

<p><b>SEND COMPLETED FORM TO:</b> The Appropriate State or EPA Regional Office.</p>	<p align="center">United States Environmental Protection Agency</p> <p align="center"><b>RCRA SUBTITLE C SITE IDENTIFICATION FORM</b></p>						
<p><b>1. Reason for Submittal</b> (See instructions on page 14.)</p> <p>MARK ALL BOX(ES) THAT APPLY</p>	<p><b>Reason for Submittal:</b></p> <p><input type="checkbox"/> To provide Initial Notification of Regulated Waste Activity (to obtain an EPA ID Number for hazardous waste, universal waste, or used oil activities)</p> <p><input type="checkbox"/> To provide Subsequent Notification of Regulated Waste Activity (to update site identification information)</p> <p><input type="checkbox"/> As a component of a First RCRA Hazardous Waste Part A Permit Application</p> <p><input checked="" type="checkbox"/> As a component of a Revised RCRA Hazardous Waste Part A Permit Application (Amendment # _____)</p> <p><input type="checkbox"/> As a component of the Hazardous Waste Report</p>						
<p><b>2. Site EPA ID Number</b> (page 15)</p>	<p><b>EPA ID Number</b></p> <p align="center">  O   R   6     2   1   3     8   2   0     9   1   7  </p>						
<p><b>3. Site Name</b> (page 15)</p>	<p><b>Name:</b> Umatilla Chemical Depot Storage</p>						
<p><b>4. Site Location Information</b> (page 15)</p>	<p><b>Street Address:</b> Interstate I-84 and Exit 177</p> <table border="1" data-bbox="371 867 1519 982"> <tr> <td><b>City, Town, or Village:</b> Hermiston</td> <td><b>State:</b> Oregon</td> </tr> <tr> <td><b>County Name:</b> Umatilla / Morrow</td> <td><b>Zip Code:</b> 97383-9544</td> </tr> </table>			<b>City, Town, or Village:</b> Hermiston	<b>State:</b> Oregon	<b>County Name:</b> Umatilla / Morrow	<b>Zip Code:</b> 97383-9544
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<b>County Name:</b> Umatilla / Morrow	<b>Zip Code:</b> 97383-9544						
<p><b>5. Site Land Type</b> (page 15)</p>	<p><b>Site Land Type:</b> <input type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input checked="" type="checkbox"/> Federal <input type="checkbox"/> Indian <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other</p>						
<p><b>6. North American Industry Classification System (NAICS) Code(s) for the Site</b> (page 15)</p>	<p><b>A.</b></p> <p align="center">  9   2   8   1   1   0  </p>	<p><b>B.</b></p> <p align="center">             </p>					
	<p><b>C.</b></p> <p align="center">             </p>	<p><b>D.</b></p> <p align="center">             </p>					
<p><b>7. Site Mailing Address</b> (page 16)</p>	<p><b>Street or P. O. Box:</b> Umatilla Chemical Depot</p> <p><b>City, Town, or Village:</b> Hermiston</p> <p><b>State:</b> OR</p> <table border="1" data-bbox="371 1465 1519 1524"> <tr> <td><b>Country:</b> USA</td> <td><b>Zip Code:</b> 97383-9544</td> </tr> </table>			<b>Country:</b> USA	<b>Zip Code:</b> 97383-9544		
<b>Country:</b> USA	<b>Zip Code:</b> 97383-9544						
<p><b>8. Site Contact Person</b> (page 16)</p>	<p><b>First Name:</b> Deborah</p>	<p><b>MI:</b> S</p>	<p><b>Last Name:</b> Lopez</p>				
	<p><b>Phone Number:</b> 541-564-5252      <b>Extension:</b></p>	<p><b>Email address:</b> deborah.lopez@umcd.army.mil</p>					
<p><b>9. Operator and Legal Owner of the Site</b> (pages 16 and 17)</p>	<p><b>A. Name of Site's Operator:</b> United States Army CMA      <b>Date Became Operator (mm/dd/yyyy):</b> 04/19/1983</p> <p><b>Operator Type:</b> <input type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input checked="" type="checkbox"/> Federal <input type="checkbox"/> Indian <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other</p> <table border="1" data-bbox="371 1814 1519 1898"> <tr> <td><b>B. Name of Site's Legal Owner:</b> United States Army CMA</td> <td><b>Date Became Owner (mm/dd/yyyy):</b> 04/19/1983</td> </tr> </table> <p><b>Owner Type:</b> <input type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input checked="" type="checkbox"/> Federal <input type="checkbox"/> Indian <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other</p>			<b>B. Name of Site's Legal Owner:</b> United States Army CMA	<b>Date Became Owner (mm/dd/yyyy):</b> 04/19/1983		
<b>B. Name of Site's Legal Owner:</b> United States Army CMA	<b>Date Became Owner (mm/dd/yyyy):</b> 04/19/1983						

