



Operated for the U.S. Department of Energy's
National Nuclear Security Administration
by Sandia Corporation

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Michael W Hazen
Vice President
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FEB 21 2011

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Ms. Patty Wagner, Manager
U. S. Department of Energy
National Nuclear Security Administration
Sandia Site Office, MS-0184
P. O. Box 5400
Albuquerque, NM 87185-0184

Dear Ms. Wagner:

Subject: ***Request for Class 1 Modification to Hazardous Waste Operating Permit NM5890110518-1,
Sandia National Laboratories/New Mexico (SNL/NM)***

Sandia Corporation (Sandia) is requesting that the Department of Energy/National Nuclear Security Administration (DOE/NNSA) submit to the New Mexico Environment Department (NMED) by March 1, 2011 the enclosed request for a modification to the operating permit for the Hazardous Waste Management Facility (HWMF) at SNL/NM.

Permit Condition III.G.2 requires that DOE and Sandia submit a report to NMED explaining the situation for any waste whose quantity managed in a calendar year exceeded the estimated annual quantity listed in Permit Attachment G. Information regarding wastes managed at the HWMF during 2008-2010 is included in this submittal.

Since quantities of two hazardous wastes are expected to exceed the limits in the future, Sandia has prepared a request for a Class 1 permit modification, in compliance with permit Condition III.G.2 of Permit NM5890110518-1.

There are four enclosures to this letter:

- Enclosure A is a summary of total quantities of hazardous wastes managed at the HWMF in each year (CY2008 – CY2010), together with information regarding the hazardous wastes that were managed in quantities exceeding the quantities listed in Permit Attachment G. During CY2010, two wastes were generated in amounts exceeding the listed quantities; Sandia has determined that these amounts are likely in the future due to anticipated operations and production changes.

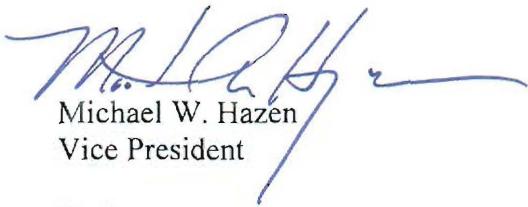


- Enclosure B is a summary of the proposed revisions to Permit Attachment G. Each change includes an explanation and the modification class and rationale. For those modifications that are listed in the New Mexico Administrative Code, Title 20, Chapter 4, Part 1, Subpart IX (20.4.1.900 NMAC) incorporating Title 40 of the Code of Federal Regulations, Part 270.42, Appendix I, the listing is included.
- Enclosure C is a redline/strikeout copy of the revised sections of the current Permit Attachment G.
- Enclosure D is a clean copy of the revised sections of Permit Attachment G. The information is presented on updated forms as applicable.

I have signed the certification to be sent to the NMED as the Operator at SNL/NM. If you agree, please sign it as the Owner.

If you have any questions regarding the permit modification information enclosed with this letter, please contact James Thompson at (505) 845-8829 / jjthomp@sandia.gov.

Sincerely,



Michael W. Hazen
Vice President

Enclosures:

- Summary of Hazardous Wastes Managed During Calendar Years 2008 – 2010
- Summary of Proposed Changes, Permit Attachment G
- Revised Pages, Redline / Strikeout Format, Permit Attachment G with Revisions Incorporated
- Revised Pages, Final, Permit Attachment G with Revisions Incorporated

Copy to (w/enclosure):

MS-0184 David Rast, NNSA/SSO

MS-0184 Cynthia Wimberly, NNSA/SSO

MS-0184 SSO Waste Management File NNSA/SSO

FEB 21 2011

Blind copy to (w/enclosure):

MS-0141 Amy Blumberg, 11100
MS-0651 Customer Funded Records Center, 09532
MS-0729 Anita Reiser, 04144
MS-1117 Jeff Jarry, 04144

Blind copy to (w/o enclosure):

MS-0725 Sidney Gutierrez, 04100
MS-0725 Francis Nimick, 04140
MS-1151 James Thompson, 04144
MS-0143 Michael Hazen, 04000

AR/jr

**Request for Class 1 Permit Modification
Permit NM5890110518-1**

CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to ensure 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 or imprisonment for knowing violations.



Michael W. Hazen, Vice-President
Sandia Corporation
Albuquerque, New Mexico
Operator



Date signed

Patty Wagner, Manager
U.S. Department of Energy
National Nuclear Security Administration
Sandia Site Office
Owner

Date signed

Enclosure A

**Sandia National Laboratories
Permit NM5890110518-1
Hazardous Waste Management Facility**

**Summary of Hazardous Wastes Managed During
Calendar Years 2008 – 2010**

Enclosure A
Summary of Hazardous Wastes Managed at Sandia National Laboratories
Hazardous Waste Management Facility (HWMF)
Calendar Year 2008 – 2010

A.1 Calendar Year 2008

Total quantity of hazardous waste managed at HWMF during 2008: 42,970.83 kilograms (kg)

Waste exceeding Part A limit during 2008: **D002 D007**

Line in Part A form: 18

Quantity in Part A: 500 kg

Total quantity managed during 2008: 4,138.6 kg

2008 quantity resulting from one-time activity: 4,132.00 kg

Activity generating waste: Chillers drained when building was decommissioned

Description of waste: Refrigerant: lithium bromide solution with chromium as a corrosion inhibitor

A.2 Calendar Year 2009

Total quantity of hazardous waste managed at HWMF during 2009: 52,798.40 kg

Waste exceeding Part A limit during 2009: **D008**

Line in Part A form: 47

Quantity in Part A: 17,000 kg

Total quantity managed during 2009: 29,824.50 kg

2009 quantity resulting from one-time activity: 21,065.00 kg

Activity generating waste: Decommissioning a building

Description of waste: Pieces of non-recyclable equipment containing metallic lead

Waste exceeding Part A limit during 2009: **D022**

Line in Part A form: 46

Quantity in Part A: 1,000 kg

Total quantity managed during 2009: 1,062.40 kg

2009 quantity resulting from one-time activity: 63.60 kg

Activity generating waste: Laboratory research activities, including research that was not expected to continue

Description of waste: Mixtures of various liquids, including chloroform

A.3 Calendar Year 2010

Total quantity of hazardous waste managed at HWMF during 2010: 41,612.41 kg

Waste exceeding Part A limit during 2010: **D022**

Line in Part A form: 46

Quantity in Part A: 1,000 kg

Total quantity managed during 2010: 1,374.10 kg

Waste exceeding Part A limit during 2010: **D038**

Line in Part A form: 62

Quantity in Part A: 100 kg

Total quantity managed during 2010: 308.80 kg

Enclosure B

**Sandia National Laboratories
Permit NM5890110518-1
Hazardous Waste Management Facility**

**Summary of Proposed Changes
Permit Attachment G**

Enclosure B. Summary of Proposed Changes
HWMF Permit NM5890110518-1
Permit Attachment G, Part A of Permit Application

Location	Current Language	Proposed Language	Explanation of Change	Modification Class Rationale
Attachment G, RCRA Subtitle C Site Identification Form, page 3, Item 13 "Certification"	<p>Name and Official Title (type or print) Owner: Patty Wagner, Manager, DOE/SSO <u>Co-Operator: Patty Wagner, Manager, DOE/SSO</u> <u>Co-Operator: Les E. Shephard, Vice President, Sandia Corporation</u></p>	<p>Name and Official Title (type or print) Owner: Patty Wagner, Manager, DOE/SSO Operator: <u>Michael W. Hazen</u>, Vice President, Sandia Corporation</p>	Remove one facility co-operator, and update title and name of sole facility operator	<i>Class 1 modification.</i> Informational and administrative changes. Modification A.1.
Attachment G, Hazardous Waste Permit Information Form, page 1, Item 4 "Operator Mailing Address and Telephone Number""	<p>Street or P.O. Box: P.O. Box 5800, <u>Department 6300</u> City, Town, or Village: Albuquerque State: NM Country: USA Zip Code: 87185-5400 Phone Number: 505-845-5349</p>	<p>Street or P.O. Box: P.O. Box 5800, <u>Department 4100</u> City, Town, or Village: Albuquerque State: NM Country: USA Zip Code: 87185-5800 Phone Number: 505-845-5349</p>	Correct address, update organization number	<i>Class 1 modification.</i> Informational and administrative changes. Modification A.1.
Attachment G, Hazardous Waste Permit Information Form, page 1, Item 7 "Nature of Business"	Sandia National Laboratories/New Mexico is a multi-program research and <u>Development</u> (R&D) laboratory of the U.S. Department of Energy. Missions include R&D related to nuclear weapons, energy, and other programs of national interest.	Sandia National Laboratories/New Mexico is a multi-program research and <u>development</u> (R&D) laboratory of the U.S. Department of Energy. Missions include R&D related to nuclear weapons, energy, and other programs of national interest.	Correct typographic error	<i>Class 1 modification.</i> Correction of typographic errors. Modification A.2.
Attachment G, Hazardous Waste Permit Information Form, page 7 of 17, Item 10 "Description of Hazardous Wastes", Line 46	D022 <u>1,000</u> K S01 Hazardous Waste	D022 <u>2,000</u> K S01 Hazardous Waste	Quantity of this waste exceeded Part A quantity during 2010 due to process and production changes. DOE and Sandia expect to continue generating this type of waste in the future. The Part A revision with the increased waste volume is submitted in compliance with Permit Condition III.G.2 and does not substantially alter the permit conditions or affect DOE/Sandia's capacity to protect human health or the environment.	<i>Class 1 modification.</i> As noted in 20.4.1.900 NMAC, 40 CFR 270.42(d)(2)(i), "...minor changes that keep the permit current with routine changes to the facility or its operation."

Enclosure B. Summary of Proposed Changes
HWMF Permit NM5890110518-1
Permit Attachment G, Part A of Permit Application

Location	Current Language	Proposed Language	Explanation of Change	Modification Class Rationale
Attachment G, Hazardous Waste Permit Information Form, page 7 of 17, Item 10 "Description of Hazardous Wastes", Line 62	D038 <u>100</u> K S01 Hazardous Waste	D038 <u>500</u> K S01 Hazardous Waste	Quantity of this waste exceeded Part A quantity during 2010 due to process and production changes. DOE and Sandia expect to continue generating this type of waste in the future. The Part A revision with the increased waste volume is submitted in compliance with Permit Condition III.G.2 and does not substantially alter the permit conditions or affect DOE/Sandia's capacity to protect human health or the environment.	<i>Class 1 modification.</i> As noted in 20.4.1.900 NMAC, 40 CFR 270.42(d)(2)(i), "...minor changes that keep the permit current with routine changes to the facility or its operation."
Attachment G, forms	Current Part A prepared using EPA forms: <ul style="list-style-type: none"> • OMB 2050-0175 "RCRA Subtitle C Site Identification Form," Expires 12/31/2003 • OMB 2050-0034 "Hazardous Waste Permit Information Form," Expires 12/31/2003 	Proposed Part A prepared using updated EPA forms: <ul style="list-style-type: none"> • OMB 2050-0024 "RCRA Subtitle C Site Identification Form," Expires 11/30/2011 • OMB 2050-0034 "Hazardous Waste Permit Information Form," Expires 7/31/2012 	Current form is out of date. Use updated form to present information.	<i>Class 1 modification.</i> Administrative change. Modification A.1.
Attachment G, Part A, Appendix A "Active Environmental Permits"	List of Sandia National Laboratories/New Mexico active environmental permits as of 3/31/04	List of Sandia National Laboratories/New Mexico active environmental permits as of 2/1/11	Provide most recent list of active permits.	<i>Class 1 modification.</i> Informational change. Modification A.1

Enclosure C

**Sandia National Laboratories
Permit NM5890110518-1
Hazardous Waste Management Facility**

**Revised Pages, Redline / Strikeout Format
Permit Attachment G with Revisions Incorporated**

<p>MAIL THE COMPLETED FORM TO: The Appropriate EPA Regional or State Office.</p>		<p>United States Environmental Protection Agency RCRA SUBTITLE C SITE IDENTIFICATION FORM</p>			
<p>1. Reason for Submittal (See instructions on page 25)</p> <p>CHECK CORRECT BOX(ES)</p>	<p>Reason for Submittal:</p> <p><input type="checkbox"/> To provide initial notification (to obtain an EPA ID Number for hazardous waste, universal waste, or used oil activities).</p> <p><input type="checkbox"/> To provide subsequent notification (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>2. Site EPA ID Number (See instructions on page 26)</p>	<p>EPA ID Number: NM5 890 110 518</p>				
<p>Site Name (See instructions on page 26)</p>	<p>Name: Sandia National Laboratories</p>				
<p>4. Site Location Information (See instructions on page 26)</p>	<p>Street Address: 1515 Eubank Blvd. SE</p>				
	<p>City, Town, or Village: Albuquerque</p>		<p>State: NM</p>		
	<p>County Name: Bernalillo</p>		<p>Zip Code: 87123</p>		
<p>5. Site Location (See instructions on page 26)</p>	<p>Site Land Type :</p>	<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>6. North American Industry Classification System (NAICS) Code(s) for the Site (See instructions on page 26)</p>	<p>A. 92811</p>		<p>B. 54171</p>		
	<p>C.</p>		<p>D.</p>		
<p>7. Site Mailing Address (See instructions on page 27)</p>	<p>Street or P.O. Box: P.O. Box 5400, Sandia Site Office</p>				
	<p>City, Town, or Village: Albuquerque</p>				
	<p>State: NM</p>				
	<p>Country: USA</p>		<p>Zip Code: 87185-5400</p>		
<p>8. Site Contact Person (See instructions on page 27)</p>	<p>First Name: David</p>		<p>MI:</p>	<p>Last Name: Rast</p>	
	<p>Phone Number: (505)-845-5349</p>			<p>Phone Number Extension:</p>	
<p>9. Legal Owner and Operator of the Site (See instructions on pages 27 and 28)</p>	<p>A. Name of Site's Legal Owner: US Department of Energy</p>			<p>Date Became Owner (mm/dd/yyyy): 09/1945</p>	
	<p>Owner Type:</p>		<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. Name of site's Operator: Sandia Corporation</p>			<p>Date Became Operator (mm/dd/yyyy): 11/01/1949</p>	
	<p>Operator Type:</p>		<input type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input type="checkbox"/> Federal <input type="checkbox"/> Indian <input type="checkbox"/> Municipal <input type="checkbox"/> State <input checked="" type="checkbox"/> Other		

EPA ID No.	N	M	5	8	9	0	1	1	0	5	1	8
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10. Type of Regulated Waste Activity (Mark 'X' in the appropriate boxes. See instructions on pages 28 to 32)
A. Hazardous Waste Activities
1. Generator of Hazardous Waste

(Choose only one of the following three categories)

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 (check all that apply)

d. United States Importer of Hazardous Waste

e. Mixed Waste (hazardous and radioactive) Generator

For Items 2 through 6, check all that apply:

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) Note: A hazardous waste permit may be required for this activity.

