; Shore Loss Fer Day; Blu Fer
D81	Land restment	Acres of Hectares	103	Bint Frence	Hourt or Million Bin Per Nout
D63	Surface Impoundment	Gallons: Liters: Cabic Meters: or Cabic Vards	T87	Smalting, Malting, or Religing	Gallons Per Day: Liters Per Day: Poweds
200	Dispessi	deniari, Entris, Cook mentris, in Cooke 11101		Furate	Per Hour; Short Toms Per Hour; Kilegrams
D99	Other Disposal	Any Unit of Measure Listed Below	T88	Titanium Dloxide	Per Hour; Metrie Tons Per Duy; Metric
	Storage;	,		Chieride Oxidation Reacter	Tons Per Hour; Short Tont Per Day; Btu Per
S01	Container	Galless; Liters; Cubic Meters; or Cubic Yards	T89	Mechane Reforming Furnace	Hour; Gallons Per Hour; Liters Per Hour; or
842	Taak Storage	Gallons; Liters; Cubic Meters; or Cubic Yards		Pulping Liquer Recovery	Million Btu Per Hour
\$03	Woste Pile	Cubic Yards or Cubic Meters	T90	Furnate	
504	Surface Impoundment	Gallons; Liters; Cubit Meters; or Cubic Yards		Combuilton Device Used In	
	Stornge Dube D. A		191	From Second Suffering Anid	
283	prip Faa	Gallens; Liters; Acres; Cubic M ciers; Hoctares; or Cubic Varde		Halayes Acid Farnaces	
886	Containment Building	Cubic Fards or Cubic Meters		Other Industrial Furances	
	Storage		т92	Listed In 40 CFR §260.10	
\$99	Other Storage	Any Unit of Measure Listed Below	T93	-	
1	Trentment:	,	Т94	Contalament Building -	Cubic Yards; Cubic Meters; Shari Tons Per
T01	Tank Treatment	Gailens Per Day; Liters Per Day; Shert Teas Per		Trestment	Hour; Gollons Per Hour; Liters Per Hour;
		Hour: Gallons Per Hour; Liters Per Hour; Pounds			Btu Per Hour; Pounds Per Hosr; Short Teas
		Per Hour; Short Teas Per Day; Kilograms Per			Per Day; Kilograms Per Hour; Metric Tons
		Hour; Matric Tons Per Day; or Matric Tons Par Dana			Metzic Tons Per Hours or Million Bto Per
T0.7		College Bas Days Liters Res Days Sheet Taxe Res			Hour
	Trealment	Hour: Gallens Per Hour: Liters Per Hour; Pounds		Miscellancous (Subpart X).	
		Per Hour; Short Tons per Day; Kilograms Per	X01	Open Barning/Open Detenation	Any Unit of Measure Listed Below
		Hour; Metric Tons Per Day; or Metric Tons Per	X 02	Mechanical Processing	Short Tons Per Hour; Metric Tons Per
		Hour		-	Hour; Short Tons Per Day; Metric Tons Per
т03	Incinerator	Short Tons Per Hour; Metric Tons Par Hour;			Day; Pounds Per Hour; Kilograms Per
		Gallens Per Hour; Liters Per Hour; Bto Per Hour;			Bour; Gallens Per Hour; Liters Per Hour; er
		Pounds Per Hour; Shari Tons Per Day; Kilograms			Gallons Per Day
		Per Kour; Galloos Per Day; Liters Per Day; Metric	X 03	Thermal Unit	Gallons Per Day; Liters Per Day; Paunds
784	Other Treetmant	College Res David Man Ber David Reads			Per Hour; Short Tons Per Hour; Kliegrams
104	Other I reathcat	Galiona Fer Dayi Likera Fer Dayi Founda Fer Hour: Shart Tana Per Name: Kiloorama Per Name			Terr Reur; Metric Lons FCF Day; Metric
		Matrie Tans Per Day: Metric Tam Per Hone: Short			Nanr: or Million Bto Per Hour
		Tons Per Day; Btu Per Hoar; Gallens Per Day:	X04	Geolugic Repository	Cabic Yards: Cubic M etars: Acro-feet:
		Liters Per Hour; or Million Bin Per Hour			Hectare-meter; Gallons; or Liters
T80	Boiler	Gallons; Liters; Gallens Per Heur; Liters Per	X99	Other Subpart X	Any Unit of Measure Listed Below
		Hour; Btu Per Kour; er Millon Btu Per Hour		······································	
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UNIT OF UI	NIT OF	UNIT OF	UNIT OF	UNIT OF	UNIT OF
MEASURE MEAS	URE CODE	MEASURE	MEASURE CODE	MEASURE	MEASURE CODE
Galless Galtons Per Hour Galtons Per Day Liters Loss Per Hour Liters Per Hour Liters Per Day	G E U L H V	Short Tons Per Hour Metric Tons Per Day Short Tons Per Day Metric Tons Per Day Pounds Per Hour Kilograms Per Hour Million Bru Per Hour	D 	Cabic Yards Cabic Meters Acres Acre-feet Hoctores Hoctores Bu P er Hour	Y C B A A A A A A A A A A A A A A A A A A

EPA Form 8700-23 (Revised 5/2002)

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	A	B. PROCESS DESIGN	N CAPACITY	(2) Unit of	C. Process Total	
Line Process Code umber (From list above)		(1) Amount (specity)	Measure (Enter code)	Number of Units	For Official Use Only	
K 1	S 0 2	5 .	3 3 . 7 8 8	G	0 0 1	
1	N/A	N/A				
2						
3						
4						
5						
6						
7						
8						
9						
1 0						
1						
2						
-			•			
I 3	E: Hyou pood to	list more than 12 property and an attack and			- /- <i>#</i>	
3 NOT the I	E: If you need to lines sequentially Processes (See in) list more than 13 process codes, attach an a y, taking into account any lines that will be u nstructions on page 37 and follow instructio	additional sheet(s) ised for "other" pr ons from item 8 for	with the inform ocesses (i.e., D D99, S99, T04 a	ation in the same 99, S99, T04 and and X99 process	formatas above. Number X99) in Item 9. codes)
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OMB #: 2050-0034 Expires 10/31/02

10. Description of Hazardous Wastes (See instructions on page 37)

- A. EPA HAZARDOUS WASTE NUMBER Enter the four-digit number from 40 CFR, Part 261 Subpart D of each listed hazardous waste you will handle. For hazardous wastes which are not listed in 40 CFR, Part 261 Subpart D, enter the four-digit number(s) from 40 CFR Part 261, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.
- B. ESTIMATED ANNUAL QUANTITY For each listed waste entered in column A, estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A, estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE For each quantity entered in column B, enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	Р	KILOGRAMS	ĸ
TONS	T	METRIC TONS	М

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure, taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Items 8A and 9A on page 3 to indicate the waste will be stored, treated, and/or disposed at the facility.

For non-listed hazardous waste: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Items 8A and 9A on page 3 to Indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

NOTE: THREE SPACES ARE PROVIDED FOR ENTERING PROCESS CODES. IF MORE ARE NEEDED:

- 1. Enter the first two as described above.
- 2. Enter "000" in the extreme right box of item 10.D(1).

3. Use additional sheet, enter line number from previous sheet, and enter additional code(s) in item 10.E.

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in item 10.D(2) or in item 10.E(2).

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER - Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

- 1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
- In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
- 3. Repeat step 2 for each EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING Item 10 (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operations. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

	A. B. EPA Estimated C. Hazardous Annual Unit of				C. Unit of				-		0). PROCESSES			
LI. Nun	ne nber	(1	Wast Enter	e No cod	- e)	Quantity of Waste	Measure (Enter code)			(1) PR(OCESS	(2) PROCESS DESCRIPTION (If a code is not entered in D(1))			
Х	1	к	0	5	4	900	P	Т	0	3	D	8	0		
X	2	D	0	0	2	400	Р	T	0	3	D	8	0		
Х	3	D	0	0	1	100	Р	т	0	3	D	8	0		
X	4	D	0	0	2										Included With Above

OMB #: 2050-0034 Expires 10/31/02

10. Descr	iption of Hazardo	us Wastes (Co	ntinued; use a	dditional sheets as necessary)	······································				
	A.	B .		D. PROCESSES					
Line Number	EPA Hazardous Waste No. (Enter code)	Estimated Annual Quantity of Waste	C. Unit of Measure (Enter code)	(1) PROCESS CODES (Enter co	(2) PROCESS DESCRIPTION (If a code is not entered in D(1))				
1	N/A								
2					*				
3									
4									
5									
6									
7									
8									
9									
1 0									
1 1					······································				
1 2									
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16									
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2 1									
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EPA Form 8700-23 (Revised 5/2002)

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OMB #: 2050-0034 Expires 10/31/02

11. Map (See instructions on page 38)

Attach to this application a topographic map, or other equivalent map, of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in this map area. See instructions for precise requirements.

12. Facility Drawing (See instructions on page 39)

All existing facilities must include a scale drawing of the facility (see instructions for more detail).

13. Photographs (See instructions on page 39)

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

14. Comments (See instructions on page 39)

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Permit renewal application submitted for corrective action purposes. All corrective action is being addressed by the CERCLA process through the requirements of the Federal Facilities Agreement, effective March 6, 1995.

Part B permit (TNHW-053), issued to Defense Depot Memphis Tennessee for operating a hazardous storage unit, expired on September 18, 2001.

The storage unit was not used and the operational portion of the permit was terminated October 22, 1998.

SWMU/AOC Assessment Report

UNIT NUMBER: 1

UNIT NAME: Mustard Gas Burial Site

TYPE OF UNIT: Burial Ground

UNIT LOCATION: The approximate location of the unit is 270 feet from the west boundary and 340 feet from the north boundary of the Dunn Field area. This unit is located in the Disposal Area of CERCLA Operable Unit 1, Dunn Field.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: This unit was a small one-time burial area. The maximum burial depth was 10 feet in the Dunn Field disposal area.

FUNCTION OF UNIT: Six to nine sets of mustard gas and lewisite gas canisters, nine inches in length and one inch in width, were buried in this area.

DATE(s) OF OPERATION: July 22, 1955

DESCRIPTION OF WASTES (include hazardous constituents if known): Mustard gas and lewisite gas.

HAS A RELEASE OCCURRED? () Yes (X) No () Suspected () Unknown

RELEASE DATA: Beginning in May 2000, the entire target area was excavated, but neither CAIS nor PIGS were recovered. However, 24 jars labeled as "HS" (sulfur mustard) were recovered, but they were tested to be free of CWM. No CWM or CWM contaminated soil was found within the investigation area of Site 1. In August 2000, the removal action was complete at Site 1.

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: A CERCLA Removal Action took place for this area in 2000-2001. Site was investigated during CERCLA Remedial Investigation and was assigned a low priority (no R/A likely) in the Dunn Field Record of Decision. No further remedial action is required for this site; however, it is located in the Dunn Field disposal area where land use controls will apply.

COMMENTS:

REFERENCES:

RCRA Facility Assessment (RFA) Report, January 1990; page 1 of 60 Dunn Field RI Report, Rev. 2, July 2002; Section 10.2.1 page 10-5 Engineering Evaluation/Cost Analysis for the Removal of Chemical Warfare Material, June 1999 Final Chemical Warfare Material Investigation/Removal Action Report, December 2001 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3, page 3-83 Dunn Field Record of Decision, February 2004, Rev. 2; Section 2.4.1.2, page 2-6 Dunn Field Record of Decision, February 2004, Rev. 2; Table 2-1 Dunn Field Record of Decision, February 2004, Rev. 2; Table 2-2 Dunn Field Record of Decision, February 2004, Rev. 2; Section 2.12, 2-57

DATE PREPARED: March 17, 2004

SWMU/AOC Assessment Report

UNIT NUMBER: 2

UNIT NAME: Ammonia Hydroxide Burial Site

TYPE OF UNIT: Burial Ground

UNIT LOCATION: The approximate location of the unit is 270 feet from the west boundary and 300 feet from the north boundary of the Dunn Field area. This site is located within the Disposal Area of CERCLA Operable Unit 1, Dunn Field.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: Small one-time excavation to bury approximately 2 gallons of waste material. The maximum burial depth was 10 feet in the Dunn Field disposal area.

FUNCTION OF UNIT: One seven-pound jug of ammonia hydroxide and a one-gallon bottle of acetic acid were buried in this area.

DATE(S) OF OPERATION: July 7, 1955

DESCRIPTION OF WASTES (include hazardous constituents if known): Ammonia hydroxide and acetic acid

HAS A RELEASE OCCURRED? () Yes () No () Suspected (X) Unknown

RELEASE DATA: N/A

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Site was investigated during CERCLA Remedial Investigation and was assigned a low priority (no RA likely) in the Dunn Field Record of Decision. No further action is required for this site; however, it is located in the Dunn Field disposal area where land use controls will apply.

COMMENTS:

REFERENCES:

RFA Report, January 1990; page 2 of 60 Dunn Field RI Report, Rev. 2, July 2002; Section 10.3.6 page 10-11 Dunn Field RI Report, Rev. 2, July 2002; Section 17.2, page 17-4 Dunn Field RI Report, Rev. 2, July 2002; Section 11.5, page 11-25 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-79 Dunn Field Record of Decision, February 2004, Rev. 2; Section 2.12, page 2-57 Dunn Field Record of Decision, February 2004, Rev. 2; Table 2-2, page 1 of 3

DATE PREPARED: March 08, 2004

SWMU/AOC Assessment Report

UNIT NUMBER: 3

UNIT NAME: Mixed Chemical Burial Site A

TYPE OF UNIT: Burial Ground

UNIT LOCATION: The approximate location of the unit is 270 feet from the west boundary and 275 feet from the north boundary of the Dunn Field area. The site is located within the Disposal Area of CERCLA Operable Unit 1, Dunn Field.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: This site is estimated to be approximately 30 feet long and 10 feet wide. The maximum burial depth was 10 feet in the Dunn Field disposal area.

FUNCTION OF UNIT: Three thousand quarts of unknown chemicals and five cubic feet of ortho-toluidine dihydrochloride were buried in this area.

DATE(S) OF OPERATION: July 24, 1955

DESCRIPTION OF WASTES (include hazardous constituents if known): Unknown chemicals and ortho-toluidine dihydrochloride

HAS A RELEASE OCCURRED? (X) Yes () No () Suspected () Unknown

RELEASE DATA: Dunn Field Remedial Investigation identified VOCs in subsurface soil and in groundwater within the 36.2 subparcel which includes Unit 3.

MEDIA AFFECTED: Groundwater and soil.

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Site was investigated during the CERCLA Remedial Investigation and was assigned a moderate priority level in the Dunn Field Record of Decision. Further soil investigation during the CERCLA Remedial Design determined that soil contaminant concentrations did not exceed risk-based action levels. No further action is required for this site; however, it is located in the Dunn Field disposal area where land use controls will apply.

COMMENTS:

REFERENCES: RFA Report, January 1990; page 3 of 60 Dunn Field RI Report, Rev. 2, July 2002; Section 10.3.6 page 10-11 Dunn Field RI Report, Rev. 2, July 2002; Section 17.2, page 17-4 Dunn Field RI Report, Rev. 2, July 2002; Section 11.5, page 11-25 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-79 Dunn Field Record of Decision, February 2004, Rev. 2; Section 2.12, page 2-57 Dunn Field Record of Decision, February 2004, Rev. 2; Table 2-2, page 1 of 3 Dunn Field Disposal Sites Pre-Design Investigation Data Collection Technical Memorandum, February 2004, Rev. 1

DATE PREPARED: March 17, 2004



SWMU/AOC Assessment Report

UNIT NUMBER: 4

UNIT NAME: POL Burial Sites

TYPE OF UNIT: Burial Ground

UNIT LOCATION: The approximate location of the unit is 270 feet from the west boundary and 200 feet from the north boundary of the Dunn Field area. The site is located within the Disposal Area of CERCLA Operable Unit 1, Dunn Field.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: Burial trenches containing 45 drums of waste materials; one trench containing 13 drums was estimated to be 10 feet by 20 feet and the second trench containing 32 drums was estimated to be 40 feet by 10 feet. The maximum burial depth was 10 feet in the Dunn Field disposal area.

FUNCTION OF UNIT: Forty-five, 55-gallon drums of discarded oil, grease, paints, and thinner were buried in this area.

DATE(S) OF OPERATION: April 20, 1955

DESCRIPTION OF WASTES (include hazardous constituents if known): Oil, grease, paints, and thinner

HAS A RELEASE OCCURRED? (X) Yes () No () Suspected () Unknown

RELEASE DATA: Dunn Field Remedial Investigation Report indicates VOCs in subsurface soil and in groundwater within the 36.3 subparcel, which includes Unit 4.

MEDIA AFFECTED: Soil, Groundwater

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Site was investigated during CERCLA Remedial Investigation and was assigned the highest remedial action priority level in the Record of Decision. Further investigation during the CERCLA Remedial Design identified benzene and copper at concentrations above remediation goals in a limited area of Unit 4. Remedial action, including excavation of contaminated soils/waste materials and off-site disposal, is planned for this site. This unit is located in the Dunn Field disposal area where land use controls will apply.

COMMENTS:

REFERENCES: RFA Report, January 1990; page 4 of 60 Dunn Field RI Report, Rev. 2, July 2002; Section 10.3.6 page 10-11 Dunn Field RI Report, Rev. 2, July 2002; Section 17.2, page 17-4 Dunn Field RI Report, Rev. 2, July 2002; Section 11.5, page 11-25 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-79 Dunn Field Record of Decision, February 2004, Rev. 2; Section 2.12, page 2-57 Dunn Field Record of Decision, February 2004, Rev. 2; Table 2-2, page 1 of 3 Dunn Field Disposal Sites Pre-Design Investigation Data Collection Technical Memorandum, February 2004, Rev. 1

DATE PREPARED: March 17, 2004

SWMU/AOC Assessment Report

UNIT NUMBER: 5

UNIT NAME: Methyl Bromide Burial Site A

TYPE OF UNIT: Burial Ground

UNIT LOCATION: The approximate location of the unit is 270 feet from the west boundary and 150 feet from the north boundary of the Dunn Field area. The site is located within the Disposal Area of CERCLA Operable Unit 1, Dunn Field.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: Small one-time burial area. The maximum burial depth was 10 feet in the Dunn Field disposal area.

FUNCTION OF UNIT: Three cubic feet of methyl bromide was buried in an unidentified container or containers in this area.

DATE(S) OF OPERATION: April 6, 1955

DESCRIPTION OF WASTES (include hazardous constituents if known): Methyl bromide

HAS A RELEASE OCCURRED? () Yes () No () Suspected (X) Unknown

RELEASE DATA: N/A

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Site was investigated during CERCLA Remedial Investigation and was assigned a low priority (no RA likely) in the Dunn Field Record of Decision. No further action is required for this site; however, it is located in the Dunn Field disposal area where land use controls will apply.

COMMENTS:

REFERENCES:

RFA Report, January 1990; page 5 of 60 Dunn Field RI Report, Rev. 2, July 2002; Section 10.3.6 page 10-11 Dunn Field RI Report, Rev. 2, July 2002; Section 17.2, page 17-4 Dunn Field RI Report, Rev. 2, July 2002; Section 11.5, page 11-25 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-79 Dunn Field Record of Decision, February 2004, Rev. 2; Section 2.12, page 2-57 Dunn Field Record of Decision, February 2004, Rev. 2; Table 2-2, page 1 of 3

DATE PREPARED: March 19, 2004

SWMU/AOC Assessment Report

UNIT NUMBER: 6

UNIT NAME: Eye Ointment Burial Site

TYPE OF UNIT: Burial Ground

UNIT LOCATION: The approximate location of the unit is 85 feet from the north boundary of the Dunn Field area and 75 feet from the Dunn Field road. The site is located within the Disposal Area of CERCLA Operable Unit 1, Dunn Field.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: Small one-time burial area. The maximum burial depth was 10 feet in the Dunn Field disposal area.

