TA-14

Hw

Department of Energy
Albuquerque Operations
Los Alamos Area Office
Los Alamos, New Mexico 87544

RECEIVED
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EID DIRECTOR'S OFFICE

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CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Michael Burkhart, Director
N. M. Environmental Improvement Division
P. O. Box 968
Santa Fe, New Mexico 87504-0968

Dear Mr. Burkhart:

Enclosed is a revised hazardous waste permit application (Parts A and B) as was discussed in a meeting between Mr. Kelley Crossman and Los Alamos National Laboratory's staff, on September 22, 1987. This revised application supersedes all previously submitted applications. The questions raised in your letter of September 9, 1987, regarding entries in the Part A (EPA Form 3510-1) are resolved in this submittal.

Changes in the Part B are indicated by a vertical line in the margin of the affected pages. These changes, as well as those made in the Part A are summarized below.

1. Modification of the Part A for increased storage/treatment.

   A. Correction of the Part A forms to reflect which wastes will be incinerated. As the result if the trial burn, it was demonstrated that a number of wastes could be incinerated that were not previously listed in the Part A of the November 1986 permit application. This revision adds those chemicals to the enclosed Part A in accordance with HWMR-3, 302.C.3.a.

   B. Modifications to Section III.C., Page 1 of 5, in accordance with HWMR-3, 302.C.3.b. EID and the Laboratory have discussed on several occasions the need for additional storage capacity over and above that currently allowed at TA-54, Area L. Efforts to comply are exacerbated by several related factors:

      - The Laboratory is continuing to make a concerted and successful effort to comply with current waste regulations. This effort has resulted in a large increase in the on-site shipment of waste to permitted storage areas (principally, Area L) and treatment locations. As an example of this increase in years past the movement of 200 drums a year was normal. Last year we moved about 2,200 drums to Area L.

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- The effort in sampling and analysis of this waste has grown commensurately with the increase in waste volume and analytical requirements. To relieve this pressure, the Laboratory has been operating its analytical capability at capacity and contracting for the overload at expensive outside laboratories. Minimum turn-around time for proper sampling, packaging, radioactive and chemical analyses, and reporting is about four weeks.

- On-site treatment is possible for some waste forms, but a large volume must be sent off-site for disposal. This means that the Laboratory must identify qualified commercial treatment, storage or disposal facilities (TSDFs) and meet their waste acceptance criteria. To ensure that a TSDF is qualified, Laboratory personnel must inspect the operation of each bidder. TSDF waste acceptance criteria usually require specialized packaging, additional sampling for their analytical needs, and accumulation of minimum volumes of similar waste forms. It is taking several months to ensure that off-site operations are conducted in accordance with Federal, State, and TSDF regulations.

- Associated with the last item, delays have lately been caused by the TSDFs reaching their individual storage and throughput capacity. As an example, shipments to our current off-site contractor for incineration have been suspended until sometime in January because of a back-log caused by a nation-wide shortage in approved incineration capacity.

The net balance between increased input to on-site storage, a minimum hold-up for analyses and packaging, and a throttled output to TSDFs has been a stored volume that continues to exceed our current permit. It is clear that this situation reflects changes in regulations that are long-term. Therefore, the current shortage will continue to be a problem until input is reduced, storage is increased, or TSDF options are expanded. The most logical option for addressing the problem is to provide adequate overall Laboratory storage (including an increase at Laboratory treatment locations). The volumes we recommend are the following:

S01 (storage in containers) has been increased from 17880 gal to 237,990 gal. Two 250 gal. storage containers (tuff tanks) were included in the original 17880 figure. These two storage containers do not exist.

Nonliquid waste storage - 198,000 gal (3600 drums). This volume was discussed at a meeting with Mr. Kelley Crossman, on September 9, 1987, and agreed to as a legitimate and reasonable expansion. This involves a dirt-bermed area that is being used to store, on pallets, 55-gal. drums of nonliquid waste. Because no liquids are involved, a secondary containment structure is not needed.

TA-50 Storage Pad - 17,000 gal. See Item 6 below.

Batch Waste Treatment Plant Storage - 1980 gal. See Item 6 below.

TA-50 Incinerator Storage Unit - 3630 gal. See Item 5 below.

S02 (Storage in tanks) has been increased from 0 gal. to 6600 gal.

Area L Treatment Tanks - 4 tanks @ 1665 gal. These tanks have been used for nonhazardous and hazardous waste treatment. While their primary purpose will continue to be for treatment, there is a need to use these tanks for storage in the event the waste cannot be removed in a timely manner after treatment or in the event bulk storage is necessary.