5. Exempt Boiler and/or Industrial Furnace

a. Small Quantity On-site Burner Exemption

b. Smelting, Melting and Refining Furnace Exemption

6. Underground Injection Control
B. Universal Waste Activities *None*

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. (check all boxes that apply):

	<u>Generated</u>	<u>Accumulated</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 *None*
1. Used Oil Transporter – Indicate Type(s) of Activity(ies)

a. Transporter

b. Transfer Facility

2. Used Oil Processor and/or Re-refiner – Indicate Type(s) of Activity(ies)

a. Processor

b. Re-refiner

3. Off-Specification Used Oil Burner

4. Used Oil Fuel Marketer – Indicate Type(s) of Activity

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 33)

(n/a per instructions)

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.

EPA ID No.	N	M	5	8	9	0	1	1	0	5	1	8
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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.

12. Comments (See instructions on Page 33)

Facility latitude: 35 degrees, 01 minutes, 45 seconds North

Facility longitude: 106 degrees, 32 minutes, 30 seconds West

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 managed 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. (See instructions on page 33)											
Signature of owner, operator, or an authorized representative	Name and Official Title (type or print)								Date Signed (mm/dd/yyyy)		

Owner: Patty Wagner, Manager, DOE/SSO

Co-Operator: Patty Wagner, Manager, DOE/SSO

Co-Operator: Les E. Shephard Michael W. Hazen, Vice President, Sandia Corporation

United States Environmental Protection Agency
HAZARDOUS WASTE PERMIT INFORMATION FORM

1. Facility Permit Contact (See instructions on page 35)	First Name: <i>David</i>	MI:	Last Name: <i>Rast</i>	
	Phone Number: <i>505-845-5349</i>		Phone Number Extension:	
2. Facility Permit Contact Mailing Address (See instructions on page 35)	Street Address: <i>P.O. Box 5400, US Department of Energy, Sandia Site Office</i>			
	City, Town, or Village: <i>Albuquerque</i>		State: <i>NM</i>	
	County Name: <i>USA</i>		Zip Code: <i>87185-5400</i>	
3. Legal Owner Mailing Address and Telephone Number (See instructions on page 36)	Street or P.O. Box: <i>P.O. Box 5400</i>			
	City, Town, or Village: <i>Albuquerque</i>			
	State: <i>NM</i>			
	Country: <i>USA</i>	Zip Code: <i>87185-5400</i>	Phone Number: <i>505-845-5349</i>	
4. Operator Mailing Address and Telephone Number (See instructions on page 36)	Street or P.O. Box: <i>P.O. Box 5800, Department <u>4100</u><u>6300</u></i>			
	City, Town, or Village: <i>Albuquerque</i>			
	State: <i>NM</i>			
	Country: <i>USA</i>	Zip Code: <i>87185-<u>5800</u><u>5400</u></i>	Phone Number: <i>505-845-5349</i>	
5. Facility Existence Date (See instructions on page 36)	Facility Existence Date (mm/dd/yyyy): <i>11/19/1980 (date that regulated hazardous waste operations began)</i>			
6. Other Environmental Permits (See instructions on page 36) See Appendix A				
A. Permit Type	B. Permit Number			C. Description
7. Nature of Business (Provide a brief description; see instructions on page 37)				
<i>Sandia National Laboratories/New Mexico is a multi-program research and <u>D</u>evelopment (R&D) laboratory of the U.S. Department of Energy. Missions include R&D related to nuclear weapons, energy, and other programs of national interest.</i>				

8. Process Codes and Design Capacities (See instructions on page 37)

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

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

1. **AMOUNT** - Enter the amount. In a case where design capacity is not applicable (such as in a closure/post-closure or enforcement action) enter the total amount of waste for that process.
2. **UNIT OF MEASURE** - For each amount entered in column B(1), enter the code in column B(2) from the list of unit of measure codes below that describes the unit of measure used. Select only from the units of measure in this list.

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

PROCESS CODE	PROCESS	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS CODE	PROCESS	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
D79	<u>Disposal:</u> 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
D80	Landfill	Acre-feet; Hectare-meter; Acres; Cubic Meters; Hectares; Cubic Yards	T82	Lime 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
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; Liters Per Hour; Kilograms Per Hour; or Million Btu Per Hour
D82	Ocean Disposal	Gallons Per Day or Liters Per Day	T84	Phosphate 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
D83	Surface Impoundment Disposal	Gallons; Liters; Cubic Meters; or Cubic Yards	T85	Coke Oven	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
D99	Other Disposal Storage:	Any Unit of Measure Listed Below	T86	Blast 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; Liters Per Hour; Kilograms Per Hour; or Million Btu Per Hour
S01	Container	Gallons; Liters; Cubic Meters; or Cubic Yards	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; Liters Per Hour; Kilograms Per Hour; or Million Btu Per Hour
S02	Tank Storage	Gallons; Liters; Cubic Meters; or Cubic Yards	T88	Titanium Dioxide	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
S03	Waste Pile	Cubic Yards or Cubic Meters	T89	Chloride Oxidation Reactor	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
S04	Surface Impoundment Storage	Gallons; Liters; Cubic Meters; or Cubic Yards	T90	Methane Reforming 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; Liters Per Hour; Kilograms Per Hour; or Million Btu Per Hour
S05	Drip Pad	Gallons; Liters; Acres; Cubic Meters; Hectares; or Cubic Yards	T91	Pulping Liquor Recovery	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
S06	Containment Building Storage	Cubic Yards or Cubic Meters	T92	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; Liters Per Hour; Kilograms Per Hour; or Million Btu Per Hour
S99	Other Storage Treatment:	Any Unit of Measure Listed Below	T93	Combustion Device Used In	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
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	T94	The Recovery Of Sulfur Values From Spent Sulfuric Acid Halogen Acid Furnaces Other Industrial Furnaces	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
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	T95	Listed In 40 CFR §260.10	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
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	T96	Containment Building –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; Liters Per Hour; Kilograms 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	X01	Miscellaneous (Subpart X)	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
T80	Boiler	Gallons; Liters; Gallons Per Hour; Liters Per Hour; Btu Per Hour; or Million Btu Per Hour	X02	Open Burning/Open Detonation Mechanical Processing	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
			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; Liters Per Hour; Kilograms Per Hour; or Million Btu Per Hour
			X04	Geologic Repository	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
			X99	Other Subpart X	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

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

8. 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

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 9.

9. Other Processes (See instructions on page 37 and follow instructions from Item 8 for D99, S99, T04 and X99 process codes)

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

A. **EPA HAZARDOUS WASTE NUMBER** - Enter the four-digit number from 40 CFR, Part 261 Subpart D of each listed hazardous waste you will handle. For hazardous wastes which are not listed in 40 CFR, Part 261 Subpart D, enter the four-digit number(s) from 40 CFR Part 261, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

B. **ESTIMATED ANNUAL QUANTITY** - For each listed waste entered in column A, estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A, estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

C. **UNIT OF MEASURE** - For each quantity entered in column B, enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	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**a. PROCESS CODES:**

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

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

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

- Enter the first two as described above.
- Enter "000" in the extreme right box of Item 10.D(1).
- Use additional sheet, enter line number from previous sheet, and enter additional code(s) in Item 10.E.

b. 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:

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

10. Description of Hazardous Wastes						
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	D001	40,000	K	SOI		
2	D001	6,000	K	SOI		
	D002					
						Included in above
3	D001	1,000	K	SOI		
	D002		K	SOI		
	D003		K	SOI		
4	D001	6,000	K	SOI		
	D002			SOI		
	D008					
						Included in above
5	D001	3,000	K	SOI		
	D003					
6	D001	15,000	K	SOI		
	D003					
	D005					
	D006					
	D007					
	D008					
7	D001	8,000	K	SOI		
	D003					
	D005					
	D007					
	D008					
8	D001	1,000	K	SOI		
	D006					
9	D001	5,000	K	SOI		
	D007					
10	D001	1,000	K	SOI		
	D008					
11	D001	4,000	K	SOI		
	D008					
	D018					
12	D001	500	K	SOI		
	D008					
	D035					
13	D001	8,000	K	SOI		
	D018					
14	D001	1,000	K	SOI		
	D035					
15	D001	500	K	SOI		
	D004					
16	D002	30,000	K	SOI		
						Hazardous Waste

10. Description of Hazardous Wastes						
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))
17	D002	1,000	K	SO1		
	D003					Hazardous Waste
18	D002	500	K	SO1		
	D007					Included in above
19	D003	5,000	K	SO1		
20	D003	5,000	K	SO1	T04	
	D001					Hazardous Waste
	D011					Potentially Included in Above
	F003					Potentially Included in Above
	F005					Potentially Included in Above
21	D004	10,000	K	SO1		
22	D004	2,000	K	SO1		
	D005					Hazardous Waste
	D006					Included in above
	D007					Included in above
	D008					Included in above
	D011					Included in above
23	D004	1,000	K	SO1		
	D006					Hazardous Waste
	D007					Included in above
	D008					Included in above
24	D005	10,000	K	SO1		
25	D005	500	K	SO1		
	D006					Hazardous Waste
	D007					Included in above
	D008					Included in above
26	D005	4,000	K	SO1		
	D008					Hazardous Waste
	D008					Included in above
27	D006	10,000	K	SO1		
28	D006	5,000	K	SO1		
	D008					Hazardous Waste
	D008					Included in above
29	D007	10,000	K	SO1		
30	D007	2,000	K	SO1		
	D008					Hazardous Waste
	D008					Included in above
31	D008	17,000	K	SO1		
32	D008	3,000	K	SO1		
	D018					Hazardous Waste
	D018					Included in above
33	D009	7,000	K	SO1		
34	D010	10,000	K	SO1		
35	D011	15,000	K	SO1		
36	D012	50	K	SO1		
37	D013	50	K	SO1		Hazardous Waste

10. Description of Hazardous Wastes						
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))
38	D014	50	K	SOI		Hazardous Waste
39	D015	50	K	SOI		Hazardous Waste
40	D016	50	K	SOI		Hazardous Waste
41	D017	50	K	SOI		Hazardous Waste
42	D018	7,000	K	SOI		Hazardous Waste
43	D019	200	K	SOI		Hazardous Waste
44	D020	50	K	SOI		Hazardous Waste
45	D021	100	K	SOI		Hazardous Waste
46	D022	<u>2,000</u> 4,000	K	SOI		Hazardous Waste
47	D023	50	K	SOI		Hazardous Waste
48	D024	50	K	SOI		Hazardous Waste
49	D025	50	K	SOI		Hazardous Waste
50	D026	100	K	SOI		Hazardous Waste
51	D027	100	K	SOI		Hazardous Waste
52	D028	1,000	K	SOI		Hazardous Waste
53	D029	100	K	SOI		Hazardous Waste
54	D030	500	K	SOI		Hazardous Waste
55	D031	50	K	SOI		Hazardous Waste
56	D032	100	K	SOI		Hazardous Waste
57	D033	100	K	SOI		Hazardous Waste
58	D034	500	K	SOI		Hazardous Waste
59	D035	15,000	K	SOI		Hazardous Waste
60	D036	100	K	SOI		Hazardous Waste
61	D037	100	K	SOI		Hazardous Waste
62	D038	<u>500</u> 400	K	SOI		Hazardous Waste
63	D039	2,000	K	SOI		Hazardous Waste
64	D040	5,000	K	SOI		Hazardous Waste
65	D041	50	K	SOI		Hazardous Waste
66	D042	50	K	SOI		Hazardous Waste
67	D043	50	K	SOI		Hazardous Waste
68	F001	10,000	K	SOI		Hazardous Waste
69	F002	6,000	K	SOI		Hazardous Waste
70	F002	8,000	K	SOI		Hazardous Waste
	F003					Included in above
71	F002	1,000	K	SOI		Hazardous Waste
	F003					Included in above
	D001					Included in above
72	F002	1,000	K	SOI		Hazardous Waste
	F003					Included in above
	F005					Included in above
	D001					Included in above
73	F002	50	K	SOI		Hazardous Waste

10. Description of Hazardous Wastes						
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))
	F003					Included in above
	D040					Included in above
74	F002	1,000	K	SOI		Hazardous Waste
	D001					Included in above
75	F002	200	K	SOI		Hazardous Waste
	D006					Included in above
	D007					Included in above
76	F002	300	K	SOI		Hazardous Waste
	D008					Included in above
77	F002	400	K	SOI		Hazardous Waste
	D019					Included in above
	D040					Included in above
78	F002	2,000	K	SOI		Hazardous Waste
	D039					Included in above
79	F003	12,000	K	SOI		Hazardous Waste
80	F003	10,000	K	SOI		Hazardous Waste
	D001					Included in above
81	F003	10	K	SOI		Hazardous Waste
	D009					Included in above
82	F004	1,000	K	SOI		Hazardous Waste
83	F005	12,000	K	SOI		Hazardous Waste
84	F005	1,000	K	SOI		Hazardous Waste
	F003					Included in above
	D001					Included in above
	D007					Included in above
	D035					Included in above
85	F005	1,000	K	SOI		Hazardous Waste
	F003					Included in above
	D001					Included in above
	D018					Included in above
	D035					Included in above
86	F005	5,000	K	SOI		Hazardous Waste
	F003					Included in above
	D001					Included in above
87	F005	500	K	SOI		Hazardous Waste
	F003					Included in above
	D001					Included in above
	D035					Included in above
88	F006	100	K	SOI		Hazardous Waste
89	F007	2,000	K	SOI		Hazardous Waste
90	F007	2,000	K	SOI		Hazardous Waste
	D002					Included in above