9. Legal Owner (Continued) Address	Street or P. O. Box: Umatilla Chemical Depot AMSCM-OPUM-RDE	
	City, Town, or Village: Hermiston	
	State: Oregon	
	Country: USA	Zip Code: 97838-9544

**10. Type of Regulated Waste Activity**  
 Mark "Yes" or "No" for all activities; complete any additional boxes as instructed. (See instructions on pages 18 to 21.)

**A. Hazardous Waste Activities**  
 Complete all parts for 1 through 6.

- 1. Generator of Hazardous Waste**  
 If "Yes", choose only one of the following - a, b, or c.
- a. LQG: Greater than 1,000 kg/mo (2,200 lbs./mo.) of non-acute hazardous waste; or
  - b. SQG: 100 to 1,000 kg/mo (220 - 2,200 lbs./mo.) of non-acute hazardous waste; or
  - c. CESQG: Less than 100 kg/mo (220 lbs./mo.) of non-acute hazardous waste
- In addition, indicate other generator activities.
- d. United States Importer of Hazardous Waste
  - e. Mixed Waste (hazardous and radioactive) Generator

- 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 activity.
- 4. Recycler of Hazardous Waste (at your site)**
- 5. Exempt Boiler and/or Industrial Furnace**  
 If "Yes", mark each that applies.
  - a. Small Quantity On-site Burner Exemption
  - b. Smelting, Melting, and Refining Furnace Exemption

**6. Underground Injection Control**

**B. Universal Waste Activities**

**1. Large Quantity Handler of Universal Waste (accumulate 5,000 kg or more) [refer to your State regulations to determine what is regulated]. Indicate types of universal waste generated and/or accumulated at your site. If "Yes", mark all boxes that apply:**

	<u>Generate</u>	<u>Accumulate</u>
a. Batteries	<input type="checkbox"/>	<input type="checkbox"/>
b. Pesticides	<input type="checkbox"/>	<input type="checkbox"/>
c. Thermostats	<input type="checkbox"/>	<input type="checkbox"/>
d. Lamps	<input type="checkbox"/>	<input type="checkbox"/>
e. Other (specify) _____	<input type="checkbox"/>	<input type="checkbox"/>
f. Other (specify) _____	<input type="checkbox"/>	<input type="checkbox"/>
g. Other (specify) _____	<input type="checkbox"/>	<input type="checkbox"/>

**2. Destination Facility for Universal Waste**  
 Note: A hazardous waste permit may be required for this activity.

**C. Used Oil Activities**

Mark all boxes that apply.

- 1. Used Oil Transporter**  
 If "Yes", mark each that applies.
  - a. Transporter
  - b. Transfer Facility
- 2. Used Oil Processor and/or Re-refiner**  
 If "Yes", mark each that applies.
  - a. Processor
  - b. Re-refiner
- 3. Off-Specification Used Oil Burner**
- 4. Used Oil Fuel Marketer**  
 If "Yes", mark each that applies.
  - a. Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner
  - b. Marketer Who First Claims the Used Oil Meets the Specifications

**11. Description of Hazardous Wastes (See instructions on page 22.)**

**A. Waste Codes for Federally Regulated Hazardous Wastes.** Please list the waste codes of the Federal hazardous wastes handled at your site. List them in the order they are presented in the regulations (e.g., D001, D003, F007, U112). Use an additional page if more spaces are needed.

D001	D002	D003	D004	D005	D006	D007
D008	D009	D010	D011	D012	D013	D014
D015	D016	D017	D018	D019	D020	D021

**B. Waste Codes for State-Regulated (i.e., non-Federal) Hazardous Wastes.** Please list the waste codes of the State-regulated hazardous wastes handled at your site. List them in the order they are presented in the regulations. Use an additional page if more spaces are needed for waste codes.