S04 (Storage in a surface impoundment) is the inactive surface impoundment (SI) at Area L that the Laboratory intends to close in accordance with an EID/EPA approved closure plan. This SI is not now being used nor will it be used in the future.

T02 (Treatment in a surface impoundment) is the inactive surface impoundment at the TA-16 burning ground. Same explanation as under S04 above.

T03 (Treatment in an incinerator) has been increased from 0.15 to 0.56 tons per hour. This increase of 0.41 tons per hour is explained in Item 9. below.

T04 (Other treatment) has been increased by 2534 gal. per day because of the cementation processes planned at Area L and the TA-50 Batch Waste Treatment Facility. This process is intended to assure that no free liquids are left in the waste and to immobilize hazardous constituents. This process will render the waste less hazardous and in some cases render it nonhazardous in accordance with waste minimization requirements of the Hazardous and Solid Waste Amendments of 1984.

2. The system upgrade of the TA-50 Controlled Air Incinerator. The incinerator, in addition to disposing of hazardous waste, has burned transuranic (TRU) waste as a research and development operation. In converting to a production mode for TRU disposal it was decided the facility needed to be modified to accommodate an increased radioactivity. Because this impacts hazardous waste operations, the permit application is modified to reflect these changes. The Department of Energy (DOE) is making these changes in the application and requests the EID's approval under interim status in accordance with HWMR-3, 302.C.3.b. The trial burn results have also been added to Appendix J.

3. The system upgrade of the TA-50 Batch Waste Treatment Facility (BWTF). Before the system was put into operation it was determined that it had to be modified for safety and operational purposes. For example, the electrical components had to be made explosion proof. No wastes are intended to be treated that have not previously been identified nor has the design capacity been increased or the process changed. These modifications are detailed in this submittal.

4. The addition of hazardous waste treatment processes at TA-54, Area L. Since the previous application, Area L has been receiving barium-contaminated sand resulting from the burning of waste explosives. This sand is presently being stored at Area L in 55-gal. drums. Because of the potential of the sand being contaminated with explosives, the DOE and the Laboratory do not wish to send it off-site for treatment or disposal. The application is being modified to address the treatment of this sand. The DOE also requests that this additional treatment process be granted interim status under HWMR-3, 302.C.3.c.

Treatment at the Laboratory is necessary because, due to the source of this waste (i.e. explosive activity), it cannot be sent off-site for treatment or disposal.

5. The addition of a hazardous waste storage area for the TA-50 Controlled Air Incinerator. When the incinerator is operating it will run 24 hours per day for 7 days per week. A staging area will be constructed at the Incinerator (TA-50, Building 37) so a sufficient quantity can be accumulated to facilitate orderly processing of the waste for incineration.

6. Increase storage at TA-54, Area L and the TA-50 BWTF. Storage at Area L is increased to accommodate an area for storage of non-liquid hazardous waste. An additional storage pad, originally planned for Area L, will be placed at TA-50 instead. This pad is identical to the one at Area L and will combine some of the storage capability planned at both TA-50 and Area L. In addition, small storage modules will be located near the BWTF to support this unit. Interim status is also requested for this increased storage in accordance with HWMR-3, 302.C.3.b. The additional storage at Area L and TA-50 is necessary to house the waste that cannot be adequately handled at the present Area L storage pad. Because Area L storage and treatment is intended to be phased out in the next 5-6 years, the DOE and the Laboratory feel it more appropriate to place the new storage pad, as well as future expansions/replacements, at TA-50 to consolidate these activities near other on-site treatment and storage operations.

7. Relisting of the TA-14 Burn Cage. The reference to this burn cage that burns explosive contaminated combustibles was inadvertently deleted from a previous application. This submittal re-inserts this activity into the Part B.

8. Revisions of the Part B Contingency Plan, Waste Analysis Plan and Training Plan. These three sections of the application have been updated to reflect the current status at the Laboratory and to meet additional regulatory requirements. The contingency plan has been modified to be consistent with the DOE's Spill Prevention Control and Countermeasures Plan for the Laboratory and the Laboratory's Emergency Management Office Charter. The waste analysis plan has been revised to include the Toxicity Characteristic Leaching Procedure (TCLP) as required by the land ban regulations. The training section has been revised to address different personnel needing training, as well as different job descriptions for these people (Appendix S).

9. Addition of an incinerator at TA-16 Burning Ground. This incinerator will replace the burn cage at TA-16 and burn the same type of waste, i.e. potentially explosives contaminated burnable trash. The DOE is requesting interim status for this incinerator in accordance with HWMR-3, 302.C.3.c. The Laboratory intends to operate this incinerator in compliance with HWMR-3, 206.D.8.a (2). These hazardous wastes (i.e. ignitable and reactive) as well as nonhazardous, controlled solid waste are presently being open burned. The open burning permit issued by the EID (Air Quality Bureau) will expire in May 1988 with little likelihood of renewal. Because there is the possibility of explosives unintentionally entering this waste, it cannot leave the immediate site for disposal. This unit will be much more environmentally acceptable by greatly reducing particulate emissions into the environment.