10. Description of Hazardous Wastes						
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))
	D003					Included in above
	D006					Included in above
91	F007	1,000	K	SOI		Hazardous Waste
	D002					Included in above
	D003					Included in above
	D011					Included in above
92	F007	1,000	K	SOI		Hazardous Waste
93	F008	100	K	SOI		Hazardous Waste
94	F009	100	K	SOI		Hazardous Waste
95	F010	100	K	SOI		Hazardous Waste
96	F011	100	K	SOI		Hazardous Waste
97	F027	150	K	SOI		Hazardous Waste
98	F039	200,000	K	SOI		Hazardous Waste
99	P001	25	K	SOI		Hazardous Waste
100	P002	10	K	SOI		Hazardous Waste
101	P003	10	K	SOI		Hazardous Waste
102	P004	10	K	SOI		Hazardous Waste
103	P005	25	K	SOI		Hazardous Waste
104	P006	10	K	SOI		Hazardous Waste
105	P007	10	K	SOI		Hazardous Waste
106	P008	10	K	SOI		Hazardous Waste
107	P009	10	K	SOI		Hazardous Waste
108	P010	10	K	SOI		Hazardous Waste
109	P011	25	K	SOI		Hazardous Waste
110	P012	10	K	SOI		Hazardous Waste
111	P013	10	K	SOI		Hazardous Waste
112	P014	10	K	SOI		Hazardous Waste
113	P015	10	K	SOI		Hazardous Waste
114	P016	10	K	SOI		Hazardous Waste
115	P017	10	K	SOI		Hazardous Waste
116	P018	10	K	SOI		Hazardous Waste
117	P020	10	K	SOI		Hazardous Waste
118	P021	10	K	SOI		Hazardous Waste
119	P022	100	K	SOI		Hazardous Waste
120	P023	10	K	SOI		Hazardous Waste
121	P024	10	K	SOI		Hazardous Waste
122	P026	10	K	SOI		Hazardous Waste
123	P027	10	K	SOI		Hazardous Waste
124	P028	10	K	SOI		Hazardous Waste
125	P029	1,500	K	SOI		Hazardous Waste
126	P030	250	K	SOI		Hazardous Waste
127	P031	10	K	SOI		Hazardous Waste

10. Description of Hazardous Wastes						
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))
128	P033	10	K	SOI		Hazardous Waste
129	P034	10	K	SOI		Hazardous Waste
130	P036	10	K	SOI		Hazardous Waste
131	P037	10	K	SOI		Hazardous Waste
132	P038	10	K	SOI		Hazardous Waste
133	P039	10	K	SOI		Hazardous Waste
134	P040	10	K	SOI		Hazardous Waste
135	P041	10	K	SOI		Hazardous Waste
136	P042	10	K	SOI		Hazardous Waste
137	P043	10	K	SOI		Hazardous Waste
138	P044	10	K	SOI		Hazardous Waste
139	P045	10	K	SOI		Hazardous Waste
140	P046	10	K	SOI		Hazardous Waste
142	P048	10	K	SOI		Hazardous Waste
143	P049	10	K	SOI		Hazardous Waste
144	P050	10	K	SOI		Hazardous Waste
145	P051	10	K	SOI		Hazardous Waste
146	P054	10	K	OI		Hazardous Waste
147	P056	10	K	SOI		Hazardous Waste
148	P057	10	K	SOI		Hazardous Waste
149	P058	10	K	SOI		Hazardous Waste
150	P059	10	K	SOI		Hazardous Waste
151	P060	10	K	SOI		Hazardous Waste
152	P062	10	K	SOI		Hazardous Waste
153	P063	10	K	SOI		Hazardous Waste
154	P064	150	K	SOI		Hazardous Waste
155	P065	10	K	SOI		Hazardous Waste
156	P066	10	K	SOI		Hazardous Waste
157	P067	10	K	SOI		Hazardous Waste
158	P068	10	K	SOI		Hazardous Waste
159	P069	10	K	SOI		Hazardous Waste
160	P070	10	K	SOI		Hazardous Waste
161	P071	10	K	SOI		Hazardous Waste
162	P072	10	K	SOI		Hazardous Waste
163	P073	10	K	SOI		Hazardous Waste
164	P074	10	K	SOI		Hazardous Waste
165	P075	10	K	SOI		Hazardous Waste
166	P076	10	K	SOI		Hazardous Waste
167	P077	10	K	SOI		Hazardous Waste
168	P078	30	K	SOI		Hazardous Waste
169	P081	10	K	SOI		Hazardous Waste
170	P082	10	K	SOI		Hazardous Waste

10. Description of Hazardous Wastes						
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))
171	P084	10	K	SOI		Hazardous Waste
172	P085	10	K	SOI		Hazardous Waste
173	P087	50	K	SOI		Hazardous Waste
174	P088	10	K	SOI		Hazardous Waste
175	P089	10	K	SOI		Hazardous Waste
176	P092	10	K	SOI		Hazardous Waste
177	P093	10	K	SOI		Hazardous Waste
178	P094	10	K	SOI		Hazardous Waste
179	P095	10	K	SOI		Hazardous Waste
180	P096	10	K	SOI		Hazardous Waste
181	P097	10	K	SOI		Hazardous Waste
182	P098	50	K	SOI		Hazardous Waste
183	P099	10	K	SOI		Hazardous Waste
184	P101	10	K	SOI		Hazardous Waste
185	P102	10	K	SOI		Hazardous Waste
186	P103	10	K	SOI		Hazardous Waste
187	P104	100	K	SOI		Hazardous Waste
188	P105	10	K	SOI		Hazardous Waste
189	P106	1,000	K	SOI		Hazardous Waste
190	P108	10	K	SOI		Hazardous Waste
191	P109	10	K	SOI		Hazardous Waste
192	P110	10	K	SOI		Hazardous Waste
193	P111	10	K	SOI		Hazardous Waste
194	P112	10	K	SOI		Hazardous Waste
195	P113	50	K	SOI		Hazardous Waste
196	P114	10	K	SOI		Hazardous Waste
197	P115	10	K	SOI		Hazardous Waste
198	P116	10	K	SOI		Hazardous Waste
199	P118	10	K	SOI		Hazardous Waste
200	P119	10	K	SOI		Hazardous Waste
201	P120	25	K	SOI		Hazardous Waste
202	P121	10	K	SOI		Hazardous Waste
203	P122	10	K	SOI		Hazardous Waste
204	P123	10	K	SOI		Hazardous Waste
205	U001	10	K	SOI		Hazardous Waste
206	U002	1,000	K	SOI		Hazardous Waste
207	U003	250	K	SOI		Hazardous Waste
208	U004	10	K	SOI		Hazardous Waste
209	U005	10	K	SOI		Hazardous Waste
210	U006	10	K	SOI		Hazardous Waste
211	U007	10	K	SOI		Hazardous Waste
212	U008	100	K	SOI		Hazardous Waste

10. Description of Hazardous Wastes						
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))
213	U009	10	K	SOI		Hazardous Waste
214	U010	10	K	SOI		Hazardous Waste
215	U011	10	K	SOI		Hazardous Waste
216	U012	25	K	SOI		Hazardous Waste
217	U014	10	K	SOI		Hazardous Waste
218	U015	10	K	SOI		Hazardous Waste
219	U016	10	K	SOI		Hazardous Waste
220	U017	10	K	SOI		Hazardous Waste
221	U018	10	K	SOI		Hazardous Waste
222	U019	150	K	SOI		Hazardous Waste
223	U020	10	K	SOI		Hazardous Waste
224	U021	10	K	SOI		Hazardous Waste
225	U022	10	K	SOI		Hazardous Waste
226	U023	10	K	SOI		Hazardous Waste
227	U024	10	K	SOI		Hazardous Waste
228	U025	10	K	SOI		Hazardous Waste
229	U026	10	K	SOI		Hazardous Waste
230	U027	10	K	SOI		Hazardous Waste
231	U028	5,000	K	SOI		Hazardous Waste
232	U029	10	K	SOI		Hazardous Waste
233	U030	10	K	SOI		Hazardous Waste
234	U031	500	K	SOI		Hazardous Waste
235	U032	500	K	SOI		Hazardous Waste
236	U033	10	K	SOI		Hazardous Waste
237	U034	10	K	SOI		Hazardous Waste
238	U035	50	K	SOI		Hazardous Waste
239	U036	500	K	SOI		Hazardous Waste
240	U037	50	K	SOI		Hazardous Waste
241	U038	10	K	SOI		Hazardous Waste
242	U039	10	K	SOI		Hazardous Waste
243	U041	10	K	SOI		Hazardous Waste
244	U042	10	K	SOI		Hazardous Waste
245	U043	10	K	SOI		Hazardous Waste
246	U044	150	K	SOI		Hazardous Waste
247	U045	25	K	SOI		Hazardous Waste
248	U046	10	K	SOI		Hazardous Waste
249	U047	10	K	SOI		Hazardous Waste
250	U048	10	K	SOI		Hazardous Waste
251	U049	10	K	SOI		Hazardous Waste
252	U050	10	K	SOI		Hazardous Waste
253	U051	75	K	SOI		Hazardous Waste
254	U052	25	K	SOI		Hazardous Waste

10. Description of Hazardous Wastes						
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))
255	U053	10	K	SOI		Hazardous Waste
256	U055	25	K	SOI		Hazardous Waste
257	U056	250	K	SOI		Hazardous Waste
258	U057	25	K	SOI		Hazardous Waste
259	U058	10	K	SOI		Hazardous Waste
260	U059	10	K	SOI		Hazardous Waste
261	U060	10	K	SOI		Hazardous Waste
262	U061	10	K	SOI		Hazardous Waste
263	U062	10	K	SOI		Hazardous Waste
264	U063	10	K	SOI		Hazardous Waste
265	U064	10	K	SOI		Hazardous Waste
266	U066	10	K	SOI		Hazardous Waste
267	U067	25	K	SOI		Hazardous Waste
268	U068	10	K	SOI		Hazardous Waste
269	U069	100	K	SOI		Hazardous Waste
270	U070	50	K	SOI		Hazardous Waste
271	U071	10	K	SOI		Hazardous Waste
272	U072	10	K	SOI		Hazardous Waste
273	U073	10	K	SOI		Hazardous Waste
274	U074	10	K	SOI		Hazardous Waste
275	U075	200	K	SOI		Hazardous Waste
276	U076	10	K	SOI		Hazardous Waste
277	U077	200	K	SOI		Hazardous Waste
278	U078	50	K	SOI		Hazardous Waste
279	U079	50	K	SOI		Hazardous Waste
280	U080	1,000	K	SOI		Hazardous Waste
281	U081	10	K	SOI		Hazardous Waste
282	U082	10	K	SOI		Hazardous Waste
283	U083	10	K	SOI		Hazardous Waste
284	U084	10	K	SOI		Hazardous Waste
285	U085	10	K	SOI		Hazardous Waste
286	U086	10	K	SOI		Hazardous Waste
287	U087	10	K	SOI		Hazardous Waste
288	U088	10	K	SOI		Hazardous Waste
289	U089	10	K	SOI		Hazardous Waste
290	U090	10	K	SOI		Hazardous Waste
291	U091	10	K	SOI		Hazardous Waste
292	U092	10	K	SOI		Hazardous Waste
293	U093	10	K	SOI		Hazardous Waste
294	U094	10	K	SOI		Hazardous Waste
295	U095	10	K	SOI		Hazardous Waste
296	U096	10	K	SOI		Hazardous Waste

10. Description of Hazardous Wastes						
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))
297	U097	10	K	SOI		Hazardous Waste
298	U098	10	K	SOI		Hazardous Waste
299	U099	10	K	SOI		Hazardous Waste
300	U101	10	K	SOI		Hazardous Waste
301	U102	20	K	SOI		Hazardous Waste
302	U103	10	K	SOI		Hazardous Waste
303	U105	10	K	SOI		Hazardous Waste
304	U106	10	K	SOI		Hazardous Waste
305	U107	50	K	SOI		Hazardous Waste
306	U108	50	K	SOI		Hazardous Waste
307	U109	10	K	SOI		Hazardous Waste
308	U110	10	K	SOI		Hazardous Waste
309	U111	10	K	SOI		Hazardous Waste
310	U112	1,000	K	SOI		Hazardous Waste
311	U113	10	K	SOI		Hazardous Waste
312	U114	10	K	SOI		Hazardous Waste
131	U115	10	K	SOI		Hazardous Waste
314	U116	10	K	SOI		Hazardous Waste
315	U117	30	K	SOI		Hazardous Waste
316	U118	10	K	SOI		Hazardous Waste
317	U119	10	K	SOI		Hazardous Waste
318	U120	10	K	SOI		Hazardous Waste
319	U121	200	K	SOI		Hazardous Waste
320	U122	500	K	SOI		Hazardous Waste
321	U123	35	K	SOI		Hazardous Waste
322	U124	10	K	SOI		Hazardous Waste
323	U125	10	K	SOI		Hazardous Waste
324	U126	10	K	SOI		Hazardous Waste
325	U127	10	K	SOI		Hazardous Waste
326	U128	10	K	SOI		Hazardous Waste
327	U129	10	K	SOI		Hazardous Waste
328	U130	10	K	SOI		Hazardous Waste
329	U131	50	K	SOI		Hazardous Waste
330	U132	25	K	SOI		Hazardous Waste
331	U133	250	K	SOI		Hazardous Waste
332	U134	2,000	K	SOI		Hazardous Waste
333	U134	100	K	SOI		Hazardous Waste
334	D002					Included in above
335	U135	75	K	SOI		Hazardous Waste
336	U136	10	K	SOI		Hazardous Waste
337	U137	10	K	SOI		Hazardous Waste
338	U138	10	K	SOI		Hazardous Waste

