



DEPARTMENT OF THE AIR FORCE  
27TH SPECIAL OPERATIONS WING (AFSOC)  
CANNON AIR FORCE BASE NEW MEXICO

ENTERED



Colonel Albert M. Elton II  
Commander  
100 Air Commando Way Suite 100  
Cannon AFB NM 88103-5214

Mr. Daniel Comeau  
Hazardous Waste Bureau  
New Mexico Environment Department  
2905 Rodeo Park Drive East Bldg. 1  
Santa Fe NM 87505-6063

Dear Mr. Comeau

The Cannon Air Force Base (AFB) Resource Conservation Recovery Act (RCRA) Hazardous Waste Permit is subject to renewal per 40 CFR 270 in 2013; Permit #NM7572124454. Please see the attachment for the "RCRA Hazardous Waste Permit Part A&B Application Cannon AFB". If you have any questions regarding this submittal, please contact Mr. Ronald Lancaster, Chief, Installation Management at (575) 784-1146.

Sincerely

ALBERT M. ELTON II, Colonel, USAF

cc:

Environmental Protection Agency, Region VI, Ms. Wendy Jacques w/o Attachment

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

<p><b>For EPA Regional Use Only</b></p>	 United States Environmental Protection Agency Washington, DC 20460 <h2 style="margin: 0;">Hazardous Waste Permit Application Part A</h2> <p><i>(Read the Instructions before starting)</i></p>	
<p><b>I. Facility's EPA ID Number (Mark 'X' in the appropriate box)</b></p>		
<input type="checkbox"/> <b>A. First Part A Submission</b>		<input type="checkbox"/> <b>B. Part A Amendment #</b> _____
<p><b>C. Facility's EPA ID Number</b></p> N M 7 5 7 2 1 2 4 4 5 4		<p><b>D. Secondary ID Number (If applicable)</b></p>
<p><b>II. Name of Facility</b></p> C A N N O N    A I R    F O R C E    B A S E		
<p><b>III. Facility Location (Physical address not P.O. Box or Route Number)</b></p>		
<p><b>A. Street</b></p> 2 7 S O C E S / C E I E		
<p><b>Street (Continued)</b></p> 5 0 6    A I R    C O M M A N D O    W A Y		
<p><b>City or Town</b></p> C A N N O N    A F B		<p><b>State</b>    <b>Zip Code</b></p> N M    8 8 1 0 3 - 5 1 0 8
<p><b>County Code</b></p> 0 3 5	<p><b>County Name</b></p> C U R R Y	
<p><b>B. Land Type</b></p> (Enter code) F	<p><b>C. Geographic Location</b></p> LATITUDE (Degrees, minutes, & seconds) 3 4    2 3    4 6 LONGITUDE (Degrees, minutes & seconds) 1 0 3    1 8    3 0	<p><b>D. Facility Existence Date</b></p> Month    Day    Year 0 1    0 1    1 9 6 7
<p><b>IV. Facility Mailing Address</b></p>		
<p><b>Street or P.O. Box</b></p> S A M E		
<p><b>City or Town</b></p>		<p><b>State</b>    <b>Zip Code</b></p> -
<p><b>V. Facility Contact (Person to be contacted regarding waste activities at facility)</b></p>		
<p><b>Name (Last)</b></p> E L T O N    I I		<p><b>(First)</b></p> A L B E R T    M.
<p><b>Job Title</b></p> 2 7 S O W    C O M M A N D E R		<p><b>Phone Number (Area Code and Number)</b></p> 5 7 5 - 7 8 4 - 2 7 2 7
<p><b>VI. Facility Contact Address (See instructions)</b></p>		
<p><b>A. Contact Address</b></p> Location    Mailing    Other <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<p><b>B. Street or P.O. Box</b></p> S A M E	
<p><b>City or Town</b></p>		<p><b>State</b>    <b>Zip Code</b></p> -

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<b>EPA ID Number (Enter from page 1)</b>	<b>Secondary ID Number (Enter from page 1)</b>
N M 7 5 7 2 1 2 4 4 5 4	

**VII. Operator Information (See instructions)**

<b>Name of Operator</b>											
2 7 T H S P E C I A L O P E R A T I O N S W I N G											
<b>Street or P.O. Box</b>											
1 0 0 S A I R C O M M A N D O W A Y S T E 1 0 0											
<b>City or Town</b>						<b>State</b>		<b>ZIP Code</b>			
C A N N O N A F B						N M		8 8 1 0 3 - 5 2 1 4			

<b>Phone Number (Area Code and Number)</b>	<b>B. Operator Type</b>	<b>C. Change of Operator Indicator</b>	<b>Date Changed</b>		
5 7 5 - 7 8 4 - 2 7 2 7	F	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Month	Day	Year

**VIII. Facility Owner (See instructions)**

<b>A. Name of Facility's Legal Owner</b>											
2 7 S O W / C C											
<b>Street or P.O. Box</b>											
1 0 0 S A I R C O M M A N D O W A Y											
<b>City or Town</b>						<b>State</b>		<b>ZIP Code</b>			
C A N N O N A F B						N M		8 8 1 0 3 - 5 2 1 4			

<b>Phone Number (Area Code and Number)</b>	<b>B. Owner Type</b>	<b>C. Change of Owner Indicator</b>	<b>Date Changed</b>		
5 7 5 - 7 8 4 - 2 7 2 7	F	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Month	Day	Year

**IX. NAICS Codes (in order of significance; start in left box)**

<b>First</b>	<b>Third</b>
9 7 1 1	
(Description) NATIONAL DEFENSE	(Description)
<b>Second</b>	<b>Fourth</b>
4 5 2 2	
(Description) AIR TRANSPORTATION, NON SCHEDULED	(Description)

**X. Other Environmental Permits (See instructions)**

A. Permit Type (Enter code)	B. Permit Number	C. Description
N	D P - 8 7 3	GROUND WATER DISCHARGE PERMIT
E	1 5 1 7 - M 4 R 1	AIR QUALITY PERMIT
N	N M 0 0 3 0 2 3 6	WASTEWATER NPDES PERMIT

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<b>EPA ID Number (Enter from page 1)</b>	<b>Secondary ID Number (Enter from page 1)</b>																								
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:12.5%;">N</td><td style="width:12.5%;">M</td><td style="width:12.5%;">7</td><td style="width:12.5%;">5</td><td style="width:12.5%;">7</td><td style="width:12.5%;">2</td><td style="width:12.5%;">1</td><td style="width:12.5%;">2</td><td style="width:12.5%;">4</td><td style="width:12.5%;">4</td><td style="width:12.5%;">5</td><td style="width:12.5%;">4</td> </tr> </table>	N	M	7	5	7	2	1	2	4	4	5	4	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:12.5%; height: 20px;"></td><td style="width:12.5%;"></td><td style="width:12.5%;"></td> </tr> </table>												
N	M	7	5	7	2	1	2	4	4	5	4														

**XI. Nature of Business (Provide a brief description)**

Plan and execute specialized and contingency operations using advanced aircraft, tactics, and air refueling techniques to infiltrate, exfiltrate, and resupply special operations forces and provide intelligence, surveillance and reconnaissance, and close air support in support of SOF operations.