I would appreciate it if you will return or destroy the previous copies of this document to avoid any confusion as to which one is the predominate issue.

If you have any questions regarding this revised application or need further information, please call Mr. Jim Phoenix of my staff at 667-5288.

Sincerely,

Harold E. Valencia
Area Manager

Enclosures

cc w/enclosures:
A. Davis, USEPA, Dallas, TX
J. Themelis, EHD, AL

LTP:JAP:000064

Please print or type in the unshaded areas only (fill-in areas are spaced for elite type, i.e., 12 characters/inch).

Form Approved OMB No. 158-S80004

FORM 3510-3 RCRA

EPA

ENVIRONMENTAL PROTECTION AGENCY

HAZARDOUS WASTE PERMIT APPLICATION

Consolidated Permits Program

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

EPA I.D. NUMBER: F N M 0 8 9 0 0 1 0 5 1 5 (T A E 1)

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED (yr., mo., & day)	COMMENTS

II. 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.

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

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

FOR EXISTING FACILITIES, PROVIDE THE DATE *(yr., mo., & day)* OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED *(use the boxes to the left)*

YR.	MO.	DAY

☐ 2. NEW FACILITY *(Complete item below.)*

FOR NEW FACILITIES, PROVIDE THE DATE *(yr., mo., & day)* OPERATION BEGAN OR IS EXPECTED TO BEGIN

YR.	MO.	DAY

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

☒ 1. FACILITY HAS INTERIM STATUS

☐ 2. FACILITY HAS A RCRA PERMIT

III. PROCESSES – CODES AND DESIGN CAPACITIES

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

B. 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	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER *(barrel, drum, etc.)*	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
Disposal:		
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

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
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 on Item III-C.)*	T04	GALLONS PER DAY OR LITERS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G
LITERS	L
CUBIC YARDS	Y
CUBIC METERS	C
GALLONS PER DAY	U
LITERS PER DAY	V
TONS PER HOUR	D
METRIC TONS PER HOUR	W
GALLONS PER HOUR	E
LITERS PER HOUR	H
ACRE-FEET	A
HECTARE-METER	F
ACRES	B
HECTARES	Q

EXAMPLE 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.

C DUP (T A C 1)

LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT	2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY
X-1	S 0 2	600	G		5	T 0 2	500	U	
X-2	T 0 3	20	E		6	T 0 3	0.56	D	
1	S 0 1	237,990	G		7	T 0 4	NA(See IIIC.)		
2	S 0 2	6,600	G		8	T 0 4	2,534	U	
3	S 0 4	5,000	G		9				
4	T 0 1	7,680	U		10				

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III. PROCESSES *(continued)*

C. SPACE FOR ADDITIONAL PROCESS CC , O. OR DESCRIBING OTHER PROCESSES (code 4' OR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

- Discrete pieces of High Explosives (HE) waste are collected, packaged, and burned at the TA-16 burning ground. Two burn pads (388, 399) are used to burn the discrete pieces of HE while pad 287 is used to flash HE-contaminated equipment. Two pressure vessels (401, 406) are used to burn HE sludge from various processing facilities located at the Laboratory. The sludge is collected at various sumps located throughout the HE processing areas and taken directly to the pressure vessels for treatment. The sumps are regulated under NPDES permits. The sludge is placed on layers of sand in the vessels, the water allowed to drain from the bottom into an evaporation pond and the residue on the sand burned. These vessels do not contain an accumulation of liquids; therefore, they are not considered tanks. Sand from burn pads 388 and 399 have been found to be EP toxic for Barium. This sand has in the past been disposed of at Area P. Engineering drawings and location of the sites are included under item V. Design capacities are not applicable because the treatment process is performed on an as-needed basis.

- Waste sludges from the TA-54, Area L treatment tanks and the TA-50 Batch Waste Treatment facility are mixed with portland cement and/or envirostone and placed in 55-gallon drums. The cement serves to bind any fluid remaining in the sludge. The process is performed at Area L waste handling facilities and has a design capacity of 2,534 gallons per day.

IV. DESCRIPTION OF HAZARDOUS WASTES

A. **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.

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**

1. PROCESS CODES:
   For listed hazardous waste: For each **listed** hazardous waste entered in column A select the code*(s)* from the list of process codes contained in Item 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)*.