FUNCTION OF UNIT: Forty thousand and thirty-seven N.S.N. units of discarded eye ointment were buried in the Dunn Field area of the facility.

DATE(S) OF OPERATION: November 2, 1955

DESCRIPTION OF WASTES (include hazardous constituents if known): Eye ointment

HAS A RELEASE OCCURRED? () Yes (X) No () Suspected () Unknown

RELEASE DATA: N/A

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Site was investigated during CERCLA Remedial Investigation and was assigned a low priority (no RA likely) in the Dunn Field Record of Decision. No further action is required for this site; however, it is located in the Dunn Field disposal area where land use controls will apply

COMMENTS:

REFERENCES:

RFA Report, January 1990; page 6 of 60 Dunn Field RI Report, Rev. 2, July 2002; Section 10.3.6 page 10-11 Dunn Field RI Report, Rev. 2, July 2002; Section 17.2, page 17-4 Dunn Field RI Report, Rev. 2, July 2002; Section 11.5, page 11-25 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-84, 3-85 Dunn Field Record of Decision, February 2004, Rev. 2; Section 2.12, page 2-57 Dunn Field Record of Decision, February 2004, Rev. 2; Table 2-2, page 1 of 3

DATE PREPARED: March 08, 2004

SWMU/AOC Assessment Report

UNIT NUMBER: 7

UNIT NAME: Fuming Nitric Acid Burial Site

TYPE OF UNIT: Burial Ground

UNIT LOCATION: The approximate location of the unit is 160 feet from the west boundary and 165 feet from the north boundary of the Dunn Field area. The site is located within the Disposal Area of CERCLA Operable Unit 1, Dunn Field.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: Small one-time burial trench. The maximum burial depth was 10 feet in the Dunn Field disposal area.

FUNCTION OF UNIT: One thousand, seven hundred bottles of fuming nitric acid were buried in this area.

DATE(S) OF OPERATION: February 4, 1954

DESCRIPTION OF WASTES (include hazardous constituents if known): Fuming nitric acid.

HAS A RELEASE OCCURRED? () Yes () No (X) Suspected () Unknown

RELEASE DATA: Dunn Field RI Report indicates VOCs in subsurface soil and in groundwater within the 36.5 subparcel which includes Site 7. Further soil investigation during the CERCLA Remedial Design determined that soil contaminant concentrations did not exceed risk-based action levels.

MEDIA AFFECTED: Soil, Groundwater

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Site was investigated during CERCLA Remedial Investigation and was assigned the highest remedial action priority level per the Dunn Field Record of Decision. Further soil investigation during the CERCLA Remedial Design determined that soil contaminant concentrations did not exceed risk-based action levels. No further action is required for this site; however, it is located in the Dunn Field disposal area where land use controls will apply.

COMMENTS:

REFERENCES: RFA Report, January 1990; page 7 of 60 Dunn Field RI Report, Rev. 2, July 2002; Section 10.3.5 page 10-10 Dunn Field RI Report, Rev. 2, July 2002; Section 17.2, page 17-4 Dunn Field RI Report, Rev. 2, July 2002; Section 11.5, page 11-25 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-79 Dunn Field Record of Decision, February 2004, Rev. 2; Section 2.12, page 2-57 Dunn Field Record of Decision, February 2004, Rev. 2; Table 2-2, page 2 of 3 Dunn Field Disposal Sites Pre-Design Investigation Data Collection Technical Memorandum, February 2004, Rev. 1

DATE PREPARED: March 17, 2004

SWMU/AOC Assessment Report

UNIT NUMBER: 8

UNIT NAME: Methyl Bromide Burial Site B

TYPE OF UNIT: Burial Ground

UNIT LOCATION: The approximate location of the unit is 90 feet from the north boundary of the Dunn Field area, and 65 feet north of the Fuming Nitric Acid Burial Site (SWMU No. 7). The site is located within the Disposal Area of CERCLA Operable Unit 1, Dunn Field.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: One-time burial site with a depth of 7 feet.

FUNCTION OF UNIT: Three thousand, seven hundred and sixty-eight one-gallon cans of methyl bromide were buried in this area.

DATE(S) OF OPERATION: February 4, 1954

DESCRIPTION OF WASTES (include hazardous constituents if known): Methyl bromide

HAS A RELEASE OCCURRED? (X) Yes () No () Suspected () Unknown

RELEASE DATA: During the Dunn Field Remedial Investigation, bromomethane was not detected in the surface soil or subsurface soil on Dunn Field where tested during the RI [>250 samples]. Bromomethane was detected in 5 monitoring wells [MW-13, -69, -70, -76 & -77] in 2001 at low estimated concentrations ranging from 0.2J ug/L to 0.6J ug/L. No bromomethane was detected in the recovery wells. Bromomethane was not detected in groundwater samples prior to 2001 [a total of >500 groundwater samples].

MEDIA AFFECTED: Groundwater.

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Site was investigated during Remedial Investigation and was assigned the highest remedial action priority level per the Dunn Field Record of Decision. Further soil investigation during the CERCLA Remedial Design determined that soil contaminant concentrations did not exceed risk-based action levels. No further action is required for this site; however, it is located in the Dunn Field disposal area where land use controls will apply.

COMMENTS:

REFERENCES: RFA Report, January 1990; page 8 of 60 Dunn Field RI Report, Rev. 2, July 2002; Section 10.3.5 page 10-10 Dunn Field RI Report, Rev. 2, July 2002; Section 17.2, page 17-4 Dunn Field RI Report, Rev. 2, July 2002; Section 11.5, page 11-25 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-80 Dunn Field Record of Decision, February 2004, Rev. 2; Section 2.12, page 2-57 Dunn Field Record of Decision, February 2004, Rev. 2; Table 2-2, page 2 of 3 Dunn Field Disposal Sites Pre-Design Investigation Data Collection Technical Memorandum, February 2004, Rev. 1

DATE PREPARED: March 17, 2004
UNIT NUMBER: 9

UNIT NAME: Ashes and Metal Burial Site

TYPE OF UNIT: Burial Ground

UNIT LOCATION: The site is located 310 feet from the west boundary and 120 feet from the north boundary of the Dunn Field area. The site is located within the Disposal Area of CERCLA Operable Unit 1, Dunn Field.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: One-time burial area approximately 240 feet in length and eight feet in width. The maximum burial depth was 10 feet in the Dunn Field disposal area.

FUNCTION OF UNIT: Ash and metal refuse from the Former Miscellaneous Burn Site (SWMU No. 24) were buried in this area.

DATE(S) OF OPERATION: November 14, 1955

DESCRIPTION OF WASTES (include hazardous constituents if known): Metal and ashes from the burning of waste and construction debris.

HAS A RELEASE OCCURRED? () Yes () No () Suspected (X) Unknown

RELEASE DATA: N/A

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Site was investigated during CERCLA Remedial Investigation and was assigned a low priority (RA not likely) in the Dunn Field Record of Decision. No further action is required for this site; however, it is located in the Dunn Field disposal area where land use controls will apply.

COMMENTS:

REFERENCES: RFA Report, January 1990; page 9 of 60 Dunn Field RI Report, Rev. 2, July 2002; Section 10.3.6 page 10-11 Dunn Field RI Report, Rev. 2, July 2002; Section 17.2, page 17-4 Dunn Field RI Report, Rev. 2, July 2002; Section 11.5, page 11-25 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-83 Dunn Field Record of Decision, February 2004, Rev. 2; Section 2.12, page 2-57 Dunn Field Record of Decision, February 2004, Rev. 2; Table 2-2, page 2 of 3

UNIT NUMBER: 10

UNIT NAME: Solid Waste Burial Site

TYPE OF UNIT: Burial Ground

UNIT LOCATION: The unit is located along the north boundary approximately 35 feet from the west boundary of the Dunn Field area. The unit is located within the Disposal Area of CERCLA Operable Unit 1, Dunn Field.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: This burial site was discovered during the installation of Well MW-10. It covers an area of approximately 100 by 50 feet with an approximate depth of 3.5 feet to 10 feet.

FUNCTION OF UNIT: Burial area for miscellaneous waste materials.

DATE(S) OF OPERATION: Unknown

DESCRIPTION OF WASTES (include hazardous constituents if known): Miscellaneous waste metal, glass, burned trash, and organic matter.

HAS A RELEASE OCCURRED? (X) Yes () No () Suspected () Unknown

RELEASE DATA: Dunn Field Remedial Investigation Report indicated the presence of VOCs in subsurface soil and groundwater beneath subparcel 36.21 which includes Unit 10.

MEDIA AFFECTED: Soil, groundwater, subsurface gas

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Site was investigated during CERCLA Remedial Investigation and was assigned a moderate priority level per the Dunn Field Record of Decision. Further investigation during the CERCLA Remedial Design identified benzene, copper and lead at concentrations above remediation goals in a limited area of Unit 10. Remedial action, including excavation of contaminated soils/waste materials and off-site disposal, is planned for this site. This unit is located in the Dunn Field disposal area where land use controls will apply.

COMMENTS:

REFERENCES: RFA Report, January 1990; page 10 of 60 Dunn Field RI Report, Rev. 2, July 2002; Section 10.3.5 page 10-10 Dunn Field RI Report, Rev. 2, July 2002; Section 17.2, page 17-4 Dunn Field RI Report, Rev. 2, July 2002; Section 11.5, page 11-25 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-85 Dunn Field Record of Decision, February 2004, Rev. 2; Section 2.12, page 2-57 Dunn Field Record of Decision, February 2004, Rev. 2; Table 2-2, page 2 of 3 Dunn Field Disposal Sites Pre-Design Investigation Data Collection Technical Memorandum, February 2004, Rev. 1

UNIT NUMBER: 11

L

UNIT NAME: Trichloroacetic Acid Burial Site

TYPE OF UNIT: Burial Ground

UNIT LOCATION: The approximate location of the unit is 15 feet from the north boundary and 25 feet west of the Dunn Field Road. The site is located within the Disposal Area of CERCLA Operable Unit 1, Dunn Field.

DATE(S) OF OPERATION: June 11, 1965

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: Burial area with a depth of 6 feet.

FUNCTION OF UNIT: Fourteen hundred and thirty-three one-ounce bottles (approximately 11 gallons) were buried in this area.

DESCRIPTION OF WASTES (include hazardous constituents if known): Trichloroacetic acid.

HAS A RELEASE OCCURRED? () Yes () No (X) Suspected () Unknown

RELEASE DATA: The Dunn Field Remedial Investigation Report indicates that groundwater and subsurface soil beneath subparcel 36.7, which includes Unit 11, contains VOCs.

MEDIA AFFECTED: Soil, Groundwater

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Site was investigated during CERCLA Remedial Investigation and was assigned a moderate priority level per the Dunn Field Record of Decision. Further soil investigation during the CERCLA Remedial Design determined that soil contaminant concentrations did not exceed riskbased action levels. No further action is required for this site; however, it is located in the Dunn Field disposal area where land use controls will apply.

COMMENTS:

REFERENCES:

RFA Report, January 1990; page 11 of 60 Dunn Field RI Report, Rev. 2, July 2002; Section 10.3.6 page 10-11 Dunn Field RI Report, Rev. 2, July 2002; Section 17.2, page 17-4 Dunn Field RI Report, Rev. 2, July 2002; Section 11.5, page 11-25 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-80 Dunn Field Record of Decision, February 2004, Rev. 2; Section 2.12, page 2-57 Dunn Field Record of Decision, February 2004, Rev. 2; Table 2-2, page 2 of 3 Dunn Field Disposal Sites Pre-Design Investigation Data Collection Technical Memorandum, February 2004, Rev. 1

UNIT NUMBER: 12

UNIT NAME: Sulfuric and Hydrochloric Acid Burial Site

TYPE OF UNIT: Burial Ground

UNIT LOCATION: The approximate location of the unit is 35 feet from the west boundary and 30 feet north of the TVA power lines. The site is located within the Disposal Area of CERCLA Operable Unit 1, Dunn Field.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: Burial area with a depth of eight feet. The unit is expected to have had three separate burial trenches.

FUNCTION OF UNIT: Thirty pallets of discarded acid were buried in this area.

DATE(S) OF OPERATION: December 1967

DESCRIPTION OF WASTES (include hazardous constituents if known): Sulfuric and Hydrochloric Acid.

HAS A RELEASE OCCURRED? () Yes () No (X) Suspected () Unknown

RELEASE DATA: The Dunn Field RI Report indicates that groundwater and subsurface soil beneath subparcel 36.8, which includes Unit 12, contains VOCs.

MEDIA AFFECTED: Soil, Groundwater

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Site was investigated during CERCLA Remedial Investigation and was assigned a moderate priority level in the Record of Decision. Further soil investigation during the CERCLA Remedial Design determined that soil contaminant concentrations did not exceed risk-based action levels. No further action is required for this site; however, it is located in the Dunn Field disposal area where land use controls will apply.

COMMENTS:

REFERENCES: RFA Report, January 1990; page 12 of 60 Dunn Field RI Report, Rev. 2, July 2002; Section 10.3.3 page 10-9 Dunn Field RI Report, Rev. 2, July 2002; Section 17.2, page 17-4 Dunn Field RI Report, Rev. 2, July 2002; Section 11.5, page 11-25 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-80, 3-81 Dunn Field Record of Decision, February 2004, Rev. 2; Section 2.12, page 2-57 Dunn Field Record of Decision, February 2004, Rev. 2; Table 2-2, page 2 of 3 Dunn Field Disposal Sites Pre-Design Investigation Data Collection Technical Memorandum, February 2004, Rev. 1

UNIT NUMBER: 13

UNIT NAME: Mixed Chemical Burial Site B

TYPE OF UNIT: Burial Ground

UNIT LOCATION: The unit is located approximately 50 feet from the west boundary and 340 feet from the north boundary of the Dunn Field area. The site is located within the Disposal Area of CERCLA Operable Unit 1, Dunn Field.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: The unit comprises approximately 15 individual burial sites with a total area of approximately 35 feet by 50 feet and a depth of 8 feet.

FUNCTION OF UNIT: Thirty-two cubic yards, consisting of one hundred and five one hundred pound sacks of mixed chemicals and acids buried in this area.

DATE(S) OF OPERATION: March 1968 and March 12, 1970

DESCRIPTION OF WASTES (include hazardous constituents if known): Nine sacks of detergent, seventy sacks of aluminum sulfate, two sacks of sodium dichromate, twenty sacks of sodium carbonate, and four sacks of sodium phosphate. Unknown amounts of sodium phosphate, sodium, acid, medical supplies, and lime-chlorinated sodium were also added at a later date.

HAS A RELEASE OCCURRED? (X) Yes () No () Suspected () Unknown

RELEASE DATA: The Dunn Field Remedial Investigation Report indicates that moderate to high soil gas concentrations are present at Location D, North Burial Site, which includes Unit 13. The report also indicates that groundwater and subsurface soil beneath subparcel 36.9, which includes Unit 13, contain VOCs.

MEDIA AFFECTED: Soil, Groundwater

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Site was investigated during CERCLA Remedial Investigation and was assigned the highest remedial action priority level in the Dunn Field Record of Decision. Further soil investigation during the CERCLA Remedial Design determined that soil contaminant concentrations did not exceed risk-based action levels. No further action is required for this site; however, it is located in the Dunn Field disposal area where land use controls will apply.

COMMENTS:

REFERENCES:

RFA Report, January 1990; page 13 of 60 Dunn Field RI Report, Rev. 2, July 2002; Section 10.3.4 page 10-9 Dunn Field RI Report, Rev. 2, July 2002; Section 17.2, page 17-4 Dunn Field RI Report, Rev. 2, July 2002; Section 11.5, page 11-25 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-81 Dunn Field Record of Decision, February 2004, Rev. 2; Section 2.12, page 2-57 Dunn Field Record of Decision, February 2004, Rev. 2; Table 2-2, page 2 of 3 Dunn Field Disposal Sites Pre-Design Investigation Data Collection Technical Memorandum, February 2004, Rev. 1

UNIT NUMBER: 14

UNIT NAME: Municipal Waste Burial Site

TYPE OF UNIT: Burial Ground

UNIT LOCATION: The unit is located approximately 75 feet from the west boundary of the Dunn Field area and 205 feet south of monitoring well MW-5. The site is located within the Disposal Area of CERCLA Operable Unit 1, Dunn Field.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: The burial area is approximately 40 feet by 80 feet with a depth of 6 to 10 feet.

FUNCTION OF UNIT: C-Rations, paper and cardboard were found in this area during the installation of monitoring well MW-12.

DATE(S) OF OPERATION: Unknown

DESCRIPTION OF WASTES (include hazardous constituents if known): C-Rations, paper, and cardboard.

HAS A RELEASE OCCURRED? () Yes () No () Suspected (X) Unknown

RELEASE DATA: N/A

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Site was investigated during CERCLA Remedial Investigation and was assigned a low priority (no RA likely) in the Dunn Field Record of Decision. No further action is required for this site; however, it is located in the Dunn Field disposal area where land use controls will apply.

COMMENTS:

REFERENCES: RFA Report, January 1990; page 14 of 60 Dunn Field RI Report, Rev. 2, July 2002; Section 10.3.3 page 10-9 Dunn Field RI Report, Rev. 2, July 2002; Section 17.2, page 17-4 Dunn Field RI Report, Rev. 2, July 2002; Section 11.5, page 11-25 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-85 Dunn Field Record of Decision, February 2004, Rev. 2; Section 2.12, page 2-57 Dunn Field Record of Decision, February 2004, Rev. 2; Table 2-2, page 2 of 3

UNIT NUMBER: 15

UNIT NAME: Sodium Burial Sites

TYPE OF UNIT: Burial Ground

UNIT LOCATION: The unit consists of separate burial sites in an area located 105 feet from the west boundary and 450 feet from the north boundary. This unit is located in the Disposal Area of CERCLA Operable Unit 1, Dunn Field.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: The burial sites cover an area approximately 100 feet by 20 feet containing 14 discrete trenches to a depth of 8 feet.

FUNCTION OF UNIT: One pallet of sodium and one pallet of sodium phosphate were buried in this area. An unknown quantity of chlorinated lime, acid wastes and various medical supplies were also reported to be buried in this unit.

DATE(S) OF OPERATION: September 1968

DESCRIPTION OF WASTES (include hazardous constituents if known): Sodium and sodium phosphate, acid wastes, medical supplies, and chlorinated lime.

HAS A RELEASE OCCURRED? () Yes () No (X) Suspected () Unknown

RELEASE DATA: Dunn Field RI Report indicates VOCs in subsurface soil and in groundwater within the 36.23 subparcel which includes Unit 15.

MEDIA AFFECTED: Soil, Groundwater.

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Site was investigated during CERCLA Remedial Investigation and was assigned a moderate priority level per the Dunn Field Record of Decision. Further soil investigation during the CERCLA Remedial Design identified benzene at concentrations above remediation goals in a limited area of Unit 15. Remedial action, including excavation of contaminated soils/waste materials and off-site disposal, is planned for this site. This unit is located in the Dunn Field disposal area where land use controls will apply.

COMMENTS:

REFERENCES: RFA Report, January 1990; page 15 of 60 Dunn Field RI Report, Rev. 2, July 2002; Section 10.3.4 page 10-9 Dunn Field RI Report, Rev. 2, July 2002; Section 17.2, page 17-4 Dunn Field RI Report, Rev. 2, July 2002; Section 11.5, page 11-25 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-85, 3-86 Dunn Field Record of Decision, February 2004, Rev. 2; Section 2.12, page 2-57 Dunn Field Record of Decision, February 2004, Rev. 2; Table 2-2, page 2 of 3 Dunn Field Disposal Sites Pre-Design Investigation Data Collection Technical Memorandum, February 2004, Rev. 1

UNIT NUMBER: 16

UNIT NAME: Unknown Acid Burial Site

TYPE OF UNIT: Burial Ground

UNIT LOCATION: The unit is located approximately 80 feet from the west boundary and 500 feet from the north boundary of the Dunn Field area. This unit is located in the Disposal Area of CERCLA Operable Unit 1, Dunn Field.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: This dimensions of this burial area are not known. The maximum burial depth was 10 feet in the Dunn field area.