10. Description of Hazardous Wastes						
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))
339	U140	50	K	SOI		Hazardous Waste
340	U141	10	K	SOI		Hazardous Waste
341	U142	10	K	SOI		Hazardous Waste
342	U143	10	K	SOI		Hazardous Waste
343	U144	300	K	SOI		Hazardous Waste
344	U145	10	K	SOI		Hazardous Waste
345	U146	10	K	SOI		Hazardous Waste
346	U147	100	K	SOI		Hazardous Waste
347	U148	10	K	SOI		Hazardous Waste
348	U149	10	K	SOI		Hazardous Waste
349	U150	10	K	SOI		Hazardous Waste
350	U151	1,000	K	SOI		Hazardous Waste
351	U151	300	K	SOI		Hazardous Waste
	D002					Included in above
352	U151	100	K	SOI		Hazardous Waste
	D009					Included in above
353	U152	10	K	SOI		Hazardous Waste
354	U153	10	K	SOI		Hazardous Waste
355	U154	500	K	SOI		Hazardous Waste
356	U155	10	K	SOI		Hazardous Waste
357	U156	10	K	SOI		Hazardous Waste
358	U157	10	K	SOI		Hazardous Waste
359	U158	25	K	SOI		Hazardous Waste
360	U159	125	K	SOI		Hazardous Waste
361	U160	50	K	SOI		Hazardous Waste
362	U161	50	K	SOI		Hazardous Waste
363	U162	100	K	SOI		Hazardous Waste
364	U163	10	K	SOI		Hazardous Waste
365	U164	10	K	SOI		Hazardous Waste
366	U165	1,000	K	SOI		Hazardous Waste
367	U166	10	K	SOI		Hazardous Waste
368	U167	10	K	SOI		Hazardous Waste
369	U168	10	K	SOI		Hazardous Waste
370	U169	200	K	SOI		Hazardous Waste
371	U170	10	K	SOI		Hazardous Waste
372	U171	25	K	SOI		Hazardous Waste
373	U172	10	K	SOI		Hazardous Waste
374	U173	10	K	SOI		Hazardous Waste
375	U174	10	K	SOI		Hazardous Waste
376	U176	10	K	SOI		Hazardous Waste
377	U177	50	K	SOI		Hazardous Waste
378	U178	50	K	SOI		Hazardous Waste

10. Description of Hazardous Wastes						
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))
379	U179	100	K	SOI		Hazardous Waste
380	U180	100	K	SOI		Hazardous Waste
381	U181	50	K	SOI		Hazardous Waste
382	U182	25	K	SOI		Hazardous Waste
383	U183	25	K	SOI		Hazardous Waste
384	U184	25	K	SOI		Hazardous Waste
385	U185	25	K	SOI		Hazardous Waste
386	U186	50	K	SOI		Hazardous Waste
387	U187	10	K	SOI		Hazardous Waste
388	U188	25	K	SOI		Hazardous Waste
389	U189	10	K	SOI		Hazardous Waste
390	U190	10	K	SOI		Hazardous Waste
391	U191	10	K	SOI		Hazardous Waste
392	U192	10	K	SOI		Hazardous Waste
393	U193	10	K	SOI		Hazardous Waste
394	U194	10	K	SOI		Hazardous Waste
395	U196	25	K	SOI		Hazardous Waste
396	U197	10	K	SOI		Hazardous Waste
397	U200	10	K	SOI		Hazardous Waste
398	U201	25	K	SOI		Hazardous Waste
399	U202	10	K	SOI		Hazardous Waste
400	U203	10	K	SOI		Hazardous Waste
401	U204	25	K	SOI		Hazardous Waste
402	U205	10	K	SOI		Hazardous Waste
403	U206	10	K	SOI		Hazardous Waste
404	U207	10	K	SOI		Hazardous Waste
405	U208	10	K	SOI		Hazardous Waste
406	U209	20	K	SOI		Hazardous Waste
407	U210	25	K	SOI		Hazardous Waste
408	U211	100	K	SOI		Hazardous Waste
409	U213	350	K	SOI		Hazardous Waste
410	U214	10	K	SOI		Hazardous Waste
411	U215	10	K	SOI		Hazardous Waste
412	U216	10	K	SOI		Hazardous Waste
413	U217	10	K	SOI		Hazardous Waste
414	U218	10	K	SOI		Hazardous Waste
415	U219	25	K	SOI		Hazardous Waste
416	U220	500	K	SOI		Hazardous Waste
417	U221	10	K	SOI		Hazardous Waste
418	U222	10	K	SOI		Hazardous Waste
419	U223	1,000	K	SOI		Hazardous Waste
420	U225	50	K	SOI		Hazardous Waste

APPENDIX A
ACTIVE ENVIRONMENTAL PERMITS

Sandia National Laboratories/New Mexico
Active Environmental Permits as of 03/31/0402/01/2011

Permit Type and/or Facility Name	Permit Number	Issue Date	Expiration Date	Regulatory Agency
SEWER WASTEWATER				
General	2069 A-67	7/1/03 07/17/08	12/31/07 02/28/13	COA
General	2069 F-67	08/01/03 06/17/10	01/31/08 03/31/14	COA
Microelectronics Development Laboratory	2069 G-57	06/01/02 05/05/10	05/31/05 02/28/15	COA
General	2069 I-46 Renewal Submitted	10/14/03 06/15/10	extended 08/31/14	COA
General	2069 K-46	03/01/02 05/2/5/10	10/31/04 10/31/14	COA
<u>Center for Integrated Nanotechnology</u>	<u>2238 A</u>	<u>01/05/07</u>	<u>04/30/10</u>	<u>COA</u>
SURFACE DISCHARGE				
Pulsed Power Development Facilities (Discharge Plan)	DP-530	09/21/01 09/12/07	09/21/06 09/12/12	NMED
UNDERGROUND STORAGE TANKS				
9,750 gal emergency generator fuel	6383	07/01/03	06/30/04	NMED, UST Bur.
20,000 gal oil storage tank	6384 1485	07/01/03 07/01/06	06/30/04 06/30/07 (renewal pending)	NMED, UST Bur.
20,000 gal oil storage tank	6385 1486	07/01/03 07/01/06	06/30/04 06/30/07 (renewal pending)	NMED, UST Bur.
STORM WATER				
National Pollution Discharge Elimination System "Multi-sector General" Permit	NMR05A961	02/01 10/15/09	09/30/05 10/30/05 (active until terminated)	EPA
<u>Storm Drain, Sanitary Sewer, and Domestic Water System Modernization</u>	<u>NMR10B507</u>	<u>06/29/99</u>	<u>08/04</u>	<u>EPA</u>
NPDES construction permit for the Joint Computational Engineering Laboratory	NM0002377	04/20/02	03/04	EPA
MESA	NM0002376	01/28/02	07/31/09	EPA
Aerial Cable Facilities Renovations	b	3/04	2/05	EPA
<u>Center for Integrated Nanotechnologies</u>	b	10/03	6/06	EPA
SCA/CUB	b	9/02	8/03	EPA
<u>Mixed Waste Landfill Cover</u>	<u>R15EZ15</u>	<u>05/18/06</u>	<u>active until terminated</u>	<u>EPA</u>
<u>TA-III Concrete Recycle/Borrow</u>	<u>R15F015</u>	<u>05/31/06</u>	<u>active until terminated</u>	<u>EPA</u>
<u>Heating Systems Modernization</u>	<u>R15FK02</u>	<u>05/11/07</u>	<u>submitted notice of termination</u>	<u>EPA</u>
<u>Dynamic Explosive Test Site Thunder Range</u>	<u>R15G365</u>	<u>06/03/08</u>	<u>12/31/13</u>	<u>EPA</u>
<u>TA II Escarpment</u>	<u>R10G475</u>	<u>08/12/08</u>	<u>active until terminated</u>	<u>EPA</u>
<u>Ion Beam Laboratory Construction</u>	<u>R10G588</u>	<u>10/01/08</u>	<u>active until terminated</u>	<u>EPA</u>
<u>Large Scale Liquid Natural Gas Pool Fire Experiment</u>	<u>R10G703</u>	<u>10/24/08</u>	<u>active until terminated</u>	<u>EPA</u>
<u>9940 Complex</u>	<u>R10GO81</u>	<u>09/01/09</u>	<u>active until terminated</u>	<u>EPA</u>
<u>Technical Capabilities Revitalization Phase II – Mechanical Shock Tube Project</u>	<u>R10GY81</u>	<u>04/01/10</u>	<u>active until terminated</u>	<u>EPA</u>

<u>12th Street Roadway Improvements</u>	R10H419	09/14/10	<u>active until terminated</u>	EPA
National Solar Thermal Test	R10H628	12/07/10	<u>active until terminated</u>	EPA
ECOLOGICAL				
New Mexico Department of Game and Fish, for Scientific/Educational Purposes, Authorization for Taking of Protected Wildlife	2931	01/01/02 ^a <u>pending</u>	12/31/02 ^a <u>pending</u>	New Mexico Department of Game and Fish
<u>US</u> Fish and Wildlife Special Purpose - Salvage Permit (for migratory birds)	MB040780-0MB02907A-0	05/30/01 02/12/10	12/31/03 03/31/13	U.S. Fish and Wildlife Service

NOTE:

a Applied for permit renewal, not yet received.
 b Permit number not issued yet.

COA = City of Albuquerque

NMED = New Mexico Environment Department

EPA = U.S. Environmental Protection Agency

UST Bur. = Underground Storage Tank Bureau

Sandia National Laboratories/New Mexico
Active Environmental Permits as of 03/31/0402/01/11 (Continued)

Permit Type and/or Facility Name	Permit Number	Issue Date	Expiration Date	Regulatory Agency
ABOVEGROUND STORAGE TANKS				
1,024,000 gal storage tank	b	07/01/03	06/30/04	NMED
508,000 gal storage tank	b	07/01/03	06/30/04	NMED
213,898 gal storage tank	b	07/01/03	06/30/04	NMED
209,421 gal storage tank	b	07/01/03	06/30/04	NMED
45,490 gal storage tank	b	07/01/03	06/30/04	NMED
44,129 gal storage tank	b	07/01/03	06/30/04	NMED
10,000 gal storage tank	<u>b1487</u>	07/01/03 <u>06</u>	06/30/04 <u>07</u> (renewal pending)	NMED
10,000 gal storage tank	<u>b1487</u>	07/01/03 <u>06</u>	06/30/04 <u>07</u> (renewal pending)	NMED
10,000 gal storage tank	<u>b1487</u>	07/01/03 <u>06</u>	06/30/04 <u>07</u> (renewal pending)	NMED
75,000 gal storage tank	b	07/01/03	06/30/04	NMED
75,000 gal storage tank	b	07/01/03	06/30/04	NMED
75,000 gal storage tank	b	07/01/03	06/30/04	NMED
250,000 gal storage tank	b	07/01/03	06/30/04	NMED
250,000 gal storage tank	b	07/01/03	06/30/04	NMED
250,000 gal storage tank	b	07/01/03	06/30/04	NMED
250,000 gal storage tank	b	07/01/03	06/30/04	NMED
250,000 gal storage tank	b	07/01/03	06/30/04	NMED
250,000 gal storage tank	b	07/01/03	06/30/04	NMED
250,000 gal storage tank	b	07/01/03	06/30/04	NMED
25,000 gal storage tank	b	07/01/03	06/30/04	NMED
<u>1,500 gal storage tank</u>	<u>1487</u>	<u>07/01/06</u>	<u>06/30/07</u> (renewal pending)	<u>NMED</u>
<u>2,000 gal storage tank</u>	<u>1487</u>	<u>07/01/06</u>	<u>06/30/07</u> (renewal pending)	<u>NMED</u>
<u>5,000 gal storage tank</u>	<u>1487</u>	<u>07/01/06</u>	<u>06/30/07</u> (renewal pending)	<u>NMED</u>
<u>5,500 gal storage tank</u>	<u>1487</u>	<u>07/01/06</u>	<u>06/30/07</u> (renewal pending)	<u>NMED</u>

NOTE:

^b Permit number not issued yet.

NMED = New Mexico Environment Department

Sandia National Laboratories/New Mexico
Active Environmental Permits as of 03/31/0402/01/11 (Continued)

Permit Type and/or Facility Name	Permit Number	Issue Date	Expiration Date	Regulatory Agency
RCRA				
“RCRA Part B” Operating Permit ^a for the Hazardous Waste Management Facility (HWMF) Modules I - III General Permit Conditions Module II - General Facility Conditions Module III - Containers	NM5890110518-1	8/6/92	08/06/02 ^{a,c}	NMED
“RCRA Part B” Operating Permit ^b Module IV - Hazardous and Solid Waste Amendments (HSWA) Portion for Solid Waste Management Units	NM5890110518-1	8/26/93	09/20/02 ^{a,c}	EPA/NMED
Operating Permit for the “Thermal Treatment Facility (TTF)” Modules I - III General Permit Conditions Module II - General Facility Conditions Module III - Containers	NM5890110518-2	12/4/94	12/04/04 ^{a,c}	NMED
General Part A Permit Request Storage and/or treatment of the hazardous component of mixed- waste at <u>seventeen</u> waste management Units.	NM5890110518	First submitted 8/90 Rev. <u>105</u> , <u>04/16/03</u> <u>03/22/07</u>	Pending Review (No expiration date)	NMED
Class III Permit Modification for the Management of Hazardous Remediation Waste in the Corrective Action Management Unit (CAMU), Technical Area III	NM5890110518	09/25/97	09/20/02 ^c 4/19/04 ^d	NMED
Comprehensive Part B Permit Request Storage and/or treatment of RCRA-regulated waste at nine waste management Units.	NM5890110518	02/06/02 ^e		NMED
Post-Closure Care Permit for Chemical Waste Landfill	NM5890110518	10/15/09 ^d	^d	NMED
TSCA				
Risk-Based Approval Request under 40 CFR 761.61(c); Risk-Based Method for Management of PCB Materials; Chemical Waste Landfill and CAMU		06/26/02	No expiration date ^d	EPA
Open Burn Permits				
Thermal Treatment Facility (permit must be submitted to NMED within 30-days of receipt)	5-2003-11-0007	01/01/11 03/18/ 04	12/31/11 31/04	COA
Thunder Range Fire Extinguisher Fire Training	11-0006	01/01/11 ^e	12/31/11	COA
Burn Site (Wood Crib)(Large Pool Fire Tests)	11-0008	01/01/11 ^e	12/31/11	COA
Burn Site (Igloo){	11-0012	01/01/11 ^e	12/31/11	COA
Terminal Ballistics Facility – Propellant Applications	11-0003	01/01/11	12/31/11	COA
Terminal Ballistics Facility – Explosive Applications	11-0004	01/01/11	12/31/11	COA
Burn Site/ Thermal Test Complex Sled Track	11-0010	01/01/11 ^e	12/31/11	COA
DETS Complex – 9940 Explosive Testing	11-0011	01/01/11 ^e	12/31/11	COA
Terminal Ballistics Facility – Thermite Applications	11-0005	01/01/11	12/31/11	COA
9920 Test Site and Sled Track	11-0009	^e		COA

NOTE:

a Applied for permit renewal; not yet received
 b Submitted application for renewal on 02/06/2002, undergoing NMED review. Current permit remains in effect while application is under review. Application has been revised in response to NMED comments.
 c CAMU closure report submitted in 4/19/04, undergoing agency review.
 d Permit will not become effective until closure activities are completed. Term of permit is 10 years.