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

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

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

LINE NO.	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)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2				included with above

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Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list. Form Approved OMB No. 158-S80004

EPA I.D. NUMBER (enter from page 1)	FOR OFFICIAL USE ONLY
W N M D 8 9 0 0 1 0 5 1 5 — T/A C: 1	W DUP — T/A C: 2 DUP

IV DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	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)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	D001	100,000	P	S01 T03	
2	D002	300,000	P	S01 T01	
3	D003	7,500	P	S01 T01 T04	Reacted at TA-16 (See III C.)
4	D003	5,000	P	S01 T03 T01	Lithium Hydride only
5	D004	2,000	P	S01	
6	D005	60,000	P	S01 T01	Sand from cleanout of explosives burn pads.
7	D006	1,000	P	S01 T01	
8	D007	1,500	P	S01 T01	
9	D008	50,000	P	S01	May contain other metals (D004-D011)
10	D009	5,000	P	S01 T01	
11	D010	500*	P	S01	
12	D011	1,250	P	S01 T01	
13	D012	500*	P	S01 T03	
14	D016	1,000	P	S01 T03	
15		END OF D DESIGNATOR			
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EPA I.D. NUMBER (enter from page 1)	FOR OFFICIAL USE ONLY
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IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	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)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	F001	180,000	P	S01 S02 T03 T04	Solidified if treatment standards are met
2	F002	5,000	P	S01 S02 T03 T04	
3	F003	5,000	P	S01 S02 T03 T04	
4	F004	500*	P	S01 T03	
5	F005	5,000	P	S01 S02 T03 T04	
6	F006	500*	P	S01 T01	
7	F007	12,500	P	S01 T01	
8	F008	1,000	P	S01 T01	
9	F009	6,000	P	S01 T01	
10	F027	700	P	S01 T03	
11	F028	700	P	S01 T03	
12		END OF F DESIGNATOR			
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EPA I.D. NUMBER (enter from page 1)	FOR OFFICIAL USE ONLY
W N M 0 8 9 0 0 1 0 5 1 5 T/A C 1	W DUP T/A C 2 DUP

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	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)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	K044	50,000	P	S01 T04	Reacted at TA-16 (See III C.)
2	K047	500*	P	S01 T04	
3		END OF K DESIGNATOR			
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NOTE: Photocopy this page before completing if more than 26 wastes to list.

Form Approved OMB No. 158-S80004

EPA I.D. NUMBER (enter from page 1)	FOR OFFICIAL USE ONLY
W N M 0 8 9 0 0 1 0 5 1 5 — T/A: C: 1	W — DUP — T/A: C: 2 — DUP

IV DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	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)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D.1.)
1	P001	500*	P	S01 T03	
2	P002	500*	P	S01 T03	
3	P003	500*	P	S01 T03	
4	P004	500*	P	S01 T03	
5	P005	500*	P	S01 T03	
6	P006	500*	P	S01 T04	
7	P007	500*	P	S01 T03	
8	P008	500*	P	S01 T03	
9	P009	500*	P	S01 T04	
10	P010	500*	P	S01	
11	P011	500*	P	S01	
12	P012	500*	P	S01	
13	P013	500*	P	S01 T01	
14	P014	500*	P	S01 T03	
15	P015	500*	P	S01	
16	P016	500*	P	S01 T03	
17	P017	500*	P	S01 T03	
18	P018	500*	P	S01 T03	
19	P020	500*	P	S01 T03	
20	P021	500*	P	S01 T01	
21	P022	500*	P	S01 T04	
22	P023	500*	P	S01 T03	
23	P024	500*	P	S01 T03	
24	P026	500*	P	S01 T03	
25	P027	500*	P	S01 T03	
26	P028	500*	P	S01 T03	

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NOTE: Photocopy this page before completing if more than 26 wastes to list.

Form Approved OMB No. 158-S80004

EPA I.D. NUMBER (enter from page 1)	FOR OFFICIAL USE ONLY
W N M 0 8 9 0 0 1 0 5 1 5 — C: 1	W DUP — C: 2 — DUP

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	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)				D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D.1.)
1	P029	500*	P	S01	T01			
2	P030	500*	P	S01	T01			
3	P031	500*	P	S01	T04	T03		
4	P033	500*	P	S01	T04	T03		
5	P034	500*	P	S01	T03			
6	P036	500*	P	S01	T03			
7	P037	500*	P	S01	T03			
8	P038	500*	P	S01	T03			
9	P039	500*	P	S01	T03			
10	P040	500*	P	S01	T03			
11	P041	500*	P	S01	T03			
12	P042	500*	P	S01	T03			
13	P043	500*	P	S01				
14	P044	500*	P	S01	T03			
15	P045	500*	P	S01	T03			
16	P046	500*	P	S01	T03			
17	P047	500*	P	S01	T03			
18	P048	500*	P	S01	T03			
19	P049	500*	P	S01	T03			
20	P050	500*	P	S01	T03			
21	P051	500*	P	S01	T03			
22	P054	500*	P	S01	T01	T04		
23	P056	500*	P	S01				
24	P057	500*	P	S01	T03			
25	P058	500*	P	S01				
26	P059	500*	P	S01	T03			