**XII. Process Codes and Design Capacities**

**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 XIII.

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

- 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.
- UNIT OF MEASURE** - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS			APPROPRIATE UNITS OF MEASURE FOR PROCESS			PROCESS			APPROPRIATE UNITS OF MEASURE FOR PROCESS				
CODE	PROCESS	DESIGN CAPACITY	CODE	PROCESS	DESIGN CAPACITY	CODE	PROCESS	DESIGN CAPACITY	CODE	PROCESS	DESIGN CAPACITY		
<u>Disposal:</u>													
D79	Underground Injection Well Disposal	Gallons; Liters; Gallons Per Day; or Liters Per Day	T81	Cement Kiln	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; Btu Per Hour; Liters Per Hour; Kilograms Per Hour; or Million Btu Per Hour	T87	Smelting, Melting, Or Refining Furnace	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; Btu Per Hour; Gallons Per Hour; Liters Per Hour; or Million Btu Per Hour	T82	Lime Kiln			
D80	Landfill	Acre-feet; Hectare-meter; Acres; Cubic Meters; Hectares; Cubic Yards	T83	Aggregate Kiln			T88		Titanium Dioxide Chloride Oxidation Reactor		T84	Phosphate Kiln	
D81	Land Application	Acres or Hectares	T85	Coke Oven			T89		Methane Reforming Furnace		T85	Blast Furnace	
D82	Ocean Disposal	Gallons Per Day or Liters Per Day					T90		Pulping Liquor Recovery Furnace				
D83	Surface Impoundment Disposal	Gallons; Liters; Cubic Meters; or Cubic Yards					T91		Combustion Device Used In The Recovery Of Sulfur Values From Spent Sulfuric Acid				
D99	Other Storage	Any Unit of Measure Listed Below				T92	Halogen Acid Furnaces						
<u>Storage:</u>													
S01	Container	Gallons; Liters; Cubic Meters; or Cubic Yards				T93	Other Industrial Furnaces Listed in 40 CFR §260.10						
S02	Tank Storage	Gallons; Liters; Cubic Meters; or Cubic Yards				T94	Containment Building - Treatment		Cubic Yards; Cubic Meters; Short Tons Per Hour; Gallons Per Hour; Liters Per Hour; Btu Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Metric Tons Per Day; Gallons Per Day; Liters Per Day; Metric Tons Per Hour; or Million Btu Per Hour				
S03	Waste Pile	Cubic Yards or Cubic Meters				<u>Miscellaneous (Subpart X):</u>							
S04	Surface Impoundment Storage	Gallons; Liters; Cubic Meters; or Cubic Yards				X01	Open Burning/Open Detonation	Any Unit of Measure Listed Below					
S05	Drip Pad	Gallons; Liters; Acres; Cubic Meters; Hectares; or Cubic Yards				X02	Mechanical Processing	Short Tons Per Hour; Metric Tons Per Hour; Short Tons Per Day; Metric Tons Per Day; Pounds Per Hour; Kilograms Per Hour; Gallons Per Hour; Liters Per Hour; or Gallons Per Day					
S06	Containment Building Storage	Cubic Yards or Cubic Meters				X03	Thermal Unit	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; Btu Per Hour; Gallons Per Day; Liters Per Day; Metric Tons Per Hour; or Million Btu Per Hour					
S99	Other Disposal	Any Unit of Measure Listed Below				X04	Geologic Repository	Cubic Yards; Cubic Meters; Acre-feet; Hectare-meter; Gallons; or Liters					
<u>Treatment:</u>													
T01	Tank Treatment	Gallons Per Day; Liters Per Day; Short Tons Per Hour; Gallons Per Hour; Liters Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Metric Tons Per Day; or Metric Tons Per Hour				X99	Other Subpart X	Any Unit of Measure Listed Below					
T02	Surface Impoundment Treatment	Gallons Per Day; Liters Per Day; Short Tons Per Hour; Gallons Per Hour; Liters Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Metric Tons Per Day; or Metric Tons Per Hour											
T03	Incinerator	Short Tons Per Hour; Metric Tons Per Hour; Gallons Per Hour; Liters Per Hour; Btu Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Gallons Per Day; Liters Per Day; Metric Tons Per Hour; or Million Btu Per Hour											
T04	Other Treatment	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; Btu Per Hour; Gallons Per Day; Liters Per Hour; or Million Btu Per Hour											
T80	Boiler	Gallons; Liters; Gallons Per Hour; Liters Per Hour; Btu Per Hour; or Million Btu Per Hour											

UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE
Short Tons Per Hour	D	Cubic Yards	Y	Gallons	G
Metric Tons Per Hour	W	Cubic Meters	C	Gallons Per Hour	E
Short Tons Per Day	N	Acres	B	Gallons Per Day	U
Metric Tons Per Day	S	Acre-feet	A	Liters	L
Pounds Per Hour	J	Hectares	Q	Liters Per Hour	H
Kilograms Per Hour	R	Hectare-meter	F	Liters Per Day	V
Million Btu Per Hour	X	Btu Per Hour	I		

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<b>EPA ID Number (Enter from page 1)</b>	<b>Secondary ID Number (Enter from page 1)</b>
N M 7 5 7 2 1 2 4 4 5 4	

**XII. Process Codes and Design Capabilities (Continued)**

**EXAMPLE FOR COMPLETING ITEM XII (shown in line number X-1 below): A facility has a storage tank, that can hold 533.788 gallons.**

Line Number	A. Process Code (From list above)	B. PROCESS DESIGN CAPACITY		C. Process Total Number Of Units	For Official Use Only
		1. Amount (Specify)	2. Unit Of Measure (Enter code)		
X 1	S 0 2	5 3 3 . 7 8 8	G	0 0 1	
1					
2					
3					
4					
5					
6					
7					
8					
9					
1 0					
1 1					
1 2					
1 3					

**NOTE: If you need to list more than 13 process codes, attach an additional sheet(s) with the information in the same format as above. Number the lines sequentially; taking into account any lines that will be used for "other" processes (i.e., D99, S99, T04 and X99) in item XIII.**

<b>XIII. Other Processes (Follow instructions from item XII for D99, S99, T04 and X99 process codes)</b>					
Line Number (Enter #s in seg w/XII)	A. Process Code (From list above)	B. PROCESS DESIGN CAPACITY		C. Process Total Number Of Units	D. Description Of Process
		1. Amount (Specify)	2. Unit Of Measure (Enter code)		
1		N/A			
2					
3					
4					

EPA ID Number (Enter from page 1)												Secondary ID Number (Enter from page 1)											
N	M	7	5	7	2	1	2	4	4	5	4												

**XIV. Description of Hazardous Wastes**

- 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 that 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 that 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 that must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

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 item XII A. on page 3 to indicate how the waste will be stored, treated, and/or disposed of 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 item XII A. 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 XIV-D(1).
- 3. Use additional sheet, enter line number from previous sheet, and enter additional code(s) in item XIV-E.

**2. PROCESS DESCRIPTION:** If a code is not listed for a process that will be used, describe the process in the space provided on the form (D.(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.
- 2. 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 XIV (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 operation. 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.

Line Number	A. EPA HAZARD WASTE NO. (Enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (Enter code)	D. PROCESS	
				(1) PROCESS CODES (Enter)	(2) PROCESS DESCRIPTION (If a code is not entered in D(1))
X 1	K 0 5 4	900	p	T 0 3 D 8 0	
X 2	D 0 0 2	400	P	T 0 3 D 8 0	
X 3	D 0 0 1	100	P	T 0 3 D 8 0	
X 4	D 0 0 2				Included With Above

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EPA ID Number (Enter from page 1) <b>NM7572124454</b>	Secondary ID Number (Enter from page 1)
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XIV. Description of Hazardous Wastes (Continued; use additional sheets as necessary)

Line Number	A. EPA Hazardous Waste No. (Enter code)	B. Estimated Annual Quantity of Waste	C. Unit of Measure (Enter code)	D. PROCESSES																		
				(1) PROCESS CODES (Enter code)					(2) PROCESS DESCRIPTION (If a code is not entered in D(1))													
1																						
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
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EPA ID Number <i>{Enter from page 1}</i>	Secondary ID Number <i>{Enter from page 1}</i>
NM7572124454	

XIV. Description of Hazardous Wastes *(Continued; Additional Sheet)*

Line Number	A. EPA Hazardous Waste No. <i>(Enter code)</i>	B. Estimated Annual Quantity of Waste	C. Unit of Measure <i>(Enter code)</i>	E. PROCESSES	
				(1) PROCESS CODES <i>(Enter code)</i>	(2) PROCESS DESCRIPTION <i>(If a code is not entered in E(1))</i>

# **RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) HAZARDOUS AND SOLID WASTE AMENDMENTS (HSWA) CONDITIONS**

## **16.1 CORRECTIVE ACTION AT SOLID WASTE MANAGEMENT UNITS (SWMUs) AND AREAS OF CONCERN (AOC)**

### **16.1.1 General Information**

Section 3004(u) of RCRA, as amended by HSWA, and 40 CFR 264.101 require that permits issued after November 8, 1984, address corrective action for releases of hazardous waste including hazardous constituents from a solid waste management unit (SWMU) at the facility, regardless of when the waste was placed in the unit.

Section 3004(V) of RCRA (Section 207 of the Hazardous and Solid Waste Amendments of 1984) and federal regulations promulgated as 40 CFR 264.101 require corrective action beyond the facility boundary where necessary to protect human health and the environment unless the owner or operator was unable to obtain the necessary permission to undertake such actions.

Cannon AFB will ensure that all plans, reports, notifications, and other required submissions are signed and certified in accordance with 40 CFR 270.11.

All raw data, such as laboratory reports, drilling logs, bench-scale or pilot-scale data, and other supporting information gathered or generated during activities, undertaken pursuant to this permit will be maintained at the facility during the term of the permit.

### **16.1.2 Reporting Requirements**

Cannon AFB will submit to NMED signed quarterly progress reports of all activities (i.e., SWMU Assessment, Interim Measures, RCRA Facility Investigation, Corrective Measures Study) conducted pursuant to the provisions of the permit.

Copies of other reports (e.g., inspection reports), drilling logs and laboratory data will be made available to NMED upon request.

### **16.1.3 Notification For And Assessment of Newly-Identified Solid Waste Management Unit(s) (SWMUs)**

Cannon AFB will notify NMED, in writing, of any newly-identified SWMU(s); i.e., a unit not specifically identified during the RCRA Facility Assessment (RFA), discovered during the course of groundwater monitoring, field investigations, environmental audits, or other means.

Cannon AFB will submit a SWMU Assessment Report to NMED and will describe all results obtained from the SWMU investigation.

#### **16.1.4 Notification for Newly-Discovered Releases At SWMU(s)**

Cannon AFB will notify NMED, in writing, of any release(s) of hazardous waste including hazardous constituents discovered during the course of groundwater monitoring, field investigation, environmental auditing, or other activities after discovery.

#### **16.1.5 Investigation-Derived Waste**

Investigation derived waste (IDW) such as soil cuttings, well purge and development water, and or decontamination fluids will be containerized and disposed of within 90 days. In the event IDW cannot be disposed of in less than 90 days then the IDW will be moved to the Hazardous Waste Storage Facility for storage until disposal.

### **16.2 DESCRIPTION OF SOLID WASTE MANAGEMENT UNITS AND AREAS OF CONCERN**

Following are descriptions of SWMUs and AOCs identified at Cannon AFB. Table 16-1 provides a listing of SWMUs and AOCs.

