

11-in. spaces are spaced for elite type, i.e., 12 characters/inch.

Form Approved OMB No. 158-S80004



# HAZARDOUS WASTE PERMIT APPLICATION

Consolidated Permits Program

(This information is required under Section 3005 of RCRA.)

EPA I.D. NUMBER  
NM0890010515

## FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED (yr, mo, & day)	COMMENTS
		10/31/84 attached to 11/1/84 submission to NMEIS

## FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.

1. FIRST APPLICATION (place an "X" below and provide the appropriate date)

1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.)

2. NEW FACILITY (Complete item below.)

2. REVISED APPLICATION (place an "X" below and complete Item I above)

1. FACILITY HAS INTERIM STATUS

2. FACILITY HAS A RCRA PERMIT

## I. PROCESSES - CODES AND DESIGN CAPACITIES

PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided on the form (Item III-C).

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

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

PROCESS	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
<b>Storage:</b>			<b>Treatment:</b>		
CONTAINER (barrel, drum, etc.)	S01	GALLONS OR LITERS	TANK	T01	GALLONS PER DAY OR LITERS PER DAY
TANK	S02	GALLONS OR LITERS	SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS	INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS		T04	GALLONS PER DAY OR LITERS PER DAY
<b>Disposal:</b>			OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Item III-C.)		
INJECTION WELL	D79	GALLONS OR LITERS			
LANDFILL	D80	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER			
LAND APPLICATION	D81	ACRES OR HECTARES			
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY			
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS			

AMPLE FOR COMPLETING ITEM III (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

DUP

A. PRO-CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY	LINE NUMBER	A. PRO-CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY
	1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)				1. AMOUNT	2. UNIT OF MEASURE (enter code)	
S02	600	G		5				
T03	20	E		6				
S01	2300	G		7				
				8				
				9				
				10				



14831

**PROCESSES (continued)**

SPACE FOR ADDITIONAL PROCESS CODES OR INCLUDE DESIGN CAPACITY.

DESCRIBING OTHER PROCESSES (code "T04")

3 EACH PROCESS ENTERED HERE

Discrete pieces of waste HE are collected, packaged, stored and burned at the TA-16 burning ground (see attached plan/topo sheets 2 and 5). This pad is designated 388 on the attached Structure Location Plan of TA-16. Two pressure vessels (401 and 406) are used to burn HE contaminated sludge from various processing facilities located around the Laboratory. The sludge is placed on layers of sand in the vessels, the water allowed to drain from the bottom of a NPDES discharge point. After the sludge is completely dried, the residue is burned.

**DESCRIPTION OF HAZARDOUS WASTES**

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

**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.

**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.

**PROCESSES**

**PROCESS CODES:**

**For listed hazardous waste:** For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

**For non-listed hazardous wastes:** For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III 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:** Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

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

**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 other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

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

A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
			1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
K 0 5 4	900	P	T 0 3 D 8 0	
D 0 0 2	400	P	T 0 3 D 8 0	
D 0 0 1	100	P	T 0 3 D 8 0	
D 0 0 2				included with above



**DESCRIPTION OF HAZARDOUS WASTES (continued)**  
 USE THIS SPACE TO LIST ADDITIONAL PESTICIDE CODES FROM ITEM D(1) ON PAGE 3

EPA I.D. NO. (enter from page 1)

M	0	8	9	0	0	1	0	5	1	5	T/A/C
											6

**FACILITY DRAWING**

Existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

**PHOTOGRAPHS**

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).

**FACILITY GEOGRAPHIC LOCATION**

LATITUDE (degrees, minutes, & seconds)						LONGITUDE (degrees, minutes, & seconds)							
3	5	4	9	0	5	1	0	6	1	4	0	1	5

**FACILITY OWNER**

A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER						2. PHONE NO. (area code & no.)					
United States Department of Energy						5 0 5 - 6 6 7 - 5 2 8 8					
3. STREET OR P.O. BOX			4. CITY OR TOWN			5. ST.		6. ZIP CODE			
Los Alamos Area Office			Los Alamos			NM		8 7 5 4 5			