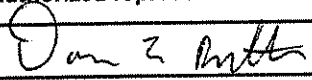
F998	F999	P998	P999			

**12. Comments (See instructions on page 22.)**

11.A. Continuation

D022	D026	D027	D028	D029	D031	D032
D033	D034	D035	D036	D037	D038	D039
D040	D041	D042	D043	F001	F002	F003
F004	F005	F027	U002	U014	U018	U019
U037	U044	U051	U056	U080	U088	U117
U122	U131	U134	U140	U154	U165	U210
U220	U227	U228	U239	U240		

**13. Certification.** I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. For the RCRA Hazardous Waste Part A Permit Application, all operator(s) and owner(s) must sign (see 40 CFR 270.10 (b) and 270.11). (See instructions on page 22.)

Signature of operator, owner, or an authorized representative	Name and Official Title (type or print)	Date Signed (mm/dd/yyyy)
	Donna E. Rutten, LTC, CM, Commanding	10/27/2005

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United States Environmental Protection Agency  
**HAZARDOUS WASTE PERMIT INFORMATION FORM**

1. Facility Permit Contact (See instructions on page 23)	First Name: Deborah	MI: S	Last Name: Lopez
	Phone Number: (541) 564-5252		Phone Number Extension: NA
2. Facility Permit Contact Mailing Address (See instructions on page 23)	Street or P.O. Box: Umatilla Chemical Depot		
	City, Town, or Village: Hermiston		
	State: Oregon		
	Country: Umatilla / Morrow	Zip Code: 97838-9544	
3. Operator Mailing Address and Telephone Number (See instructions on page 23)	Street or P.O. Box: Umatilla Chemical Depot		
	City, Town, or Village: Hermiston		
	State: Oregon		
	Country: Umatilla / Morrow	Zip Code: 97838-9544	Phone Number (541) 564-5200
4. Legal Owner Mailing Address and Telephone Number (See instructions on page 23)	Street or P.O. Box: Commander Umatilla Chemical Depot AMSCM-OPUM-RDE		
	City, Town, or Village: Hermiston		
	State: Oregon		
	Country: Umatilla / Morrow	Zip Code: 97838-9544	Phone Number (541) 564-5200
5. Facility Existence Date (See instructions on page 24)	Facility Existence Date (mm/dd/yyyy): 04/19/1983		

6. Other Environmental Permits (See instructions on page 24)												
A. Permit Type (Enter code)	B. Permit Number										C. Description	
N	2	0	0	-	J							General Permit NPDES
P	2	5	-	0	0	2	4					Air Contaminant Discharge Permit
E	1	0	2	0	3	1						Water Pollution Control Facilities - Imhoff Tank
E	1	0	1	4	5	6						Water Pollution Control Facilities - Bldg 656 & UMCDF
E	B	B	H	J	A	,	B	B	H	J	B	Diesel and Gasoline UST

7. Nature of Business (Provide a brief description; see instructions on page 24)

The UMCD is a munitions storage facility established by the U.S. Army in 1941. Currently, its main operation is chemical munitions management under the Army's Chemical Materials Agency (CMA). The UMCD Storage Areas house the hazardous waste munitions, agent-related hazardous wastes (such as contaminated equipment and decontamination solutions), and non-agent related hazardous wastes.

8. Process Codes and Design Capacities (See instructions on page 24) - Enter information in the Sections on Form Page 3.

A. PROCESS CODE - Enter the code from the list of process codes in the table below that best describes each process to be used at the facility. Five lines are provided for entering codes. If more lines are needed, attach a separate sheet of paper with the additional information. For processes (i.e., D99, S99, T04 and X99), enter the process information in Item 9 (including a description).