## **SWMU No. 2 Recovered Diesel Tank No. 108, Appendix II Site**

SWMU No. 2; Recovered Diesel Tank No.108, is located near the former Hangar 108 that was constructed during WWII approximately 100 feet (ft.) east of an oil water separator (OWS). Hangar 108 was located in the west central portion of Cannon Air Force Base (Cannon AFB). A Resource Conservation and Recovery Act (RCRA) Facility Assessment (RFA); Administrative Record 331 (AR-331), described the suspected SWMU No. 2 location as a recovered diesel fuel tank connected to an OWS. However, the only storage tank ever associated with Hangar 108 was a 2,000-gallon underground storage tank (UST) located approximately 100 ft. east of the oil water separator that stored diesel fuel used as heating oil for the hangar. In 1989, Hangar 108 was demolished and replaced with Hangar 125. During demolition, a 2,000-gallon heating oil tank was removed from the suspected location of SWMU No. 2, and the former UST location was covered with the concrete floor of the new hangar (AR-786). This UST was originally listed as an Appendix II site but was removed from the SWMU list when EPA Region VI approved the Appendix II, Phase I RCRA Facility Investigation (RFI) work plan in March 1992. NMED approved the site for Corrective Action Complete (CAC) with Controls status in a letter dated 23 February 2011 (AR-1640). NMED Statement of Basis for a Class III Permit Modification in process classifying and subsequent listing of the SWMU as CAC with Controls.

**Public Notice for Permit Modification for fourteen (14) SWMUs on Tuesday, May 18, 2012. SWMUs included were identified as SWMUs No. 2, 4, 6, 10, 50, 72, 75, 81, 82, 96, 98, 102, 106, and 125.**

**The Permit Modification requests a change in status from Corrective Action Required to Corrective Action Complete with Controls for six (6) SWMUs, including SWMUs No.2, 4, 6, 82, 96, and 102.**

## **SWMU No. 4 Recovered Diesel Tank No. 121, Appendix II**

SWMU No. 4 was a 2,000 gallon underground heating oil storage tank; not a recovered diesel tank, at Hangar 121 that was constructed in WWII. An RFA described the suspected SWMU No. 4 location as having a recovered diesel fuel tank connected to an OWS (AR-331). Hangar 121 was demolished in 1989 and replaced with Hangar 126. The tank was removed and the old UST location became covered with the concrete floor of the new hangar. In the 2000 No Further Action Plan (AR-786), SWMU No. 4 was determined to be appropriate for No Further Action (NFA) since the diesel tank never existed. However, in January 2004 NMED determined that the SWMU did not qualify for NFA and required an RFI (AR-874) which was completed for this site (AR-1320). Sample locations were based on institutional knowledge and available demolition drawings. No chemicals of concern (COC) were detected above the reporting limits in any of the samples. This UST was originally listed as an Appendix II site but was removed from the SWMU list when EPA Region VI approved the Appendix II, Phase I RFI work plan in March 1992. NMED approved the site for CAC with controls in a letter dated 23 February 2011 (AR-1640). NMED Statement of Basis for a Class III Permit Modification in process classifying and subsequent listing of

the SWMU as CAC with Controls.

**Public Notice for Permit Modification for fourteen (14) SWMUs on Tuesday, May 18, 2012. SWMUs included were identified as SWMUs No. 2, 4, 6, 10, 50, 72, 75, 81, 82, 96, 98, 102, 106, and 125.**

**The Permit Modification requests a change in status from Corrective Action Required to Corrective Action Complete with Controls for six (6) SWMUs, including SWMUs No.2, 4, 6, 82, 96, and 102.**

**SWMU No. 6 POL Tank No. 129, Appendix II Site**

SWMU No. 6 was a 2,000 gallon underground heating oil storage tank at Hangar 129 that was constructed in WWII. This UST was also incorrectly described in the RFA as a tank that collects recovered diesel fuel from the OWS. This UST was removed following NMED UST regulations. See the Cannon AFB UST files on Hangar 129 for a complete project description. SWMU No. 6 was originally listed as an Appendix II site but was removed from the SWMU list when EPA Region VI approved the Appendix II, Phase I RFI work plan in March 1992. NMED approved the site for CAC with controls in a letter dated 23 February 2011 (AR-1640). NMED Statement of Basis for a Class III Permit Modification in process classifying and subsequent listing of the SWMU as CAC with Controls.

**Public Notice for Permit Modification for fourteen (14) SWMUs on Tuesday, May 18, 2012. SWMUs included were identified as SWMUs No. 2, 4, 6, 10, 50, 72, 75, 81, 82, 96, 98, 102, 106, and 125.**

**The Permit Modification requests a change in status from Corrective Action Required to Corrective Action Complete with Controls for six (6) SWMUs, including SWMUs No.2, 4, 6, 82, 96, and 102.**

**SWMU No. 10 POL Tank No. 170, Appendix II Site**

SWMU No.10 was a 2,000 gallon underground heating oil storage tank at Hangar 170 that was constructed in WWII. This UST was also incorrectly described in the RFA as a tank that collects recovered diesel fuel from the OWS. This UST was removed following NMED UST regulations. See the Cannon AFB UST files on Hangar 170 for a complete project description. SWMU No. 10 was originally listed as an Appendix II site but was removed from the SWMU list when EPA Region VI approved the Appendix II, Phase I RFI work plan in March 1992. NMED approved the site for CAC with controls in a letter dated 23 February 2011 (AR-1640). NMED Statement of Basis for a Class III Permit Modification in process classifying and subsequent listing of the SWMU as CAC without Controls.

**Public Notice for Permit Modification for fourteen (14) SWMUs on Tuesday, May 18, 2012. SWMUs included were identified as SWMUs No. 2, 4, 6, 10, 50, 72, 75, 81, 82, 96, 98, 102, 106, and 125.**

**The Permit Modification requests a change in status from Corrective Action Required to Corrective Action Complete without Controls for eight (8) SWMUs, including SWMUs No.10, 50, 72, 75, 81, 98, 106, and 125.**

**SWMU No. 31    Aerospace Ground Equipment (AGE) Maintenance Shop Pad,**  
**Appendix III Site**

SWMU No. 31 is located immediately adjacent and southeast of Building 186, the former AGE maintenance facility. The AGE maintenance shop pad was active from 1971 until 2008 when the AGE maintenance operations moved to its current location northeast of Building 186. The maintenance pad is an open concrete area, approximately 60 to 70 ft. wide and 240 to 280 ft. long. An open wash pad occupies a 45 square ft. area beyond the southeastern edge of the maintenance pad. Maintenance on AGE was formerly performed in Building 186 and on the southern and eastern sections of the pad. The open wash pad was frequently used to wash and clean support vehicles and equipment. The wash pad was drained separately to an adjacent OWS that was a part of the Appendix II Remedial Investigation (RI). The original OWS was removed and replaced with a new OWS in February 1997.

SWMU No.31 is not eligible for CAC without Controls status since organic contaminants exceed New Mexico Soil Screening Levels (SSLs) for residential soils, and metals in concentrations exceeding background concentrations were detected in samples obtained from outside the limits of the remedial excavation. The report was revised and resubmitted recommending a status of CAC with Controls in May 2010. A letter dated 3 June 2010 from NMED approved the Final Remedy Completion Report for SWMU No. 31 AGE Maintenance Facility for CAC with Controls status (AR-1666). A summary report and CAC Proposal will be sent to NMED in fiscal year 2013 petitioning for a Class III Permit Modification.

**SWMU No. 34    AGE Drainage Ditch, Appendix I Site**

The Aerospace Ground Equipment (AGE) Drainage Ditch is a man-made depression in the maintenance operation area that remained after railroad tracks were removed in the late 1960s. The ditch was originally 1,200 ft. long, 12 ft. wide (1/3 acre), and approximately 1 ft. deep. It originated on the northwest corner of Building 184 and ran northeast parallel to the flight line sides of Buildings 186, 191, 192, and 193. In 1991, approximately 400 ft. of the ditch in the area of Building 192 was filled and covered with concrete associated with nearby construction. The ditch receives stormwater runoff from several flight line operations and from roads, such as the concrete AGE Maintenance Shop Pad (SWMU No. 31), Chindit Boulevard, and the parking area near Building 189. Water carried by the ditch flows into an open field and evaporates. Potential contaminants carried by surface water runoff include oil, grease, fuels, and solvents.

Further investigations of the ditch were performed during the RFI Phase I study, and a 1991 RI recommended No Further Action (NFA). A Class 3 Permit Modification Request for NFA and removal of this site from the permit was submitted in September 2000.

Cannon AFB submitted a work plan for the site in April 2008 (AR-1205). The RFI Addendum Report; June 2009 (AR- 1206), was submitted with the recommendation of CAC with Control status for SWMU No. 34. NMED approved the RFI Addendum Report 7 June 2010 (AR-1656). A summary report and CAC Proposal will be sent to NMED in fiscal year 2013 petitioning for a Class III Permit Modification.