FUNCTION OF UNIT: One pallet of an unknown acid was buried in this area.

DATE(S) OF OPERATION: January 1969

DESCRIPTION OF WASTES (include hazardous constituents if known): Discarded, unknown acid.

HAS A RELEASE OCCURRED? () Yes () No (X) Suspected () Unknown

RELEASE DATA: Dunn Field RI Report indicates VOCs in subsurface soil and in groundwater within the 36.10 subparcel which includes Unit 16.

MEDIA AFFECTED: Soil, Groundwater.

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Site was investigated during CERCLA Remedial Investigation and was assigned a moderate priority level per the Dunn Field Record of Decision. Further soil investigation during the CERCLA Remedial Design determined that soil contaminant concentrations did not exceed risk-based action levels. No further action is required for this site; however, it is located in the Dunn Field disposal area where land use controls will apply.

COMMENTS:

REFERENCES: RFA Report, January 1990; page 16 of 60 Dunn Field RI Report, Rev. 2, July 2002; Section 10.3.4 page 10-9 Dunn Field RI Report, Rev. 2, July 2002; Section 17.2, page 17-4 Dunn Field RI Report, Rev. 2, July 2002; Section 11.5, page 11-25 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-81 Dunn Field Record of Decision, February 2004, Rev. 2; Section 2.12, page 2-57 Dunn Field Record of Decision, February 2004, Rev. 2; Table 2-2, page 2 of 3 Dunn Field Disposal Sites Pre-Design Investigation Data Collection Technical Memorandum, February 2004, Rev. 1

UNIT NUMBER: 17

UNIT NAME: Mixed Chemical Burial Site C

TYPE OF UNIT: Burial Ground

UNIT LOCATION: The approximate location of the unit is 115 feet from the west boundary and 500 feet from the north boundary of the Dunn Field area. This unit is located in the Disposal Area of CERCLA Operable Unit 1, Dunn Field.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: This unit is a burial site of 20 feet by 30 feet and 8 feet in depth in the Dunn Field area of the facility.

FUNCTION OF UNIT: An unknown amount of chemicals and medical supplies were buried in this area. It is not known whether the material was containerized or placed directly into the ground.

DATE(S) OF OPERATION: January 1969

DESCRIPTION OF WASTES (include hazardous constituents if known): Herbicide, cleaning compound and miscellaneous medical supplies.

HAS A RELEASE OCCURRED? () Yes () No (X) Suspected () Unknown

RELEASE DATA: Dunn Field Remedial Investigation Report indicates VOCs in subsurface soil and in groundwater within the 36.11 subparcel which includes Unit 17.

MEDIA AFFECTED: Soil, Groundwater.

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Site was investigated during CERCLA Remedial Investigation and was assigned a moderate priority level per the Dunn Field Record of Decision. Further soil investigation during the CERCLA Remedial Design determined that soil contaminant concentrations did not exceed risk-based action levels. No further action is required for this site; however, it is located in the Dunn Field disposal area where land use controls will apply.

COMMENTS:

REFERENCES: RFA Report, January 1990; page 17 of 60 Dunn Field RI Report, Rev. 2, July 2002; Section 10.3.4 page 10-9 Dunn Field RI Report, Rev. 2, July 2002; Section 17.2, page 17-4 Dunn Field RI Report, Rev. 2, July 2002; Section 11.5, page 11-25 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-81, 3-82 Dunn Field Record of Decision, February 2004, Rev. 2; Section 2.12, page 2-57 Dunn Field Record of Decision, February 2004, Rev. 2; Table 2-2, page 2 of 3 Dunn Field Disposal Sites Pre-Design Investigation Data Collection Technical Memorandum, February 2004, Rev. 1

UNIT NUMBER: 18

UNIT NAME: Plane Crash Residue Burial Site

TYPE OF UNIT: Burial Ground

UNIT LOCATION: The unit is located approximately 240 feet from the west boundary and 600 feet from the north boundary of the Dunn Field area. This unit is located in the Disposal Area of CERCLA Operable Unit 1, Dunn Field.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: This unit was a one-time burial site 363 feet in length and 45 feet in width.

FUNCTION OF UNIT: Debris from a plane crash that occurred in the summer of 1985 on the main installation of the facility was buried in this area.

DATE(S) OF OPERATION: September 1985

DESCRIPTION OF WASTES (include hazardous constituents if known): Military clothing, plastic, cardboard, roofing rock, asphalt roofing, wood, decking, roof trusses, electrical conduit, fittings, sprinkler pipe, and metal.

HAS A RELEASE OCCURRED? () Yes () No () Suspected (X) Unknown

RELEASE DATA: N/A

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Site was investigated during CERCLA Remedial Investigation and was assigned a low priority (no RA likely) in the Dunn Field Record of Decision. No further action is required for this site; however, it is located in the Dunn Field disposal area where land use controls will apply.

COMMENTS: Designated as "No Further Action" in the RFA

REFERENCES:

RFA Report, January 1990; page 18 of 60 Dunn Field RI Report, Rev. 2, July 2002; Section 10.3.6 page 10-11 Dunn Field RI Report, Rev. 2, July 2002; Section 17.2, page 17-4 Dunn Field RI Report, Rev. 2, July 2002; Section 11.5, page 11-25 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-87 Dunn Field Record of Decision, February 2004, Rev. 2; Section 2.12, page 2-57 Dunn Field Record of Decision, February 2004, Rev. 2; Table 2-2, page 2 of 3

UNIT NUMBER: 19

UNIT NAME: Former Tear Gas Canisters Burn Site

TYPE OF UNIT: Open burning area

UNIT LOCATION: The unit is located at the southern boundary of the Northeast Open Area, approximately 525 feet from the east boundary and 825 feet from the north boundary of the Dunn Field area. This unit is located in the Northeast Open Area of CERCLA Operable Unit 1, Dunn Field.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: This was an open burning area of unknown dimensions.

FUNCTION OF UNIT: Discarded tear gas canisters were placed directly on the ground and burned. Material burned included tear gas canisters, fuses and smokes as well as sanitary wastes. Burning was performed in pits and incorporated weekly cleanup of residue and garbage; the ash was then allegedly buried in the north end of the Dunn Field.

DATE(S) OF OPERATION: Likely 1955 to 1960.

DESCRIPTION OF WASTES (include hazardous constituents if known): Smoke pots, tear gas canisters, and sanitary wastes.

HAS A RELEASE OCCURRED? () Yes () No () Suspected (X) Unknown

RELEASE DATA: N/A

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Site was investigated during CERCLA Remedial Investigation and was assigned a low priority (no RA likely) per the Dunn Field Record of Decision. No further action is required for this site.

COMMENTS:

REFERENCES:

RFA Report, January 1990; page 19 of 60 Dunn Field RI Report, Rev. 2, July 2002; Section 8, Table 8-1 Dunn Field RI Report, Rev. 2, July 2002; Section 17.1, page 17-1 Dunn Field RI Report, Rev. 2, July 2002; Section 9.7, page 9-13 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.3, page 3-28, 3-29 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Table 3-6, page 4 of 77 Dunn Field Record of Decision, February 2004, Rev. 2; Section 2.7.1.5, page 2-26 Dunn Field Record of Decision, February 2004, Rev. 2; Table 2-2, page 1 of 3

UNIT NUMBER: 20

UNIT NAME: Probable Asphalt Burial Site

TYPE OF UNIT: Burial Ground.

UNIT LOCATION: The approximate location of the unit is 570 feet from the east boundary and 360 feet from the north boundary of the Dunn Field area. This unit is located in the Northeast Open Area of CERCLA Operable Unit 1, Dunn Field.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: Surface fill area of unknown dimensions.

FUNCTION OF UNIT: Asphalt and roofing gravel were dumped as surface fill in this area. The material was reportedly removed in 1981.

DATE(S) OF OPERATION: Unknown

DESCRIPTION OF WASTES (include hazardous constituents if known): Discarded asphalt and roofing gravel.

HAS A RELEASE OCCURRED? () Yes () No () Suspected (X) Unknown

RELEASE DATA: N/A

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Site was investigated during CERCLA Remedial Investigation and was assigned a low priority (no RA likely) per the Dunn Field Record of Decision. No further action is required for this site; however, it is located in an area where land use controls will apply.

COMMENTS:

REFERENCES: RFA Report, January 1990; page 20 of 60 Dunn Field RI Report, Rev. 2, July 2002; Section 8, Table 8-1 Dunn Field RI Report, Rev. 2, July 2002; Section 17.1, page 17-1 Dunn Field RI Report, Rev. 2, July 2002; Section 9.7, page 9-13

BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.3, page 3-28, 3-29

BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Table 3-6, page 4 of 77

Dunn Field Record of Decision, February 2004, Rev. 2; Section 2.7.1.5, page 2-26

Dunn Field Record of Decision, February 2004, Rev. 2; Table 2-2, page 1 of 3

UNIT NUMBER: 21

UNIT NAME: XXCC-3 Probable Burial Site

TYPE OF UNIT: Burial Ground

UNIT LOCATION: The unit is located location is adjacent to the east boundary and 350 feet from the north boundary of the Dunn Field area. This unit is located in the Northeast Open Area of CERCLA Operable Unit 1, Dunn Field.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: Two trenches, each approximately 260 feet by 25 feet. The maximum burial depth in the Dunn Field area was 10 feet.

FUNCTION OF UNIT: Impregnite (XXCC-3) and clothing treated with Impregnite were buried in this area.

DATE(S) OF OPERATION: Unknown

DESCRIPTION OF WASTES (include hazardous constituents if known): CC-2, an unstable organic compound, was produced by DuPont during the 1940s and 1950s, and was stabilized with zinc oxide to create XXCC-3, or Impregnite. CC-2 is finely ground N-bis (2,4,6-trichlorophenyl) dichlorourea. It deteriorates upon exposure to water. Impregnite was used in protective clothing to protect personnel from chemical warfare agents.

HAS A RELEASE OCCURRED? () Yes () No () Suspected (X) Unknown

RELEASE DATA: N/A

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Site was investigated during CERCLA Remedial Investigation and was assigned a low priority (no RA likely) per the Dunn Field Record of Decision. No further action is required for this site.

COMMENTS:

REFERENCES:

RFA Report, January 1990; page 21 of 60 Dunn Field RI Report, Rev. 2, July 2002; Section 8, Table 8-1 Dunn Field RI Report, Rev. 2, July 2002; Section 17.1, page 17-1 Dunn Field RI Report, Rev. 2, July 2002; Section 9.7, page 9-13 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.3, page 3-29 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Table 3-6, page 4 of 77 Dunn Field Record of Decision, February 2004, Rev. 2; Section 2.7.1.5, page 2-26 Dunn Field Record of Decision, February 2004, Rev. 2; Table 2-2, page 1 of 3

UNIT NUMBER: 22

UNIT NAME: Hardware Burial Site

TYPE OF UNIT: Burial Ground

UNIT LOCATION: The unit is located 1,100 feet from the north boundary of Dunn Field, and 300 feet from the west boundary. The site is located in the Disposal Area of CERCLA Operable Unit 1, Dunn Field.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: Burial area approximately 40 feet by 10 feet. The maximum burial depth was 10 feet in the Dunn Field area.

FUNCTION OF UNIT: Three truck loads of discarded nuts and bolts were buried in this area.

DATE(S) OF OPERATION: May 1977

DESCRIPTION OF WASTES (include hazardous constituents if known): Discarded nuts and bolts.

HAS A RELEASE OCCURRED? () Yes () No () Suspected (X) Unknown

RELEASE DATA: N/A

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Site was investigated during CERCLA Remedial Investigation and was assigned a low priority (no RA likely) per the Dunn Field Record of Decision. No further action is required for this site; however, it is located in the Dunn Field disposal area where land use controls will apply.

COMMENTS: Designated as "No Further Action" in the RFA

REFERENCES: RFA Report, January 1990; page 22 of 60 Dunn Field RI Report, Rev. 2, July 2002; Section 8, Table 8-1 Dunn Field RI Report, Rev. 2, July 2002; Section 10.6, page 10-20 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.4, page 3-87 Dunn Field Record of Decision, February 2004, Rev. 2; Table 2-2, page 1 of 3

UNIT NUMBER: 23

UNIT NAME: Construction Debris and Foods Burial Site

TYPE OF UNIT: Burial Ground

UNIT LOCATION: The unit is approximately 175 feet from the west boundary and 1,000 feet from the south boundary of Dunn Field. The unit is located in the Disposal Area of CERCLA Operable Unit 1, Dunn Field.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: Burial site of unknown dimensions. The maximum burial depth was 10 feet in the Dunn Field area.

FUNCTION OF UNIT: This unit of unknown dimensions was used for the disposal of discarded foods and burned construction debris. Later, the unit was filled in with soil and used for the storage of bauxite.

DATE(S) OF OPERATION: 1948

DESCRIPTION OF WASTES (include hazardous constituents if known): Discarded foods and construction debris.

HAS A RELEASE OCCURRED? () Yes () No () Suspected (X) Unknown

RELEASE DATA: N/A

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Site was investigated during CERCLA Remedial Investigation and was assigned a low priority (no RA likely) per the Dunn Field Record of Decision. No further action is required for this site; however, it is located in the Dunn Field disposal area where land use controls will apply.

COMMENTS: Designated as "No Further Action" in the RFA

REFERENCES:

RFA Report, January 1990; page 22 of 60 Dunn Field RI Report, Rev. 2, July 2002; Section 8, Table 8-1 Dunn Field RI Report, Rev. 2, July 2002; Section 10.6, page 10-20 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.4, page 3-87 Dunn Field Record of Decision, February 2004, Rev. 2; Table 2-2, page 1 of 3

UNIT NUMBER: 24

UNIT NAME: Former Miscellaneous Burn Site/Bomb Casing Neutralization Pit and Burial Site

TYPE OF UNIT: Open burning area and burial site

UNIT LOCATION: The approximate location of the unit is 260 feet from the west boundary and 350 feet from the south boundary of Dunn Field. The site is located within the Stockpile Area of CERCLA Operable Unit 1, Dunn Field.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: Open burning and burial area of unknown dimensions.

FUNCTION OF UNIT: This unit was initially identified in the RFA as an open burning area for construction debris and other unknown materials. This unit was later determined to include areas for the neutralization of mustard agent and the burial of 29 bomb casings that were used to transport mustard agent from Germany to the U.S. after World War II.

DATE(S) OF OPERATION: 1946

DESCRIPTION OF WASTES (include hazardous constituents if known): Probable construction debris, bomb casings and mustard agent degradation by-products

HAS A RELEASE OCCURRED? (X) Yes () No () Suspected () Unknown

RELEASE DATA: In 1946, 29 leaking bomb casings containing sulfur mustard were drained into a pit and the agent was neutralized by a chlorinated lime (supertropical bleach) slurry. The drained bomb casings were placed in a separate burial area and destroyed by dynamite.

MEDIA AFFECTED: Soil

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Beginning in August 2000 all 29 bomb casings were recovered from the burial site. No mustard or other chemical warfare material was discovered; however, 900 cubic yards of soil contaminated with mustard degradation by-products were excavated and disposed offsite. In November 2000, the CERCLA Removal Action was complete.

Beginning in November 2000, 33 cubic yards of soil contaminated with mustard and degradation by-products were excavated from the neutralization pit and disposed offsite. In March 2001, the CERCLA Removal Action was complete.

No further action is required for this site; however it is located in a section of the Dunn Field stockpile area where land use controls will apply

COMMENTS:

REFERENCES:

RFA Report, January 1990; page 24 of 60 Dunn Field RI Report, Rev. 2, July 2002; Section 10.2.1 page 10-5 Engineering Evaluation/Cost Analysis for the Removal of Chemical Warfare Material, June 1999 Final Chemical Warfare Materiel Investigation/Removal Action Report, December 2001 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3, page 3-86-87 Dunn Field Record of Decision, February 2004, Rev. 2; Section 2.4.1.2, page 2-6 Dunn Field Record of Decision, February 2004, Rev. 2; Table 2-2, page 2, 3 of 3

UNIT NUMBER: 25

UNIT NAME: Golf Course Pond

TYPE OF UNIT: Stormwater Run-Off Pond

UNIT LOCATION: The unit is located on the northeast corner of the golf course south of Building 270. The site is within Functional Unit 2 and CERCLA Operable Unit 3 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: The unit consists of an unlined manmade pond approximately 75 feet wide and 125 feet long with an earthen dam.

FUNCTION OF UNIT: The unit receives run-off from the golf course and the southeastern portion of the Main Installation.

DATE(S) OF OPERATION: 1940's to present

DESCRIPTION OF WASTES (include hazardous constituents if known): Contaminants within surface water run-off.

HAS A RELEASE OCCURRED? (X) Yes () No () Suspected () Unknown

RELEASE DATA: Constituents of potential concern (COPCs) were not identified in the soil and surface water. COPCs (pesticides) were detected in the sediment.

MEDIA AFFECTED: Sediment

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: This unit is located in Functional Unit 2 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: This area was originally identified as a SWMU; however, based on regulatory guidance, it likely would be designated as an AOC.

REFERENCES:

RFA Report, January 1990; page 25 of 60 Main Installation RI Report, January 2000; Section 12.3, page 12-4 Main Installation RI Report, January 2000; Section 15.1.3.2, page 15-5 Main Installation RI Report, January 2000; Section 15.2.2, page 15-6 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.4, page 3-31 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

UNIT NUMBER: 26

UNIT NAME: Lake Danielson

TYPE OF UNIT: Stormwater Run-Off Pond

UNIT LOCATION: The unit is located in the northwest corner of the golf course, just east of Buildings 470 and 489. The site is within Functional Unit 2 and CERCLA Operable Unit 3 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: The unit consists of an unlined man-made pond approximately 3.5 acres in size and up to 15 feet deep.

FUNCTION OF UNIT: The unit receives run-off from the central portion of the facility. Water flows out of the unit through a drop pipe to the Lake Danielson Outlet Ditch (AOC B). Water within the unit is also used for fire fighting exercises.

DATE(S) OF OPERATION: 1940's to present

DESCRIPTION OF WASTES (include hazardous constituents if known): Contaminants within surface water run-off

HAS A RELEASE OCCURRED? (X) Yes () No () Suspected () Unknown

RELEASE DATA: Constituents of potential concern (COPCs) were not identified in the soil and surface water. COPCs (pesticides) were detected in the sediment.

MEDIA AFFECTED: Sediment

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: This unit is located in Functional Unit 2 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: This area was originally identified as a SWMU; however, based on regulatory guidance, it likely would be designated as an AOC.

REFERENCES:

RFA Report, January 1990; page 26 0f 60 Main Installation RI Report, January 2000; Section 12.3, page 12-4 Main Installation RI Report, January 2000; Section 15.1.3.2, page 15-5 Main Installation RI Report, January 2000; Section 15.2.2, page 15-6 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.4, page 3-30, 3-31 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

UNIT NUMBER: 27

UNIT NAME: Former Recoup Area

TYPE OF UNIT: Hazardous Material and Waste Handling Area

UNIT LOCATION: The unit is located at the southeast corner of Building S-873, which is in the southwest portion of the Main Installation. The site is within Functional Unit 3 and CERCLA Operable Unit 2 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: Gravel area, which includes Building S-873, an opensided, metal-roofed shed.

FUNCTION OF UNIT: Prior to the construction of Building S-873, an open-sided metal-roofed shed in 1987/88, an area encompassing the southeast corner of the building and the gravel parking area to the east was used for repackaging damaged and leaking containers of hazardous and non-hazardous materials.

DATE(S) OF OPERATION: 1942 to about 1987

DESCRIPTION OF WASTES (include hazardous constituents if known): Unknown, however, a wide variety of both hazardous and non-hazardous solids and liquids were handled at the site.