B. PROCESS DESIGN CAPACITY- For each code entered in Section 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 Section B(1), enter the code in Section 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 CODE	PROCESS	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS CODE	PROCESS	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
	<u>Disposal:</u>			<u>Treatment (continued):</u>	
D79	Underground Injection Well Disposal	Gallons; Liters; Gallons Per Day; or Liters Per Day	T81	Cement Kiln	For T81-T93:
D80	Landfill	Acre-feet; Hectare-meter; Acres; Cubic Meters; Hectares; Cubic Yards	T82	Lime Kiln	
D81	Land Treatment	Acres or Hectares	T83	Aggregate 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
D82	Ocean Disposal	Gallons Per Day or Liters Per Day	T84	Phosphate Kiln	
D83	Surface Impoundment Disposal	Gallons; Liters; Cubic Meters; or Cubic Yards	T85	Coke Oven	
D99	Other Disposal	Any Unit of Measure in Code Table Below	T86	Blast Furnace	
	<u>Storage:</u>		T87	Smelting, Melting, or Refining Furnace	Hour; Liters Per Hour; Kilograms Per Hour; or Million Btu Per Hour
S01	Container	Gallons; Liters; Cubic Meters; or Cubic Yards	T88	Titanium Dioxide Chloride Oxidation Reactor	
S02	Tank Storage	Gallons; Liters; Cubic Meters; or Cubic Yards	T89	Methane Reforming Furnace	
S03	Waste Pile	Cubic Yards or Cubic Meters	T90	Pulping Liquor Recovery Furnace	
S04	Surface Impoundment Storage	Gallons; Liters; Cubic Meters; or Cubic Yards	T91	Combustion Device Used In The Recovery Of Sulfur Values From Spent Sulfuric Acid	
S05	Drip Pad	Gallons; Liters; Acres; Cubic Meters; Hectares; or Cubic Yards	T92	Halogen Acid Furnaces	
S06	Containment Building Storage	Cubic Yards or Cubic Meters	T93	Other Industrial Furnaces Listed In 40 CFR §260.10	
S99	Other Storage	Any Unit of Measure in Code Table Below	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
	<u>Treatment:</u>			<u>Miscellaneous (Subpart X):</u>	
T01	Tank Treatment	Gallons Per Day; Liters Per Day	X01	Open Burning/Open Detonation	Any Unit of Measure in Code Table Below
T02	Surface Impoundment Treatment	Gallons Per Day; Liters Per Day	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
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	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; 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	X04	Geologic Repository	Cubic Yards; Cubic Meters; Acre-feet; Hectare-meter; Gallons; or Liters
T80	Boiler	Gallons; Liters; Gallons Per Hour; Liters Per Hour; Btu Per Hour; or Million Btu Per Hour	X99	Other Subpart X	Any Unit of Measure Listed Below

UNIT OF MEASURE	UNIT OF MEASURE CODE
Gallons.....	G
Gallons Per Hour.....	E
Gallons Per Day.....	U
Liters.....	L
Liters Per Hour.....	H
Liters Per Day.....	V

UNIT OF MEASURE	UNIT OF MEASURE CODE
Short Tons Per Hour.....	D
Metric Tons Per Hour.....	W
Short Tons Per Day.....	N
Metric Tons Per Day.....	S
Pounds Per Hour.....	J
Kilograms Per Hour.....	R
Million Btu Per Hour.....	X

UNIT OF MEASURE	UNIT OF MEASURE CODE
Cubic Yards.....	Y
Cubic Meters.....	C
Acres.....	B
Acre-feet.....	A
Hectares.....	Q
Hectare-meter.....	F
Btu Per Hour.....	I

3. Process Codes and Design Capacities (Continued)

EXAMPLE FOR COMPLETING Item 8 (shown in line number X-1 below): A facility has a storage tank, which 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	S	9	9	2,395,800.00	G	120						
2	S	0	1	279,510.00	G	014						
3	S	0	1	36,300.00	G	001						
4												
5												
6												
7												
8												
9												
1 0												
1 1												
1 2												
1 3												
1 4												
1 5												

NOTE: If you need to list more than 15 process codes, attach an additional sheet(s) with the information in the same format as above. Number lines sequentially, taking into account any lines that will be used for "other" processes (i.e., D99, S99, T04 and X99) in Item 9.

9. Other Processes (See instructions on page 25 and follow instructions from Item 8 for D99, S99, T04 and X99 process codes)

Line Number (Enter #s in sequence with Item 8)	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)		
X 2	T	0	4	1 0 0 . 0 0 0	U	0 0 1	In-situ Vitrification
1	S	9	9	2,395,800.00	G	120	Chemical munitions in Igloos

10. Description of Hazardous Wastes (See instructions on page 25) - Enter information in the Sections on Form Page 5.

**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 D describes the characteristics and/or the toxic contaminants of those hazardous wastes.

**B. ESTIMATED ANNUAL QUANTITY** - For each listed waste entered in Section A, estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in Section 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 Section 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	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 Section 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 listed hazardous wastes.

*For non-listed hazardous waste:* For each characteristic or toxic contaminant entered in Section 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 Section A. On the same line complete Sections 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 Section A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In Section 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.