### **SWMU No. 36 MWR Auto Hobby Shop**

SWMU 36 includes a disposal pit with solvents and petroleum, oils, and lubricants as the potential source of contaminants (AR-1619). Site SWMU No. 36 is an area of potentially contaminated soil found near the current Morale, Welfare and Recreation (MWR) Outdoor Recreation Center Building No. 214. During excavation activities to prepare the site for a parking lot, a contractor reported discovering an area of potentially contaminated soil. This area was originally the MWR auto hobby shop. When a new auto hobby shop was constructed, the building was converted into the outdoor recreation center. It is unlikely the operations at the outdoor recreation center were responsible for the potential soil contamination. The potential contamination could be a remnant of the old auto hobby shop or from a previous disposal site for fluids from an aircraft engine maintenance shop operating in the early 1950s (AR-1180).

### **SWMUs No. 48A, 48B, 49, and 50 (ST-26): Underground Waste Oil Tanks**

SWMUs No. 48A, 48B, 49, and 50 were identified as former storage tank sites associated with Facility No. 4028 based on the findings of the 1987 RFA. The site was originally constructed as the Base military gas station during World War II. Limited records exist for this location, but original drawings indicate that two USTs were originally planned to be installed. SWMU No. 48A was identified as a 20,000 gallon UST used for waste oil storage, SWMU No. 48B as a 2,000 gallon AST used for overflow capacity for SWMU No. 48A, SWMU No. 49 as a 20,000 gallon UST used for waste oil storage, and SWMU No. 50 as a 20,000 gallon UST used for waste oil storage (AR-331). SWMUs No. 48B and 50 have been approved for CAC without Controls. SWMU 48B (the former 2,000 gallon AST), removed in 1992, was moved to Table 2 CAC without Controls through a Class III Permit Modification in 2005 (AR-1393). Cannon AFB's October 2008 Corrective Action Complete Proposals stated there were only two USTs at the site (not three) and SWMU 50 is a duplicate of SWMU 48A (AR-994). NMED agreed that SWMU No. 50 is a duplicate of SWMU No. 48A and approved the CAC without Controls Proposal for the SWMU (AR-1473). NMED also clarified the status of SWMUs No. 48A and 49 stating, because of their proximity, similar uses, and similar history; SWMUs No. 48A and 49 appear to be inseparable and potential contamination resulting from the two SWMUs is comingled. Therefore, NMED concluded the status of SWMU No. 48A and 49 are the same (AR-1473). No institutional knowledge or other evidence exists to indicate that any other storage tanks were ever associated with Facility No. 4028. NMED Statement of Basis for a Class III Permit Modification in process classifying and subsequent listing of SWMU No. 50 as CAC without Controls.

**Public Notice for Permit Modification for fourteen (14) SWMUs on Tuesday, May 18, 2012. SWMUs included were identified as SWMUs No. 2, 4, 6, 10, 50, 72, 75, 81, 82, 96, 98, 102, 106, and 125.**

**The Permit Modification requests a change in status from Corrective Action Required to Corrective Action Complete without Controls eight (8) SWMUs, including SWMUs No. 10, 50, 72, 75, 81, 98, 106, and 125.**

**SWMU No. 70 Oil/Water Separator No. 326 and Leach Field, Appendix III Site**

This SWMU is on the northwest corner of Building 326. The description given in the RFA as a 2000 gallon UST is incorrect. It is actually a one compartment underground separator with a 50 gallon main compartment and a detached 220 gallon underground oil storage tank. The separator is constructed of concrete and the tank is constructed of steel. The waste water is discharged to an adjacent leach field. The unit receives wash-down water generated from JP-4 fuel truck maintenance. Potential contaminants include JP-4 fuel, oil and grease. The unit has been active since 1960. The April 1992 site visit revealed oil-saturated soil and stressed vegetation in the vicinity of the leach field.

SWMU 70 was identified on Cannon AFB's RCRA Permit decision letter dated February 27, 2006 as requiring additional corrective action before sites can be petitioned for CAC. Chemicals of concern (COC) included total petroleum hydrocarbon (TPH) diesel range organics (DRO), TPH gasoline range organics (GRO), volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals, pesticides, and polychlorinated biphenyls (PCBs) (AR-135).

**SWMU No. 71 Recovered JP-4 Fuel Tank No. 390, Appendix II Site**

This unit was a 2,000-gallon underground fuel storage tank at Facility No. 390. The tank stored JP-4 fuel that escaped through pressure relief valves in the piping attached to the bulk fuel storage tanks. The fuel was periodically removed from the underground tank and returned to the bulk storage tanks. The underground tank was removed in February 1991 and replaced with an OWS.

SWMU No. 71 was identified on Cannon AFB's RCRA Permit decision letter dated February 27, 2006 as requiring additional corrective action before sites can be petitioned for CAC. COC included TPH-DRO, TPH-GRO, VOCs, SVOCs, metals, pesticides, and PCBs (AR-1135).

A site-specific health and safety plan was developed in December 2008 for final closure of SWMU No. 71 (AR-1135).

The Final Work Plan for Final Closure of SWMU No.71, Cannon AFB, New Mexico, June 2010 (AR-1622), was submitted to NMED and approved on 6 July 2010 (AR-1667). Cannon AFB programmed a project to implement the Work Plan in fiscal year 2012. A summary report and CAC Proposal will be sent to NMED in fiscal year 2013 petitioning for a Class III Permit Modification.

**SWMU No. 72 Oil/Water Separator No. 390, Appendix II**

A 2,000-gallon recovered JP-4 underground storage tank was mistakenly identified as Oil Water Separator No. 390 in the 1987 RFA (AR-331). The tank was attached to overflow piping in the bulk fuel storage area. The recovered JP-4 was periodically returned to the bulk storage fuel facility.

The underground tank was removed in April 1991 and replaced with a 2,000 gallon steel OWS. The separator is enclosed in a concrete vault. Soil samples were collected from the excavation immediately following the removal of the tank and analyzed for BTEX and total petroleum hydrocarbons (TPH). These analytes were not detected.

The OWS is used as a storage tank. The JP-4 fuel collected in the unit is periodically returned to the fuel storage facility.

In response to the work completed as part of the RFI, a letter dated 14 May 2008 from NMED (AR-1372) stated that the RFI report was accepted and Cannon AFB petitioned for CAC without Controls for SWMU No. 72 (AR-994). Cannon AFB revised and resubmitted the proposal in March 2010 (AR-1200) that was approved by NMED in a letter dated 23 February 2011 (AR-1640). NMED Statement of Basis for a Class III Permit Modification in process classifying and subsequent listing of the SWMU as CAC without Controls.

**Public Notice for Permit Modification for fourteen (14) SWMUs on Tuesday, May 18, 2012. SWMUs included were identified as SWMUs No. 2, 4, 6, 10, 50, 72, 75, 81, 82, 96, 98, 102, 106, and 125.**

**The Permit Modification requests a change in status from Corrective Action Required to Corrective Action Complete without Controls eight (8) SWMUs, including SWMUs No. 10, 50, 72, 75, 81, 98, 106, and 125.**

#### **SWMU No. 75 Sanitary Sewage Lift Station Overflow Pit, Appendix I Site**

This unit served as an emergency overflow containment area for a lift station in the northwest area of the base. Since the original Installation Restoration Program (IRP) investigation, this area has been reworked twice to improve drainage around the old golf course and to create new water hazards for the new section of the golf course. Therefore; one will not find any remnants of the overflow pit. The pit was approximately 100 ft. by 600 ft. by 2.5 ft. deep or approximately 6,700 cubic yards. The pit was used once in February 1983 when 100,000 to 150,000 gallons of raw domestic sewage were bypassed to the area when the lift pumps failed. The only hazardous wastes would have been from the domestic sewage. The pumps were repaired in approximately one week and the sewage was cycled through the lift station.

In October 1990, EPA Region VI concluded that the Sanitary Sewage Lift Station Overflow Pit warrants no further action because this site was an accidental spill and; therefore, did not qualify as an SWMU. Accidental spills are not included in the definition of an SWMU as defined in the following excerpt from the EPA RFA Guidance: "The definition does not include accidental spills from production areas and units in that wastes have not been managed." NMED Statement of Basis for a Class III Permit Modification in process classifying and subsequent listing of the SWMU as CAC without Controls.

**Public Notice for Permit Modification for fourteen (14) SWMUs on Tuesday, May 18, 2012. SWMUs included were identified as SWMUs No. 2, 4, 6, 10, 50, 72, 75, 81, 82, 96, 98, 102, 106, and 125.**

**The Permit Modification requests a change in status from Corrective Action Required to Corrective Action Complete without Controls eight (8) SWMUs, including SWMUs No.10, 50, 72, 75, 81, 98, 106, and 125.**

**SWMU No. 77 Civil Engineering Container Storage Area, Appendix III Site**

SWMU 77, Civil Engineering Container Storage Area; Facility No. 4038, is located east of Building 252 and south of the northern boundary fence of Cannon AFB. The Container Storage Area consists of a concrete pad measuring approximately 150 ft. by 250 ft. surrounded by an eight foot high fence with a locked gate. The fenced pad area is surrounded by gravel on the east and south sides. The site is relatively flat.

The Civil Engineering Squadron stores supplies and used materials, such as transformers, street signs, street lights, and heavy equipment parts on the concrete. Several 55 gallon drums were also stored on the concrete. Preliminary inspection indicates that the drums contained varying amounts of waste products, including water, oil, solvents, and asphaltic material. No evidence of contamination was observed at the site during the April 1992 site visit. Potential contaminants at this site include waste oil and solvents. aviation fuel, waste paint materials, polychlorinated biphenyls (PCBs), and pesticides.