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

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EPA I.D. NUMBER (enter from page 1)	FOR OFFICIAL USE ONLY
W N M 0 8 9 0 0 1 0 5 1 5 — T/A: 1 — C: 1	W DUP — T/A: 2 — C: DUP

IV DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	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)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D.1.)
1	P060	500*	P	S01 T03	
2	P062	500*	P	S01 T03	
3	P063	500*	P	S01 T03 T04	
4	P064	500*	P	S01 T03 T04	
5	P065	500*	P	S01 T04	
6	P066	500*	P	S01 T03	
7	P067	500*	P	S01 T03	
8	P068	500*	P	S01 T03	
9	P069	500*	P	S01 T03 T04	
10	P070	500*	P	S01 T03	
11	P071	500*	P	S01 T03 T04	
12	P072	500*	P	S01 T03	
13	P073	500*	P	S01 T01 T04	
14	P074	500*	P	S01 T01	
15	P075	500*	P	S01 T03	
16	P076	500*	P	S01 T01 T04	
17	P077	500*	P	S01 T03 T04	
18	P078	500*	P	S01 T01	
19	P081	500*	P	S01 T04	
20	P082	500*	P	S01 T03	
21	P084	500*	P	S01 T03	
22	P085	500*	P	S01 T03	
23	P087	500*	P	S01	
24	P088	500*	P	S01 T03	
25	P089	500*	P	S01 T03	
26	P092	500*	P	S01	

CONTINUE ON REVERSE

Continued from page 2.
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EPA I.D. NUMBER (enter from page 1)	FOR OFFICIAL USE ONLY
W N M 0 8 9 0 0 1 0 5 1 5 — T/A: 1 — C:	W DUP — T/A: 2 — C: DUP

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	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)				D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	P093	500*	P	S01	T03			
2	P094	500*	P	S01	T03			
3	P095	500*	P	S01	T03			
4	P096	500*	P	S01	T03	T04		
5	P097	500*	P	S01	T03			
6	P098	500*	P	S01	T01			
7	P099	500*	P	S01	T01			
8	P101	500*	P	S01	T03			
9	P102	500*	P	S01	T03			
10	P103	500*	P	S01	T03			
11	P104	500*	P	S01	T01			
12	P105	500*	P	S01				
13	P106	500*	P	S01	T01			
14	P107	500*	P	S01	T04			
15	P108	500*	P	S01	T03			
16	P109	500*	P	S01	T03			
17	P110	500*	P	S01	T03			
18	P111	500*	P	S01	T03			
19	P112	500*	P	S01	T03	T04		
20	P113	500*	P	S01				
21	P114	500*	P	S01				
22	P115	500*	P	S01				
23	P116	500*	P	S01	T03			
24	P118	500*	P	S01	T03			
25	P119	500*	P	S01				
26	P120	500*	P	S01				

CONTINUE ON REVERSE

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EPA I.D. NUMBER (enter from page 1)	FOR OFFICIAL USE ONLY
W N M 0 8 9 0 0 1 0 5 1 5 — T/A: 1	W DUP — T/A: 2 — DUP

IV DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	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)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D.1.)
1	P 1 2 1	500*	P	S 0 1 T 0 1	
2	P 1 2 2	500*	P	S 0 1 T 0 4	
3	P 1 2 3	500*	P	S 0 1 T 0 3	
4		END OF P DESIGNATOR			
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
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26					

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Form Approved OMB No. 158-S80004

EPA I.D. NUMBER (enter from page 1)		FOR OFFICIAL USE ONLY	
W N M 0 8 9 0 0 1 0 5 1 5	T/A C 1	W DUP	T/A C 2 DUP

IV DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	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.)
1	U001	500*	P	S01	T03			
2	U002	1000	P	S01	T03			
3	U003	500*	P	S01	T03			
4	U004	500*	P	S01	T03			
5	U005	500*	P	S01				
6	U006	500*	P	S01	T04			
7	U007	500*	P	S01	T03			
8	U008	500*	P	S01	T03	T04		
9	U009	500*	P	S01	T03			
10	U010	500*	P	S01	T03			
11	U011	500*	P	S01	T03			
12	U012	500*	P	S01	T03			
13	U014	500*	P	S01	T03			
14	U015	500*	P	S01	T03			
15	U016	500*	P	S01	T03			
16	U017	500*	P	S01	T03			
17	U018	500*	P	S01	T03			
18	U019	500*	P	S01	T03			
19	U020	500*	P	S01	T03	T04		
20	U021	500*	P	S01	T03			
21	U022	500*	P	S01	T03			
22	U023	500*	P	S01	T03	T04		
23	U024	500*	P	S01	T03			
24	U025	500*	P	S01	T03			
25	U026	500*	P	S01	T03			
26	U027	500*	P	S01	T03			