EPA = U.S. Environmental Protection Agency
 NMED = New Mexico Environment Department
 RCRA = Resource Conservation and Recovery Act
 TSCA = Toxic Substances Control Act

Sandia National Laboratories/New Mexico
Active Environmental Permits as of 03/31/0402/01/11 (Continued)

Permit Type and/or Facility Name	Permit Number	Issue Date	Expiration Date	Regulatory Agency
AIR (Permits & Registrations)				
Hammermill Document Disintegrator Facility	144-M1	08/28/85 09/28/ 06	Biennial update	COA
Fire Laboratory used for the Authentication of Modeling and Experiments (FLAME)	196	05/19/88	Registration [†]	COA
Neutron Generator Facility(NGF)	374- M12	07/17/98 12/06/ 10	Biennial update	COA
Neutron Generator Recertification	396	05/07/96	Biennial update	COA
Standby diesel generators (four)	402	05/07/96	Biennial update	COA
Radioactive & Mixed Waste Management Facility	415- M12	11/24/99 05/28/ 08	Biennial update	COA
Explosive Component Isotope Production Facility	428547	07/08/96 05/21/ 97	Biennial update	COA
Title V Operating Permit Air Quality Emission Sources	515 (pending)	Submitted ^a 03/1/96 pending 9	Pending (5 yr renewal)	COA COA
Classified Waste Landfill	560	12/17/96	Biennial update	COA
Classified Waste Landfill	NESHAP	06/96	Approval ^{††}	EPA
Advanced Manufacturing Processes Laboratory HAP Registration	646-1888	01/23/97 05/28/ 08	Biennial update	COA
Portable Burn Pools	647	05/05/97	Biennial update	COA
Chemical Waste Landfill Excavation	540	5/19/99	Registration [†]	COA
High-Energy Radiation Megavolt Electron Source-III	NESHAP	6/29/88	Approval ^{††}	EPA
Advanced Manufacturing Prototype Facility	1406-M1	11/6/00 05/28/ 08	Registration [†]	COA
Microelectronics Development Laboratory	1678-M1	12/23/02 12/14/ 04	Biennial update	COA
Emergency Generator	924	5/5/98	Biennial update	COA
Processing and Environmental Technology Laboratory	925-M1	03/05/01	Biennial update	COA
Processing and Environmental Technology Laboratory	936-M1	pending registration 05/2 8/08	9	COA
Thermal Test Complex	1712	04/09/04	†	COA
Center for Integrated Nanotechnology	1725	10/11/04	†	COA
Microsystems and Engineering Sciences	1820	09/06/06	†	COA
Weapons Integration Facility Boilers	1823	04/01/08	9	COA
TA-1 Emergency Generator	1828	09/28/06	†	COA
Heating System Modernization	1830	03/23/07	†	COA
SDF Emergency Generator	1900	01/11/08	†	COA
Miscellaneous HAP Registration	1901	05/28/08	9	COA
Building 865 HAP Registration	1902	05/28/08	9	COA
National Thermal Solar Test Facility HAP Registration	1903	05/28/08	9	COA
Sled Track HAP Registration	1904	02/01/10	9	COA
Building 869 HAP Registration	1905	05/28/08	9	COA
Strategic Defense Facility Emergency Generator	1930	04/08/09	†	COA
Building 833 Emergency Generator	2097	09/01/10	†	COA
Building 802 Source Registration	2109	10/28/10	9	COA
Building 804 Source Registration	2110	11/08/10	9	COA
Building 810 Source Registration	2111	11/08/10	9	COA
Building 823 Source Registration	2112	11/08/10	9	COA
Building 840 Source Registration	2113	11/08/10	9	COA
Building 857 Source Registration	2114	11/08/10	9	COA
Building 860 Source Registration	2115	11/08/10	9	COA
Building 890 Source Registration	2117	11/29/10	9	COA
Building 887 Source Registration	2118	11/29/10	9	COA

<u>Building 891 Source Registration</u>	<u>2119</u>	<u>11/29/10</u>	<u>g</u>	<u>COA</u>
<u>Building 892 Source Registration</u>	<u>2120</u>	<u>11/29/10</u>	<u>g</u>	<u>COA</u>
<u>Building 894 Source Registration</u>	<u>2121</u>	<u>11/29/10</u>	<u>g</u>	<u>COA</u>
<u>Building 897 Source Registration</u>	<u>2122</u>	<u>11/29/10</u>	<u>g</u>	<u>COA</u>

NOTE:

f _____ No expiration date

g _____ Registration, no permit required. No expiration date.

Sandia National Laboratories/New Mexico
Active Environmental Permits as of 02/01/11 (Continued)

<u>Permit Type and/or Facility Name</u>	<u>Permit Number</u>	<u>Issue Date</u>	<u>Expiration Date</u>	<u>Regulatory Agency</u>
AIR (Fugitive Dust Control and Demolition)				
Moving Vehicle Test	P08-0004	12/11/07	12/11/12	COA
Borrow Site Cell 1	P08-0005	12/10/07	12/10/12	COA
Thunder Range – Range 6	P08-0061	07/18/08	07/18/13	COA
Thunder Range – Range 1	P08-0062	08/07/08	08/07/13	COA
Thunder Range – Range 5	P08-0063	08/07/08	08/07/13	COA
Thunder Range – Range 2	P08-0064	08/07/08	08/07/13	COA
DETS Complex - 9940	P09-0014	07/08/09	07/08/14	COA
DETS – West	P09-0015	07/09/09	07/09/14	COA
DETS – East	P09-0016	07/09/09	07/09/14	COA
Thunder Range – Range 8	P09-0018	08/14/09	08/14/14	COA
Thunder Range – Range 7	P09-0021	12/22/09	12/22/14	COA
Thunder Range – Range 4	P09-0022	12/22/09	12/22/14	COA
DETS - South	P10-0018	11/19/10	11/19/15	COA
Ion Beam Laboratory Construction	10-204-4014	06/30/08	06/30/13	COA
Borrow Pit Cell 3	10-683-4160	05/01/09	04/28/14	COA
Mixed Waste Landfill Cover	10-683-4161	05/01/09	04/28/14	COA
Large Scale LNG Test	1009-626-3732	05/05/07	05/05/12	COA
Building 6570 Test Capabilities Revitalization Upgrades	10-720-4320	04/05/10	04/05/12	COA
Building 884 Demolition	10-210-4398	10/01/10	10/01/12	COA
ARRA Projects at the National Solar Thermal Test Facility	10-564-4405	10/20/10	10/20/15	COA
Pedestrian Pathway to TA-IV	1399-786-4439	01/03/11	01/03/12	COA

NOTE:

- ^a Applied for permit renewal; not yet received
- ^e COA issues open burn permits annually. Sandia/DOE applied for this permit for calendar year 2004.
- ^f No expiration date
- ^{g†} Registration = Certificate, no permit required. No expiration date.
- ^{††} Approval = EPA does not issue a permit.
- EPA = U.S. Environmental Protection Agency

Enclosure D

**Sandia National Laboratories
Permit NM5890110518-1
Hazardous Waste Management Facility**

**Revised Pages, Final
Permit Attachment G with Revisions Incorporated**

SEND COMPLETED FORM TO: The Appropriate State or Regional Office.		United States Environmental Protection Agency RCRA SUBTITLE C SITE IDENTIFICATION FORM	
			
1. Reason for Submittal MARK ALL BOX(ES) THAT APPLY	Reason for Submittal: <ul style="list-style-type: none"> <input type="checkbox"/> To provide an Initial Notification (first time submitting site identification information / to obtain an EPA ID number for this location) <input type="checkbox"/> To provide a Subsequent Notification (to update site identification information for this location) <input type="checkbox"/> As a component of a First RCRA Hazardous Waste Part A Permit Application <input checked="" type="checkbox"/> As a component of a Revised RCRA Hazardous Waste Part A Permit Application (Amendment #) <input type="checkbox"/> As a component of the Hazardous Waste Report (If marked, see sub-bullet below) <input type="checkbox"/> Site was a TSD facility and/or generator of ≥1,000 kg of hazardous waste, >1 kg of acute hazardous waste, or >100 kg of acute hazardous waste spill cleanup <u>in one or more months</u> of the report year (or State equivalent LQG regulations) 		
2. Site EPA ID Number	EPA ID Number: NM5 890 110 518		
3. Site Name	Name: Sandia National Laboratories		
4. Site Location Information	Street Address: 1515 Eubank Blvd. SE		
	City, Town, or Village: Albuquerque		County: Bernalillo
	State: NM	Country: United States	Zip Code: 87123
5. Site Land Type	<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		
6. NAICS Code(s) for the Site (at least 5- digit codes)	A. 92811		C.
	B. 54171		D.
7. Site Mailing Address	Street or P.O. Box: P.O. Box 5400, Sandia Site Office		
	City, Town, or Village: Albuquerque		
	State: NM	Country: United States	Zip Code: 87185-5400
8. Site Contact Person	First Name: David	MI:	Last: Rast
	Title: Mr.		
	Street or P.O. Box: P.O. Box 5400, Sandia Site Office		
	City, Town, or Village: Albuquerque		
	State: NM	Country: United States	Zip Code: 87185-5400
	Email: drast@doeal.gov		
	Phone: 505-845-5349		Ext.:
Fax: 505-845-4710			
9. Legal Owner and Operator of the Site	A. Name of Site's Legal Owner: US Department of Energy		Date Became Owner: 09/1945
	Owner Type: <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		
	Street or P.O. Box: P.O. Box 5400, Sandia Site Office		
	City, Town, or Village: Albuquerque		
	State: NM	Country: United States	Zip Code: 87185-5400
	B. Name of Site's Operator: Sandia Corporation		Date Became Operator: 11/01/1949
	Operator Type: <input type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input type="checkbox"/> Federal <input type="checkbox"/> Indian <input type="checkbox"/> Municipal <input type="checkbox"/> State <input checked="" type="checkbox"/> Other		

10. Type of Regulated Waste Activity (at your site)Mark "Yes" or "No" for all current activities (as of the date submitting the form); complete any additional boxes as instructed.**A. Hazardous Waste Activities; Complete all parts 1-7**Y N **1. Generator of Hazardous Waste**

If "Yes", mark only one of the following – a, b, or c.

a. LQG: Generates, in any calendar month, 1,000 kg/mo (2,200 lbs./mo) or more of hazardous waste; **or**
Generates, in any calendar month, or accumulates at any time, more than 1 kg/mo (2.2 lbs./mo) of acute hazardous waste; **or**
Generates, in any calendar month, or accumulates at any time, more than 100 kg/mo (220 lbs./mo) of acute hazardous spill cleanup material.

b. SQG: 100 to 1,000 kg/mo (220 – 2,200 lbs./mo.) of non-acute hazardous waste.

c. CESQG: Less than 100 kg/mo (220 lbs./mo.) of non acute hazardous waste

If "Yes" above, indicate other generator activities.

Y N

d. Short-Term Generator (generate from a short-term or one-time event and not from on-going processes). If "Yes", provide an explanation in the Comments section.

Y N

e. United States Importer of Hazardous Waste

Y N

f. Mixed Waste (hazardous and radioactive) Generator

Y N **2. Transporter of Hazardous Waste**

If "Yes", mark all that apply

a. Transporter

b. Transfer Facility (at your site)

Y N **3. Treater, Storer, or Disposer of Hazardous Waste**

Note: A hazardous waste permit is required for these activities.

Y N **4. Recycler of Hazardous Waste**Y N **5. Exempt Boiler and/or Industrial Furnace**

If "Yes", mark all that apply.

a. Small Quantity On-site Burner Exemption

b. Smelting, Melting and Refining Furnace Exemption

Y N **6. Underground Injection Control**Y N **7. Receives Hazardous Waste from Off-site****B. Universal Waste Activities; Complete all parts 1-2.**Y N

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

a. Batteries

b. Pesticides

c. Mercury containing equipment

d. Lamps

e. Other (specify) _____

f. Other (specify) _____

g. Other (specify) _____

Y N

2. Destination Facility for Universal Waste:

Note: A hazardous waste permit may be required for this activity.

C. Used Oil Activities; Complete all parts 1-4.Y N **1. Used Oil Transporter**

If "Yes", mark all that apply

a. Transporter

b. Transfer Facility

Y N **2. Used Oil Processor and/or Re-refiner**

If "Yes", mark all that apply

a. Processor

b. Re-refiner

Y N **3. Off-Specification Used Oil Burner**Y N **4. Used Oil Fuel Marketer**

If "Yes", mark all that apply

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

D. Eligible Academic Entities with Laboratories—Notification for opting into or withdrawing from managing laboratory hazardous wastes pursuant to 40 CFR Part 262 Subpart K

- ❖ You must check with your State to determine if you are eligible to manage laboratory hazardous wastes pursuant to 40 CFR Part 262 Subpart K

1. Opting into or currently operating under 40 CFR Part 262 Subpart K for the management of hazardous wastes in laboratories
See the item-by-item instructions for definitions of types of eligible academic entities. Mark all that apply:

a. College or University
 a. Teaching Hospital that is owned by or has a formal written affiliation agreement with a college or university
 a. Non-profit Institute that is owned by or has a formal written affiliation agreement with a college or university

2. Withdrawing from 40 CFR Part 262 Subpart K for the management of hazardous wastes in laboratories

11. Description of Hazardous Wastes *(n/a per instructions)*

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.

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.

12. Notification of Hazardous Secondary Material (HSM) Activity

Y N Are you notifying under 40 CFR 260.42 that you will begin managing, are managing, or will stop managing hazardous secondary material under 40 CFR 261.2(a)(2)(ii), 40 CFR 261.4(a)(23), (24), or (25)?

If "Yes", you must fill out the Addendum to the Site Identification Form: Notification for Managing Hazardous Secondary Material.

13. Comments

Facility latitude: 35 degrees, 01 minutes, 45 seconds North

Facility longitude: 106 degrees, 32 minutes, 30 seconds West

14. 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 owner(s) and operator(s) must sign (see 40 CFR 270.10(b) and 270.11).

Signature of legal owner, operator, or an authorized representative	Name and Official Title (type or print)	Date Signed (mm/dd/yyyy)
	<i>Owner: Patty Wagner, Manager, US DOE, Sandia Site Office</i>	
	<i>Operator: Michael W. Hazen, Vice President, Sandia Corporation</i>	

United States Environmental Protection Agency
HAZARDOUS WASTE PERMIT INFORMATION FORM

7. Process Codes and Design Capacities – Enter information in the Section on Form Page 3.

A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. 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 8.