SWMU 77 did not contain any significant ecological component such that a formal ecological risk assessment was warranted (AR-786). A Final Corrective Measure Implementation Work Plan for SWMU No. 77 was completed in January 1999 (AR-1000). The Corrective Measures Study submitted to NMED in June 2000 recommended NFA for SWMU 77 (AR-780). The SWMU remained on the RCRA Part B Permit Modification of 2006 as a SWMU “requiring further corrective measures”. Cannon AFB submitted, and NMED approved a request of deferment of SWMU No. 77 in September 2007 (AR-1089). SWMU No. 77 will remain in Table 1; “List of SWMUs and Areas of Concern Requiring Corrective Action” of the Permit until corrective action at the unit is complete. Once the SWMU is no longer in use, Cannon AFB must evaluate the need for investigation and corrective action.

**SWMU No. 78 Fire Department Training Area No. 1, Appendix I Site**

Fire Department Training Area No. 1 is in the northeast corner of the base. The facility is an unlined surface approximately 100 ft. in diameter and was in use from 1959 to 1968. Approximately 300 gallons of waste oils, solvents, and fuels were poured on the ground surface twice monthly to create fires. The area is defined by abundant aluminum slag and slightly stressed vegetation.

Cannon AFB submitted a work plan for the site in April 2008 (AR-1205). The RFI Addendum Report- June 2009 (AR-1206) was submitted with the recommendation of CAC with Controls status for SWMU No.78 that was approved by NMED in a Notice of Approval letter dated 7 June 2010 (AR-1656). A summary report and CAC Proposal will be sent to NMED in fiscal year 2013 petitioning for a Class III Permit Modification.

**SWMU No. 79 Underground Tank, Appendix II Site**

The RFA describes this unit as a 2,000-gallon underground storage tank at the Fire Department Training Area No.1 (SWMU No. 78). However, a thorough records search and several personnel interviews have failed to document the existence of this tank. Therefore, EPA Region VI removed this SWMU from the RFI Appendix II, Phase I, investigation in its approval of the Appendix II, Phase I Work Plan.

**Public Notice for Permit Modification for nine (9) units, two AOCs and seven SWMUs. Includes sites AOC B and AOC C; SWMUs No.79, 86, 87, 88, 89, 90, and 124 on May 18, 2012.**

**The Permit Modification requests a change in status from Corrective Action Required to Corrective Action Complete without Controls for seven (7) SWMUs, including SWMUs No. 79, 86, 87, 88, 89, 90, and 124.**

**SWMU No. 81 Solvent Disposal Site, Appendix I Site**

This site was first identified in the 1983 IRP Phase I Records Search as consisting of two empty drums labeled "trichloroethylene" lying on the ground. The drums were positioned to drain into a shallow pit. The site was about 300 ft. east of Fire Training Area No. 1 and 100 ft. south of the north installation fence. The site could not be located during the preparation of the RFA in 1987 or during the site visit for the Appendix I, Phase I REI Work Plan. NMED Statement of Basis for a Class III Permit Modification in process classifying and subsequent listing of the SWMU as CAC without Controls.

**Public Notice for Permit Modification for fourteen (14) SWMUs on Tuesday, May 18, 2012. SWMUs included were identified as SWMUs No. 2, 4, 6, 10, 50, 72, 75, 81, 82, 96, 98, 102, 106, and 125.**

**The Permit Modification requests a change in status from Corrective Action Required to Corrective Action Complete without Controls eight (8) SWMUs, including SWMUs No. 10, 50, 72, 75, 81, 98, 106, and 125.**

**SWMU No. 82 Landfill No. 2, Appendix I Site**

Landfill No. 2 was a cut and burn landfill of approximately 4 acres that was active during 1946-47 and 1951-59. The landfill received domestic and industrial wastes including solvents, paint, thinners, waste oils, and peroxide containers. The landfill is on the far northeast corner of the installation boundary. The area is marked by a slightly hummocky ground surface and is covered with prairie grasses. There is no evidence of stressed vegetation. NMED Statement of Basis for a Class III Permit Modification in process classifying and subsequent listing of the SWMU as CAC with Controls.

**Public Notice for Permit Modification for fourteen (14) SWMUs on Tuesday, May 18, 2012. SWMUs included were identified as SWMUs No. 2, 4, 6, 10, 50, 72, 75, 81, 82, 96, 98, 102, 106, and 125.**

**The Permit Modification requests a change in status from Corrective Action Required to Corrective Action Complete with Controls for six (6) SWMUs, including SWMUs No. 2, 4, 6, 82, 96, and 102.**

**SWMU No. 85 Stormwater Collection Point**

This unit is commonly called the South Playa Lake. It is a naturally occurring nine acre playa in the south central area of the Base. The playa is approximately 15 ft. at its deepest point. It receives stormwater runoff from portions of the flight line area. Solvents, fuels, oils, and greases are the potential contaminants. The playa has also been a repository for rubble from the destruction of runways. The area is covered with prairie grasses and is designated as a wetland.

RFI Addendum Report; June 2009 (AR-1206), was submitted with the recommendation of CAC with Control status for SWMU 85 because the maximum arsenic concentration detected during the RFI was above the residential NMED SSL, but below the industrial NMED SSL. NMED approved the RFI Addendum Report 7 June 2010.

**SWMUs No. 86, 87, 88, 89, and 90 (SD-11): Engine Test Cell, Overflow Pit, Leach Field, Evaporation Pond, and OWS No. 5114**

Although these five sites were listed in two different appendices, they were all studied during the Appendix I, Phase I RFI. The Engine Test Cell; SD-11, was the main component of the entire system and all effluent from that test cell drained through or into four SWMUs. The remains of this test cell are located in the central area of the Base in the Engine Test Cell Area. The unit was active from 1965 to 1988.

The building structure was removed and only the concrete foundation and underground utilities remain. Potential contaminants from the test cell include JP-4 fuel, oils, greases, and solvents mixed with wash down water generated from aircraft engine cleaning operations. The test cell area was covered with prairie grass until the unit became temporarily active; this activity resulted in the grass being killed off due to jet blast. The unit remained active until a new hush-house was constructed. Despite the removal of the OWS associated with the site; removed in July and August 1994, not all contamination could be removed due to the depth of impact. Contaminated soil was removed to the greatest extent possible and the site was backfilled with clean soil.

**Public Notice for Permit Modification for nine (9) units, two AOCs and seven SWMUs. Includes sites AOC B and AOC C; SWMUs No. 79, 86, 87, 88, 89, 90, and 124 on May 18, 2012.**

**The Permit Modification requests a change in status from Corrective Action Required to Corrective Action Complete without Controls for seven (7) SWMUs, including SWMUs No. 79, 86, 87, 88, 89, 90, and 124.**

### **SWMU No. 91 Recovered Fuel Tank No. 5114, Appendix III Site**

This unit was a 5,000 gallon aboveground JP-4 bulk storage tank located at the test stand No. 5114. The RFA incorrectly identified this tank as storing recovered fuel from the OWS No. 5114; SWMU No. 86 (AR-331). JP-4 was used to fuel engines on the test stand. The tank was removed in 1988 when the test stand was demolished. Because the tank did not store or manage wastes and was; therefore, not designated as a SWMU, it is anticipated that EPA Region VI will remove this site from Cannon AFB Part B permit before it is investigated during the RFI Phase 3 study.

The Final RFI Addendum Report for SWMU No. 91 was submitted June 2009 and CAC without Controls status was recommended (AR-1206). A Notice of Disapproval (NOD) of the RFI report was issued by NMED December 2009 indicating specifically for SWMU No. 91 at Cannon AFB “....must provide a figure depicting the location of the former AST, the area that was under water during the field work, the area that was re-graded with fill material and the locations of the three soil borings” (AR-1488). The report was approved 7 June 2010.

### **SWMU No. 95 Northeast Storm water Drainage Area (SD-20), Appendix I Site**

This area is a natural depression extending approximately 40 ft. from the northeast end of Runway 4/22 to an open field. The 3.5 acre area receives water from several OWS along the flight line and runoff water from runways as well as stormwater drains in the east area of the base. Water entering this SWMU may contain oil and grease, fuels, solvents, and alkaline based aircraft cleaning compounds. The area is covered with prairie grasses and grasses associated with wetlands. Due to the volume of water it receives from runoff, its vegetation is thicker and remains greener throughout the summer.

Cannon AFB conducted additional investigative and/or corrective action activities to achieve applicable cleanup levels at SWMU No. 95 (AR-1091). Cannon AFB submitted a revised Final Revision 1 RFI for 21 SWMUs in October 2007 including SWMU No. 95 (AR-1320); however, NMED stated in their May 2008 letter that additional investigation and/or cleanup was required for the site before a corrective action designation could be given (AR-1372).

### **SWMU No. 96 Old Entomology Rinse Area, Appendix I Site**

The Old Entomology Rinse Area was behind pesticide storage Building No. 2160 approximately 200 ft. north of the sewage lagoons. Building No. 2160 was abandoned in October 1983 and demolished in September 1984. Pesticide and herbicide application equipment was rinsed in a sink behind Building No. 2160. The sink drained to a shallow depression on the ground surface. Potential contaminants include dieldrin, Toxaphene, 2, 4-D, and DDT. NMED Statement of Basis for a Class III Permit Modification in process classifying and subsequent listing of the SWMU as CAC with Controls.