HAS A RELEASE OCCURRED? (X) Yes () No () Suspected () Unknown

RELEASE DATA: Pesticide contaminated soil (resulting from previous spills) was removed in 1985.

MEDIA AFFECTED: Soil

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Contaminated soil was removed in 1985 as part of pre- Remedial Investigation activities. No further action is required for this site; however, it is located in Functional Unit 2 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS:

REFERENCES:

Summary Report, On-Site Remedial Activities at the DDMT, February 1986 RFA Report, January 1990 Main Installation RI Report; Section 16.3.1, page 16-3 Main Installation RI Report; Section 19.1.3.2, page 19-5 Main Installation RI Report; Section 19.2.2, page 19-6 BRAC Clean-up Plan; Section 3.4.4, page 3-54 Main Installation Record of Decision - Rev. 2; Section 2.11.1, page 2-40

UNIT NUMBER: 28

UNIT NAME: Recoup Area Building

TYPE OF UNIT: Hazardous Materials and Waste Handling Area

UNIT LOCATION: The unit was located in Building 865 in the west-central portion of the Main Installation. The site is within Functional Unit 4 and CERCLA Operable Unit 4 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: The building was concrete block construction with a poured concrete floor that had a chemical-resistant coating. All of the hazardous materials-handling areas were berrined to contain spills.

FUNCTION OF UNIT: The purpose of the unit was to store damaged or leaking containers of hazardous materials. There were separate bays for each waste type, until they could be repackaged as a product or waste. The repackaging was also performed in the "work room" at the unit.

DATE(S) OF OPERATION: 1986 to 1997

DESCRIPTION OF WASTES (include hazardous constituents if known): A wide variety of hazardous materials or wastes were potentially handled at the DDMT facility.

HAS A RELEASE OCCURRED? () Yes () No (X) Suspected () Unknown

RELEASE DATA: The Main Installation CERCLA Remedial Investigation Report indicated that groundwater beneath subparcel 32.3, which includes Unit 28, contains VOCs.

MEDIA AFFECTED: Groundwater, Soil (potentially)

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: No further action is required for this site; however, it is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: Designated as "No Further Action" in the RFA

REFERENCES:

RFA Report, January 1990; page 28 of 60 Main Installation RI Report, January 2000; Section 20.3.10, page 20-7 Main Installation RI Report, January 2000; Section 23.1.3.2, page 23-7, 23-8 Main Installation RI Report, January 2000; Section 23.2.1, page 23-7 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.4, page 3-73, 3-74 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

UNIT NUMBER: 29

UNIT NAME: Former Underground Waste Oil Storage Tank

TYPE OF UNIT: Waste Collection Unit

UNIT LOCATION: The unit is located near the northeast corner of B-1086. The site is within Functional Unit 3 and CERCLA Operable Unit 2 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: 1000-gallon underground waste oil tank. The unit was associated with a former vehicle grease rack.

FUNCTION OF UNIT: Likely waste engine oil collection

DATE(S) OF OPERATION: Unknown, probably 1940's to 1950's

DESCRIPTION OF WASTES (include hazardous constituents if known): Waste (used) motor oil and lubricants.

HAS A RELEASE OCCURRED? () Yes () No (X) Suspected () Unknown

RELEASE DATA: The UST was believed to have been removed previously, but it was found during the removal of an adjacent hydraulic lift. Approximately 800 gallons of fluid was in the tank. The tank and surrounding soil were excavated and disposed as special waste at an off-site facility; the liquid was TCLP hazardous due to lead, pesticides and VOCs and was shipped to an off-site RCRA-permitted facility for disposal. The Main Installation Remedial Investigation Report indicated that groundwater beneath subparcel 35.2, which includes Unit 29, contains VOCs.

MEDIA AFFECTED: Groundwater, Soil

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: The tank was located and removed during a CERCLA Removal Action in 2000; the contaminated soils were disposed as special waste and the tank contents were disposed as RCRA hazardous waste. This unit is located in Functional Unit 3 on the Main Installation for which the selected CERCLA remedy includes land use controls. This unit overlies the groundwater treatment area of Functional Unit 7, Groundwater at the Main Installation, where enhanced bioremediation was selected as the CERCLA remedy.

COMMENTS:

REFERENCES:

RFA Report, January 1990; page 29 of 60

Final Engineering Evaluation/Cost Analysis Old Paint Shop and Maintenance Areas Parcels 35 and 28, August 1999 Remediation Report Removal Action in Parcels 35 and 28 (Old Paint Shop and Maintenance Area), September 2000 Main Installation RI Report, January 2000; Table 1-2, page 1-13

Main Installation RI Report, January 2000; Section 19.1.3.2, page 19-5

Main Installation RI Report, January 2000; Section 19.2.2, page 19-6

BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-76

Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

UNIT NUMBER: 30

UNIT NAME: Paint Spray Booths (3)

TYPE OF UNIT: Waste Collection Area (Paint Filters)

UNIT LOCATION: The paint booths were located inside Buildings 1086, 770 and 260. The filters were located on the back or side walls of the three paint booths. The unit is within Functional Units 3 and 6 and CERCLA Operable Units 2 and 3 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: The filter area varied from 8 feet wide by 10 feet tall in B-770, to 24 feet wide by 10 feet tall in B-260.

FUNCTION OF UNIT: Paint from spraying operations passed through the filters as a result of forced air caused by a fan and vent system located on the opposite side of the filter. Discarded filters were placed in dumpsters and discarded as non-hazardous waste.

DATE(S) OF OPERATION: 1086: Unknown - 1997; 770: Unknown - 1995; 260: Unknown - 1995

DESCRIPTION OF WASTES (include hazardous constituents if known): Used paint from spraying operations.

HAS A RELEASE OCCURRED? () Yes () No () Suspected (X) Unknown

RELEASE DATA: N/A

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: No further action is required for this unit; however, it is located in Functional Units 3 and 6 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: Designated as "No Further Action" in the RFA

REFERENCES:

RFA Report, January 1990; page 30 of 60 Main Installation RI Report, January 2000; Table 1-2, page 1-13, 1-14 Main Installation RI Report, January 2000; Section 19.1.3.2, page 19-5 and Section 31.2.1, Page 31-5, 31-6 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-61, 3-62 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

UNIT NUMBER: 31

UNIT NAME: Former Paint Spray Booth

TYPE OF UNIT: Waste Collection System

UNIT LOCATION: The filter area was located on the back wall of the spray booth in Building 1087. Building 1087 is at the southwest corner of the main installation. The site is within Functional Unit 3 and CERCLA Operable Unit 2 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: The water wash system had a tank from which water was pumped to filter bags and used to remove paint from the air as it blew through the filters. The water was usually recirculated for a period of time and then disposed.

FUNCTION OF UNIT: Remove paint residue from air using wash water and filters.

DATE(S) OF OPERATION: Unknown – 1997. Building was demolished in 1997.

DESCRIPTION OF WASTES (include hazardous constituents if known): Wastewater containing used paint residue.

HAS A RELEASE OCCURRED? () Yes () No (X) Suspected () Unknown

RELEASE DATA: Elevated levels of lead were detected in parcel 35.4, which includes Unit 31, as documented in the Main Installation Remedial Investigation. The MI Remedial Investigation also indicated that groundwater beneath subparcel 35.4 contains VOCs.

MEDIA AFFECTED: Soil, Groundwater

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Building 1087 was decontaminated by vacuuming to remove free dust and pressure washing. The surface soil outside the building was excavated to a depth of one foot and replaced with clean backfill. The excavated soil was disposed off-site as special waste. This CERCLA Removal Action was completed in 2000.

No further action is required for this site; however, it is located in Functional Unit 3 on the Main Installation for which the selected CERCLA remedy includes land use controls. This unit overlies the groundwater treatment area of Functional Unit 7, Groundwater at the Main Installation, where enhanced bioremediation was selected as the CERCLA remedy.

COMMENTS:

REFERENCES:

RFA Report, January 1990; page 31 of 60 Final Engineering Evaluation/Cost Analysis Old Paint Shop and Maintenance Areas Parcels 35 and 28, August 1999 Remediation Report Removal Action in Parcels 35 and 28 (Old Paint Shop and Maintenance Area), September 2000 Main Installation RI Report, January 2000; Table 1-2, page 1-13 Main Installation RI Report, January 2000; Section 19.1.3.2, page 19-5 Main Installation RI Report, January 2000; Section 19.2.2, page 19-6 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-77 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

UNIT NUMBER: 32

UNIT NAME: Sandblasting Waste Accumulation Area

TYPE OF UNIT: Waste Collection Area

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UNIT LOCATION: The unit is located in the southeastern corner of the main installation, adjacent to Building 1088 (sandblasting area). The site is within Functional Unit 3 and CERCLA Operable Unit 2 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: The unit consisted of a corrugated steel shed with a gravel floor. There were three hoppers to collect the dust from sandblasting operations and direct it into 55-gallon drums. The drums were open and rested on wood pallets. When the drums were full, they were placed in the sandblasting Drum Storage Area (SWMU NO. 33) until the wastes were analyzed for EP Toxic metals and disposed of offsite. Prior to the use of B-1088 and the Hopper System, sandblasting operations were performed on the open ground in the general vicinity of B-1087.

FUNCTION OF UNIT: Collection and temporary storage of dust/particulates from sandblasting operations.

DATE(S) OF OPERATION: Unknown; sandblasting occurred since the 1940's; Building 1088 was demolished in 1997.

DESCRIPTION OF WASTES (include hazardous constituents if known): Sandblasting grit, paint chips and metals

HAS A RELEASE OCCURRED? () Yes () No (X) Suspected () Unknown

RELEASE DATA: Soil with elevated levels of lead, chromium, arsenic, and PAHs were removed from this area in August 2000. The Main Installation Remedial Investigation indicated that groundwater beneath subparcel 35.5, which includes Unit 32, contains VOCs.

MEDIA AFFECTED: Groundwater, Soil

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Building 1088 was decontaminated by vacuuming to remove free dust and pressure washing. The surface soil outside the building was excavated to a depth of one foot and replaced with clean backfill. The excavated soil was disposed off-site as special waste. This CERCLA Removal Action was completed in 2000.

No further action is required for this site; however, it is located in Functional Unit 3 on the Main Installation for which the selected CERCLA remedy includes land use controls. This unit overlies the groundwater treatment area of Functional Unit 7, Groundwater at the Main Installation, where enhanced bioremediation was selected as the CERCLA remedy.

COMMENTS:

REFERENCES:

RFA Report, January 1990; page 32 of 60 Final Engineering Evaluation/Cost Analysis Old Paint Shop and Maintenance Areas Parcels 35 and 28, August 1999 Remediation Report Removal Action in Parcels 35 and 28 (Old Paint Shop and Maintenance Area), September 2000 Main Installation RI Report, January 2000; Table 1-2, page 1-13 Main Installation RI Report, January 2000; Section 19.1.3.2, page 19-5 Main Installation RI Report, January 2000; Section 19.2.2, page 19-6 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-77, 3-78 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

UNIT NUMBER: 33

UNIT NAME: Sandblasting Waste Drum Storage Area

TYPE OF UNIT: Waste Accumulation Area

UNIT LOCATION: The unit is located just south of Building B-1088 (sandblasting area) in the southwest corner of the main installation. The site is within Functional Unit 3 and CERCLA Operable Unit 2 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: The unit consisted of an open-sided, metal roof shed with a gravel floor. There were approximately 33 drums stored at the unit during the RFA in 1990. The drums were stacked in a double high row approximately 25 feet long and 4 feet wide. The drums were sealed and rested on pallets with another set of pallets between the rows. The drums had been accumulating for approximately two years. At the time of the RFA, all drums were in good condition.

FUNCTION OF UNIT: Storage of dust/particulates from sandblasting operations.

DATE(S) OF OPERATION: Unknown - 1997. Building was demolished in 1997.

DESCRIPTION OF WASTES (include hazardous constituents if known): Sandblasting grit, paint chips, and metals.

HAS A RELEASE OCCURRED? () Yes () No (X) Suspected () Unknown

RELEASE DATA: The MI RI indicated that groundwater beneath subparcel 35.4, which includes Unit 33, contains VOCs.

MEDIA AFFECTED: Groundwater, Soil

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: The surface soil in this area was excavated to a depth of one foot and replaced with clean backfill. The excavated soil was disposed off-site as special waste. This CERCLA Removal Action was completed in 2000.

No further action is required for this site; however, it is located in Functional Unit 3 on the Main Installation for which the selected CERCLA remedy includes land use controls. This unit overlies the groundwater treatment area of Functional Unit 7, Groundwater at the Main Installation, where enhanced bioremediation was selected as the CERCLA remedy.

COMMENTS: Designated as "No Further Action" in the RFA

REFERENCES:

RFA Report, January 1990; page 33 of 60 Final Engineering Evaluation/Cost Analysis Old Paint Shop and Maintenance Areas Parcels 35 and 28, August 1999 Remediation Report Removal Action in Parcels 35 and 28 (Old Paint Shop and Maintenance Area), September 2000 Main Installation RI Report, January 2000; Table 1-2, page 1-13 Main Installation RI Report, January 2000; Section 19.1.3.2, page 19-5 Main Installation RI Report, January 2000; Section 19.2.2, page 19-6 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-77 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

UNIT NUMBER: 34

UNIT NAME: Building 770 Underground Waste Oil Storage Tanks (2)

TYPE OF UNIT: Underground Waste Oil Storage Tank

UNIT LOCATION: The unit was located in the vehicle maintenance shop, in the west central area of the Main Installation. The site is within Functional Unit 3 and CERCLA Operable Unit 2 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: Two 1,000-gallon underground steel tanks.

FUNCTION OF UNIT: Storage of waste motor oil from vehicles.

DATE(S) OF OPERATION: 1960's - 1989.

DESCRIPTION OF WASTES (include hazardous constituents if known): Waste motor oil and lubricants.

HAS A RELEASE OCCURRED? (X) Yes () No () Suspected () Unknown

RELEASE DATA: The Main Installation Remedial Investigation indicated that surface soil samples at Unit 34 contained metals, and SVOCs above screening criteria and/or background levels. The investigation also indicated that groundwater beneath subparcel 24.3, which includes Unit 34, contains VOCs.

MEDIA AFFECTED: Soil, Groundwater

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: The underground storage tanks were removed in 1989. This unit is located in Functional Unit 3 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS:

REFERENCES:

RFA Report, January 1990; page 34 of 60 Main Installation RI Report, January 2000; Table 1-2, page 1-13 Main Installation RI Report, January 2000; Section 19.1.3.2, page 19-5 Main Installation RI Report, January 2000; Section 19.1.3.3, page 19-5 Main Installation RI Report, January 2000; Section 19.2.2, page 19-6 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-67 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40 Main Installation RI Report, January 2000; Section 16.3.3, page 16-4

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UNIT NUMBER: 35

UNIT NAME: Building T-308 Hazardous Waste Storage Area

TYPE OF UNIT: Hazardous Waste Storage Area

UNIT LOCATION: The unit was located along the north side of the main installation. The site is within Functional Unit 4 and CERCLA Operable Unit 4 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: The unit consisted of a wood frame, tin sided and roofed building approximately 90 feet long and 40 feet wide. The unit had an unlined concrete floor and a 2-foot high concrete berm/foundation on all sides, except the two doors, which had 3-inch concrete or asphalt dikes across them. Wastes were stored on pallets and separated by waste type; no berms existed between the different wastes. The concrete floor contained several long stress cracks, storm water run-off from this unit flowed toward the DRM0 Drainage Ditch (AOC E) and the North Run-off area (AOC F).

FUNCTION OF UNIT: Hazardous Waste Storage

DATE(S) OF OPERATION: From as late as 1966. In 2001, the Depot completed an interim decontamination project at Building 308 as part of its RCRA permit closure process. The building is no longer present.

DESCRIPTION OF WASTES (include hazardous constituents if known): Flammables, caustics, acids.

HAS A RELEASE OCCURRED? () Yes () No () Suspected (X) Unknown

RELEASE DATA: N/A

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: No further action is required for this unit; however, it is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: Designated as "No Further Action" in the RFA

REFERENCES: RFA Report, January 1990; page 35 of 60 Main Installation RI Report, January 2000; Section 20.3.1, page 20-5 Main Installation RI Report, January 2000; Section 23.1.3.2 and 23.2, page 23-7, 23-8 Main Installation RI Report, January 2000; Section 23.2.1, page 23-7 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.4, page 3-41 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

UNIT NUMBER: 36

UNIT NAME: DRMO Hazardous Waste Concrete Storage Pad

TYPE OF UNIT: Hazardous Waste Storage Area

UNIT LOCATION: The unit is located along the north edge of the main installation, just west of Building T-308. The site is within Functional Unit 4 and CERCLA Operable Unit 4 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: The unit consists of a concrete pad approximately 300 feet along and 60 feet wide. The concrete is uncoated and does not have a berm at the edge. The drums were stored on pallets and covered with canvas held down by wood pallets.

FUNCTION OF UNIT: Drum storage area for drummed hazardous waste or hazardous materials whose shelf life had expired. The drums were stored until they sold or transported off-site to a licensed hazardous waste disposal facility.

DATE(S) OF OPERATION: From as late as 1966 to 1997

DESCRIPTION OF WASTES (include hazardous constituents if known): The unit managed a wide variety of hazardous wastes and hazardous materials.

HAS A RELEASE OCCURRED? (X) Yes () No () Suspected () Unknown

RELEASE DATA: The Main Installation Remedial Investigation indicated the presence of inorganics, SVOCs, organochlorine, pesticides and dioxins above screening criteria and/or background in soil at this unit.

MEDIA AFFECTED: Soil

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: This unit is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: Designated as "No Further Action" in the RFA

REFERENCES:

RFA Report, January 1990; page 36 of 60 Main Installation RI Report, January 2000; Section 20.3.2, page 20-5 Main Installation RI Report, January 2000; Section 23.1.3.2 and 23.2, page 23-7, 23-8 Main Installation RI Report, January 2000; Section 23.2.1, page 23-7 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.4, page 3-42 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

UNIT NUMBER: 37

UNIT NAME: DRMO Hazardous Waste Gravel Storage Pad

TYPE OF UNIT: Hazardous Waste Storage Area

UNIT LOCATION: The unit is located along the northern boundary of the main installation, west of Building T-308. The site is within Functional Unit 4 and CERCLA Operable Unit 4 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: The unit is a flat, graveled area approximately 800 feet long by 200 feet wide.

FUNCTION OF UNIT: Drum storage area for drummed hazardous waste material. The wastes were brought to the unit from the supply depot and other federal facilities. The wastes were separated by type and stored until they can be sold or properly manifested and shipped to a licensed hazardous waste facility.

DATE(S) OF OPERATION: From as late as 1966 to 1997

DESCRIPTION OF WASTES (include hazardous constituents if known): The unit managed a wide variety of hazardous wastes or hazardous materials.

HAS A RELEASE OCCURRED? () Yes () No () Suspected (X) Unknown

RELEASE DATA: The Main Installation Remedial Investigation indicated that constituent levels exceeded screening criteria at subparcel 15.5, which includes Unit 37.

MEDIA AFFECTED: Soil

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: This unit is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS:

REFERENCES:

RFA Report, January 1990; page 37 of 60 Main Installation RI Report, January 2000; Section 20.3.1, page 20-5 Main Installation RI Report, January 2000; Section 23.2.1, page 23-7 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.4, page 3-42 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

UNIT NUMBER: 38

UNIT NAME: DRMO Damaged and Empty Hazardous Materials Drum Area

TYPE OF UNIT: Hazardous Waste Storage Area

UNIT LOCATION: The unit is located along the north edge of the main installation. The site is within Functional Unit 4 and CERCLA Operable Unit 4 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: The unit consisted of empty drums, possibly containing hazardous residues, stored on pallets on gravel.