B. PROCESS DESIGN CAPACITY - For each code entered in Item 7.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 Item 7.B(1), enter the code in Item 7.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 Unit of Measure for Process Design Capacity	Process Code	Process	Appropriate Unit of Measure for Process Design Capacity
Disposal			Treatment (Continued)		
D79	Underground Injection Well Disposal	Gallons; Kiters; 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
D80	Landfill	Acre-Feet; Hectares-meter; Acres; Cubic Meters; Hectares; Cubic Yards	T82	Lime Kiln	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
D81	Land Treatment	Acres or Hectares	T83	Aggregate Kiln	
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 Listed Below	T86	Blast Furnace	
Storage			T87	Smelting, Melting, or Refining Furnace	
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	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; 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 Listed 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
Treatment			Miscellaneous (Subpart X)		
T01	Tank Treatment	Gallons Per Day; Liters Per Day	X01	Open Burning/Open Detonation	Any Unit of Measure Listed Below
T02	Surface Impoundment	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; BTUs Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Gallons 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; Short Tons Per Day; BTUs 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; BTUs Per Hour; or Million BTU Per Hour	X99	Other Subpart X	Any Unit of Measure Listed Below

Unit of Measure	Unit of Measure Code	Unit of Measure	Unit of Measure Code	Unit of Measure	Unit of Measure Code
Gallons	G	Short Tons Per Hour	D	Cubic Yards	Y
Gallons Per Hour	E	Short Tons Per Day	N	Cubic Meters	C
Gallons Per Day	U	Metric Tons Per Hour	W	Acres	B
Liters	L	Metric Tons Per Day	S	Acre-feet	A
Liters Per Hour	H	Pounds Per Hour	J	Hectares	Q
Liters Per Day	V	Kilograms Per Hour	X	Hectare-meter	F
		Million BTU Per Hour	X	BTU Per Hour	I

7. Process Codes and Design Capacities (Continued)

EXAMPLE FOR COMPLETING Item 7 (shown in line number X-1 below): A facility has a storage tank, which can hold 533.788 gallons

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 line sequentially, taking into account any lines that will be used for "other" processes (i.e., D99, S99, T04 and X99) in Item 8.

8. Other Processes (Follow instructions from Item 7 for D99, S99, T04, and X99 process codes)

9. Description of Hazardous Wastes – 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 C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

B. **ESTIMATED ANNUAL QUANTITY** - For each listed waste entered in Item 9.A, estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in Item 9.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 Item 9.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 Item 9.A, select the code(s) from the list of process codes contained in Items 7.A and 8.A on page 3 to indicate all the processes that will be used to store, treat, and/or dispose of all listed hazardous wastes.

For non-listed hazardous waste: For each characteristic or toxic contaminant entered in Item 9.A, select the code(s) from the list of process codes contained in Items 7.A and 8.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 9.D(1).
3. Use additional sheet, enter line number from previous sheet, and enter additional code(s) in Item 9.E.

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in Item 9.D(2) or in Item 9.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 Item 9.A. On the same line complete Items 9.B, 9.C, and 9.D by estimating the total annual quantity of the waste and describing all the processes to be used to store, treat, and/or dispose of the waste.
2. In Item 9.A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In Item 9.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 9 (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 Qty of Waste	C. Unit of Measure (Enter Code)	D. PROCESSES									
					(1) PROCESS CODES (Enter Code)							(2) PROCESS DESCRIPTION (If code is not entered in 9.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

9. Description of Hazardous Wastes (Continued. Use additional sheet(s) as necessary; number pages as 5a, etc.)

Line Number	A. EPA Hazardous Waste No. (Enter code)	B. Estimated Annual Qty 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	D001	40,000	K	S01			Hazardous Waste
2	D001	6,000	K	S01			Hazardous Waste
	D002						Included in above
3	D001	1,000	K	S01			Hazardous Waste
	D002		K	S01			Included in above
	D003		K	S01			Included in above
4	D001	6,000	K	S01			Hazardous Waste
	D002			S01			Included in above
	D008						Included in above
5	D001	3,000	K	S01			Hazardous Waste
	D003						Included in above
6	D001	15,000	K	S01			Hazardous Waste
	D003						Included in above
	D005						Included in above
	D006						Included in above
	D007						Included in above
	D008						Included in above
7	D001	8,000	K	S01			Hazardous Waste
	D003						Included in above
	D005						Included in above
	D007						Included in above
	D008						Included in above
8	D001	1,000	K	S01			Hazardous Waste
	D006						Included in above
9	D001	5,000	K	S01			Hazardous Waste
	D007						Included in above
10	D001	1,000	K	S01			Hazardous Waste
	D008						Included in above
11	D001	4,000	K	S01			Hazardous Waste
	D008						Included in above
	D018						Included in above
12	D001	500	K	S01			Hazardous Waste
	D008						Included in above
	D035						Included in above
13	D001	8,000	K	S01			Hazardous Waste
	D018						Included in above
14	D001	1,000	K	S01			Hazardous Waste
	D035						Included in above
15	D001	500	K	S01			Hazardous Waste
	D004						Included in above
16	D002	30,000	K	S01			Hazardous Waste
17	D002	1,000	K	S01			Hazardous Waste

9. Description of Hazardous Wastes (Continued. Use additional sheet(s) as necessary; number pages as 5a, etc.)

Line Number	A. EPA Hazardous Waste No. (Enter code)	B. Estimated Annual Qty 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))	
	D003						Included in above
18	D002	500	K	S01			Hazardous Waste
	D007						Included in above
19	D003	5,000	K	S01			Hazardous Waste
20	D003	5,000	K	S01	T04		Hazardous Waste
	D001						Potentially Included in Above
	D011						Potentially Included in Above
	F003						Potentially Included in Above
	F005						Potentially Included in Above
21	D004	10,000	K	S01			Hazardous Waste
22	D004	2,000	K	S01			Hazardous Waste
	D005						Included in above
	D006						Included in above
	D007						Included in above
	D008						Included in above
	D011						Included in above
23	D004	1,000	K	S01			Hazardous Waste
	D006						Included in above
	D007						Included in above
	D008						Included in above
24	D005	10,000	K	S01			Hazardous Waste
25	D005	500	K	S01			Hazardous Waste
	D006						Included in above
	D007						Included in above
	D008						Included in above
26	D005	4,000	K	S01			Hazardous Waste
	D008						Included in above
27	D006	10,000	K	S01			Hazardous Waste
28	D006	5,000	K	S01			Hazardous Waste
	D008						Included in above
29	D007	10,000	K	S01			Hazardous Waste
30	D007	2,000	K	S01			Hazardous Waste
	D008						Included in above
31	D008	17,000	K	S01			Hazardous Waste
32	D008	3,000	K	S01			Hazardous Waste
	D018						Included in above
33	D009	7,000	K	S01			Hazardous Waste
34	D010	10,000	K	S01			Hazardous Waste
35	D011	15,000	K	S01			Hazardous Waste
36	D012	50	K	S01			Hazardous Waste
37	D013	50	K	S01			Hazardous Waste
38	D014	50	K	S01			Hazardous Waste

9. Description of Hazardous Wastes (Continued. Use additional sheet(s) as necessary; number pages as 5a, etc.)

Line Number	A. EPA Hazardous Waste No. (Enter code)	B. Estimated Annual Qty 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))	
39	D015	50	K	S01			Hazardous Waste
40	D016	50	K	S01			Hazardous Waste
41	D017	50	K	S01			Hazardous Waste
42	D018	7,000	K	S01			Hazardous Waste
43	D019	200	K	S01			Hazardous Waste
44	D020	50	K	S01			Hazardous Waste
45	D021	100	K	S01			Hazardous Waste
46	D022	2,000	K	S01			Hazardous Waste
47	D023	50	K	S01			Hazardous Waste
48	D024	50	K	S01			Hazardous Waste
49	D025	50	K	S01			Hazardous Waste
50	D026	100	K	S01			Hazardous Waste
51	D027	100	K	S01			Hazardous Waste
52	D028	1,000	K	S01			Hazardous Waste
53	D029	100	K	S01			Hazardous Waste
54	D030	500	K	S01			Hazardous Waste
55	D031	50	K	S01			Hazardous Waste
56	D032	100	K	S01			Hazardous Waste
57	D033	100	K	S01			Hazardous Waste
58	D034	500	K	S01			Hazardous Waste
59	D035	15,000	K	S01			Hazardous Waste
60	D036	100	K	S01			Hazardous Waste
61	D037	100	K	S01			Hazardous Waste
62	D038	500	K	S01			Hazardous Waste
63	D039	2,000	K	S01			Hazardous Waste
64	D040	5,000	K	S01			Hazardous Waste
65	D041	50	K	S01			Hazardous Waste
66	D042	50	K	S01			Hazardous Waste
67	D043	50	K	S01			Hazardous Waste
68	F001	10,000	K	S01			Hazardous Waste
69	F002	6,000	K	S01			Hazardous Waste
70	F002	8,000	K	S01			Hazardous Waste
	F003						Included in above
71	F002	1,000	K	S01			Hazardous Waste
	F003						Included in above
	D001						Included in above
72	F002	1,000	K	S01			Hazardous Waste
	F003						Included in above
	F005						Included in above
	D001						Included in above
73	F002	50	K	S01			Hazardous Waste
	F003						Included in above

9. Description of Hazardous Wastes (Continued. Use additional sheet(s) as necessary; number pages as 5a, etc.)

Line Number	A. EPA Hazardous Waste No. (Enter code)	B. Estimated Annual Qty 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))	
	D040						Included in above
74	F002	1,000	K	S01			Hazardous Waste
	D001						Included in above
75	F002	200	K	S01			Hazardous Waste
	D006						Included in above
	D007						Included in above
76	F002	300	K	S01			Hazardous Waste
	D008						Included in above
77	F002	400	K	S01			Hazardous Waste
	D019						Included in above
	D040						Included in above
78	F002	2,000	K	S01			Hazardous Waste
	D039						Included in above
79	F003	12,000	K	S01			Hazardous Waste
80	F003	10,000	K	S01			Hazardous Waste
	D001						Included in above
81	F003	10	K	S01			Hazardous Waste
	D009						Included in above
82	F004	1,000	K	S01			Hazardous Waste
83	F005	12,000	K	S01			Hazardous Waste
84	F005	1,000	K	S01			Hazardous Waste
	F003						Included in above
	D001						Included in above
	D007						Included in above
	D035						Included in above
85	F005	1,000	K	S01			Hazardous Waste
	F003						Included in above
	D001						Included in above
	D018						Included in above
	D035						Included in above
86	F005	5,000	K	S01			Hazardous Waste
	F003						Included in above
	D001						Included in above
87	F005	500	K	S01			Hazardous Waste
	F003						Included in above
	D001						Included in above
	D035						Included in above
88	F006	100	K	S01			Hazardous Waste
89	F007	2,000	K	S01			Hazardous Waste
90	F007	2,000	K	S01			Hazardous Waste
	D002						Included in above
	D003						Included in above

9. Description of Hazardous Wastes (Continued. Use additional sheet(s) as necessary; number pages as 5a, etc.)

Line Number	A. EPA Hazardous Waste No. (Enter code)	B. Estimated Annual Qty 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))	
	D006						Included in above
91	F007	1,000	K	S01			Hazardous Waste
	D002						Included in above
	D003						Included in above
	D011						Included in above
92	F007	1,000	K	S01			Hazardous Waste
93	F008	100	K	S01			Hazardous Waste
94	F009	100	K	S01			Hazardous Waste
95	F010	100	K	S01			Hazardous Waste
96	F011	100	K	S01			Hazardous Waste
97	F027	150	K	S01			Hazardous Waste
98	F039	200,000	K	S01			Hazardous Waste
99	P001	25	K	S01			Hazardous Waste
100	P002	10	K	S01			Hazardous Waste
101	P003	10	K	S01			Hazardous Waste
102	P004	10	K	S01			Hazardous Waste
103	P005	25	K	S01			Hazardous Waste
104	P006	10	K	S01			Hazardous Waste
105	P007	10	K	S01			Hazardous Waste
106	P008	10	K	S01			Hazardous Waste
107	P009	10	K	S01			Hazardous Waste
108	P010	10	K	S01			Hazardous Waste
109	P011	25	K	S01			Hazardous Waste
110	P012	10	K	S01			Hazardous Waste
111	P013	10	K	S01			Hazardous Waste
112	P014	10	K	S01			Hazardous Waste
113	P015	10	K	S01			Hazardous Waste
114	P016	10	K	S01			Hazardous Waste
115	P017	10	K	S01			Hazardous Waste
116	P018	10	K	S01			Hazardous Waste
117	P020	10	K	S01			Hazardous Waste
118	P021	10	K	S01			Hazardous Waste
119	P022	100	K	S01			Hazardous Waste
120	P023	10	K	S01			Hazardous Waste
121	P024	10	K	S01			Hazardous Waste
122	P026	10	K	S01			Hazardous Waste
123	P027	10	K	S01			Hazardous Waste
124	P028	10	K	S01			Hazardous Waste
125	P029	1,500	K	S01			Hazardous Waste
126	P030	250	K	S01			Hazardous Waste
127	P031	10	K	S01			Hazardous Waste
128	P033	10	K	S01			Hazardous Waste