**Public Notice for Permit Modification for fourteen (14) SWMUs on Tuesday, May 18, 2012. SWMUs included were identified as SWMUs No. 2, 4, 6, 10, 50, 72, 75, 81, 82, 96, 98, 102, 106, and 125.**

**The Permit Modification requests a change in status from Corrective Action Required to Corrective Action Complete with Controls for six (6) SWMUs, including SWMUs No.2, 4, 6, 82, 96, and 102.**

**SWMU No. 97 Concrete Rubble Pile, Appendix I Site**

This unit is an area of approximately 30 acres adjacent to the perimeter road on the east area of the base designated as Landfill No. 25. The rubble pile dates to the mid-1950s in historical aerial photographs. The rubble consists primarily of construction debris, bricks, concrete blocks, asphalt road, and runway material. Most of the material originated from demolished World War II era facilities.

On 20 January 2010, NMED requested Cannon AFB identify a groundwater monitoring network and prepare a facility wide long term groundwater monitoring plan due to Cannon AFB implementing new missions and new uses of its facilities (AR-1484). The facility wide monitoring plan replaced the Long Term Monitoring and Maintenance Work Plan for the three landfills including SWMU No. 97. The monitoring plan was submitted in January 2011 (AR-1616) and approved by NMED.

**SWMU No. 98 Sanitary Sewerage Line, Appendix I Site**

The sanitary sewer lines located throughout Cannon AFB transport sanitary and industrial wastewater to the sewage lagoons. However; only the main north-south and east branch trunk lines and the transmission line flowing across the runways to the lagoons could have received hazardous constituents such as solvents, fuels, paint thinners, oil, and grease from flight line operations. The sewage line system has been in operation since 1943 with no significant problems. This line was abandoned in place and replaced with a larger sewer line during base expansion.

SWMU No. 98 is eligible for a Class 3 Permit Modification for removal from the permit, and is included in the FY11 Mid-west PBR contract for the modification in FY12. NMED Statement of Basis for a Class III Permit Modification in process classifying and subsequent listing of the SWMU as CAC without Controls.

**Public Notice for Permit Modification for fourteen (14) SWMUs on Tuesday, May 18, 2012. SWMUs included were identified as SWMUs No. 2, 4, 6, 10, 50, 72, 75, 81, 82, 96, 98, 102, 106, and 125.**

**The Permit Modification requests a change in status from Corrective Action Required to Corrective Action Complete without Controls eight (8) SWMUs, including SWMUs No. 10, 50, 72, 75, 81, 98, 106, and 125.**

**SWMU No. 101 (SD-21) Wastewater Treatment System Lagoons**

The sewage lagoons constructed in 1966 consisted of two unlined surface impoundments that received combined sanitary and industrial wastewater from Base facilities. The

lagoons operate in series and have a combined surface area of 32 acres. They are constructed with unlined earthen bottoms and concrete lined banks. They have an average liquid depth of 3 ft. with a maximum depth of 4.5 ft. The lagoons are separated by a 12 ft. wide levee. The average daily flow to the lagoons is 566,000 gallons per day.

On 20 January 2010 NMED requested Cannon AFB identify a groundwater monitoring network and prepare a facility wide long term groundwater monitoring plan due to Cannon AFB implementing new missions and new uses of its facilities (AR-1484).

On 23 February 2011, NMED states "...the Permittee may request a Class 3 Permit Modification for SWMU 101..." indicating its eligibility for closure.

### **SWMU No. 102 Wastewater Treatment System-Effluent Discharge**

SWMU No. 102 Wastewater Treatment Effluent Discharge; IRP Site No. WP-21, was located along the eastern boundary of Cannon AFB. SWMU No. 102 was an effluent discharge that directed wastewater from the former sewage lagoons; SWMU No. 101, to the self-contained Playa Lake; SWMU No. 103, to the east. The site consisted of a discharge pipe and an inlet chamber equipped with two slide gates.

In response to the work completed as part of the RFI, a letter dated May 14, 2008 from NMED; (AR-1372), stated the RFI report was accepted and Cannon AFB petitioned for a CAC with Controls for SWMU No. 102 (AR-1200). NMED disapproved the CAC Proposal in a letter dated 11 February 2010 (AR-1485).

In addition, NMED requested Cannon AFB conduct statistical comparison of site contaminate concentrations and background values to determine if arsenic and thallium are a COC as well as generate site specific dilution attenuation factor values for arsenic and thallium that are representative of conditions at SWMU No. 102. NMED approved the site for CAC in a letter dated 23 February 2011. NMED Statement of Basis for a Class III Permit Modification in process classifying and subsequent listing of the SWMU as CAC without Controls.

**Public Notice for Permit Modification for fourteen (14) SWMUs on Tuesday, May 18, 2012. SWMUs included were identified as SWMUs No. 2, 4, 6, 10, 50, 72, 75, 81, 82, 96, 98, 102, 106, and 125.**

**The Permit Modification requests a change in status from Corrective Action Required to Corrective Action Complete with Controls for six (6) SWMUs, including SWMUs No. 2, 4, 6, 82, 96, and 102.**

### **SWMU No. 103 Wastewater Playa Lake, Appendix III Site**

The Wastewater Playa Lake occupies approximately 13 acres on the east boundary of Cannon AFB. The playa receives effluent from the Wastewater Treatment System Lagoons; SWMU No. 101. The unit has been active since 1943.

A Phase II RFI Field Sampling Plan; November 1994, described the field sampling

requirements for the RFI to be completed for the Appendix III SWMUs including SWMU No.103 (AR-1198).

Results from the sampling are documented in the Summary of Risk Evaluations at the Playa Lake, July 1998 (AR-1152).

Cannon AFB submitted the Playa Lake SWMU No. 103 Phase III RFI Work Plan 1 June 2010 that was subsequently approved by NMED 8 July 2010. The revised Phase III RFI Report was submitted to NMED 31 October 2011. On 16 November 2012, NMED agreed that further site evaluation is not needed at this time.

#### **SWMU No. 104 Landfill No. 4, Appendix I Site**

Landfill No. 4 is an inactive 7 acre cut and burn landfill that was operated from 1967 to 1968. The landfill is immediately north of the Wastewater Playa Lake on the east boundary of the base. The landfill received domestic and industrial wastes including solvents, paint, thinners, waste oils, and peroxide containers. The area is covered with prairie grasses. There is no sign of stressed vegetation. Munitions personnel want to construct a facility on this site. The sites should be safe to construct on as long as no excavation takes place. The only problem would be a structural one regarding building on the surface of a landfill.

On 20 January 2010 NMED requested Cannon AFB identify a groundwater monitoring network and prepare a facility-wide long-term groundwater monitoring plan due to Cannon AFB implementing new missions and new uses of its facilities (AR-1484). The facility wide monitoring plan would replace the Long-Term Monitoring and Maintenance Work Plan for the three landfills including Landfill No. 4, submitted in January 2011 and approved by NMED (AR-1616).

#### **SWMU No. 105 Landfill No. 3, Appendix I Site**

Landfill No. 3 is an inactive cut and burn landfill that was in operation from 1959 to 1967. The 9 acre landfill is on the east boundary of the base. The ground surface is slightly hummocky and is covered with prairie grasses. The landfill received domestic and industrial wastes including solvents, paint, thinners, waste oils, and peroxide containers. There is no evidence of stressed vegetation.

Approved for Corrective Action Complete with Controls February 23, 2011.

#### **SWMU No. 106 Fire Department Training Area No. 2, Appendix I Site**

Fire Department Training Area No. 2 is a 100 ft. diameter unlined surface area in the southeast area of the base. The facility was active from 1968 to 1974. Approximately 300 gallons of fuel were poured on the ground monthly to create fires. The RFI dated October 2007 compared historical data to current NMED SSLs (AR-1320). In response to the work completed as part of the RFI; a letter dated May 14, 2008 from NMED stated the RFI report was accepted and Cannon AFB may petition for a CAC without controls for SWMU No. 106 (AR-1372). NMED Statement of Basis for a Class III Permit Modification in process classifying and subsequent listing of the SWMU as CAC without Controls.

**Public Notice for Permit Modification for fourteen (14) SWMUs on Tuesday, May 18, 2012. SWMUs included were identified as SWMUs No. 2, 4, 6, 10, 50, 72, 75, 81, 82, 96, 98, 102, 106, and 125.**

**The Permit Modification requests a change in status from Corrective Action Required to Corrective Action Complete without Controls eight (8) SWMUs, including SWMUs No. 10, 50, 72, 75, 81, 98, 106, and 125.**

**SWMU No. 107 Fire Department Training Area No. 3, Appendix I Site**

This unit is a circular area approximately 100 ft. in diameter in the southeast area of the base. The unit was active from 1968 to 1974. Approximately 300 gallons of fuel were poured on the ground monthly to create fires. The area is unremarkable in appearance.