FUNCTION OF UNIT: Damaged drums containing hazardous materials were taken to the Recoup Area Building (SWMU NO. 27) where they were emptied into new containers. The damaged drums (potentially with hazardous residues) were then stored at this unit until they could be properly manifested and shipped to a licensed hazardous waste facility for disposal.

DATE(S) OF OPERATION: Unknown to 1997

DESCRIPTION OF WASTES (include hazardous constituents if known): Various hazardous material residue.

HAS A RELEASE OCCURRED? () Yes () No (X) Suspected () Unknown

RELEASE DATA: The Main Installation Remedial Investigation indicated that constituent levels exceeded screening criteria at subparcel 15.5, which includes Unit 38.

MEDIA AFFECTED: Soil

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: This unit is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS:

REFERENCES:

RFA Report, January 1990; page 38 of 60 Main Installation RI Report, January 2000; Section 20.3.1, page 20-5 Main Installation RI Report, January 2000; Section 23.2.1, page 23-7 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.4, page 3-42 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

UNIT NUMBER: 39

UNIT NAME: DRMO Damaged and Empty Lubricant Container Area

TYPE OF UNIT: Storage area

UNIT LOCATION: The unit is located along the north boundary of the main installation, adjacent to the hazardous DRMO Waste Gravel Storage Pad (SWMU NO. 37). The site is within Functional Unit 4 and CERCLA Operable Unit 4 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: The unit had two storage areas separated by approximately 30 yards. The first area contained damaged lubricant containers in a variety of sizes on pallets on the gravel pad. The second area was used to store empty oil drums.

FUNCTION OF UNIT: Storage area for lubricant containers and oil drums. Damaged containers were sold or properly disposed; empty drums were sold.

DATE(S) OF OPERATION: Unknown to 1997

DESCRIPTION OF WASTES (include hazardous constituents if known): Motor oil, grease, and hydraulic fluid.

HAS A RELEASE OCCURRED? () Yes () No (X) Suspected () Unknown

RELEASE DATA: During the RFA, stained gravel was observed and some containers were observed to be stored upside down for drainage. The Main Installation Remedial Investigation indicated that constituent levels exceeded screening criteria at subparcel 15.5, which includes Unit 37.

MEDIA AFFECTED: Soil

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: This unit is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS:

REFERENCES:

RFA Report, January 1990; page 39 of 60 Main Installation RI Report, January 2000; Section 20.3.1, page 20-5 Main Installation RI Report, January 2000; Section 23.2.1, page 23-7 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.4, page 3-42 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

UNIT NUMBER: 40

UNIT NAME: Safety-Kleen Units (9)

TYPE OF UNIT: Solvent Parts Cleaning Stations

UNIT LOCATION: Buildings 253, 469, 490, 689, and 770. This sites are within Functional Units 3, 5, and 6 and CERCLA Operable Units 2 and 3 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: The units consisted of steel holding tanks, supported by steel legs of variable size, ranging from 20 to 40 gallons in volume, and all of which were located in buildings.

FUNCTION OF UNIT: Solvent parts cleaning stations. All tanks were self-contained, and spent solvent was recirculated before periodic replacement. The units were leased and maintained by the Safety-Kleen Corporation.

DATE(S) OF OPERATION: 1985 to 1997

DESCRIPTION OF WASTES (include hazardous constituents if known): Safety-Kleen's carburetor and cold part cleaner 609 contained 11.9% cresylic acids, 31.7% methylene chloride, and 81.3% ortho-di-chlorobenzene

HAS A RELEASE OCCURRED? () Yes () No () Suspected (X) Unknown

RELEASE DATA: The Safety-Kleen unit in Building 253 was associated with a spill noted during removal of the unit. Absorbent was applied at the release and the material was disposed properly

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: No further action is required for these units; however, they were located in Functional Units 3, 5 and 6 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: Designated as "No Further Action" in the RFA. These units were originally identified as a SWMU; however, based on regulatory guidance, they likely would not be designated as such.

REFERENCES:

RFA Report, January 1990; page 40 of 60 Main Installation RI Report, January 2000; Table 1-2, page 1-13 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.4 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

UNIT NUMBER: 41

UNIT NAME: Satellite Drum Accumulation Areas (5)

TYPE OF UNIT: Satellite Accumulation Area(s)

UNIT LOCATION: These areas were within Buildings 770, T771, 260, 469, and 210 in Functional Units 3, 4, 5, and 6 and CERCLA Operable Units 2, 3, and 4 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: All areas within this unit are located inside the above listed buildings all with a concrete floor.

FUNCTION OF UNIT: Accumulation of RCRA hazardous waste and temporary storage for drums of varying sizes. The drums were used to collect discarded wastes in four different areas of the facility. All wastes collected in these areas were transported to the DRMO, prior to off-site disposal.

DATE(S) OF OPERATION: 1985 to 1997

DESCRIPTION OF WASTES (include hazardous constituents if known): Waste solvents, waste paint, waste paint thinner, solvent rags, sulfuric acid, and empty product containers.

HAS A RELEASE OCCURRED? () Yes () No () Suspected (X) Unknown

RELEASE DATA: The MI RI indicates that groundwater beneath subparcels 4.4 and 24.3, which includes areas of Unit 41, contains VOCs.

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: The units were located in Functional Units 1, 3, 5 and 6 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: Designated as "No Further Action" in the RFA

REFERENCES: RFA Report, January 1990; page 42 of 60 Main Installation RI Report, January 2000; Table 1-2, page 1-13 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.4 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Table 3-6, page 23 of 77 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

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SWMU/AOC Assessment Report

UNIT NUMBER: 42

UNIT NAME: Former PCP Dip Vat Area

TYPE OF UNIT: Above-Ground Storage Tank

UNIT LOCATION: The unit was located in the northwest portion of the main installation, adjacent to Building S-737. The site is within Functional Unit 4 and CERCLA Operable Unit 4 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: The unit consisted of a large, above-ground, open-top tank of unknown capacity.

FUNCTION OF UNIT: The tank contained a Pentachlorophenol (PCP) solution used to treat (preserve) wood pallets. The pallets were dipped into the tank, then removed and placed into a Drip tank which was part of the unit. The pallets were allowed to drip dry in the Drip Tank for a short period of time. Material in the Drip Tank drained back into the vat.

DATE(S) OF OPERATION: 1942 until late 1970's; peak operation 1965. The dip vat was removed in 1986.

DESCRIPTION OF WASTES (include hazardous constituents if known): Pentachlorophenol (PCP), dioxins, and furans which are in PCP.

HAS A RELEASE OCCURRED? (X) Yes () No () Suspected () Unknown

RELEASE DATA: Soil samples collected beneath this unit in 1985 contained high levels of dioxins and furans. The Main Installation Remedial Investigation indicates that groundwater beneath subparcel 33.9, which includes Unit 42, contains VOCs.

MEDIA AFFECTED: Soil

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: In 1986, the dip vat was removed and the soil was excavated to a depth of 10 feet. Soil with PCP concentrations greater than 200 ppb remained beneath the excavated area. The excavation was backfilled with clean soil and with gravel or concrete placed on top of the clean fill.

No further remedial action is required for this unit. This unit is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS:

REFERENCES: Summary Report, On-Site Remedial Activities at the DDMT, February 1986 RFA Report, January 1990; page 44 of 60 Main Installation RI Report, January 2000; Table 1-2, page 1-13 Main Installation RI Report, January 2000; Section 23.2.1, page 23-7 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-75 Main Installation RI Report, January 2000; Section 20.3.11, page 20-7 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

UNIT NUMBER: 43

UNIT NAME: Former Underground PCP Tank Area

TYPE OF UNIT: Underground Storage Tank

UNIT LOCATION: The unit was located just south of Building 737. The site is within Functional Unit 4 and CERCLA Operable Unit 4 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: The unit consisted of an underground, steel tank of unknown capacity.

FUNCTION OF UNIT: The tank was used to store PCP until it was needed in the Dip Vat. The material was then pumped to the Dip Vat.

DATE(S) OF OPERATION: 1942 until 1985

DESCRIPTION OF WASTES (include hazardous constituents if known): Pentachlorophenol (PCP) which contains dioxins and furans.

HAS A RELEASE OCCURRED? (X) Yes () No () Suspected () Unknown

RELEASE DATA: Soil samples collected adjacent to the unit in 1985 contained high levels of dioxins and furans. The Main Installation Remedial Investigation indicates that groundwater beneath subparcel 33.9, which includes Unit 43, contains VOCs. Soils conatins residual concentrations of PCP greater than 200 parts per billion (ppb).

MEDIA AFFECTED: Soil, Groundwater

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: The tank was brought above ground in 1986 and drained into drums. The soil around the unit was excavated to a depth of 10 to 15 feet, 20 feet wide and 22 feet long. The pumps and lines were also removed. The excavation was backfilled with clean soil and with gravel or concrete placed on top of the clean fill.

No further remedial action is required for this unit. This unit is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: This area was originally identified as a SWMU; however, based on regulatory guidance, it likely would be designated as an AOC.

REFERENCES:

Summary Report, On-Site Remedial Activities at the DDMT, February 1986 RFA Report, January 1990; page 46 of 60 Main Installation RI Report, January 2000; Table 1-2, page 1-13 Main Installation RI Report, January 2000; Section 23.2.1, page 23-7 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-75 Main Installation RI Report, January 2000; Section 20.3.11, page 20-7 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

UNIT NUMBER: 44

UNIT NAME: Former Wastewater Treatment Unit Area

TYPE OF UNIT: Wastewater Treatment

UNIT LOCATION: The unit was located just west of Building S-737. The site is within Functional Unit 4 and CERCLA Operable Unit 4 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: The unit consisted of drums which contained activated carbon.

FUNCTION OF UNIT: Activated carbon was used as a temporary and final treatment for rainwater mixed with PCPcontaminated oil which had accumulated in the Dip Vat, rinsewater from equipment decontamination, and from clean-up operations of the pesticide shop.

DATE(S) OF OPERATION: 1985

DESCRIPTION OF WASTES (include hazardous constituents if known): PCP oil, dioxins and furans mixed with rainwater.

HAS A RELEASE OCCURRED? () Yes () No () Suspected (X) Unknown

RELEASE DATA: Soil samples, taken to a depth of 12 and 18 inches below the unit after use, indicated no contamination.

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: No further action is required for this site; however, it is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: Designated as "No Further Action" in the RFA. This unit was originally identified as a SWMU; however, based on regulatory guidance, it likely would not be designated as such.

REFERENCES:

Summary Report, On-Site Remedial Activities at the DDMT, February 1986 RFA Report, January 1990; page 47 of 60 Main Installation RI Report, January 2000; Table 1-2, page 1-13 Main Installation RI Report, January 2000; Section 23.2.1, page 23-7 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-74 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40
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UNIT NUMBER: 45

UNIT NAME: Former Contaminated Soil Staging Area

TYPE OF UNIT: Storage Area

UNIT LOCATION: The unit was located to the northwest of Building S-737. The site is within Functional Unit 4 of the CERCLA Operable Unit 4 portion of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: The unit consisted of a gravel area approximately 200 feet by 100 feet. There were 39 roll-off containers with a capacity of 24 to 30 cubic yards resting on the gravel.

FUNCTION OF UNIT: The containers were filled with contaminated soil and were staged in this area until an off-site disposal site could be found. The roll-offs were covered and lined with plastic, and the seams were filled with a foam material. The roll-offs were removed to an approved hazardous waste disposal facility in 1988.

DATE(S) OF OPERATION: 1986 to 1988

DESCRIPTION OF WASTES (include hazardous constituents if known): PCP, dioxins and furan-contaminated soil.

HAS A RELEASE OCCURRED? () Yes () No () Suspected (X) Unknown

RELEASE DATA: Soil samples, taken to a depth of 12 and 18 inches below the unit after use, indicated no contamination.

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: No further action is required for this site; however, it is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: Designated as "No Further Action" in the RFA. This unit was originally identified as a SWMU; however, based on regulatory guidance, it likely would not be designated as such.

REFERENCES:

Summary Report, On-Site Remedial Activities at the DDMT, February 1986 RFA Report, January 1990; page 48 of 60 Main Installation RI Report, January 2000; Table 1-2, page 1-13 Main Installation RI Report, January 2000; Section 23.2.1, page 23-7 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-75 Main Installation RI Report, January 2000; Section 20.3.11, page 20-7 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

UNIT NUMBER: 46

UNIT NAME: Former PCP Drying Area

TYPE OF UNIT: Treated Wood Pallet Staging Area

UNIT LOCATION: The unit was located approximately 200 feet north of Building S-737. The site is within Functional Unit 4 of the CERCLA Operable Unit 4 portion of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: The unit consisted of a flat gravel area of about 3.5 acres.

FUNCTION OF UNIT: The site was used as a drying area for wood pallets that had been treated with PCP. The Tennessee Department of Health and Environment allowed the area to be covered with gravel, and no sampling was considered necessary.

DATE(S) OF OPERATION: 1942 to 1985

DESCRIPTION OF WASTES (include hazardous constituents if known): Pentachlorophenol (PCP) which contains dioxins and furans.

HAS A RELEASE OCCURRED? () Yes () No (X) Suspected () Unknown

RELEASE DATA: The Main Installation Remedial Investigation indicated that groundwater beneath subparcel 33.9, which includes Unit 46, contains VOCs.

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: This unit is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS:

REFERENCES: RFA Report, January 1990; page 49 of 60 Main Installation RI Report, January 2000; Table 1-2, page 1-13 Main Installation RI Report, January 2000; Section 23.2.1, page 23-7 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-75 Main Installation RI Report, January 2000; Section 20.3.11, page 20-7 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

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SWMU/AOC Assessment Report

UNIT NUMBER: 47

UNIT NAME: Former Contaminated Soil Drum Storage Area

TYPE OF UNIT: Storage Area

UNIT LOCATION: The unit was located in the southwest part of the main installation, approximately 300 feet west of building 689. The site is within Functional Unit 4 and CERCLA Operable Unit 2 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: The unit consisted of a dirt-covered concrete igloo building which was normally used for explosive storage. The unit had a concrete floor and all of the drainage areas were sealed.

FUNCTION OF UNIT: The unit was used to store approximately 800 drums of soil containing PCP sludges, and contaminated carbon from the cleanup operations at the Former PCP Dip Vat Area (SWMU No. 42). The wastes were shipped to an approved hazardous waste disposal facility in 1988.

DATE(S) OF OPERATION: 1986 to 1988

DESCRIPTION OF WASTES (include hazardous constituents if known): PCP sludges containing dioxins and furans; contaminated activated carbon.

HAS A RELEASE OCCURRED? () Yes () No () Suspected (X) Unknown

RELEASE DATA: N/A

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: No further action is required for this unit; however, it is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: Designated as "No Further Action" in the RFA. This unit was originally identified as a SWMU; however, based on regulatory guidance, it likely would not be designated as such.

REFERENCES:

RFA Report, January 1990; page 50 of 60 Main Installation RI Report, January 2000; Table 1-2, page 1-13 Main Installation RI Report, January 2000; Section 23.2.1, page 23-7 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-74 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

UNIT NUMBER: 48

UNIT NAME: Former PCB Transformer Storage Area

TYPE OF UNIT: Storage Area

UNIT LOCATION: The unit is located just north of the golf course and east of Building S-360. The site is within Functional Unit 6 of the CERCLA Operable Unit 3 portion of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: Dimensions unknown.

FUNCTION OF UNIT: The unit was used to store at least two electrical transformers.

DATE(S) OF OPERATION: Unknown, but the transformers were discovered in 1981 and removed prior to construction of the new cafeteria (Building 274) on the site in 1989.

DESCRIPTION OF WASTES (include hazardous constituents if known): PCB-contaminated oil, less than 50 ppm.

HAS A RELEASE OCCURRED? (X) Yes () No () Suspected () Unknown

RELEASE DATA: Tests of the transformer fluid indicated less than 50 ppm of PCBs. PCBs and dieldrin were detected in surface soil samples in 1997 and soils were excavated later in 1997. PCBs were not detected in two soil samples collected adjacent to this unit during the 1990 RI. The Main Installation Remedial Investigation indicated that groundwater beneath subparcel 5.2, which includes Unit 48, contains VOCs.

MEDIA AFFECTED: Soil

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Site remediation by removal of surface soil was completed in 1998. This unit is located in Functional Unit 6 on the Main Installation for which the selected CERCLA remedy includes land use controls. This unit overlies the groundwater treatment area of Functional Unit 7, Groundwater at the Main Installation, where enhanced bioremediation was selected as the CERCLA remedy.

COMMENTS: This site is not considered to be a source of chlorinated VOCs in groundwater.

REFERENCES:

RFA Report, January 1990; page 51 of 60 Post Removal Report: Contaminated Soil Remediation, Cafeteria Building, March 1999 Main Installation RI Report, January 2000; Table 1-2, page 1-13 Main Installation RI Report, January 2000; Section 31.2, page 31-5,6 Main Installation RI Report, January 2000; Section 28.3.1, page 28-4 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-66 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

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SWMU/AOC Assessment Report

UNIT NUMBER: 49

UNIT NAME: Medical Waste Storage Area

TYPE OF UNIT: Storage Area

UNIT LOCATION: The unit is located near the center of Building 359. The site is within Functional Unit 5 of the CERCLA Operable Unit 3 portion of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: The unit consisted of a concrete-floored storage bay measuring approximately 50 feet long and 30 feet wide in size.

FUNCTION OF UNIT: Expired shelf life medical supplies were stored in the manufacturer's containers on pallets or shelves throughout the unit. Liquid material was normally sent to the sanitary sewer with permission of the sewer authority. Solid material was normally crushed and sent to the sanitary sewer or taken offsite for incineration or disposal.

DATE(S) OF OPERATION: Unknown to 1997. Building 359 was demolished in 1999 during construction of the entrance boulevard.

DESCRIPTION OF WASTES (include hazardous constituents if known): Expired shelf life medical supplies.

HAS A RELEASE OCCURRED? () Yes () No () Suspected (X) Unknown

RELEASE DATA: N/A

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: No further action is required for this unit; however, it is located in Functional Unit 5 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: Designated as "No Further Action" in the RFA.

REFERENCES:

RFA Report, January 1990; page 52 of 60 Main Installation RI Report, January 2000; Table 1-2, page 1-14 Main Installation RI Report, January 2000; Section 27.2, page 27-6 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.4, page 3-44 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

AREA NAME: Dunn Field Drainage Ditch

AREA LOCATION: The area is located in the Dunn Field area, intersecting the eastern half of the area. The site is located within the Northeast Open Area of CERCLA Operable Unit 1, Dunn Field.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: The area is a three-foot wide and two-foot deep concrete channel running south to north, a distance of approximately 1,000 feet.

DATES OF RELEASE(S) (if known): The ditch has been in existence since the 1940's and continues to convey stormwater but there are no known releases from this area.

DESCRIPTION OF CONTAMINANTS: See below.

RELEASE DATA: Contaminant concentrations in samples of surface water and sediment coming onto Dunn Field at Site 50 are equivalent to or greater than concentrations in surface water and sediment leaving Dunn Field. Thus there is no evidence that Site 50 is contributing to offsite contamination.

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Site was investigated during the CERCLA Remedial Investigation and was assigned a low priority (no RA likely) per the Dunn Field Record of Decision. No further action is required for this site; however, it is located in a section of Dunn Field area where land use controls will apply.

COMMENTS: This unit was originally identified as an AOC; however, based on regulatory guidance, it likely would not be designated as such.

REFERENCES:

RFA Report, January 1990; page 53 of 60 Dunn Field RI Report, Rev. 2, July 2002; Section 8, Table 8-1 Dunn Field RI Report, Rev. 2, July 2002; Section 17.1, page 17-1 Dunn Field RI Report, Rev. 2, July 2002; Section 9.7, page 9-13 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-86 Dunn Field Record of Decision, February 2004, Rev. 2; Section 2.7.1.5, page 2-26 Dunn Field Record of Decision, February 2004, Rev. 2; Table 2-2, page 1 of 3

AREA NUMBER: AOC B (51)

AREA NAME: Lake Danielson Outlet Ditch

AREA LOCATION: The area is located at the golf course in the southeast corner of the main installation. The site is within Functional Unit 2 and CERCLA Operable Unit 3 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: The area consists of a concrete-lined channel approximately three feet wide and two feet deep which expands to five feet wide about halfway down its length. The channel runs approximately 400 feet from the lake south to the facility boundary. The ditch receives overflow from Lake Danielson (SWMU No. 26) during high water. The area also receives drainage directly from other areas of the golf course. The channel was originally unlined.