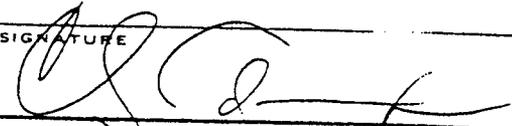
**OWNER CERTIFICATION**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type) old Valencia Alamos Area Office	B. SIGNATURE	C. DATE SIGNED
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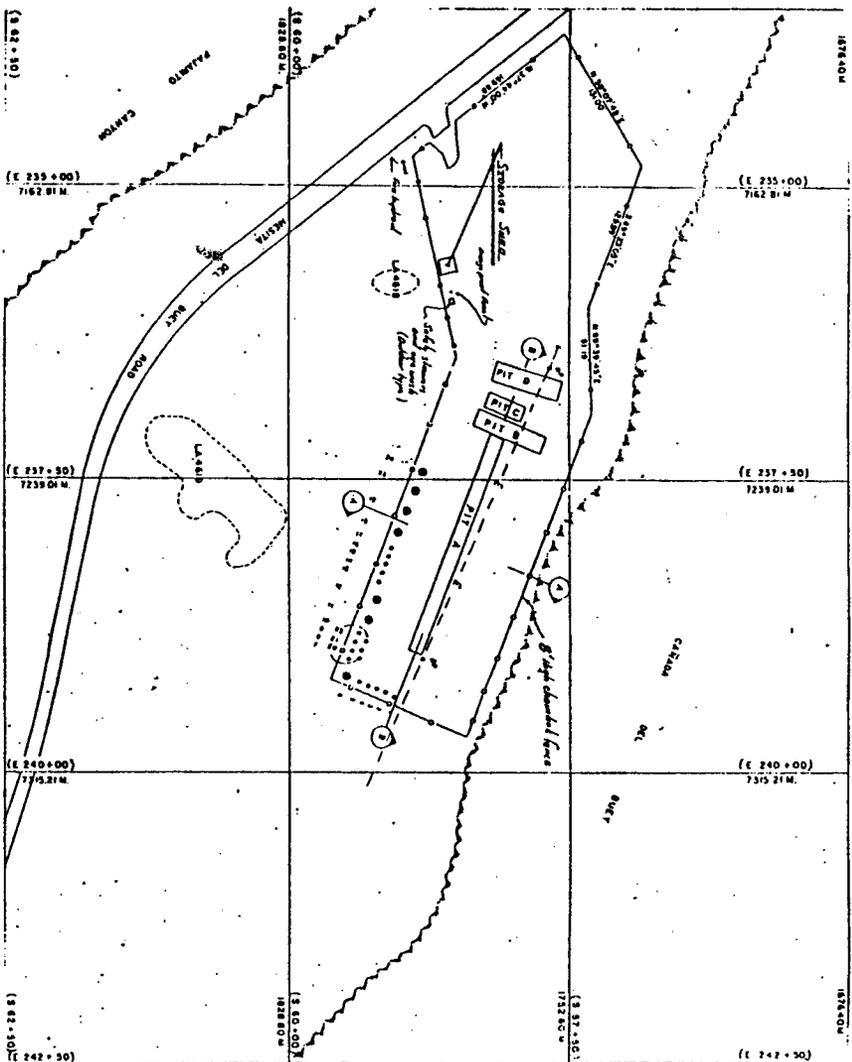
**OPERATOR CERTIFICATION**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type) Christopher S. Adams, Jr. Associate Director Technical Support	B. SIGNATURE 	C. DATE SIGNED 10-31-84
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The following drawings are attached:

- ENG-R 5277 Sheets 2 & 5 - "S" Site showing location of burn pits area - also relationship of "S" Site to rest of Lab. TA-40 & TA-14 locations where HE waste may be destroyed.
- ✓ TA-16 - Structure Location Plan - Structural designation of pressure vessels (401, 406) and burn pads (387, 388, 399)
- ENG-C-27630 - Pressure Vessel (406)
- ENG-C-25937 - pressure Vessel (401)
- ENG-C-5849 - Burn Pads (387, 388, 399)
- ENG-R 2579 - SM102, RM. 118A, LiH storage area
- ✓ LA-RV-1-13.1 and ✓ LA-RV-P-9 - Batch Waste Treatment System at TA-50-1.
- Area L Chemical Storage Facility, TA-54
- Area L Chemical Storage Facility, shed
- ENG-R-5277 Sheet 10 - TA-15 and TA-36 - firing points where HE waste may be destroyed
- ENG-R-5277 Sheet 11 - TA-39 firing points where HE waste may be destroyed
- ENG-R-5277 Sheet 5 - TA-14 and TA-40 firing points where HE waste may be destroyed



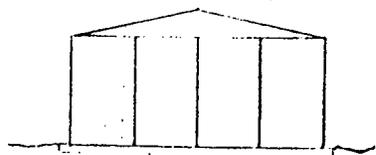
NOTE: THIS SITE IS UNDER INVESTIGATION.  
 THAT INFORMATION CONTAINS INFORMATION  
 THAT MAY BE SUBJECT TO SECTION 148  
 OF THE ATOMIC ENERGY ACT, AS AMENDED.