NMED stated in their May 2008 letter that additional investigation and/or cleanup was required for the site before a corrective action designation could be given (AR-1372). Cannon AFB submitted a Work Plan Addendum for the site in April 2008 (AR-1205). RFI Addendum Report June 2009 (AR-1206) was submitted with the recommendation of CAC without Control status for SWMU No.107. Remedial Action Construction (RAC) Work Plan for SWMU No. 107 was submitted and approved by NMED June 2012. The RAC consisted of excavation of impacted soils based on previous site investigative activities. Excavation activities were completed in February 2013. The "Final" report detailing RAC activities under preparation.

**SWMU No. 108 Explosive Ordnance Disposal (EOD) Activities Area, Appendix II Site**

This unit is an active ammunition disposal site of unknown type and construction. The site is estimated to be 1,800 ft. in diameter and is located in the southeastern area of the Base. The site has been used for ammunition disposal training operations once a month with a five pound explosive limit; light munitions. The site has probably been active whenever the facility has been in operation starting in 1942. Unknown types and quantities of ammunition were disposed of at the site. Method of disposal is not known (AR-331). This site has been deferred since it is still active.

**SWMU No. 109 Fire Department Training Areas No. 4, Appendix I Site**

**SWMU No. 110 Underground Waste Oil Tank No. 2336, Appendix II Site**

**SWMU No. 111 Unlined Pit, Appendix I Site**

**SWMU No. 112 Oil/Water Separator No. 2336, Appendix III Site**

Fire Department Training Area No. 4 is a circular area approximately 400 ft. in diameter in the southeast area of the base. The area was used as a fuel truck cleaning facility from 1961

to 974. The area has been used as a fire training area from 1974 to the present. The site has undergone configuration modifications throughout its history such that several former and present areas of the facility are listed as individual SWMUs including the Underground Waste Oil Tank; SWMU No. 110, the Unlined Pit; SWMU No. 111, and the OWS; SWMU No. 112. These SWMUs were incorporated into one unit for the purposes of the Appendix I Phase I RFI Investigation. The training area incorporated a mock aircraft, an automobile chassis, and an aboveground fuel storage tank. Approximately 300 gallons of reclaimed JP-4 fuel were sprayed onto the mock aircraft before each exercise. The fuel was typically contaminated with water or solvents. The mock aircraft sat on a concrete "pan" that directs the runoff to the OWS via underground piping. Soil staining was observed in and around the area of the concrete "pan". Fire training exercises were also conducted on the automobile chassis. However, the chassis does not appear to have a runoff collection system. Soil staining was also evident around the chassis. The Underground Waste Oil Tank; SWMU No.110 was used to store JP-4 fuel for use during the training exercises. The tank was removed in 1988 after a leak was discovered in the piping associated with the tank. The contaminated soil associated with the leak was placed on top of heavy gauge plastic and remediated by aeration on a plot of land adjacent to the site. The Unlined Pit; SWMU No.111, collected runoff from the fire training exercises. The runoff consists of water JP-4 fuel and fire retardant foam. The OWS; SWMU No. 112 was constructed on the site of the pit in 1985. No visible evidence of the pit was observed during an April 1992 site visit. The OWS drains into a leach field immediately north of the SWMU.

#### **SWMU No. 124 Inactive Underground Tank 1, Appendix II Site**

This unit is a UST of unknown dimensions, depth, and construction. According to previous documentation, the tank was located near the Underground Waste Oil Tank; SWMU No. 48 in the north central area of the Base. Site inspections, record searches, and interviews with facility personnel failed to reveal the existence of a UST other than a UST associated with SWMU 48A, in the area. It is believed that SWMU No.124 is a duplicate of SWMU No.48A (AR-992). Therefore; EPA Region VI removed this SWMU from the Appendix II, Phase I RFI Investigation in its approval of the Appendix II, Phase I Work Plan.

**Public Notice for Permit Modification for nine (9) units, two AOCs and seven SWMUs. Includes sites AOC B and AOC C; SWMUs No.79, 86, 87, 88, 89, 90, and 124 on May 18, 2012.**

**The Permit Modification requests a change in status from Corrective Action Required to Corrective Action Complete without Controls for seven (7) SWMUs, including SWMUs No. 79, 86, 87, 88, 89, 90, and 124.**

#### **SWMU No. 125 Inactive Underground Tank 2 Appendix LI Site**

The RFA describes this unit as an underground tank of unknown dimensions, capacity, and construction adjacent to Building No.357. However; site inspections, record searches, and interviews with facility personnel failed to reveal the existence of this unit. Therefore; EPA Region VI removed this SWMU from the Appendix II Phase I RFI Investigation in its

approval of the Appendix II Phase I Work Plan. Personal interviews with paint shop personnel indicated this UST was removed a few years prior to the NMED current UST regulations becoming effective. However; real property records indicate the tank was abandoned in place. NMED Statement of Basis for a Class III Permit Modification in process classifying and subsequent listing of the SWMU as CAC without Controls.

**Public Notice for Permit Modification for fourteen (14) SWMUs on Tuesday, May 18, 2012. SWMUs included were identified as SWMUs No. 2, 4, 6, 10, 50, 72, 75, 81, 82, 96, 98, 102, 106, and 125.**

**The Permit Modification requests a change in status from Corrective Action Required to Corrective Action Complete without Controls eight (8) SWMUs, including SWMUs No. 10, 50, 72, 75, 81, 98, 106, and 125.**

**SWMU No. 126 Inactive Underground Tank 3, Appendix II Site**

This unit was the heating oil tank for Building No.163. This building was demolished in 1985 and Building No.164 was subsequently constructed in its place. The location of the underground tank was in front of Hangar No.162. Hangar No.162 was demolished and this UST was removed following NMED UST regulations and the site was found clean. EPA Region VI removed this SWMU from the Appendix II Phase I RFI Investigation in its approval of the Appendix II Phase I Work Plan.

**SWMU No. 127 Oil/ Water Separator and Leach Field for Facility 4095 (#1), Appendix III Site**

At one time this SWMU was identified as being as an OWS near Tank No. 4095. However, Tank No. 4095 is not a tank; it is the POL wash rack in the POL fuel truck parking area. This unit is a 135 gallon sand trap that serves the petroleum, oils, and lubricants refueling truck wash rack; Facility No. 4095. An OWS did not exist at this facility when the RFA conducted in 1987 was written. The sand trap discharged to a rectangular leach field of approximately 300 ft. in length, approximately 60 ft. east of the wash rack. There are no aboveground or underground tanks at Facility No. 4095. The sand trap has been active since 1977. However; the leach field ceased to function in the late 1980s. An OWS enclosed in a concrete vault was subsequently installed in the wash rack's drain pipe downstream of the sand trap in 1991. The wastewater drains to a new leach field approximately 40 ft. southeast of the wash rack. The original leach field remains in place. Potential contaminants include JP-4 fuel, oil, and grease.

**SWMU No. 128 Oil/Water Separator and Leach Field for Facility 4095 (#2), Appendix III Site**

This unit does not exist on Cannon AFB. Only one oil water separator is located at Facility No. 4095.

### **SWMU No. 129    Waste Oil Storage Facility No. 244**

Formerly known as AOC I. Based upon the information from the Closeout Report Contamination Assessment; July 2000 (AR-1001), the site was included in the CAC Proposal submitted in July 2008 (AR-994). In September 2009, NMED concluded the site was not appropriate for CAC since the effort conducted under AR-1001 did not clearly demonstrate if the leach field was sampled for the presence of potential contaminants (AR-1473). Therefore, the NMED considered the investigation of SWMU No. 129 incomplete. SWMU No. 129 is under a fiscal year 2011 contract for additional investigation that is scheduled for completion in fiscal year 2012.

### **AOC A    MOGAS Spill (SS-19), Appendix III Site**

This is the site of two spills of motor gasoline (MOGAS) from overturned fuel trucks. The site is approximately 400 ft. by 200 ft. Both spills occurred in the early 1960s at the present location southeast of the gymnasium; Building No. 444.

Cannon AFB completed a CAC Proposal in July 2008 and recommended that AOC A be considered for CAC without Control status (AR-992). In a letter dated 14 September 2009, NMED disapproved the CAC without Control status request stating AOC A would not be considered for Corrective Action Complete status until soil sample results indicate that lead is not present in concentrations exceeding the lead risk based ecological screening level.

### **AOC B    JP-4 Fuel Spill Site of JP-4 fuel spill**

The JP-4 Fuel Spill site was on the south apron southwest of Building No. 120. Building No. 120 was moved to another location and a new facility constructed over the site.

NMED approved the Final Report Supplemental Assessment of AOCs A, B, and C, dated December 2005, stating the AOCs had been investigated and all detected soil contaminants were reported at concentrations below residential NM SSLs (AR-1474). A Corrective Action Proposal; July 2008, was submitted to NMED for consideration for CAC without Controls determination (AR-992). In a letter dated 25 November 2009, NMED determined that corrective action is not currently required for the site. NMED Statement of Basis for a Class III Permit Modification in process classifying and subsequent listing of the AOC as CAC without Controls.