DATES OF RELEASE(S) (if known): The ditch has been in existence since the 1940's and continues to convey stormwater but it is unknown if there have been releases to or from this area.

DESCRIPTION OF CONTAMINANTS: Unknown.

RELEASE DATA: N/A

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: No further action is required for this area; however, it is located in Functional Unit 2 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: This unit was originally identified as an AOC; however, based on regulatory guidance, it likely would not be designated as such.

REFERENCES:

RFA Report, January 1990; page 54 of 60 Main Installation RI Report, January 2000; Section 12.3.5, page 12-5 Main Installation RI Report, January 2000; Section 15.1.3.2, page 15-5 Main Installation RI Report, January 2000; Section 15.2.2, page 15-6 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.4, page 3-31 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

AREA NUMBER: AOC C (52)

AREA NAME: Golf Course Pond Outlet Ditch

AREA LOCATION: This area is located on the golf course in the southeast corner of the main installation. The site is within Functional Unit 2 of the CERCLA Operable Unit 3 portion of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: The area consists of a concrete-lined channel, approximately three feet wide and two feet deep. The area receives overflow from the Golf Course Pond (SWMU No. 25) and surface run-off directly from the golf course. The area runs from the pond south approximately 700 feet to the facility boundary.

DATES OF RELEASE(S) (if known): The ditch has been in existence since the 1940's and continues to convey Stormwater. Specific dates of potential release(s) is unknown.

DESCRIPTION OF CONTAMINANTS: Contaminants potentially present in discharge to ditch. DDE and DDT, zinc

RELEASE DATA: A surface water sample collected from the channel near the facility boundary contained 81 ppb of zinc and trace amounts of DDE and DDT, up to 0.27 ug/l.

MEDIA AFFECTED: Surface water, Sediment

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: No further action is required for this area; however, it is located in Functional Unit 2 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: This unit was originally identified as an AOC; however, based on regulatory guidance, it likely would not be designated as such.

REFERENCES:

RFA Report, January 1990; page 55 of 60 Main Installation RI Report, January 2000; Section 12.3.5, page 12-5 Main Installation RI Report, January 2000; Section 15.1.3.2, page 15-5 Main Installation RI Report, January 2000; Section 15.2.2, page 15-6 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.4, page 3-31 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

AREA NUMBER: AOC D (53)

AREA NAME: X-25 Flammable Solvents Storage Area

AREA LOCATION: A product spill occurred in the northernmost POL concrete, bermed storage area located in the northwest section of the Main Installation. The site is within Functional Unit 4 and CERCLA Operable Unit 4 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: The area measures approximately 175 feet in length and 125 feet in width with a concrete floor that slopes to the south.

DATES OF RELEASE(S) (if known): January 18, 1988

DESCRIPTION OF CONTAMINANTS: Highly-flammable solvents, xylene, toluene.

RELEASE DATA: In 1988, approximately 327 gallons of fiammable material (xylene, toluene, and methyl ethyl ketone) that mixed with approximately 30,000 gallons of water was released. The Memphis Fire Department Hazmat Team joined the Depot's Spill Team in cleaning up the spill. The material/water waste was pumped out of the bermed area and disposed of according to federal, state and local regulations.

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: No further action is required for this area; however, it is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: Designated as "No Further Action" in the RFA. This unit was originally identified as an AOC; however, based on regulatory guidance, it likely would not be designated as such.

REFERENCES:

RFA Report, January 1990; page 56 of 60 Main Installation RI Report, January 2000; Table 1-2, page 1-13 Main Installation RI Report, January 2000; Section 23.1.3.2, page 23-7, 23-8 Main Installation RI Report, January 2000; Section 23.2.1, page 23-7 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.4, page 3-57 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

AREA NUMBER: AOC E (54)

AREA NAME: DRMO Drainage Ditch

AREA LOCATION: Located east of the DRMO. The site is within Functional Unit 4 and CERCLA Operable Unit 4 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: This area is a concrete-lined, open channel, which measures two feet deep and two feet wide. This channel receives surface water run-off from the former DRMO Building T-308 Hazardous Waste Storage Area (SWMU 35) which manages flammables, caustics and acids.

DATES OF RELEASE(S) (if known): The ditch continues to convey stormwater but it is unknown if there have been releases to or from this area.

DESCRIPTION OF CONTAMINANTS: Unknown.

RELEASE DATA: N/A

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: No further action is required for this area; however, it is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: Designated as "No Further Action" in the RFA. This unit was originally identified as an AOC; however, based on regulatory guidance, it likely would not be designated as such.

REFERENCES:

RFA Report, January 1990; page 57 of 60 Main Installation RI Report, January 2000; Table 1-2, page 1-13 Main Installation RI Report, January 2000; Section 23.1.3.2, page 23-7, 23-8 Main Installation RI Report, January 2000; Section 23.2.1, page 23-7 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.4, page 3-43 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

AREA NUMBER: AOC F (55)

AREA NAME: North Run-Off Area

AREA LOCATION: The area is located along the northern boundary of the main installation. The site is within Functional Unit 4 and CERCLA Operable Unit 4 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: The area is approximately 100 feet across, through which run-off (as sheet flow) discharges from the facility. This discharge point receives run-off from the former DRMO Building T-308 Hazardous Waste Storage Area (SWMU No. 35).

DATES OF RELEASE(S) (if known): The area has been in existence since the 1940's and continues to convey stormwater, specific dates of potential release(s) is unknown.

DESCRIPTION OF CONTAMINANTS: Unknown.

RELEASE DATA: N/A

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: No further action is required for this area; however, it is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: Designated as "No Further Action" in the RFA. This unit was originally identified as an AOC; however, based on regulatory guidance, it likely would not be designated as such.

REFERENCES:

RFA Report, January 1990; page 58 of 60 Main Installation RI Report, January 2000; Table 1-2, page 1-13 Main Installation RI Report, January 2000; Section 23.1.3.2, page 23-7, 23-8 Main Installation RI Report, January 2000; Section 23.2.1, page 23-7 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.4, page 3-43 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

AREA NUMBER: AOC G (56)

AREA NAME: West Run-Off Area

AREA LOCATION: The area is located in the middle of the west boundary of the main installation. The site is within Functional Unit 4 and CERCLA Operable Unit 4 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: The area is a natural ditch approximately seven feet deep and six feet wide. The unit receives run-off from the western section of the facility including various storage areas for POL and discharges beneath Perry Road.

DATES OF RELEASE(S) (if known): The area has been in existence since the 1940's and continues to convey stormwater, specific dates of potential release(s) is unknown.

DESCRIPTION OF CONTAMINANTS: Unknown.

RELEASE DATA: N/A

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: No further action is required for this area; however, it is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: Designated as "No Further Action" in the RFA. This unit was originally identified as an AOC; however, based on regulatory guidance, it likely would not be designated as such.

REFERENCES:

RFA Report, January 1990; page 59 of 60 Main Installation RI Report, January 2000; Table 1-2, page 1-13 Main Installation RI Report, January 2000; Section 23.1.3.2, page 23-7, 23-8 Main Installation RI Report, January 2000; Section 23.2.1, page 23-7 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.4, page 3-55, 3-56 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

AREA NUMBER: AOC H (57)

AREA NAME: Building 629 Spill Area

AREA LOCATION: Building 629 – General Purpose Warehouse. The site is within Functional Unit 1 and CERCLA Operable Unit 4 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: Building 629 is a general purpose, 120,000 square foot warehouse built in 1942. The building has been used for clothing storage and receiving, and was also used for hazardous materials storage (DDT, herbicides, solvents, oxidizers, and toxic/corrosive materials). Area 57 was described in the RFA as a rail-loading dock approximately 125 feet in length near the southwest corner of the building.

DATES OF RELEASE(S) (if known): A 6-gallon nitric acid spill was reported inside Building 629 on April 23, 1990. A spill of hydrofluoric acid was also reported in the building.

DESCRIPTION OF CONTAMINANTS: Nitric and hydrofluoric acids, herbicides and pesticides.

RELEASE DATA: A 6-gallon nitric acid spill and an unknown amount of hydrofluoric acid. Neither spill was expected to have resulted in residual environmental contamination. Elevated concentrations of PAHs and organic compounds were detected at the western side of Building 629 prior to the RFA. The CERCLA Remedial Investigation results for this site identified the following chemicals of concern in surface soil: PAHs, DDE, DDT, metals, alpha-chlordane, DDD, dieldrin, gamma-chlordane, and heptachlor epoxide.

MEDIA AFFECTED: Soil

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: This area is located in Functional Unit 1 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS:

REFERENCES:

RFA Report, January 1990; page 60 of 60 Main Installation RI Report, January 2000; Section 8.3.1, page 8-3 Main Installation RI Report, January 2000; Table 1-2, page 1-13 Main Installation RI Report, January 2000; Section 11.2, page 11-6 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.4, page 3-39 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

AREA NUMBER: 58

AREA NAME: Pesticides, Herbicides (Pad 267)

AREA LOCATION: This area was the site of Building T-267, the Pesticide Shop and is located north of current Building 274. The site is within Functional Unit 6 and CERCLA Operable Unit 3 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: 150-ft by 200-ft building was demolished in 1987; the area is now a parking lot.

DATE(S) OF RELEASE(S) (if known): The shop was believed to have operated from the 1940s until the mid-1980s

DESCRIPTION OF CONTAMINANTS: Pesticides/herbicides

RELEASE DATA: Rinse water from pesticide and herbicide spraying operations was disposed of on the ground in this area until 1980. The specific disposal location is unknown. After that time, the rinse water was held for the mixing of later batches. Past pesticide and herbicide spray operations at the Depot generally included 2,4-Dichlorophenoxyacetic acid (2,4-D) on grassy areas, Monuron on railroad track areas, Pyrethrum in textile warehouses, Hy-Var-X in gravel areas, and Phostoxin (aluminum phosphide) for stack and transit fumigation. The Main Installation Remedial Investigation indicated that groundwater beneath subparcel 4.9, which includes Area 58, contains VOCs.

MEDIA AFFECTED: Soil, Groundwater

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: This area is located in Functional Unit 6 on the Main Installation for which the selected CERCLA remedy includes land use controls. This area overlies a groundwater treatment area of Functional Unit 7, Groundwater at the Main Installation, where enhanced bioremediation was selected as the CERCLA remedy.

COMMENTS: This unit/area was identified during the CERCLA Remedial Investigation and was not formally designated as a SWMU or AOC. However, based upon regulatory guidance, the suspected contaminated area would be an AOC.

REFERENCES:

Installation Assessment of the DDMT, July 1982 Main Installation RI Report, January 2000; Section 28.3.2, page 28-4 Main Installation RI Report, January 2000; Table 1-2, page 1-13 Main Installation RI Report, January 2000; Section 31.2, page 31-5, 31-6 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-64 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

UNIT NUMBER: 59

UNIT NAME: Pesticides/Cleaners (Building 273)

TYPE OF UNIT: Product Storage Area

UNIT LOCATION: Building 273 is located north of the Main Installation golf course. The site is within Functional Unit 2 and CERCLA Operable Unit 3 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: Building 273 is a 10-ft by 50-ft metal building.

FUNCTION OF UNIT: The building was used as a mixing area for golf course pesticide and herbicide spray operations and to store gasoline and fertilizers.

DATE(S) OF OPERATIONS: The operations are believed to have occurred from the 1940s to the mid-1980s.

DESCRIPTION OF WASTES (include hazardous constituents if known) : Pesticides and herbicides

HAS A RELEASE OCCURRED? () Yes () No () Suspected (X) Unknown

RELEASE DATA: Surface soil samples indicated the presence of dieldrin and PCE above screening criteria and/or background values. The Main Installation Remedial Investigation indicates that groundwater beneath subparcel 4.10, which includes area 59, contains VOCs.

MEDIA AFFECTED: Soil, Groundwater

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: This unit is located in Functional Unit 2 on the Main Installation for which the selected CERCLA remedy includes land use controls. This site overlies the groundwater treatment area of Functional Unit 7, Groundwater at the Main Installation, where enhanced bioremediation was selected as the CERCLA remedy.

COMMENTS: This unit/area was identified during the CERCLA Remedial Investigation and was not formally designated as a SWMU or AOC. However, for purposes of the RCRA Corrective Action Permit Renewal, this unit would not be considered a SWMU based upon regulatory guidance.

REFERENCES:

Main Installation RI Report, January 2000; Section 12.3.3, page 12-5 Main Installation RI Report, January 2000; Table 1-2, page 1-13 Main Installation RI Report, January 2000; Section 15.2, page 15-6 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-64 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

AREA NUMBER: 60

AREA NAME: Pistol Range Impact Area and Bullet Stop

AREA LOCATION: This area is located in the Northeast Open Area of CERCLA Operable Unit 1, Dunn Field.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: The site is part of a former pistol range of unknown dimension.

DATE(S) OF RELEASE(S) (if known): The site was estimated to have been constructed between 1953 and 1958, and to have been abandoned by the late 1970s.

DESCRIPTION OF CONTAMINANTS: Lead

RELEASE DATA: During the 1999 RI, six surface samples were collected at this area. Lead and dieldrin were detected.

MEDIA AFFECTED: Soil

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: A CERCLA Removal Action for lead in surface soil was conducted in 2003. No further action is required at this site.

COMMENTS: This unit/area was identified during the CERCLA Remedial Investigation and was not formally designated as a SWMU or AOC. However, based upon regulatory guidance, the suspected contaminated area would be an AOC.

REFERENCES:

Dunn Field RI Report, Rev. 2, July 2002; Section 8.3.5, page 8-4, 8-5 Dunn Field RI Report, Rev. 2, July 2002; Section 9.9, page 9-15, 9-16 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-82 Removal Action at Former Pistol Range, Site 60, August 2003 Dunn Field Record of Decision, February 2004, Rev. 2; Section 2.7.1.5, page 2-26 Dunn Field Record of Decision, February 2004, Rev. 2; Table 2-2, page 1 of 3

AREA NUMBER: 61

AREA NAME: Buried Drain Pipe

AREA LOCATION: The area is located in the northern portion of the Disposal Area of CERCLA Operable Unit 1, Dunn Field.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: The pipe extends across the subsurface northern portion of the Disposal Area of Dunn Field.

DATE(S) OF RELEASE(S) (if known): This stormwater pipe was reported to be installed in the mid-1950s.

DESCRIPTION OF CONTAMINANTS (include hazardous constituents if known): Unknown.

RELEASE DATA: One surface water, one sediment, and soil samples from a 10-foot boring were collected at the terminus of the drain pipe. Analysis during the RI indicates the presence of VOCs, antimony, arsenic, and PAHs in soil. The Dunn Field RI also indicates that groundwater beneath site 61 contains VOCs and arsenic.

MEDIA AFFECTED: Soil, Groundwater

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Site was investigated during CERCLA Remedial Investigation and was assigned a low priority (no R/A likely) per the Dunn Field Record of Decision. No further action is required for the site; however, it is located in the Dunn Field disposal area where land use controls will apply.

COMMENTS: This unit/area was identified during the CERCLA Remedial Investigation and was not formally designated as a SWMU or AOC. However, based upon regulatory guidance, the suspected contaminated area would be an AOC.

REFERENCES:

Dunn Field RI Report, Rev. 2, July 2002; Section 10.3.7, page 10-11, 10-12 Dunn Field RI Report, Rev. 2, July 2002; Section 11.3, page 11-16 Dunn Field RI Report, Rev. 2, July 2002; Section 11.5, page 11-25 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-86 Dunn Field Record of Decision, February 2004, Rev. 2; Section 2.12, page 2-57 Dunn Field Record of Decision, February 2004, Rev. 2; Table 2-2, page 2 of 3

AREA NUMBER: 62

AREA NAME: Aboveground Bauxite Storage (Area)

AREA LOCATION: The site is located within the Stockpile Area of CERCLA Operable Unit 1, Dunn Field.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: The site covers approximately 4 acres and was comprised of three bauxite stockpiles.

DATE(S) OF RELEASE(S) (if known): Bauxite was stored continuously from 1950 until 1999.

DESCRIPTION OF CONTAMINANTS: Bauxite was not a waste but a raw material used in aluminum ore production. Aluminum may have leached into soil from stockpiles.

RELEASE DATA: The Dunn Field RI indicates that aluminum is present in soils in this area.

MEDIA AFFECTED: Soil

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Site was investigated during CERCLA Remedial Investigation and was assigned a low priority (no R/A likely) per the Dunn Field Record of Decision. No further action is required at this site.

COMMENTS: This unit/area was identified during the CERCLA Remedial Investigation and was not formally designated as a SWMU or AOC. However, for purposes of the RCRA Corrective Action Permit Renewal, this area would not be considered a AOC based upon regulatory guidance.

REFERENCES:

Dunn Field RI Report, Rev. 2, July 2002; Section 8.3.6, page 8-5 Dunn Field RI Report, Rev. 2, July 2002; Section 12.5.1.1, page 12-5 Dunn Field RI Report, Rev. 2, July 2002; Section 17.1, page 17-1, 17-2 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.3, page 3-28 Dunn Field Record of Decision, February 2004, Rev. 2; Section 2.7.1.5, page 2-26 Dunn Field Record of Decision, February 2004, Rev. 2; Table 2-2, page 1 of 3

AREA NUMBER: 63

AREA NAME: Aboveground Fluorspar Storage (Area)

AREA LOCATION: The site is located within the Stockpile Area of CERCLA Operable Unit 1, Dunn Field.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: Site 63 was comprised of seven fluorspar stockpiles covering approximately 6 acres.

DATE(S) OF RELEASE(S) (if known): Fluorspar was stored continuously from 1950 until 1999.

DESCRIPTION OF CONTAMINANTS: Fluorspar was not a waste but a raw material used in glass/enamel and hydrofluoric acid productions. Calcium associated with fluorspar may have leached into soil from the stockpile.

RELEASE DATA: The Dunn Field RI indicates that calcium is present in soils in this area.

MEDIA AFFECTED: Soil

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Site was investigated during CERCLA Remedial Investigation and was assigned a low priority (no R/A likely) per the Dunn Field Record of Decision. No further action is required at this site.

COMMENTS: This unit/area was identified during the CERCLA Remedial Investigation and was not formally designated as a SWMU or AOC. However, for purposes of the RCRA Corrective Action Permit Renewal, this area would not be considered a AOC based upon regulatory guidance.

REFERENCES:

Dunn Field RI Report, Rev. 2, July 2002; Section 12.3.2, page 12-3 Dunn Field RI Report, Rev. 2, July 2002; Section 17.3, page 17-5, 17-6 Dunn Field RI Report, Rev. 2, July 2002; Section 13.6.4.2, page 13-17 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-87 Dunn Field Record of Decision, February 2004, Rev. 2; Section 2.12, page 2-57 Dunn Field Record of Decision, February 2004, Rev. 2; Table 2-2, page 3 of 3

AREA NUMBER: 64

AREA NAME: Aboveground Bauxite Storage (Area) (1949 to 1972)

AREA LOCATION: This area was located in the southwestern quadrant of Dunn Field extending from the Stockpile Area into the southern portion of the Disposal Area of CERCLA Operable Unit 1, Dunn Field.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: Site 64 was comprised of one, relatively large bauxite stockpile covering most of the southwestern portion of Dunn Field.

DATE(S) OF RELEASE(S) (if known): Bauxite was stored continuously from 1950 until 1972.