Fig. A.6 Area L, Chemical Storage Facility

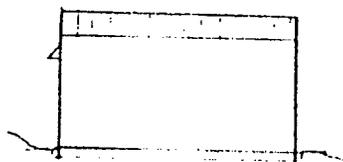
NOT FOR PUBLIC DISSEMINATION

May contain Unclassified Controlled Nuclear  
 Information subject to Section 148 of the  
 Atomic Energy Act of 1954, as amended (42  
 USC 2168). Approval by the Department of  
 Energy prior to release is required.

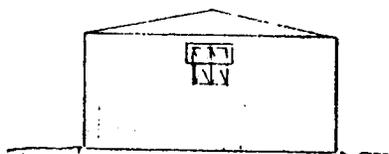
-A-7-



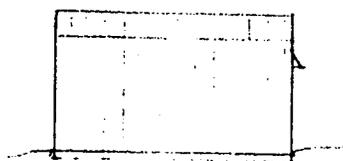
EAST ELEVATION



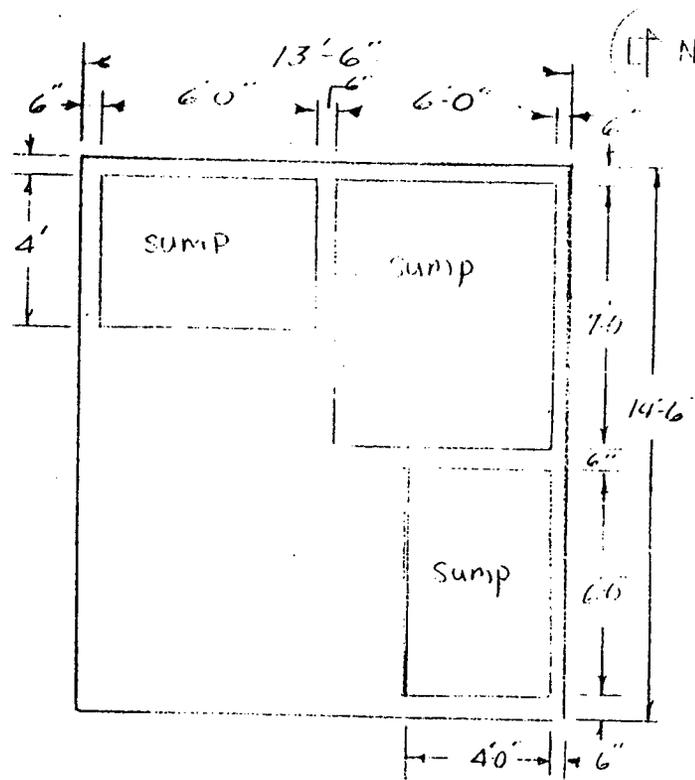
NORTH ELEVATION



WEST ELEVATION



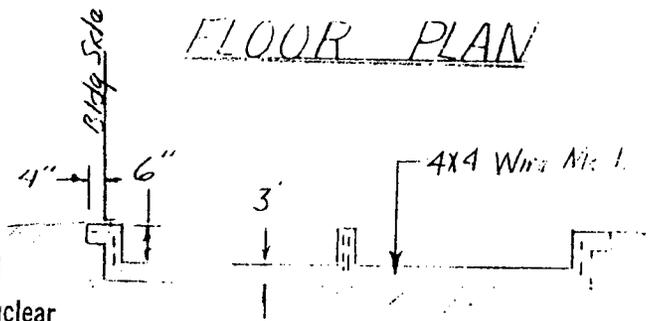
SOUTH ELEVATION



FLOOR PLAN

Notes

- 1 Building is a light duty storage building from Montgomery Ward
- 2 Building is anchored to concrete foundation



FOUNDATION AND SUMP  
DETAIL

NOT FOR PUBLIC DISSEMINATION  
 THIS INFORMATION IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE  
 THIS INFORMATION IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE  
 OF THE ATOMIC ENERGY ACT, AS AMENDED

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Fig. A.7 Area L, Chemical Storage Facility