9. Description of Hazardous Wastes (Continued. Use additional sheet(s) as necessary; number pages as 5a, etc.)

Line Number	A. EPA Hazardous Waste No. (Enter code)	B. Estimated Annual Qty 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))	
129	P034	10	K	S01			Hazardous Waste
130	P036	10	K	S01			Hazardous Waste
131	P037	10	K	S01			Hazardous Waste
132	P038	10	K	S01			Hazardous Waste
133	P039	10	K	S01			Hazardous Waste
134	P040	10	K	S01			Hazardous Waste
135	P041	10	K	S01			Hazardous Waste
136	P042	10	K	S01			Hazardous Waste
137	P043	10	K	S01			Hazardous Waste
138	P044	10	K	S01			Hazardous Waste
139	P045	10	K	S01			Hazardous Waste
140	P046	10	K	S01			Hazardous Waste
142	P048	10	K	S01			Hazardous Waste
143	P049	10	K	S01			Hazardous Waste
144	P050	10	K	S01			Hazardous Waste
145	P051	10	K	S01			Hazardous Waste
146	P054	10	K	01			Hazardous Waste
147	P056	10	K	S01			Hazardous Waste
148	P057	10	K	S01			Hazardous Waste
149	P058	10	K	S01			Hazardous Waste
150	P059	10	K	S01			Hazardous Waste
151	P060	10	K	S01			Hazardous Waste
152	P062	10	K	S01			Hazardous Waste
153	P063	10	K	S01			Hazardous Waste
154	P064	150	K	S01			Hazardous Waste
155	P065	10	K	S01			Hazardous Waste
156	P066	10	K	S01			Hazardous Waste
157	P067	10	K	S01			Hazardous Waste
158	P068	10	K	S01			Hazardous Waste
159	P069	10	K	S01			Hazardous Waste
160	P070	10	K	S01			Hazardous Waste
161	P071	10	K	S01			Hazardous Waste
162	P072	10	K	S01			Hazardous Waste
163	P073	10	K	S01			Hazardous Waste
164	P074	10	K	S01			Hazardous Waste
165	P075	10	K	S01			Hazardous Waste
166	P076	10	K	S01			Hazardous Waste
167	P077	10	K	S01			Hazardous Waste
168	P078	30	K	S01			Hazardous Waste
169	P081	10	K	S01			Hazardous Waste
170	P082	10	K	S01			Hazardous Waste
171	P084	10	K	S01			Hazardous Waste

9. Description of Hazardous Wastes (Continued. Use additional sheet(s) as necessary; number pages as 5a, etc.)

Line Number	A. EPA Hazardous Waste No. (Enter code)	B. Estimated Annual Qty 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))	
172	P085	10	K	S01			Hazardous Waste
173	P087	50	K	S01			Hazardous Waste
174	P088	10	K	S01			Hazardous Waste
175	P089	10	K	S01			Hazardous Waste
176	P092	10	K	S01			Hazardous Waste
177	P093	10	K	S01			Hazardous Waste
178	P094	10	K	S01			Hazardous Waste
179	P095	10	K	S01			Hazardous Waste
180	P096	10	K	S01			Hazardous Waste
181	P097	10	K	S01			Hazardous Waste
182	P098	50	K	S01			Hazardous Waste
183	P099	10	K	S01			Hazardous Waste
184	P101	10	K	S01			Hazardous Waste
185	P102	10	K	S01			Hazardous Waste
186	P103	10	K	S01			Hazardous Waste
187	P104	100	K	S01			Hazardous Waste
188	P105	10	K	S01			Hazardous Waste
189	P106	1,000	K	S01			Hazardous Waste
190	P108	10	K	S01			Hazardous Waste
191	P109	10	K	S01			Hazardous Waste
192	P110	10	K	S01			Hazardous Waste
193	P111	10	K	S01			Hazardous Waste
194	P112	10	K	S01			Hazardous Waste
195	P113	50	K	S01			Hazardous Waste
196	P114	10	K	S01			Hazardous Waste
197	P115	10	K	S01			Hazardous Waste
198	P116	10	K	S01			Hazardous Waste
199	P118	10	K	S01			Hazardous Waste
200	P119	10	K	S01			Hazardous Waste
201	P120	25	K	S01			Hazardous Waste
202	P121	10	K	S01			Hazardous Waste
203	P122	10	K	S01			Hazardous Waste
204	P123	10	K	S01			Hazardous Waste
205	U001	10	K	S01			Hazardous Waste
206	U002	1,000	K	S01			Hazardous Waste
207	U003	250	K	S01			Hazardous Waste
208	U004	10	K	S01			Hazardous Waste
209	U005	10	K	S01			Hazardous Waste
210	U006	10	K	S01			Hazardous Waste
211	U007	10	K	S01			Hazardous Waste
212	U008	100	K	S01			Hazardous Waste
213	U009	10	K	S01			Hazardous Waste

9. Description of Hazardous Wastes (Continued. Use additional sheet(s) as necessary; number pages as 5a, etc.)

Line Number	A. EPA Hazardous Waste No. (Enter code)	B. Estimated Annual Qty 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))	
214	U010	10	K	S01			Hazardous Waste
215	U011	10	K	S01			Hazardous Waste
216	U012	25	K	S01			Hazardous Waste
217	U014	10	K	S01			Hazardous Waste
218	U015	10	K	S01			Hazardous Waste
219	U016	10	K	S01			Hazardous Waste
220	U017	10	K	S01			Hazardous Waste
221	U018	10	K	S01			Hazardous Waste
222	U019	150	K	S01			Hazardous Waste
223	U020	10	K	S01			Hazardous Waste
224	U021	10	K	S01			Hazardous Waste
225	U022	10	K	S01			Hazardous Waste
226	U023	10	K	S01			Hazardous Waste
227	U024	10	K	S01			Hazardous Waste
228	U025	10	K	S01			Hazardous Waste
229	U026	10	K	S01			Hazardous Waste
230	U027	10	K	S01			Hazardous Waste
231	U028	5,000	K	S01			Hazardous Waste
232	U029	10	K	S01			Hazardous Waste
233	U030	10	K	S01			Hazardous Waste
234	U031	500	K	S01			Hazardous Waste
235	U032	500	K	S01			Hazardous Waste
236	U033	10	K	S01			Hazardous Waste
237	U034	10	K	S01			Hazardous Waste
238	U035	50	K	S01			Hazardous Waste
239	U036	500	K	S01			Hazardous Waste
240	U037	50	K	S01			Hazardous Waste
241	U038	10	K	S01			Hazardous Waste
242	U039	10	K	S01			Hazardous Waste
243	U041	10	K	S01			Hazardous Waste
244	U042	10	K	S01			Hazardous Waste
245	U043	10	K	S01			Hazardous Waste
246	U044	150	K	S01			Hazardous Waste
247	U045	25	K	S01			Hazardous Waste
248	U046	10	K	S01			Hazardous Waste
249	U047	10	K	S01			Hazardous Waste
250	U048	10	K	S01			Hazardous Waste
251	U049	10	K	S01			Hazardous Waste
252	U050	10	K	S01			Hazardous Waste
253	U051	75	K	S01			Hazardous Waste
254	U052	25	K	S01			Hazardous Waste
255	U053	10	K	S01			Hazardous Waste

9. Description of Hazardous Wastes (Continued. Use additional sheet(s) as necessary; number pages as 5a, etc.)

Line Number	A. EPA Hazardous Waste No. (Enter code)	B. Estimated Annual Qty 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))	
256	U055	25	K	S01			Hazardous Waste
257	U056	250	K	S01			Hazardous Waste
258	U057	25	K	S01			Hazardous Waste
259	U058	10	K	S01			Hazardous Waste
260	U059	10	K	S01			Hazardous Waste
261	U060	10	K	S01			Hazardous Waste
262	U061	10	K	S01			Hazardous Waste
263	U062	10	K	S01			Hazardous Waste
264	U063	10	K	S01			Hazardous Waste
265	U064	10	K	S01			Hazardous Waste
266	U066	10	K	S01			Hazardous Waste
267	U067	25	K	S01			Hazardous Waste
268	U068	10	K	S01			Hazardous Waste
269	U069	100	K	S01			Hazardous Waste
270	U070	50	K	S01			Hazardous Waste
271	U071	10	K	S01			Hazardous Waste
272	U072	10	K	S01			Hazardous Waste
273	U073	10	K	S01			Hazardous Waste
274	U074	10	K	S01			Hazardous Waste
275	U075	200	K	S01			Hazardous Waste
276	U076	10	K	S01			Hazardous Waste
277	U077	200	K	S01			Hazardous Waste
278	U078	50	K	S01			Hazardous Waste
279	U079	50	K	S01			Hazardous Waste
280	U080	1,000	K	S01			Hazardous Waste
281	U081	10	K	S01			Hazardous Waste
282	U082	10	K	S01			Hazardous Waste
283	U083	10	K	S01			Hazardous Waste
284	U084	10	K	S01			Hazardous Waste
285	U085	10	K	S01			Hazardous Waste
286	U086	10	K	S01			Hazardous Waste
287	U087	10	K	S01			Hazardous Waste
288	U088	10	K	S01			Hazardous Waste
289	U089	10	K	S01			Hazardous Waste
290	U090	10	K	S01			Hazardous Waste
291	U091	10	K	S01			Hazardous Waste
292	U092	10	K	S01			Hazardous Waste
293	U093	10	K	S01			Hazardous Waste
294	U094	10	K	S01			Hazardous Waste
295	U095	10	K	S01			Hazardous Waste
296	U096	10	K	S01			Hazardous Waste
297	U097	10	K	S01			Hazardous Waste

9. Description of Hazardous Wastes (Continued. Use additional sheet(s) as necessary; number pages as 5a, etc.)

Line Number	A. EPA Hazardous Waste No. (Enter code)	B. Estimated Annual Qty 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))	
298	U098	10	K	SO1			Hazardous Waste
299	U099	10	K	SO1			Hazardous Waste
300	U101	10	K	SO1			Hazardous Waste
301	U102	20	K	SO1			Hazardous Waste
302	U103	10	K	SO1			Hazardous Waste
303	U105	10	K	SO1			Hazardous Waste
304	U106	10	K	SO1			Hazardous Waste
305	U107	50	K	SO1			Hazardous Waste
306	U108	50	K	SO1			Hazardous Waste
307	U109	10	K	SO1			Hazardous Waste
308	U110	10	K	SO1			Hazardous Waste
309	U111	10	K	SO1			Hazardous Waste
310	U112	1,000	K	SO1			Hazardous Waste
311	U113	10	K	SO1			Hazardous Waste
312	U114	10	K	SO1			Hazardous Waste
313	U115	10	K	SO1			Hazardous Waste
314	U116	10	K	SO1			Hazardous Waste
315	U117	30	K	SO1			Hazardous Waste
316	U118	10	K	SO1			Hazardous Waste
317	U119	10	K	SO1			Hazardous Waste
318	U120	10	K	SO1			Hazardous Waste
319	U121	200	K	SO1			Hazardous Waste
320	U122	500	K	SO1			Hazardous Waste
321	U123	35	K	SO1			Hazardous Waste
322	U124	10	K	SO1			Hazardous Waste
323	U125	10	K	SO1			Hazardous Waste
324	U126	10	K	SO1			Hazardous Waste
325	U127	10	K	SO1			Hazardous Waste
326	U128	10	K	SO1			Hazardous Waste
327	U129	10	K	SO1			Hazardous Waste
328	U130	10	K	SO1			Hazardous Waste
329	U131	50	K	SO1			Hazardous Waste
330	U132	25	K	SO1			Hazardous Waste
331	U133	250	K	SO1			Hazardous Waste
332	U134	2,000	K	SO1			Hazardous Waste
333	U134	100	K	SO1			Hazardous Waste
334	D002						Included in above
335	U135	75	K	SO1			Hazardous Waste
336	U136	10	K	SO1			Hazardous Waste
337	U137	10	K	SO1			Hazardous Waste
338	U138	10	K	SO1			Hazardous Waste
339	U140	50	K	SO1			Hazardous Waste

9. Description of Hazardous Wastes (Continued. Use additional sheet(s) as necessary; number pages as 5a, etc.)

Line Number	A. EPA Hazardous Waste No. (Enter code)	B. Estimated Annual Qty 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))	
340	U141	10	K	S01			Hazardous Waste
341	U142	10	K	S01			Hazardous Waste
342	U143	10	K	S01			Hazardous Waste
343	U144	300	K	S01			Hazardous Waste
344	U145	10	K	S01			Hazardous Waste
345	U146	10	K	S01			Hazardous Waste
346	U147	100	K	S01			Hazardous Waste
347	U148	10	K	S01			Hazardous Waste
348	U149	10	K	S01			Hazardous Waste
349	U150	10	K	S01			Hazardous Waste
350	U151	1,000	K	S01			Hazardous Waste
351	U151	300	K	S01			Hazardous Waste
	D002						Included in above
352	U151	100	K	S01			Hazardous Waste
	D009						Included in above
353	U152	10	K	S01			Hazardous Waste
354	U153	10	K	S01			Hazardous Waste
355	U154	500	K	S01			Hazardous Waste
356	U155	10	K	S01			Hazardous Waste
357	U156	10	K	S01			Hazardous Waste
358	U157	10	K	S01			Hazardous Waste
359	U158	25	K	S01			Hazardous Waste
360	U159	125	K	S01			Hazardous Waste
361	U160	50	K	S01			Hazardous Waste
362	U161	50	K	S01			Hazardous Waste
363	U162	100	K	S01			Hazardous Waste
364	U163	10	K	S01			Hazardous Waste
365	U164	10	K	S01			Hazardous Waste
366	U165	1,000	K	S01			Hazardous Waste
367	U166	10	K	S01			Hazardous Waste
368	U167	10	K	S01			Hazardous Waste
369	U168	10	K	S01			Hazardous Waste
370	U169	200	K	S01			Hazardous Waste
371	U170	10	K	S01			Hazardous Waste
372	U171	25	K	S01			Hazardous Waste
373	U172	10	K	S01			Hazardous Waste
374	U173	10	K	S01			Hazardous Waste
375	U174	10	K	S01			Hazardous Waste
376	U176	10	K	S01			Hazardous Waste
377	U177	50	K	S01			Hazardous Waste
378	U178	50	K	S01			Hazardous Waste
379	U179	100	K	S01			Hazardous Waste