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))										
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

0. Description of Hazardous Wastes (Continued. Use the Additional Sheet(s) as necessary; number pages as 5 a, etc.)

Line Number	A. EPA Hazardous Waste No. (Enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (Enter code)	D. PROCESSES										(2) PROCESS DESCRIPTION (If a code is not entered in D(1))	
	(1) PROCESS CODES (Enter code)																	
1	P	9	9	9	30953328	P	S	9	9									Chemical Munitions
2	P	9	9	8														Included with above
3	D	0	0	1														Included with above
4	D	0	0	3														Included with above
5	D	0	0	4														Included with above
6	D	0	0	5														Included with above
7	D	0	0	6														Included with above
8	D	0	0	7														Included with above
9	D	0	0	8														Included with above
10	D	0	0	9														Included with above
11	D	0	1	0														Included with above
12	D	0	1	1														Included with above
13	D	0	2	2														Included with above
14	D	0	2	8														Included with above
15	D	0	3	0														Included with above
16	D	0	4	3														Included with above
17	F	9	9	9	233450	P	S	0	1									Decontamination Solutions
18	F	9	9	8														Included with above
19	D	0	0	2														Included with above
20	F	0	0	2														Included with above
21	F	0	0	3														Included with above
22	F	0	0	5														Included with above
23	F	9	9	9	265,000	P	S	0	1									Agent Related Waste
24	F	9	9	8														Included with above
25	D	0	0	4														Included with above
26	D	0	0	5														Included with above
27	D	0	0	6														Included with above
28	D	0	0	7														Included with above
29	D	0	0	8														Included with above
30	D	0	0	9														Included with above
31	D	0	1	0														Included with above
32	D	0	1	1														Included with above
33	D	0	2	1														Included with above
34	D	0	2	2														Included with above
35	D	0	2	8														Included with above
36	D	0	4	3														Included with above
37	U	0	3	7														Included with above
38	U	2	1	0														Included with above
39	U	2	2	7														Included with above



10. Description of Hazardous Wastes (Continued. Use this Additional Sheet(s) as necessary; number as 5 a, etc.)															
Line Number	A. EPA Hazardous Waste No. (Enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (Enter code)	E. PROCESSES							(2) PROCESS DESCRIPTION (If a code is not entered in E(1))	
	(1) PROCESS CODES (Enter code)														
7	9	D	0	0	1	1,300	P	S	0	1					Laboratory Waste
8	0	D	0	0	2										Included with above
8	1	D	0	0	3										Included with above
8	2	D	0	0	4										Included with above
8	3	D	0	0	5										Included with above
8	4	D	0	0	6										Included with above
8	5	D	0	0	7										Included with above
8	6	D	0	0	8										Included with above
8	7	D	0	0	9										Included with above
8	8	D	0	1	0										Included with above
8	9	D	0	1	1										Included with above
9	0	D	0	1	8										Included with above
9	1	D	0	1	9										Included with above
9	2	D	0	2	1										Included with above
9	3	D	0	2	2										Included with above
9	4	D	0	2	8										Included with above
9	5	D	0	3	5										Included with above
		D	0	3	6										Included with above
9	7	D	0	3	8										Included with above
9	8	D	0	3	9										Included with above
9	9	D	0	4	0										Included with above
10	0	D	0	4	3										Included with above
10	1	U	0	0	2										Included with above
10	2	U	0	1	4										Included with above
10	3	U	0	1	8										Included with above
10	4	U	0	3	7										Included with above
10	5	U	0	4	4										Included with above
10	6	U	0	5	6										Included with above
10	7	U	1	5	4										Included with above
10	8	U	2	1	0										Included with above
10	9	U	2	2	0										Included with above
11	0	U	2	2	7										Included with above
11	1	F	0	0	1										Included with above
11	2	F	0	0	2										Included with above
11	3	F	0	0	3										Included with above
11	4	F	0	0	4										Included with above
11	5	F	0	0	5										Included with above
	6	F	9	9	8										Included with above
		F	9	9	9										Included with above