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EPA I.D. NUMBER (enter from page 1)	FOR OFFICIAL USE ONLY
W N M 0 8 9 0 0 1 0 5 1 5 — T/A: 1 — C:	W — DUP — T/A: 2 — C: — DUP

IV DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	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)				D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U028	500*	P	S01	T03			
2	U029	500*	P	S01	T03			
3	U030	500*	P	S01	T03			
4	U031	500*	P	S01	T03			
5	U032	500*	P	S01	T01			
6	U033	500*	P	S01	T04			
7	U034	500*	P	S01	T03			
8	U035	500*	P	S01	T03			
9	U036	500*	P	S01	T03			
10	U037	500*	P	S01	T03			
11	U038	500*	P	S01	T03			
12	U039	500*	P	S01	T03			
13	U041	500*	P	S01	T03			
14	U042	500*	P	S01	T03	T04		
15	U043	500*	P	S01	T03	T04		
16	U044	1000	P	S01	T03			
17	U045	500*	P	S01	T03	T04		
18	U046	500*	P	S01	T03			
19	U047	500*	P	S01	T03			
20	U048	500*	P	S01	T03			
21	U049	500*	P	S01	T03			
22	U050	500*	P	S01	T03			
23	U051	500*	P	S01	T03			
24	U052	500*	P	S01	T03			
25	U053	500*	P	S01	T03			
26	U055	500*	P	S01	T03			

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EPA I.D. NUMBER (enter from page 1)	FOR OFFICIAL USE ONLY
W N M 0 8 9 0 0 1 0 5 1 5 — T/A: 1 — C: 1	W — DUP — T/A: 2 — C: DUP

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	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.)
1	U056	500*	P	S01	T03			
2	U057	500*	P	S01	T03			
3	U058	500*	P	S01	T03			
4	U059	500*	P	S01	T03			
5	U060	500*	P	S01	T03			
6	U061	500*	P	S01	T03			
7	U062	500*	P	S01	T03			
8	U063	500*	P	S01	T03			
9	U064	500*	P	S01	T03			
10	U066	500*	P	S01	T03			
11	U067	500*	P	S01	T03			
12	U068	500*	P	S01	T03			
13	U069	500*	P	S01	T03			
14	U070	500*	P	S01	T03			
15	U071	500*	P	S01	T03			
16	U072	500*	P	S01	T03			
17	U073	500*	P	S01	T03			
18	U074	500*	P	S01	T03			
19	U075	500*	P	S01				
20	U076	500*	P	S01	T03			
21	U077	500*	P	S01	T03			
22	U078	500*	P	S01	T03			
23	U079	500*	P	S01	T03			
24	U080	500*	P	S01	T03			
25	U081	500*	P	S01	T03			
26	U082	500*	P	S01	T03			

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EPA I.D. NUMBER (enter from page 1)		FOR OFFICIAL USE ONLY	
W N M 0 8 9 0 0 1 0 5 1 5	T/A C 1	W DUP	T/A C 2 DUP

IV DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	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)				D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U 0 8 3	500*	P	S 0 1	T 0 3			
2	U 0 8 4	500*	P	S 0 1	T 0 3			
3	U 0 8 5	500*	P	S 0 1	T 0 3			
4	U 0 8 6	500*	P	S 0 1	T 0 3			
5	U 0 8 7	500*	P	S 0 1	T 0 3			
6	U 0 8 8	500*	P	S 0 1	T 0 3			
7	U 0 8 9	500*	P	S 0 1	T 0 3			
8	U 0 9 0	500*	P	S 0 1	T 0 3			
9	U 0 9 1	500*	P	S 0 1	T 0 3			
10	U 0 9 2	500*	P	S 0 1	T 0 4			
11	U 0 9 3	500*	P	S 0 1	T 0 3			
12	U 0 9 4	500*	P	S 0 1	T 0 3			
13	U 0 9 5	500*	P	S 0 1	T 0 3			
14	U 0 9 6	500*	P	S 0 1	T 0 3			
15	U 0 9 7	500*	P	S 0 1	T 0 3			
16	U 0 9 8	500*	P	S 0 1	T 0 3			
17	U 0 9 9	500*	P	S 0 1	T 0 3			
18	U 1 0 1	500*	P	S 0 1	T 0 3			
19	U 1 0 2	500*	P	S 0 1	T 0 3			
20	U 1 0 3	500*	P	S 0 1	T 0 3			
21	U 1 0 5	500*	P	S 0 1	T 0 3			
22	U 1 0 6	500*	P	S 0 1	T 0 3			
23	U 1 0 7	500*	P	S 0 1	T 0 3			
24	U 1 0 8	500*	P	S 0 1	T 0 3			
25	U 1 0 9	500*	P	S 0 1	T 0 3			
26	U 1 1 0	500*	P	S 0 1	T 0 3			