DESCRIPTION OF CONTAMINANTS: Bauxite was not a waste but a raw material used in aluminum ore production. Aluminum may have leached into soil from the stockpiles.

RELEASE DATA: The Dunn Field RI indicates that aluminum is present in soils in this area. The aluminum is associated with the bauxite piles. Historical information indicates Site 64 was placed over SWMU 24B, a neutralization pit for mustard agent; this remediation of this unit was completed in 2001. Site 64 includes the alleged CC-2 burial trench which was reported to have been used to dispose of 86,100 pounds of CC-2 Impregnite. Site 64 also includes Installation Assessment Site 31 (unrelated to SWMU 31 on the Main Installation) reportedly used for the burning/disposal of smoke pots, CN (tear gas)grenades and souvenir ordnance, which included a 3.2mortar round.

Further soil investigation of the CC-2 and Site 31 areas during the remedial design determined that soil contaminant concentrations did not exceed risk-based action levels.

MEDIA AFFECTED: Soil

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Site was investigated during CERCLA Remedial Investigation and was assigned a low priority (no R/A likely) per the Dunn Field Record of Decision. No further action is required for the site; however, it is located in an area of Dunn Field where land use controls will apply.

COMMENTS: This unit/area was identified during the CERCLA Remedial Investigation and was not formally designated as a SWMU or AOC. However, for purposes of the RCRA Corrective Action Permit Renewal, this area would not be considered an AOC based upon regulatory guidance.

REFERENCES:

Dunn Field RI Report, Rev. 2, July 2002; Section 12.3.2, page 12-3 Dunn Field RI Report, Rev. 2, July 2002; Section 17.3, page 17-5, 17-6 Dunn Field RI Report, Rev. 2, July 2002; Section 12.5.1.1, page 12-5 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-86, 3-87 Dunn Field RI Report, Rev. 2, July 2002; Section 13.6.4.2, page 13-17 Dunn Field Record of Decision, February 2004, Rev. 2; Section 2.12, page 2-57 Dunn Field Record of Decision, February 2004, Rev. 2; Table 2-2, page 3 of 3 Dunn Field Disposal Sites Pre-Design Investigation Data Collection Technical Memorandum, February 2004, Rev. 1

UNIT NUMBER: 65

UNIT NAME: XXCC-3 (Building 249)

TYPE OF UNIT: Product Storage Area

UNIT LOCATION: Site 65 (Building 249) is located between 1st and 2nd Streets, and between E and F Streets. The site is within Functional Unit 1 of the CERCLA Operable Unit 3 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: Building 249 is a 120,000-square-ft general purpose warehouse.

FUNCTION OF UNIT: This site was used to store clothing treated with impregnite (CC-2), a chemical used as a preventative to the effects of chemical warfare agents on skin.

DATE(S) OF OPERATION: Impregnite was produced during the 1940s and 1950s.

DESCRIPTION OF WASTES (include hazardous constituents if known): N/A.

HAS A RELEASE OCCURRED? () Yes () No () Suspected (X) Unknown

RELEASE DATA: Surface soil samples collected in this area during the Main Installation Remedial Investigation contained PAHs, cadmium, DDE, and DDT.

MEDIA AFFECTED: Soil

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: No further action is required for this unit; however, it is located in Functional Unit 1 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: This unit/area was identified during the CERCLA Remedial Investigation and was not formally designated as a SWMU or AOC. However, for purposes of the RCRA Corrective Action Permit Renewal, this unit would not be considered a SWMU based upon regulatory guidance.

REFERENCES:

Main Installation RI Report, January 2000; Section 10.3, page 10-16 Main Installation RI Report, January 2000; Table 1-2, page 1-13 Main Installation RI Report, January 2000; Section 11.2, page 11-6 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.4, page 3-35 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

AREA NUMBER: 66

AREA NAME: POL (Area) (Building 253)

AREA LOCATION: Area 66 was the area associated with the vehicle maintenance shop (Building 253) located in the facility engineering maintenance yard. The site is within Functional Unit 6 and CERCLA Operable Unit 3 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: The vehicle maintenance shop measured approximately 50 ft by 125 ft. A 5,000 gallon underground storage tank storing No. 4 fuel oil was installed at this site.

DATE(S) OF **RELEASE(S)** (if known): Dates of potential release(s) is unknown. The UST was installed in 1952 and removed in 1996. The shop has been demolished.

DESCRIPTION OF CONTAMINANTS: Petroleum products, antifreeze, and No. 4 fuel oil.

RELEASE DATA: During the Main Installation Remedial Investigation, one surface soil and soils from three soil boring locations to a depth of 40 feet were sampled. Only PAHs were detected. The remedial investigation indicated that groundwater beneath subparcel 4.11, which includes site 66, contains VOCs.

MEDIA AFFECTED: Soil, Groundwater

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: This unit is located in Functional Unit 6 on the Main Installation for which the selected CERCLA remedy includes land use controls. The unit overlies the groundwater treatment area of Functional Unit 7, Groundwater at the Main Installation, where enhanced bioremediation was selected as the CERCLA remedy.

COMMENTS: This unit/area was identified during the CERCLA Remedial Investigation and was not formally designated as a SWMU or AOC. However, based upon regulatory guidance, the suspected contaminated area would be an AOC.

REFERENCES:

Main Installation RI Report, January 2000; Section 28.3.2, page 28-4 Main Installation RI Report, January 2000; Table 1-2, page 1-14 Main Installation RI Report, January 2000; Section 31.2, page 31-5, 31-6 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Table 3-6; page 54 of 77 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

AREA NUMBER: 67

AREA NAME: MOGAS (Area) (Building 257)

AREA LOCATION: Building 257 was located east of Building 359 at the intersection of G and 2nd Streets. The site is within Functional Unit 6 and CERCLA Operable Unit 3 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: Several underground and aboveground tanks for fuel dispensing and storage were located at Building 257. There were four steel underground tanks originally: a 20,000-gallon tank, two 12,000-gallon tanks and a 2,580-gallon tank, These were replaced with two 18,000 to 20,000-gallon fiberglass USTs. There were two 1.000-gallon aboveground tanks.

DATE(S) OF RELEASE(S) (if known): Fuel dispensing operations began in 1942. The steel USTs were installed in 1942 and 1951 and were removed in 1986 and 1989, and replaced with fiberglass USTs, which were removed in 1998. The ASTs were moved during recent road construction. Building 257 was demolished in 1999.

DESCRIPTION OF CONTAMINANTS: Motor fuels and antifreeze.

RELEASE DATA: Several minor spills were reported for this building with appropriate response and disposal. According to the initial remedial investigation in 1990, one surface soil sample taken of west of Building 257 contained PAHs, dieldrin and metals. During the Main Installation Remedial Investigation, additional surface soils and two soil borings to a depth of 40 feet were sampled. This site is not considered to be a source of chlorinated VOCs in groundwater.

MEDIA AFFECTED: Soil

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: This area is located in Functional Unit 6 on the Main Installation for which the selected CERCLA remedy includes land use controls. This area overlies the groundwater treatment area of Functional Unit 7, Groundwater at the Main Installation, where enhanced bioremediation was selected as the CERCLA remedy.

COMMENTS: This unit/area was identified during the CERCLA Remedial Investigation and was not formally designated as a SWMU or AOC. However, based upon regulatory guidance, the suspected contaminated area would be an AOC.

REFERENCES:

Main Installation RI Report, January 2000; Section 28.3.4, page 28-4, 28-5 Main Installation RI Report, January 2000; Table 1-2, page 1-14 Main Installation RI Report, January 2000; Section 31.2, page 31-5, 31-6 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.4, page 3-32, 3-33 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

AREA NUMBER: 68

AREA NAME: POL (Area) Building 263

AREA LOCATION: The site is located 500 ft southwest of Gate 1 and west of Building 260. The site is within Functional Unit 6 and CERCLA Operable Unit 3 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: Building 263 measures approximately 20 ft by 40 ft and is surrounded by a large expanse of asphalt pavement. The building was used to store small containers of POLs, which were reported dispensed to the POL staff and not used in the site area.

DATE(S) OF RELEASE(S) (if known): The site was used from the 1940s until the DDMT was closed. There were no reported releases.

DESCRIPTION OF CONTAMINANTS: Unknown

RELEASE DATA: N/A

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: This area is located in Functional Unit 6 on the Main Installation for which the selected CERCLA remedy includes land use controls. This area overlies the groundwater treatment area of Functional Unit 7, Groundwater at the Main Installation, where enhanced bioremediation was selected as the CERCLA remedy.

COMMENTS: This unit/area was identified during the CERCLA Remedial Investigation and was not formally designated as a SWMU or AOC. However, for purposes of the RCRA Corrective Action Permit Renewal, this area would not be considered an AOC based upon regulatory guidance.

REFERENCES:

Main Installation RI Report, January 2000; Section 28.3.5, page 28-5 Main Installation RI Report, January 2000; Table 1-2, page 1-14 Main Installation RI Report, January 2000; Section 31.2, page 31-5, 31-6 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-63 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

AREA NUMBER: 69

AREA NAME: 2,4-D, M2A1, and M4 Flamethrower Liquid Fuels (Surface Application Area)

AREA LOCATION: The site is located on the eastern side of the Main Installation about 100 ft east of Lake Danielson and south of K Street. The site is within Functional Unit 2 and CERCLA Operable Unit 3 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: This area of unknown dimension is now part of the golf course. This area was formerly used to test flamethrowers with diesel fuels. Fire fighting techniques were also practiced.

DATE(S) OF RELEASE(S) (if known): Unknown.

DESCRIPTION OF CONTAMINANTS: Unknown

RELEASE DATA: N/A

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: This area is located in Functional Unit 2 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: This unit/area was identified during the CERCLA Remedial Investigation and was not formally designated as a SWMU or AOC. However, based upon regulatory guidance, the suspected contaminated area would be an AOC.

REFERENCES:

Main Installation RI Report, January 2000; Section 12.3.6, page 12-5 Main Installation RI Report, January 2000; Table 1-2, page 1-13 Main Installation RI Report, January 2000; Section 15.2, page 15-6 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.4, page 3-32 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

AREA NUMBER: 70

AREA NAME: POL, Various Chemical Leaks (railroad tracks 1, 2, 3, 4, 5, & 6) (Areas)

AREA LOCATION: Railroad tracks are located throughout the Main Installation. The area includes sections of several Functional Units and CERCLA Operable Units 2, 3 and 4 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: Railroad tracks throughout the Main Installation.

DATE(S) OF RELEASE(S) (if known): Unknown.

DESCRIPTION OF CONTAMINANTS: POL, various chemicals.

RELEASE DATA: Railroad operations were the main means of transporting materials to the warehouses for storage. Throughout the MI, railroad tracks historically were sprayed with pesticides, herbicides, and waste oil containing PCP. Surface and subsurface soil samples along the railroad tracks detected elevated concentrations of PAHs.

MEDIA AFFECTED: Soil

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: This area is located throughout the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: This unit/area was identified during the CERCLA Remedial Investigation and was not formally designated as a SWMU or AOC. However, based upon regulatory guidance, the suspected contaminated area would be an AOC.

REFERENCES:

Main Installation Record of Decision, Rev. 2, February 2001; Section 20.3.14 page 20-8 Main Installation RI Report, January 2000; Table 1-2, page 1-14 Main Installation RI Report, January 2000 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

AREA NUMBER: 71

AREA NAME: Herbicide (all railroad tracks) (Surface Application Areas)

AREA LOCATION: Railroad tracks are located throughout the Main Installation. The area includes sections of several Functional Units and CERCLA Operable Units 2, 3 and 4 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: Railroad tracks throughout the Main Installation.

DATE(S) OF RELEASE(S) (if known): Unknown.

DESCRIPTION OF CONTAMINANTS: Pesticides, herbicides.

RELEASE DATA: Throughout the MI, railroad tracks historically were sprayed with pesticides, herbicides, and waste oil containing PCP. Surface and subsurface soil sampling investigations along the railroad tracks detected elevated concentrations of PAHs.

MEDIA AFFECTED: Soil

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: This area is located throughout the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: This unit/area was identified during the CERCLA Remedial Investigation and was not formally designated as a SWMU or AOC. However, for purposes of the RCRA Corrective Action Permit Renewal, this area would not be considered an AOC based upon regulatory guidance.

REFERENCES:

Main Installation Record of Decision, Rev. 2, February 2001; Section 20.3.14 page 20-8 Main Installation RI Report, January 2000; Table 1-2, page 1-14 Main Installation RI Report, January 2000 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

AREA NUMBER: 72

AREA NAME: Waste Oil (DRMO Yard) (Area)

AREA LOCATION: The Property Disposal Office (PDO) yard is in the northern section of the Main Installation, north of B Street. The site is within Functional Unit 4 and CERCLA Operable Unit 4 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: Open yard area of unknown dimensions associated with the Property Disposal Office (PDO).

DATE(S) OF RELEASE(S) (if known): Unknown.

DESCRIPTION OF CONTAMINANTS: Waste oils mixed with PCP

RELEASE DATA: Waste oils mixed with PCP were applied to the soil surface in PDO Yard for dust and weed control.

MEDIA AFFECTED: Soil

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: This area is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: This unit/area was identified during the CERCLA Remedial Investigation and was not formally designated as a SWMU or AOC. However, based upon regulatory guidance, the suspected contaminated area would be an AOC.

REFERENCES:

Main Installation RI Report, January 2000; Section 20.3.5, page 20-6 Main Installation RI Report, January 2000; Table 1-2, page 1-13 Main Installation RI Report, January 2000; Section 23.2, page 23-7, 23-8 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.4, page 3-42, 3-43 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

AREA NUMBER: 73

AREA NAME: 2,4-Dichlorophenoxyacetic Acid (All Grassed Areas)

AREA LOCATION: All grassed areas at the Main Installation. The site is within all Functional Units and CERCLA Operable Units 2, 3, and 4 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: This site includes all grassed areas at the Main Installation.

DATE(S) OF RELEASE(S) (if known): Unknown.

DESCRIPTION OF CONTAMINANTS: Pesticides such as dieldrin.

RELEASE DATA: Pesticides such as dieldrin was historically applied on grassy areas.

MEDIA AFFECTED: Soil

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: This area is located throughout the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: This unit/area was identified during the CERCLA Remedial Investigation and was not formally designated as a SWMU or AOC. However, for purposes of the RCRA Corrective Action Permit Renewal, this area would not be considered an AOC based upon regulatory guidance. **REFERENCES:**

Main Installation Record of Decision, Rev. 2, February 2001; Section 12.3.9, page 12-6 Main Installation RI Report, January 2000; Table 1-2, page 1-1 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

AREA NUMBER: 74

AREA NAME: Flammables and Toxics (West End Building 319) (Area)

AREA LOCATION: Building 319 is in the northern section of the Main Installation, north of C Street. The site is within Functional Unit 4 and CERCLA Operable Unit 4 portion of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: The west end of the building (Building 319) was historically used for the storage of flammable and toxic materials.

DATE(S) OF RELEASE(S) (if known): November 18, 1991

DESCRIPTION OF CONTAMINANTS: Xylene

RELEASE DATA: A xylene spill was reported on November 18, 1991, inside Building 319, Section 4. The xylene spill was cleaned up by the response team in accordance with federal, state, and local regulations. The Main Installation Remedial Investigation included shallow soil borings (20-foot) in this area at locations such as loading/unloading areas and surface drainage pathways.

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: No further action is required for this area; however, it is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: This unit/area was identified during the CERCLA Remedial Investigation and was not formally designated as a SWMU or AOC. However, for purposes of the RCRA Corrective Action Permit Renewal, this area would not be considered an AOC based upon regulatory guidance.

REFERENCES:

Main Installation RI Report, January 2000; Section 20.3.5, page 20-6 Main Installation RI Report, January 2000; Table 1-2, page 1-14 Main Installation RI Report, January 2000; Section 23.2, page 23-7, 23-8 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.4, page 3-41 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

AREA NUMBER: 75

AREA NAME: Unknown Wastes Near Buildings 689 (Spill Sites)

AREA LOCATION: Site 75 was located between Buildings 689 and 670, on the eastern side. The site is within Functional Unit 5 and CERCLA Operable Unit 3 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: An unbermed area adjacent to a storm sewer inlet outside of Building 689.

DATE(S) OF RELEASE(S) (if known): Unknown.

DESCRIPTION OF CONTAMINANTS: Unknown.

RELEASE DATA: 11 spills inside and outside Building 689 were documented between May 8, 1990 and November 16, 1995. The spilled material included Nitric acid, corrosion-removing compound, hydraulic fluid, oil, and sulfuric acid. Absorbent was applied to clean up the spills.

MEDIA AFFECTED: N/A.

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: This area is located in Functional Unit 5 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: This unit/area was identified during the CERCLA Remedial Investigation and was not formally designated as a SWMU or AOC. However, based upon regulatory guidance, the suspected contaminated area would be an AOC.

REFERENCES:

Main Installation RI Report, January 2000; Section 24.3.4, page 24-4 Main Installation RI Report, January 2000; Table 1-2, page 1-14 Main Installation RI Report, January 2000; Section 27.2, page 27-6 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.4, page 3-51 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

UNIT NUMBER: 76

UNIT NAME: Unknown Wastes Near Building 690

TYPE OF UNIT: Storage Building

UNIT LOCATION: Building 690 is in the south central portion of the Main Installation. The site is within Functional Unit 5 of the CERCLA Operable Unit 3 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: Areas in and around Building 690.

FUNCTION OF UNIT: Building 690, a general purpose warehouse, was used to store material-handling equipment and materials awaiting shipment. At times in the past, unknown wastes and vehicle maintenance supplies have been stored here.

DATE(S) OF OPERATION: 1953 to 1997.

DESCRIPTION OF WASTES (include hazardous constituents if known): N/A

HAS A RELEASE OCCURRED? () Yes () No () Suspected (X) Unknown

RELEASE DATA: N/A

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: This area is located in Functional Unit 5 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: This unit/area was identified during the CERCLA Remedial Investigation and was not formally designated as a SWMU or AOC. However, for purposes of the RCRA Corrective Action Permit Renewal, this area would not be considered an AOC based upon regulatory guidance.

REFERENCES:

Main Installation RI Report, January 2000; Section 24.3.4, page 24-4 Main Installation RI Report, January 2000; Table 1-2, page 1-14 Main Installation RI Report, January 2000; Section 27.2, page 27-6 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.4, page 3-51 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

AREA NUMBER: 77

AREA NAME: Unknown Wastes Near Buildings 689 and 690

AREA LOCATION: Site 77 is located at the end of the L Street between Buildings 689 and 690 in the south central portion of the Main Installation. The site is within Functional Unit 5 and CERCLA Operable Unit 3 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: An open gravel covered area north and south of the street and about 2/3 of an acre. Part of Site 77 was formerly used as a battery recharge area.

DATE(S) OF RELEASE(S) (if known): Unknown.

DESCRIPTION OF CONTAMINANTS: Battery acid

RELEASE DATA: Battery acid spilled during battery charging procedures was washed out a nearby door onto the gravel area immediately east of Building 685.

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: This area is located in Functional Unit 5 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: This unit/area was identified during the CERCLA Remedial Investigation and was not formally designated as a SWMU or AOC. However, for purposes of the RCRA Corrective Action Permit Renewal, this area would not be considered an AOC based upon regulatory guidance.

REFERENCES:

Main Installation RI Report, January 2000; Section 24.3.4, page 24-4 Main Installation RI Report, January 2000; Table 1-2, page 1-14 Main Installation RI Report, January 2000; Section 27.2, page 27-6 Main Installation RI Report, January 2000; Section 26.3, page 26-18, 19 Main Installation RI Report, January 2000; Section 27.1.3.3, page 27-5 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.4, page 3-51, 52 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

AREA NUMBER: 78

AREA NAME: Alcohol, Acetone, Toluene, Naphtha, Hydrofluoric Acid Spills

AREA LOCATION: Screening Site 78 is located in the northern section of Building 689, which is located on the south central portion of the Main Installation. The site is within Functional Unit 5 and CERCLA Operable Unit 3 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: Building 689, which measured 228,000 square ft., was a general purpose warehouse used to store material-handling equipment and materials awaiting shipment. Building 689 historically staged alcohol, acetone, toluene and hydrofluoric acid prior to transport.