10. Description of Hazardous Wastes (Continued. Use this Additional Sheet(s) as necessary; number as 5 a, etc.)

Line Number	A. EPA Hazardous Waste No. (Enter code)			B. Estimated Annual Quantity of Waste	C. Unit of Measure (Enter code)	E. PROCESSES										(2) PROCESS DESCRIPTION (If a code is not entered in E(1))	
	(1) PROCESS CODES (Enter code)																
11	8	P	9 9 9														Included with above
11	9	P	9 9 8														Included with above
12	0	D	0 0 1	20	P	S	0	1									Off-specification methanol
12	1	U	1 5 4														Included with above
12	2	D	0 0 1	850	P	S	0	1									Degreasing (parts cleaning) waste
12	3	D	0 0 4														Included with above
12	4	D	0 0 5														Included with above
12	5	D	0 0 6														Included with above
12	6	D	0 0 7														Included with above
12	7	D	0 0 8														Included with above
12	8	D	0 0 9														Included with above
12	9	D	0 1 0														Included with above
13	0	D	0 1 1														Included with above
13	1	D	0 1 8														Included with above
13	2	D	0 3 8														Included with above
13	3	D	0 3 9														Included with above
13	4	D	0 4 0														Included with above
13	5	F	0 0 1														Included with above
13	6	F	0 0 2														Included with above
13	7	F	0 0 3														Included with above
13	8	F	0 0 4														Included with above
13	9	F	0 0 5														Included with above
14	0	D	0 0 1	980	P	S	0	1									Hydraulic & other oils & lubricants
14	1	D	0 0 4														Included with above
14	2	D	0 0 5														Included with above
14	3	D	0 0 6														Included with above
14	4	D	0 0 7														Included with above
14	5	D	0 0 8														Included with above
14	6	D	0 0 9														Included with above
14	7	D	0 1 0														Included with above
14	8	D	0 1 1														Included with above
14	9	D	0 1 8														Included with above
15	0	D	0 2 2														Included with above
15	1	D	0 2 8														Included with above
15	2	D	0 3 6														Included with above
15	3	D	0 4 3														Included with above
15	4	F	0 0 2														Included with above
15	5	F	0 0 3														Included with above
15	6	F	0 0 4														Included with above



10. Description of Hazardous Wastes (Continued. Use this Additional Sheet(s) as necessary; number as 5 a, etc.)

Line Number	A. EPA Hazardous Waste No. (Enter code)			B. Estimated Annual Quantity of Waste	C. Unit of Measure (Enter code)	E. PROCESSES										(2) PROCESS DESCRIPTION (If a code is not entered in E(1))	
	(1) PROCESS CODES (Enter code)																
19 6	D	0	2	6													Included in above
19 7	D	0	2	7													Included in above
19 8	D	0	2	8													Included in above
19 9	D	0	2	9													Included in above
20 0	D	0	3	1													Included in above
20 1	D	0	3	2													Included in above
20 2	D	0	3	3													Included in above
20 3	D	0	3	4													Included in above
20 4	D	0	3	5													Included in above
20 5	D	0	3	6													Included in above
20 6	D	0	3	8													Included in above
20 7	D	0	3	9													Included in above
20 8	D	0	4	0													Included in above
20 9	D	0	4	3													Included in above
21 0	F	0	0	1													Included in above
21 1	F	0	0	2													Included in above
21 2	F	0	0	3													Included in above
21 3	F	0	0	4													Included in above
21 4	F	0	0	5													Included in above
21 5	U	0	0	2													Included in above
21 6	U	0	1	9													Included in above
21 7	U	0	4	4													Included in above
21 8	U	0	5	6													Included in above
21 9	U	0	8	0													Included in above
22 0	U	0	8	8													Included in above
22 1	U	1	1	7													Included in above
22 2	U	1	2	2													Included in above
22 3	U	1	3	1													Included in above
22 4	U	1	4	0													Included in above
22 5	U	1	5	4													Included in above
22 6	U	1	6	5													Included in above
22 7	U	2	1	0													Included in above
22 8	U	2	2	0													Included in above
22 9	U	2	2	7													Included in above
23 0	U	2	2	8													Included in above
23 1	U	2	3	9													Included in above
23 2	D	0	0	6	100	P	S	0	1								Sandblasting residue
23 3	D	0	0	7													Included in above
23 4	D	0	0	8													Included in above







**11. Map (See instructions on pages 25 and 26)**

*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 26)**

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

**13. Photographs (See instructions on page 26)**

*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 26)**

Multiple horizontal lines for handwritten input.

## Section XIV. Description of Hazardous Wastes

### Line Item Number Justifications

Line 1 – Amount (30,935,328 pounds) represents the total weight of all chemical munitions and bulk items in storage at UMCD. All chemical munitions and bulk items are included here in accordance with OAR 340-101-0030 and OAR 340-102-0011. The total is based on an average weight for each munition type. A munitions inventory is provided in the attached table.