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EPA I.D. NUMBER (enter from page 1)	FOR OFFICIAL USE ONLY
W N M 0 8 9 0 0 1 0 5 1 5 — C: 1	W DUP — C: 2 — DUP

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	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)				D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U 1 1 1	500*	P	S 0 1	T 0 3			
2	U 1 1 2	500*	P	S 0 1	T 0 3	T 0 4		
3	U 1 1 3	500*	P	S 0 1	T 0 3	T 0 4		
4	U 1 1 4	500*	P	S 0 1	T 0 3			
5	U 1 1 5	500*	P	S 0 1	T 0 3	T 0 4		
6	U 1 1 6	500*	P	S 0 1	T 0 3			
7	U 1 1 7	500*	P	S 0 1	T 0 3	T 0 4		
8	U 1 1 8	500*	P	S 0 1	T 0 3	T 0 4		
9	U 1 1 9	500*	P	S 0 1	T 0 3			
10	U 1 2 0	500*	P	S 0 1	T 0 3			
11	U 1 2 1	500*	P	S 0 1				
12	U 1 2 2	500*	P	S 0 1	T 0 3			
13	U 1 2 3	500*	P	S 0 1				
14	U 1 2 4	500*	P	S 0 1	T 0 3			
15	U 1 2 5	500*	P	S 0 1	T 0 3			
16	U 1 2 6	500*	P	S 0 1	T 0 3			
17	U 1 2 7	500*	P	S 0 1	T 0 3			
18	U 1 2 8	500*	P	S 0 1	T 0 3			
19	U 1 2 9	500*	P	S 0 1	T 0 3			
20	U 1 3 0	500*	P	S 0 1	T 0 3			
21	U 1 3 1	500*	P	S 0 1	T 0 3			
22	U 1 3 2	500*	P	S 0 1	T 0 3			
23	U 1 3 3	500*	P	S 0 1	T 0 3	T 0 4		
24	U 1 3 4	10,000	P	S 0 1	T 0 1			
25	U 1 3 5	500*	P	S 0 1	T 0 4	T 0 3		
26	U 1 3 6	500*	P	S 0 1				

CONTINUE ON REVERSE

(enter "A", "B", "C", etc. behind the "3" to identify photocopied pages)

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EPA I.D. NUMBER (enter from page 1)	FOR OFFICIAL USE ONLY
W N M 0 8 9 0 0 1 0 5 1 5 — C: 1	W DUP — C: 2 — DUP

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	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)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D.1.)
1	U137	500*	P	S01 T03	
2	U138	500*	P	S01 T03	
3	U139	500*	P	S01 T03	
4	U140	500*	P	S01 T03	
5	U141	500*	P	S01 T03	
6	U142	500*	P	S01 T03	
7	U143	500*	P	S01 T03	
8	U144	500*	P	S01	
9	U145	500*	P	S01	
10	U146	500*	P	S01	
11	U147	500*	P	S01 T03	
12	U148	500*	P	S01 T03	
13	U149	500*	P	S01 T03	
14	U150	500*	P	S01 T03	
15	U151	500*	P	S01	
16	U152	500*	P	S01 T03	
17	U153	500*	P	S01 T03	
18	U154	500*	P	S01 T03	
19	U155	500*	P	S01 T03	
20	U156	500*	P	S01 T03	
21	U157	1000	P	S01 T03	
22	U158	500*	P	S01 T03	
23	U159	1000	P	S01 T03	
24	U160	500*	P	S01 T03 T04	
25	U161	500*	P	S01 T03	
26	U162	500*	P	S01 T03	

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EPA I.D. NUMBER (enter from page 1)	FOR OFFICIAL USE ONLY
W N M 0 8 9 0 0 1 0 5 1 5 — T/A: C: 1	W DUP — T/A: C: 2 DUP