DATE(S) OF RELEASE(S) (if known): Unknown.

DESCRIPTION OF CONTAMINANTS: Unknown.

RELEASE DATA: N/A

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: This area is located in Functional Unit 5 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: This unit/area was identified during the CERCLA Remedial Investigation and was not formally designated as a SWMU or AOC. However, based upon regulatory guidance, the suspected contaminated area would be an AOC.

REFERENCES:

Main Installation RI Report, January 2000; Section 24.3.4, page 24-4 Main Installation RI Report, January 2000; Table 1-2, page 1-14 Main Installation RI Report, January 2000; Section 27.2, page 27-6 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.4, page 3-50 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

UNIT NUMBER: 79

UNIT NAME: Fuels, Miscellaneous Liquids, Wood, and Paper (vicinity S702)

TYPE OF UNIT: Product Storage Area

UNIT LOCATION: Adjacent to Building 702, approximately 2,400 ft from the western boundary and 200 ft from the northern boundary of the Main Installation. The site is within Functional Unit 4 and CERCLA Operable Unit 4 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: Unknown

FUNCTION OF UNIT: The area adjacent to Building 702 has been used to store fuels, miscellaneous liquids, wood, and paper. Building 702, also used as a hobby shop, was demolished in 1998.

DATE(S) OF OPERATION: Unknown..

DESCRIPTION OF WASTES (include hazardous constituents if known): N/A

HAS A RELEASE OCCURRED? () Yes () No () Suspected (X) Unknown

RELEASE DATA: N/A

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: No further action is required for this area; however, it is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: This unit/area was identified during the CERCLA Remedial Investigation and was not formally designated as a SWMU or AOC. However, for purposes of the RCRA Corrective Action Permit Renewal, this area would not be considered an AOC based upon regulatory guidance.

REFERENCES:

Main Installation RI Report, January 2000; Section 20.3.7, page 20-6 Main Installation RI Report, January 2000; Table 1-2, page 1-14 Main Installation RI Report, January 2000; Section 23.2, page 23-7, 23-8 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.4, page 3-42 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

UNIT NUMBER: 80

UNIT NAME: Fuel and Cleaners Dispensing, Building 720

TYPE OF UNIT: Product Storage and Maintenance Area

UNIT LOCATION: Site 80 is associated with Building 720, which is located approximately 2,000 ft east of the western boundary and 700 ft south of the northern boundary of the Main Installation. The site is within Functional Unit 4 and CERCLA Operable Unit 4 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: Unknown

FUNCTION OF UNIT: Building 720 was used to store cleaners (used in train engine maintenance), to dispense fuel, and to repair and maintain train engines.

DATE(S) OF OPERATION: Unknown

DESCRIPTION OF WASTES (include hazardous constituents if known): Miscellaneous cleaners, fuel.

HAS A RELEASE OCCURRED? () Yes () No () Suspected (X) Unknown

RELEASE DATA: N/A

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: This area is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: This unit/area was identified during the CERCLA Remedial Investigation and was not formally designated as a SWMU or AOC. However, for purposes of the RCRA Corrective Action Permit Renewal, this area would not be considered an AOC based upon regulatory guidance.

REFERENCES:

Main Installation RI Report, January 2000; Section 20.2.1.3, page 20-3 Main Installation RI Report, January 2000; Table 1-2, page 1-14 Main Installation RI Report, January 2000; Section 23.2, page 23-7, 23-8 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-75 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40
UNIT NUMBER: 81

UNIT NAME: Fuel Oil AST (Building 765)

TYPE OF UNIT: Above Ground Storage Tank

UNIT LOCATION: Site 81, Fuel Oil Building 765, was located approximately 2,200 ft east of the western boundary and 2,350 ft south of the northern boundary of the installation. The site is within Functional Unit 4 and CERCLA Operable Unit 4 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: The unit was a 12,000-gallon diesel fuel aboveground storage tank; removed in 1994.

FUNCTION OF UNIT: Diesel fuel oil storage tank.

DATE(S) OF OPERATION: Unknown - 1994

DESCRIPTION OF WASTES (include hazardous constituents if known): Petroleum Constituents Suspected

HAS A RELEASE OCCURRED? () Yes () No () Suspected (X) Unknown

RELEASE DATA: N/A

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: This area is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: This unit/area was identified during the CERCLA Remedial Investigation and was not formally designated as a SWMU or AOC. However, for purposes of the RCRA Corrective Action Permit Renewal, this area would not be considered an AOC based upon regulatory guidance.

REFERENCES:

Main Installation RI Report, January 2000; Section 20.3.13, page 20-8 Main Installation RI Report, January 2000; Table 1-2, page 1-14 Main Installation RI Report, January 2000; Section 23.2.1, page 23-7, 23-8 Main Installation RI Report, January 2000; Section 20.2.1.3, page 20-3 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-58, 3-59 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Table 3-6, page 49 of 77 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

UNIT NUMBER: 82

UNIT NAME: Flammables (Buildings 783 and 793) Storage

TYPE OF UNIT: Product Storage Area

UNIT LOCATION: These buildings are located in the Southwest Open Area of the Main Installation. The site is within Functional Unit 3 and CERCLA Operable Unit 2 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: While the general dimensions of Buildings 783 and 793 are unknown, the buildings have interior floors constructed of concrete and sloped to the north and south walls. Along these walls are drains that lead to the exterior of the buildings (on the eastern side).

FUNCTION OF UNIT: Buildings 783 and 793 previously were designated as storage areas for flammable items and ordnance material.

DATE(S) OF OPERATION: Unknown. Building 783 was demolished in 2002.

DESCRIPTION OF WASTES (include hazardous constituents if known): N/A

HAS A RELEASE OCCURRED? () Yes () No () Suspected (X) Unknown

RELEASE DATA: N/A

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: This area is located in Functional Unit 3 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: This unit/area was identified during the CERCLA Remedial Investigation and was not formally designated as a SWMU or AOC. However, for purposes of the RCRA Corrective Action Permit Renewal, this area would not be considered an AOC based upon regulatory guidance.

REFERENCES:

Main Installation RI Report, January 2000; Table 1-2, page 1-13
Main Installation RI Report, January 2000; Section 16.1.1, page 16-1
Main Installation RI Report, January 2000; Section 16.3.5, page 16-4
Main Installation RI Report, January 2000; Section 19.1.3.2, page 19-5
Main Installation RI Report, January 2000; Section 19.2.2, page 19-6
BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-52,53
Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

AREA NUMBER: 83

AREA NAME: Disposal of Dried Paint Residues (Building 949)

AREA LOCATION: The area is adjacent to the southern side of Building 949. The site is within Functional Unit 4 and CERCLA Operable Unit 4 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: This site is an outside area of unknown dimensions adjacent to Building 972. This area was apparently used as an outdoor spray paint site, which would account for dried paint residues accumulating on the surface.

DATE(S) OF RELEASE(S) (if known): Spray painting and san blasting were reported in this area until the early 1980s.

DESCRIPTION OF CONTAMINANTS: Dried Paint Residues

RELEASE DATA: Paint residues on the surface were observed in this outdoor spray application site. The MI RI Report indicated levels of several metals that presented unacceptable risks for industrial reuse.

MEDIA AFFECTED: Soil

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Lead contaminated soil was removed from an area of approximately 7,200 square feet. The CERCLA Removal Action was completed in 2001.

This area is located in Functional Unit 4 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: This unit/area was identified during the CERCLA Remedial Investigation and was not formally designated as a SWMU or AOC. However, based upon regulatory guidance, the suspected contaminated area would be an AOC.

REFERENCES:

Main Installation RI Report, January 2000; Section 20.3.9, page 20-7 Main Installation RI Report, January 2000; Table 1-2, page 1-14 Main Installation RI Report, January 2000; Section 23.2, page 23-7, 23-8 Main Installation RI Report, January 2000; Section 23.2.1, page 23-7, 23-8 Main Installation RI Report, January 2000; Section 20.2.1.3, page 20-3 Remediation Report, Site 83, February 2002 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-58 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.10.2, page 2-34 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

UNIT NUMBER: 84

UNIT NAME: Flammables, Solvents, Waste Oil (Building 972)

TYPE OF UNIT: Product Storage Area

UNIT LOCATION: Building 972 is located in the Southwest Open Area of the Main Installation. The site is within Functional Unit 3 and CERCLA Operable Unit 2 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: This area was a large, open shed storage building which was converted to a closed building for the storage and handling of packing material.

FUNCTION OF UNIT: Storage areas for flammables, solvents and waste oil.

DATE(S) OF OPERATION: Unknown.

DESCRIPTION OF WASTES (include hazardous constituents if known): N/A

HAS A RELEASE OCCURRED? () Yes () No () Suspected (X) Unknown

RELEASE DATA: Small operational spills were cleaned when they occurred. Oil stained areas were observed in the building during the EBS visual inspection. The area was designated as a screening site because of the potential that stored materials may have been released to the surrounding soils. The Main Installation Remedial Investigation indicates that groundwater beneath subparcel 27.2, which includes site 84, contains VOCs.

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: This area is located in Functional Unit 3 on the Main Installation for which the selected CERCLA remedy includes land use controls.

COMMENTS: This unit/area was identified during the CERCLA Remedial Investigation and was not formally designated as a SWMU or AOC. However, for purposes of the RCRA Corrective Action Permit Renewal, this area would not be considered an AOC based upon regulatory guidance.

REFERENCES:

Main Installation RI Report, January 2000; Section 16.3.5, page 16-4 Main Installation RI Report, January 2000; Table 1-2, page 1-13 Main Installation RI Report, January 2000; Section 19.1.3.2, page 19-5 Main Installation RI Report, January 2000; Section 19.2.2, page 19-6 Main Installation RI Report, January 2000; Section 16.1.1, page 16-1 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-70 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40

AREA NUMBER: 85

AREA NAME: Old Pistol Range/Building 1184 - Temporary Pesticide Storage

AREA LOCATION: This unit is located in the Northeast Open Area of CERCLA Operable Unit 1, Dunn Field.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: This area was a pistol range that predated the pistol range described in the Area 60 Assessment Report. Building 1184 may have been used for range operations but was used for pesticide storage in the early 1980s.

DATE(S) OF RELEASE(S) (if known): Unknown.

DESCRIPTION OF CONTAMINANTS: Lead, dieldrin

RELEASE DATA: During the 1999 RI, six surface samples were collected to investigate Sites 60 and 85. Lead and dieldrin were detected.

MEDIA AFFECTED: Soil

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: A CERCLA Removal Action for lead in surface soil was conducted in 2003. No further action is required at this site.

COMMENTS: This unit/area was identified during the CERCLA Remedial Investigation and was not formally designated as a SWMU or AOC. However, based upon regulatory guidance, the suspected contaminated area would be an AOC.

REFERENCES:

Dunn Field RI Report, Rev. 2, July 2002; Section 8.3.5, page 8-4, 8-5 Dunn Field RI Report, Rev. 2, July 2002; Section 9.9, page 9-15, 9-16 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-82 Removal Action at Former Pistol Range, Site 60, August 2003 Dunn Field Record of Decision, February 2004, Rev. 2; Section 2.7.1.5, page 2-26 Dunn Field Record of Decision, February 2004, Rev. 2; Table 2-2, page 1 of 3

UNIT NUMBER: 86

UNIT NAME: Food Supplies (Dunn Field) (Disposal Site)

TYPE OF UNIT: Burial Ground

UNIT LOCATION: This unit is located in the Disposal Area of CERCLA Operable Unit 1, Dunn Field.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: Burial area of unknown dimensions. The maximum burial depth was 10 feet in the Dunn Field disposal area.

FUNCTION OF UNIT: This burial area is associated with food items with expired shelf life. Reportedly, CAIS sets were also buried here.

DATE(S) OF OPERATION: Unknown

DESCRIPTION OF WASTES (include hazardous constituents if known): Food supplies and CAIS sets.

HAS A RELEASE OCCURRED? () Yes () No (X) Suspected () Unknown

RELEASE DATA: N/A.

MEDIA AFFECTED: N/A

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Site was investigated during CERCLA Remedial Investigation and was assigned a low priority (RA not likely) in the Dunn Field Record of Decision. No further action is required for this site; however, it is located in the Dunn Field disposal area where land use controls will apply.

COMMENTS: This unit/area was identified during the CERCLA Remedial Investigation and was not formally designated as a SWMU or AOC. However, for purposes of the RCRA Corrective Action Permit Renewal, this area would not be considered an AOC based upon regulatory guidance.

REFERENCES:

BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-83, 3-84
Dunn Field RI Report, Rev. 2, July 2002; Table 10-1
Dunn Field RI Report, Rev. 2, July 2002; Section 10-6, page 10-20
Dunn Field RI Report, Rev. 2, July 2002; Section 11.5, page 11-25
Dunn Field Record of Decision, February 2004, Rev. 2; Section 2.12, page 2-57
Dunn Field Record of Decision, February 2004, Rev. 2; Table 2-2, page 2 of 3

UNIT NUMBER: 87

UNIT NAME: DDT, Banned Pesticides (Building 1084) (Storage)

TYPE OF UNIT: Product Storage Area

UNIT LOCATION: Building 1084 is located in the Southwest Open Area of the Main Installation. The site is within Functional Unit 3 and CERCLA Operable Unit 2 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: Building dimensions are unknown.

FUNCTION OF UNIT: Storage of DDT and other pesticides.

DATE(S) OF OPERATION: Unknown origination date to 2000.

DESCRIPTION OF WASTES (include hazardous constituents if known): DDT and other pesticides.

HAS A RELEASE OCCURRED? () Yes () No (X) Suspected () Unknown

RELEASE DATA: The MI RI indicated that groundwater beneath subparcel 35.2, which includes site 87, contains VOCs.

MEDIA AFFECTED: Soil, Groundwater

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Building 1084 was demolished and the debris was disposed off-site at a solid waste landfill. A concrete sump beneath the building was excavated; the contaminated soil was disposed off-site as special waste. This CERCLA Removal Action was completed in 2000.

This area is located in Functional Unit 3 on the Main Installation for which the selected CERCLA remedy includes land use controls. This area overlies the groundwater treatment area of Functional Unit 7, Groundwater at the Main Installation, where enhanced bioremediation was selected as the CERCLA remedy.

COMMENTS: This unit/area was identified during the CERCLA Remedial Investigation and was not formally designated as a SWMU or AOC. However, based upon regulatory guidance, the suspected contaminated area would be an AOC.

REFERENCES:

Final Engineering Evaluation/Cost Analysis Old Paint Shop and Maintenance Areas Parcels 35 and 28, August 1999 Remediation Report Removal Action in Parcels 35 and 28 (Old Paint Shop and Maintenance Area), September 2000 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-76 Main Installation RI Report, January 2000; Table 1-2, page 1-13 Main Installation RI Report, January 2000; Section 19.1.3.2, page 19-5 Main Installation RI Report, January 2000; Section 19.2.2, page 19-6 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40 Main Installation RI Report, January 2000; Section 16.1.1, page 16-1

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SWMU/AOC Assessment Report

UNIT NUMBER: 88

UNIT NAME: POL (Building 1085)

TYPE OF UNIT: Product Storage Area

UNIT LOCATION: Building 1085 is located in the Southwest Open Area of the Main Installation. The site is within Functional Unit 3 and CERCLA Operable Unit 2 of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: Concrete slab approximately 10 feet by 30 feet with hydraulic lift

FUNCTION OF UNIT: Concrete grease rack and storage area for POLs.

DATE(S) OF OPERATION: Unknown origination date to 2000.

DESCRIPTION OF WASTES (include hazardous constituents if known): POLs.

HAS A RELEASE OCCURRED? () Yes () No (X) Suspected () Unknown

RELEASE DATA: The Main Installation Remedial Investigation indicates that groundwater beneath subparcel 35.2, which includes site 88, contains VOCs.

MEDIA AFFECTED: Groundwater

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: The concrete slab and hydraulic lift were removed during a CERCLA Removal Action in 2000; the contaminated soils were disposed offsite as special waste and the lift and cylinders were cleaned and disposed as scrap metal. The concrete debris was disposed offsite as construction debris.

This area is located in Functional Unit 3 on the Main Installation for which the selected CERCLA remedy includes land use controls. This area overlies the groundwater treatment area of Functional Unit 7, Groundwater at the Main Installation, where enhanced bioremediation was selected as the CERCLA remedy.

COMMENTS: This unit/area was identified during the CERCLA Remedial Investigation and was not formally designated as a SWMU or AOC. However, for purposes of the RCRA Corrective Action Permit Renewal, this unit would not be considered a SWMU based upon regulatory guidance.

REFERENCES:

Final Engineering Evaluation/Cost Analysis Old Paint Shop and Maintenance Areas Parcels 35 and 28, August 1999 Remediation Report Removal Action in Parcels 35 and 28 (Old Paint Shop and Maintenance Area), September 2000 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-76 Main Installation RI Report, January 2000; Table 1-2, page 1-13 Main Installation RI Report, January 2000; Section 19.1.3.2, page 19-5 Main Installation RI Report, January 2000; Section 19.2.2, page 19-6 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40 Main Installation RI Report, January 2000; Section 16.1.1, page 16-1

AREA NUMBER: 89

AREA NAME: Acids (Building 1089) (Spill Area)

AREA LOCATION: Building 1089 is located in the Southwest Open Area of the Main Installation. The site is within Functional Unit 3 and CERCLA Operable Unit 2 portion of the Main Installation.

GENERAL DIMENSIONS AND PHYSICAL DESCRIPTION: Area outside southern portion of Building 1089.

DATE(S) OF RELEASE(S) (if known): Unknown.

DESCRIPTION OF CONTAMINANTS: Acids, paints and cleaning solvents.

RELEASE DATA: According to the initial Remedial Investigation at DDMT, spills reportedly have occurred at this site; however, specific spill information has not been identified. Surface soil sampling indicated the presence of lead, arsenic, and chromium. The Main Installation Remedial Investigation indicated that groundwater beneath subparcel 28.2, which includes site 89, contains VOCs.

MEDIA AFFECTED: Soil, Groundwater

STATUS OF REMEDIAL INVESTIGATION OR REMEDIAL ACTION: Building 1089 was decontaminated by vacuuming to remove free dust and pressure washing. The surface soil in areas outside the southern end of the building were excavated to a depth of one foot and replaced with clean backfill. The excavated soil was disposed off-site as special waste. This CERCLA Removal Action was completed in 2000.

This area is located in Functional Unit 3 on the Main Installation for which the selected CERCLA remedy includes land use controls. This area overlies the groundwater treatment area of Functional Unit 7, Groundwater at the Main Installation, where enhanced bioremediation was selected as the CERCLA remedy.

COMMENTS: This unit/area was identified during the CERCLA Remedial Investigation and was not formally designated as a SWMU or AOC. However, based upon regulatory guidance, the suspected contaminated area would be an AOC.

REFERENCES:

Final Engineering Evaluation/Cost Analysis Old Paint Shop and Maintenance Areas Parcels 35 and 28, August 1999 Remediation Report Removal Action in Parcels 35 and 28 (Old Paint Shop and Maintenance Area), September 2000 Main Installation RI Report, January 2000; Section 16.3.6, page 16-4, 16-5 Main Installation RI Report, January 2000; Table 1-2, page 1-13 Main Installation RI Report, January 2000; Section 19.1.3.2, page 19-5 Main Installation RI Report, January 2000; Section 19.2.2, page 19-6 Main Installation RI Report, January 2000; Section 16.1.1, page 16-1 BRAC Clean-up Plan, Rev. 2, Version 7, December 2003; Section 3.4.6, page 3-71 Main Installation Record of Decision, Rev. 2, February 2001; Section 2.11.1, page 2-40





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