9. Description of Hazardous Wastes (Continued. Use additional sheet(s) as necessary; number pages as 5a, etc.)

Line Number	A. EPA Hazardous Waste No. (Enter code)	B. Estimated Annual Qty 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))	
380	U180	100	K	S01			Hazardous Waste
381	U181	50	K	S01			Hazardous Waste
382	U182	25	K	S01			Hazardous Waste
383	U183	25	K	S01			Hazardous Waste
384	U184	25	K	S01			Hazardous Waste
385	U185	25	K	S01			Hazardous Waste
386	U186	50	K	S01			Hazardous Waste
387	U187	10	K	S01			Hazardous Waste
388	U188	25	K	S01			Hazardous Waste
389	U189	10	K	S01			Hazardous Waste
390	U190	10	K	S01			Hazardous Waste
391	U191	10	K	S01			Hazardous Waste
392	U192	10	K	S01			Hazardous Waste
393	U193	10	K	S01			Hazardous Waste
394	U194	10	K	S01			Hazardous Waste
395	U196	25	K	S01			Hazardous Waste
396	U197	10	K	S01			Hazardous Waste
397	U200	10	K	S01			Hazardous Waste
398	U201	25	K	S01			Hazardous Waste
399	U202	10	K	S01			Hazardous Waste
400	U203	10	K	S01			Hazardous Waste
401	U204	25	K	S01			Hazardous Waste
402	U205	10	K	S01			Hazardous Waste
403	U206	10	K	S01			Hazardous Waste
404	U207	10	K	S01			Hazardous Waste
405	U208	10	K	S01			Hazardous Waste
406	U209	20	K	S01			Hazardous Waste
407	U210	25	K	S01			Hazardous Waste
408	U211	100	K	S01			Hazardous Waste
409	U213	350	K	S01			Hazardous Waste
410	U214	10	K	S01			Hazardous Waste
411	U215	10	K	S01			Hazardous Waste
412	U216	10	K	S01			Hazardous Waste
413	U217	10	K	S01			Hazardous Waste
414	U218	10	K	S01			Hazardous Waste
415	U219	25	K	S01			Hazardous Waste
416	U220	500	K	S01			Hazardous Waste
417	U221	10	K	S01			Hazardous Waste
418	U222	10	K	S01			Hazardous Waste
419	U223	1,000	K	S01			Hazardous Waste
420	U225	50	K	S01			Hazardous Waste
421	U226	4,000	K	S01			Hazardous Waste

9. Description of Hazardous Wastes (Continued. Use additional sheet(s) as necessary; number pages as 5a, etc.)

Line Number	A. EPA Hazardous Waste No. (Enter code)	B. Estimated Annual Qty 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)				
422	U227	1,500	K	S01				Hazardous Waste
423	U228	1,000	K	S01				Hazardous Waste
424	U234	10	K	S01				Hazardous Waste
425	U235	10	K	S01				Hazardous Waste
426	U236	10	K	S01				Hazardous Waste
427	U237	10	K	S01				Hazardous Waste
428	U238	10	K	S01				Hazardous Waste
429	U239	250	K	S01				Hazardous Waste
430	U240	10	K	S01				Hazardous Waste
431	U243	10	K	S01				Hazardous Waste
432	U244	10	K	S01				Hazardous Waste
433	U246	10	K	S01				Hazardous Waste
434	U247	10	K	S01				Hazardous Waste
435	U248	10	K	S01				Hazardous Waste
436	U249	10	K	S01				Hazardous Waste
437	U328	10	K	S01				Hazardous Waste
438	U353	10	K	S01				Hazardous Waste
439	U359	100	K	S01				Hazardous Waste
141	P047	10	K	S01				Hazardous Waste

10. Map

Attach to this application a topographical 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.

11. Facility Drawing

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

12. Photographs

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).

13. Comments

Facility latitude: 35 degrees, 01 minutes, 45 seconds North

Facility longitude: 106 degrees, 32 minutes, 30 seconds West

APPENDIX A
ACTIVE ENVIRONMENTAL PERMITS

**Sandia National Laboratories/New Mexico
Active Environmental Permits as of 02/01/2011**

Permit Type and/or Facility Name	Permit Number	Issue Date	Expiration Date	Regulatory Agency
SEWER WASTEWATER				
General	2069 A-7	07/17/08	02/28/13	COA
General	2069 F-7	06/17/10	03/31/14	COA
Microelectronics Development Laboratory	2069 G-7	05/05/10	02/28/15	COA
General	2069 I-6	06/15/10	08/31/14	COA
General	2069 K-6	05/25/10	10/31/14	COA
Center for Integrated Nanotechnology	2238 A	01/05/07	04/30/10	COA
SURFACE DISCHARGE				
Pulsed Power Development Facilities (Discharge Plan)	DP-530	09/12/07	09/12/12	NMED
UNDERGROUND STORAGE TANKS				
20,000 gal oil storage tank	1485	07/01/06	06/30/07 (renewal pending)	NMED, UST Bur.
20,000 gal oil storage tank	1486	07/01/06	06/30/07 (renewal pending)	NMED, UST Bur.
STORM WATER				
National Pollution Discharge Elimination System "Multi-sector General" Permit	NMR05A961	10/15/09	10/30/05 (active until terminated)	EPA
Mixed Waste Landfill Cover	R15EZ15	05/18/06	active until terminated	EPA
TA-III Concrete Recycle/Borrow	R15F015	05/31/06	active until terminated	EPA
Heating Systems Modernization	R15FK02	05/11/07	submitted notice of termination	EPA
Dynamic Explosive Test Site Thunder Range	R15G365	06/03/08	12/31/13	EPA
TA II Escarpment	R10G475	08/12/08	active until terminated	EPA
Ion Beam Laboratory Construction	R10G588	10/01/08	active until terminated	EPA
Large Scale Liquid Natural Gas Pool Fire Experiment	R10G703	10/24/08	active until terminated	EPA
9940 Complex	R10GO81	09/01/09	active until terminated	EPA
Technical Capabilities Revitalization Phase II – Mechanical Shock Tube Project	R10GY81	04/01/10	active until terminated	EPA
12 th Street Roadway Improvements	R10H419	09/14/10	active until terminated	EPA
National Solar Thermal Test	R10H628	12/07/10	active until terminated	EPA
ECOLOGICAL				
New Mexico Department of Game and Fish, for Scientific/Educational Purposes, Authorization for Taking of Protected Wildlife	2931	pending	pending	New Mexico Department of Game and Fish
US Fish and Wildlife Special Purpose - Salvage	MB02907A-0	02/12/10	03/31/13	U.S. Fish and Wildlife Service

NOTE:

- ^a Applied for permit renewal, not yet received.
- ^b Permit number not issued yet.

COA = City of Albuquerque

NMED = New Mexico Environment Department

EPA = U.S. Environmental Protection Agency

UST Bur. = Underground Storage Tank Bureau

**Sandia National Laboratories/New Mexico
Active Environmental Permits as of 02/01/11 (Continued)**

Permit Type and/or Facility Name	Permit Number	Issue Date	Expiration Date	Regulatory Agency
ABOVEGROUND STORAGE TANKS				
10,000 gal storage tank	1487	07/01/06	06/30/07 (renewal pending)	NMED
10,000 gal storage tank	1487	07/01/06	06/30/07 (renewal pending)	NMED
10,000 gal storage tank	1487	07/01/06	06/30/07 (renewal pending)	NMED
1,500 gal storage tank	1487	07/01/06	06/30/07 (renewal pending)	NMED
2,000 gal storage tank	1487	07/01/06	06/30/07 (renewal pending)	NMED
5,000 gal storage tank	1487	07/01/06	06/30/07 (renewal pending)	NMED
5,500 gal storage tank	1487	07/01/06	06/30/07 (renewal pending)	NMED

NOTE:

^b Permit number not issued yet.

NMED = New Mexico Environment Department

**Sandia National Laboratories/New Mexico
Active Environmental Permits as of 02/01/11 (Continued)**

Permit Type and/or Facility Name	Permit Number	Issue Date	Expiration Date	Regulatory Agency
RCRA				
Operating Permit for the Hazardous Waste Management Facility (HWMF) Modules I - III	NM5890110518-1	8/6/92	08/06/02 ^{a, c}	NMED
Operating Permit Module IV	NM5890110518-1	8/26/93	09/20/02 ^{a, c}	EPA/NMED
Operating Permit for the Thermal Treatment Facility (TTF) Modules I - III	NM5890110518-2	12/4/94	12/04/04 ^{a, c}	NMED
General Part A Permit Request Storage and/or treatment of the hazardous component of mixed waste at seven waste management Units.	NM5890110518	First submitted 8/90, Rev. 10, 03/22/07	Pending Review (No expiration date)	NMED
Class III Permit Modification for the Management of Hazardous Remediation Waste in the Corrective Action Management Unit (CAMU), Technical Area III	NM5890110518	09/25/97	09/20/02 ^c 4/19/04 ^d	NMED
Post-Closure Care Permit for Chemical Waste Landfill	NM5890110518	10/15/09 ^d	^d	NMED
Open Burn Permits				
Thermal Treatment Facility	11-0007	01/01/11	12/31/11	COA
Thunder Range	11-0006	01/01/11	12/31/11	COA
Burn Site (Wood Crib)	11-0008	01/01/11	12/31/11	COA
Burn Site (Igloo)	11-0012	01/01/11	12/31/11	COA
Terminal Ballistics Facility – Propellant Applications	11-0003	01/01/11	12/31/11	COA
Terminal Ballistics Facility – Explosive Applications	11-0004	01/01/11	12/31/11	COA
Burn Site/Thermal Test Complex	11-0010	01/01/11	12/31/11	COA
DETS Complex – 9940	11-0011	01/01/11	12/31/11	COA
Terminal Ballistics Facility – Thermite Applications	11-0005	01/01/11	12/31/11	COA
9920 Test Site	11-0009	01/01/11	12/31/11	COA

NOTE:

^a Applied for permit renewal; not yet received

^c Submitted application for renewal on 02/06/2002, undergoing NMED review. Current permit remains in effect while application is under review.

^d CAMU closure report submitted in 4/19/04, undergoing agency review.

^e Permit will not become effective until closure activities are completed. Term of permit is 10 years.

EPA = U.S. Environmental Protection Agency

NMED = New Mexico Environment Department

RCRA = Resource Conservation and Recovery Act

Sandia National Laboratories/New Mexico
Active Environmental Permits as of 02/01/11 (Continued)

Permit Type and/or Facility Name	Permit Number	Issue Date	Expiration Date	Regulatory Agency
AIR (Permits & Registrations)				
Document Disintegrator Facility	144-M1	09/28/06	f	COA
Fire Laboratory used for the Authentication of Modeling and Experiments (FLAME)	196	05/19/88	g	COA
Neutron Generator Facility(NGF)	374- M2	12/06/10	f	COA
Standby diesel generators (four)	402	05/07/96	f	COA
Radioactive & Mixed Waste Management Facility	415- M2	05/28/08	f	COA
Explosive Component Facility	547	05/21/97	g	COA
Air Quality Emission Sources	515	pending		COA
Advanced Manufacturing Processes Laboratory HAP Registration	1888	05/28/08	g	COA
Advanced Manufacturing Prototype Facility	1406-M1	05/28/08	g	COA
Microelectronics Development Laboratory	1678-M1	12/14/04	f	COA
Emergency Generator	924	5/5/98	f	COA
Processing and Environmental Technology Laboratory	925-M1	03/05/01	f	COA
Processing and Environmental Technology Laboratory	936-M1	05/28/08	g	COA
Thermal Test Complex	1712	04/09/04	f	COA
Center for Integrated Nanotechnology	1725	10/11/04	f	COA
Microsystems and Engineering Sciences	1820	09/06/06	f	COA
Weapons Integration Facility Boilers	1823	04/01/08	g	COA
TA-1 Emergency Generator	1828	09/28/06	f	COA
Heating System Modernization	1830	03/23/07	f	COA
SDF Emergency Generator	1900	01/11/08	f	COA
Miscellaneous HAP Registration	1901	05/28/08	g	COA
Building 865 HAP Registration	1902	05/28/08	g	COA
National Thermal Solar Test Facility HAP Registration	1903	05/28/08	g	COA
Sled Track HAP Registration	1904	02/01/10	g	COA
Building 869 HAP Registration	1905	05/28/08	g	COA
Strategic Defense Facility Emergency Generator	1930	04/08/09	f	COA
Building 833 Emergency Generator	2097	09/01/10	f	COA
Building 802 Source Registration	2109	10/28/10	g	COA
Building 804 Source Registration	2110	11/08/10	g	COA
Building 810 Source Registration	2111	11/08/10	g	COA
Building 823 Source Registration	2112	11/08/10	g	COA
Building 840 Source Registration	2113	11/08/10	g	COA
Building 857 Source Registration	2114	11/08/10	g	COA
Building 860 Source Registration	2115	11/08/10	g	COA
Building 890 Source Registration	2117	11/29/10	g	COA
Building 887 Source Registration	2118	11/29/10	g	COA
Building 891 Source Registration	2119	11/29/10	g	COA
Building 892 Source Registration	2120	11/29/10	g	COA
Building 894 Source Registration	2121	11/29/10	g	COA
Building 897 Source Registration	2122	11/29/10	g	COA

NOTE:

f No expiration date

g Registration, no permit required. No expiration date.

Sandia National Laboratories/New Mexico
Active Environmental Permits as of 02/01/11 (Continued)

Permit Type and/or Facility Name	Permit Number	Issue Date	Expiration Date	Regulatory Agency
AIR (Fugitive Dust Control and Demolition)				
Moving Vehicle Test	P08-0004	12/11/07	12/11/12	COA
Borrow Site Cell 1	P08-0005	12/10/07	12/10/12	COA
Thunder Range – Range 6	P08-0061	07/18/08	07/18/13	COA
Thunder Range – Range 1	P08-0062	08/07/08	08/07/13	COA
Thunder Range – Range 5	P08-0063	08/07/08	08/07/13	COA
Thunder Range – Range 2	P08-0064	08/07/08	08/07/13	COA
DETS Complex - 9940	P09-0014	07/08/09	07/08/14	COA
DETS – West	P09-0015	07/09/09	07/09/14	COA
DETS – East	P09-0016	07/09/09	07/09/14	COA
Thunder Range – Range 8	P09-0018	08/14/09	08/14/14	COA
Thunder Range – Range 7	P09-0021	12/22/09	12/22/14	COA
Thunder Range – Range 4	P09-0022	12/22/09	12/22/14	COA
DETS - South	P10-0018	11/19/10	11/19/15	COA
Ion Beam Laboratory Construction	10-204-4014	06/30/08	06/30/13	COA
Borrow Pit Cell 3	10-683-4160	05/01/09	04/28/14	COA
Mixed Waste Landfill Cover	10-683-4161	05/01/09	04/28/14	COA
Large Scale LNG Test	1009-626-3732	05/05/07	05/05/12	COA
Building 6570 Test Capabilities Revitalization Upgrades	10-720-4320	04/05/10	04/05/12	COA
Building 884 Demolition	10-210-4398	10/01/10	10/01/12	COA
ARRA Projects at the National Solar Thermal Test Facility	10-564-4405	10/20/10	10/20/15	COA
Pedestrian Pathway to TA-IV	1399-786-4439	01/03/11	01/03/12	COA

NOTE:

- ^f No expiration date
- ^g Registration, no permit required. No expiration date.