Line 17 – Amount of decontamination solution is taken from the 1/22/98 inventory plus estimates for increased waste generation when UMCDF operations begin. The 31,050 pounds of GB/VX decontamination solution reported in the inventory is expected to double. The amount of HD decontamination solution (1,350 pounds) is expected to remain approximately the same. The 85,000 pounds of GB/VX/HD decontamination solution reported in the inventory is expected to double when UMCDF operations begin.

Line 23 – Amount of agent-related solid waste is taken from the annual report.

Line 42 – Spent filters amount is taken from the annual report (1,600 pounds) plus an estimate for increased waste generation when UMCDF operations begin. The amount of spent filters is expected to triple when UMCDF operations begin due to increasing requirements for respirator use among transport and handling personnel.

Lines 51 and 62 – Amounts of filters and carbon are estimates based on January 1, 1998 1X waste inventory at JACADS. This number may increase as the number of igloos with ventilation system filters increases, in accordance with the requirements of OAR 340-101-0030 and OAR 340-104-1201.

Line 79 – Waste amount is an estimate based on January 1, 1998 1X waste and lab chemical inventories at JACADS.

Line 120 – Amount of off-specification methanol is taken from the annual report. No increase is expected.

Line 122 – Amount of parts cleaning waste is taken from the annual report. It is expected to double when UMCDF operations begin.

Line 140 – Amount of hydraulic oil is taken from the annual report – no increase is expected.

Line 158 – Amount of fluorescent bulbs is taken from the annual report – no increase is expected.

Line 160 – Amount of paint waste is taken from the annual report – no increase is expected.

Line 176 – Amount of brake fluid is taken from the annual report – no increase is expected.

Line 178 – Amount of acids is taken from the annual report – no increase is expected.

Lines 232 and 235 – The amounts of 100 pounds are relatively low based on the absence of these wastes in the most recent annual report.

## MUNITIONS INVENTORY

Munitions Description	Quantity	Average Weight Each (pounds)	Total Weight (pounds)
HD Ton Containers	2,635	3,500	9,222,500
VX Ton Containers	1	3,500	3,500
GB Ton Containers	4	3,500	14,000
GB 155mm Projectiles	47,406	98.9	4,688,453
GB 8-inch Projectiles	14,246	203	2,891,938
GB M55 Rockets	91,375	74	6,761,750
GB M56 Warheads	67	13.9	931
GB 500-lb Bombs	27	441	11,907
GB 750-lb Bombs	2,418	725	1,753,050
VX 155mm Projectiles	32,313	99	3,198,987
VX 8-inch Projectiles	3,752	203	761,656
VX Mines	11,685	23	268,755
VX M55 Rockets	14,513	74	1,073,962
VX M56 Warheads	6	13.2	79
VX Spray Tanks	156	1,935	301,860
<b>Total Munitions Inventory</b>	<b>220,604</b>		<b>30,953,328</b>

NOTE: Weights shown in the above table represent gross munition weight.

**Section XIX Continuation Page:**

**Section XII.B. Process Design Capacity**

Calculations for Process Design Capacity:

Capacity of Igloo (Source: 1985 permit)

363 55-gallon drums

Container capacity of permitted igloos in K-Block

90 Igloos x 363 drums/igloo = 32,670 drums (1,796,850 gallons)

Container capacity of permitted igloos in J-Block

14 Igloos x 363 drums/igloo = 5,082 drums (279,510 gallons)

Container capacity of permitted igloos in I-Block

30 igloos x 363 drums/igloo = 10,890 drums (598,950 gallons)

Container capacity of Building 203

660 55-gallon drums (36,300 gallons)

**Total Maximum Storage Area Capacity**

Igloos (K-, I-, and J-Block)	48,642 drums
Building 203	660 drums
Total:	49,302 drums

49,302 drums x 55 gallons/drum = 2,711,610 gallons maximum capacity (inserted in XII.B.1—total of amounts on line numbers 1-3).

**Section XII.C. Line 1**

120 process units—K-Block and I-Block store chemical munitions and bulk agent in 120 igloos.

**Section XII.C. Line 2**

14 process units—J-Block stores agent-related waste from chemical agent operations in 14 igloos.

**Section XII.C. Line 3**

1 process unit—Building 203 stores non-agent hazardous waste.

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