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	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)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U163	500*	P	S01 T03	
2	U164	500*	P	S01 T03	
3	U165	500*	P	S01 T03	
4	U166	500*	P	S01 T03	
5	U167	500*	P	S01 T03	
6	U168	500*	P	S01 T03	
7	U169	500*	P	S01 T03	
8	U170	500*	P	S01 T03	
9	U171	500*	P	S01 T03	
10	U172	500*	P	S01 T03	
11	U173	500*	P	S01 T03	
12	U174	500*	P	S01 T03	
13	U176	500*	P	S01 T03	
14	U177	500*	P	S01 T03	
15	U178	500*	P	S01 T03	
16	U179	500*	P	S01 T03	
17	U180	500*	P	S01 T03	
18	U181	500*	P	S01 T93	
19	U182	500*	P	S01 T03	
20	U183	500*	P	S01 T03	
21	U184	500*	P	S01 T03	
22	U185	500*	P	S01 T03	
23	U186	500*	P	S01 T03	
24	U187	500*	P	S01 T03	
25	U188	500*	P	S01 T03	
26	U189	500*	P	S01 T04 T03	

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EPA I.D. NUMBER (enter from page 1)	FOR OFFICIAL USE ONLY
W N M 0 8 9 0 0 1 0 5 1 5 — T/A: 1	W DUP — T/A: 2 — DUP

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	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)				D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U190	500*	P	S01	T03			
2	U191	500*	P	S01	T03			
3	U192	500*	P	S01	T03			
4	U193	500*	P	S01	T03			
5	U194	500*	P	S01	T03			
6	U196	500*	P	S01	T03			
7	U197	500*	P	S01	T03			
8	U200	500*	P	S01	T03			
9	U201	500*	P	S01	T03			
10	U202	500*	P	S01	T03			
11	U203	500*	P	S01	T03			
12	U204	500*	P	S01				
13	U205	500*	P	S01	T04			
14	U206	500*	P	S01	T03			
15	U207	500*	P	S01	T03			
16	U208	500*	P	S01	T03			
17	U209	500*	P	S01	T03			
18	U210	500*	P	S01	T03			
19	U211	500*	P	S01	T03			
20	U212	500*	P	S01	T03			
21	U213	500*	P	S01	T03	T04		
22	U214	500*	P	S01	T03			
23	U215	500*	P	S01				
24	U216	500*	P	S01				
25	U217	500*	P	S01	T04			
26	U218	500*	P	S01	T03			

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EPA I.D. NUMBER (enter from page 1)		FOR OFFICIAL USE ONLY	
W N M 0 8 9 0 0 1 0 5 1 5	T/A C 1	W DUP	T/A C 2 DUP

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	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)				D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U219	500*	P	S01	T03			
2	U220	1000	P	S01	T03			
3	U221	500*	P	S01	T03			
4	U222	500*	P	S01	T03			
5	U223	1000	P	S01	T03			
6	U225	500*	P	S01				
7	U226	1500	P	S01	T03			
8	U227	500*	P	S01	T03			
9	U228	2000	P	S01	T03			
10	U230	500*	P	S01	T03			
11	U231	500*	P	S01	T03			
12	U232	500*	P	S01	T03			
13	U233	500*	P	S01	T03			
14	U234	500*	P	S01	T04			
15	U235	500*	P	S01	T03			
16	U236	500*	P	S01	T03			
17	U237	500*	P	S01	T03			
18	U238	500*	P	S01	T03			
19	U239	1000	P	S01	T03			
20	U240	500*	P	S01	T03			
21	U242	500*	P	S01	T03			
22	U243	500*	P	S01	T03			
23	U244	500*	P	S01	T03			
24	U246	500*	P	S01				
25	U247	500*	P	S01	T03			
26		END OF U DESIGNATOR						

Continued from the front.

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.

*All entries with an asterisk in column IV B on page 3 are generated in small volumes only. If a new process or activity will cause more than the stated volume to be stored, treated, or disposed, a revised Part A will be submitted.

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

	N	M	0	8	9	0	0	1	0	5	1	5	6

V. FACILITY DRAWING

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

VI. 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).*

VII. FACILITY GEOGRAPHIC LOCATION

LATITUDE (degrees, minutes, & seconds)	LONGITUDE (degrees, minutes, & seconds)
35 49 051	106 14 015

VIII. 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	505-667-5105

3. STREET OR P.O. BOX	4. CITY OR TOWN	5. ST.	6. ZIP CODE
Los Alamos Area Office	Los Alamos	NM	87545

IX. 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 submitted information 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)	B. SIGNATURE	C. DATE SIGNED
Harold Valencia Los Alamos Area Office	[signature]	11-23-87

X. 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 submitted information 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)	B. SIGNATURE	C. DATE SIGNED
Siegfried S. Hecker Director	[signature]	11/18/87

CONTINUE ON PAGE 5