**Public Notice for Permit Modification for nine (9) units, two AOCs and seven SWMUs. Includes sites AOC B and AOC C; SWMUs No. 79, 86, 87, 88, 89, 90, and 124 on May 18, 2012.**

**The Permit Modification requests a change in status from Corrective Action Required to Corrective Action Complete without Controls for seven (7) SWMUs and two (2) AOCs including SWMUs No. 79, 86, 87, 88, 89, 90, and 124 as well as AOC B and AOC C.**

**AOC C Blown Capacitors Site, (OT-10), Appendix II Site**

Three pole mounted capacitors exploded in 1978 in the northwest area of the base. Approximately six gallons of oil thought to contain PCBs were released to the ground surface. Approximately 100 cubic yards of soil were excavated and drummed immediately following the incident. The drummed soil was disposed of off base in a permitted disposal facility. No visible evidence of the spill was observed during an April 1992 site visit. NMED Statement of Basis for a Class III Permit Modification in process classifying and subsequent listing of the AOC as CAC without Controls.

**Public Notice for Permit Modification for nine (9) units, two AOCs and seven SWMUs. Includes sites AOC B and AOC C; SWMUs No. 79, 86, 87, 88, 89, 90, and 124 on May 18, 2012.**

**The Permit Modification requests a change in status from Corrective Action Required to Corrective Action Complete without Controls for seven (7) SWMUs and two (2) AOCs including SWMUs No. 79, 86, 87, 88, 89, 90, and 124 as well as AOC B and AOC C.**

**TABLE 16-1**  
**LIST OF SOLID WASTE MANAGEMENT UNITS (SWMUs) AND**  
**AREAS OF CONCERN (AOCs) REQUIRING CORRECTIVE ACTION**

SWMU/AOC	DESCRIPTION	COMMENTS
SWMU 2	Recovered Tank No. 108	Underground storage tank (2000-gallon) used to collect recovered diesel fuel from SWMU 3.
SWMU 4	Recovered Tank No. 121	Underground storage tank (2000 gallon) used to collect recovered diesel fuel from SWMU 5.
SWMU 6	POL Tank No. 129	Underground storage tank (2000 gallon) used to collect recovered diesel fuel form SWMU 7.
SWMU 10	POL Tank No. 170	Underground storage tank (2000 gallon) used to collect recovered diesel fuel from SWMU.
SWMU 31	AGE Maintenance Shop Pad	Concrete apron (25 ft. by 500 ft.), that is exposed to wash-down water and spilled oil and lubricants.
SWMU 34	AGE Drainage Ditch	Unlined drainage ditch (12 ft. by 1 ft. by 1200 ft.) that receives runoff from SWMU 31.
SWMU 36	MWR Auto Body Shop	This is a possible disposal pit found near the current MWR Outdoor Recreation Center (Building 214) that was originally the MWR auto hobby shop. This pit could be a remnant of the old Auto Hobby Shop or a disposal site for fluids coming from an aircraft engine maintenance shop in the early 1950s.
SWMU 46	Oil/Water Separator 196	Underground storage tank (200 gallon) used to recover wash-down material.
SWMU 48A	Underground Waste Oil Tank	Underground storage tank (20,000 gallon) that was historically used to store waste oils, spent solvents, paint thinners, recovered fuels, engine oil, PD-680 (Type II), hydraulic fluid. and Turco cold stripper. Inactive since 1984.
SWMU 49	Inactive POL Storage Tank No. 4028a	Underground storage tank (20,000 gallon) that held used oil. Inactive since 1985.
SWMU 50	Inactive POL Storage Tank No. 4028b	Underground storage tank (20,000 gallon) that held used oil.
SWMU 70	Oil/Water Separator and Leach Field 326	Underground storage tank (20,000 gallon) that is used to recover oily material prior to discharge to a leaching
SWMU 71	Recovered JP-4 Fuel Tank No. 390	Underground storage tank (2000 gallon) that is used to collect recovered JP-4 from SWMU 72.
SWMU 72	Oil/Water Separator 390	Underground storage tank (2000 gallon) that is used to recover waste JP-4.

**TABLE 16-1  
LIST OF SOLID WASTE MANAGEMENT UNITS (SWMUs) AND  
AREAS OF CONCERN (AOCs) REQUIRING CORRECTIVE ACTION**

<b>SWMU/AOC</b>	<b>DESCRIPTION</b>	<b>COMMENTS</b>
SWMU 75	Sanitary Sewage Lift Station Overflow Pit	Unlined surface impoundment (100 ft. by 600 ft. by 3 ft.)
SWMU 77	Civil Engineering Container Storage Area	Contain storage area (100 ft. by 200 ft.) that was used to store 55 gallon drums.
SWMU 78	Fire Department Training Area No. 1	Unlined open burning area (100 ft. in diameter) used during fire fighting training exercises. Inactive since
SWMU 79	Underground Tank	Underground storage tank (2000 gallon) used to collect and store recovered JP-4.
SWMU 81	Solvent Disposal Site	Inactive surface impoundment believed to have been used to dispose of TCE.
SWMU 82	Landfill No. 2	Unlined, inactive landfill (4 acres) that received domestic and industrial solid waste, including waste oils and solvents, paints, paint strippers, paint.
SWMU 85	Stormwater Collection Point	Playa used as surface impoundment (9 acres) used to receive storm water runoff and fuel.
SWMU 86	Engine Test Cell	Enclosed tank (50 ft. by 10 ft. by 20 ft. tall) used to contain recovered fuel.
SWMU 87	Former Overflow Pit	Unlined surface impoundment (6-8 ft. in diameter) that collected wash water.
SWMU 88	Former Leaching Field	Leaching field (10,000 SF) that received wash water.
SWMU 89	Evaporation Pond	Active Concrete impoundment (60 ft. by 60 ft.) used to evaporate wash water.
SWMU 90	Oil/Water Separator No. 5114	Underground storage tank (100 gallon) used to recover JP-4 fuel.
SWMU 91	Recovered Fuel Tank No. 5114	Active aboveground storage tank (5000 gallon) used to collect recovered JP-4 from SWMU.
SWMU 95	NE Stormwater Drainage Area	Open field that receives water from oil/water separators (SWMUs 38, 39, & 46) and runoff.
SWMU 96	Old Entomology Rinse Area	Inactive open pit (3 ft. by 3 ft. by 2 ft. deep) that received decon rinse waters from pesticide.
SWMU 97	Concrete Rubble Pile (Landfill 25)	Rubble pile of concrete blocks.
SWMU 98	Sanitary Sewage Line	Active sewer used to collect sanitary and industrial wastewater.
SWMU 101	Wastewater Treatment System Lagoons	Two unlined wastewater treatment unit (WWTU) surface impoundments (32 acres).

**TABLE 16-1  
LIST OF SOLID WASTE MANAGEMENT UNITS (SWMUs) AND  
AREAS OF CONCERN (AOCs) REQUIRING CORRECTIVE ACTION**

SWMU/AOC	DESCRIPTION	COMMENTS
SWMU 102	Wastewater Treatment Effluent Discharge	Discharge pipe from wastewater treatment unit.
SWMU 103	Wastewater Playa Lake	Natural land depression (13 acres) that receives stormwater discharge and waste solvents.
SWMU 104	Landfill No. 4	Inactive, unlined landfill (7 acres); when active it received domestic and industrial solid waste, including waste oils and solvents, paints, paint.
SWMU 105	Landfill No. 3	Inactive, unlined landfill (7 acres); when active it received domestic and industrial solid waste, including waste oils and solvents, paints, paint.
SWMU 106	Fire Department Training Area No. 2	Inactive, unlined fire training area (100 ft. in diameter) used during fire training exercises.
SWMU 107	Fire Department Training Area No. 3	Inactive, unlined fire training area (100 ft. in diameter) used during fire training exercises.
SWMU 108	Explosive Ordinance Disposal Activities Area	Active Unit (1800 ft. in diameter) used for ammunition disposal training operations.
SWMU 109	Fire Department Training Area No. 4	Inactive, unlined fire training area (400 ft. in diameter) used during fire training exercises.
SWMU 110	Underground Waste Oil Tank No. 2336	Active Underground Storage Tank (2000 gallon) used to store recovered JP-4 fuel for fire training exercises.
SWMU 111	Unlined Pit	Unlined pit used to collect runoff from SWMU 109.
SWMU 112	Oil/Water Separator No. 2336	Underground Storage Tank used to recover JP-4 fuel from runoff derived during fire training exercises.
SWMU 124	Inactive Underground Storage Tank 1	Underground storage tank used to store diesel oil. Reported to have been filled with sand.
SWMU 125	Inactive Underground Storage Tank 2	Underground storage tank used to store diesel oil.
SWMU 126	Inactive Underground Storage Tank 3	Underground storage tank used to store diesel oil.

**TABLE 16-1  
LIST OF SOLID WASTE MANAGEMENT UNITS (SWMUs) AND  
AREAS OF CONCERN (AOCs) REQUIRING CORRECTIVE ACTION**

SWMU/AOC	DESCRIPTION	COMMENTS
SWMU 127	Oil/Water Separator Near Tank 4095 (#1) & Leach field	Underground storage tank used to recover wash-down materials.
SWMU 128	Oil/Water Separator Near Tank 4095 (#2) & Leach Field	Underground storage tank used to recover wash-down materials.
SWMU 129	Waste Oil Storage Facility 244	Formerly known as AOC "I"
AOC A	MOGAS Spill Site	Site of two automobile gasoline spills.
AOC B	JP-4 Fuel Spill	Site of JP-4 fuel spill.
AOC C	Blown Capacitor Site	Site of PCB spill.

SECTION 17  
REFERENCES

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