

<b>FORM 3</b>	<b>DANGEROUS WASTE PERMIT APPLICATION</b>	<b>I. EPA/State I.D. No.</b>											
		W	A	7	8	9	0	0	0	8	9	6	7

<b>FOR OFFICIAL USE ONLY</b>												
Application Approved	Date Received (month/ day / year)	Comments										
		Approved 07/24/02										

**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/STATE I.D. Number, or If this is a revised application, enter your facility's EPA/STATE I.D. Number in Section 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.)

MO	DAY	YEAR
03	22	1943

\*For existing facilities, provide the date (mo/day/yr) operation began or the date construction commenced. (use the boxes to the left)

\*The date construction of the Hanford Facility commenced

**2. New Facility** (Complete item below.)

MO	DAY	YEAR

For new facilities, provide the date (mo/day/yr) operation began or is expected to begin

**B. Revised Application** (Place an "X" below and complete Section I above)

**1. Facility has an Interim Status Permit**

**2. Facility has a Final 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 codes(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 (Section III-C).

**B. Process Design Capacity** – For each code entered in column A enter the capacity of the process.

- Amount – Enter the amount.
- 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
<b>STORAGE:</b>		
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
	S06	Cubic yards or cubic meters*
<b>DISPOSAL:</b>		
Injection well	D80	Gallons or liters
Landfill	D81	Acre-feet (the volume that would cover one acre to a Depth of one foot) or hectare-meter
Land application	D82	Acres or hectares
Ocean disposal	D83	Gallons per day or liters per day
Surface impoundment	D84	Gallons or liters
<b>TREATMENT:</b>		
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; Section III-C.)	T04	Gallons per day or liters per day

Unit of Measure	Unit of Measure Code	Unit of Measure	Unit of Measure Code	Unit of Measure	Unit of Measure Code
Gallons .....	G	Liters Per Day .....	V	Acre-Feet .....	A
Liters .....	L	Tons Per Hour .....	D	Hectare-Meter .....	F
Cubic Yards.....	Y	Metric Tons Per Hour .....	W	Acres .....	B
Cubic Meters.....	C	Gallons Per Hour .....	E	Hectares .....	Q
Gallons Per Day .....	U	Liters Per Hour .....	H		

**III. PROCESS – CODES AND DESIGN CAPACITIES** (continued)

**Example for Completing Section 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.

Line No.	A. Process Code <i>(from list above)</i>			B. Process Design Capacity			For Official Use Only			
				1. Amount <i>(Specify)</i>	2. Unit of Measure <i>(enter code)</i>					
X-1	S	0	2	600		G				
X-2	T	0	3	20		E				
1	D	8	1	5		A				
2										
3										
4										
5										
6										
7										
8										
9										
10										

**C. Space for additional process codes or for describing other process (code "T04"). For each process entered here include design capacity.**

D81

The Nonradioactive Dangerous Waste Landfill (NRDWL) is located approximately 3.5 miles southeast of the 200 East Area. The NRDWL was used for disposal of nonradioactive dangerous waste from January 1975 through May 1985. The NRDWL provided disposal of dangerous waste generated from process operations, research and development laboratories, maintenance activities, and transportation functions located throughout the Hanford Site. The NRDWL is a 10 acre land disposal unit that consists of 19 unlined trenches (trenches 18N, 24, and 32 were not used for disposal) approximately 400 feet long, 16 feet wide at the base, and 15 feet deep. Six trenches (trenches 19N, 26, 28, 31, 33, and 34) were used for disposal of dangerous waste. Asbestos was disposed in nine trenches (trenches 2N, 20, 21, 22, 23, 25, 27, 29, and 30). Nonhazardous waste was disposed in trench 1N. The dangerous waste trenches of NRDWL have a total design capacity of 5 acre-feet.

**IV. DESCRIPTION OF DANGEROUS WASTES**

**A. Dangerous Waste Number** – Enter the digit number from Chapter 173-303 WAC for each listed dangerous waste you will handle. If you handle dangerous wastes which are not listed in Chapter 173-303 WAC, enter the four-digit number(s) that describes the characteristics and/or the toxic contaminants of those dangerous 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 dangerous waste: For each listed dangerous waste entered in column A select the code(s) from the list of process codes contained in Section III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed dangerous wastes: For each characteristic or toxic contaminant entered in Column A, select the code(s) from the list of process codes contained in Section III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed dangerous 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: DANGEROUS WASTES DESCRIBED BY MORE THAN ONE DANGEROUS WASTE NUMBER** - Dangerous wastes that can be described by more than one Waste Number shall be described on the form as follows:

1. Select one of the Dangerous 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 Dangerous 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 Dangerous Waste Number that can be used to describe the dangerous waste.

Example for completing Section 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.

Line No.	A. Dangerous Waste No. <i>(enter code)</i>				B. Estimated Annual Quantity of Waste	C. Unit of Measure <i>(enter code)</i>			D. Processes					
									1. Process Codes <i>(enter)</i>			2. Process Description <i>(if a code is not entered in D(1))</i>		
X-1	K	0	5	4	900		P		T03	D80				
X-2	D	0	0	2	400		P		T03	D80				
X-3	D	0	0	1	100		P		T03	D80				
X-4	D	0	0	2					T03	D80			<i>Included with above</i>	

Photocopy this page before completing if you have more than 26 wastes to list.

I.D. Number (enter from page 1)												
W	A	7	8	9	0	0	0	8	9	6	7	

**IV. DESCRIPTION OF DANGEROUS WASTES (continued)**

Line No.	A. Dangerous 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	D	0	0	1	24,345		K		D81				Disposal/Landfill
2	D	0	0	2	13,433		K		D81				Disposal/Landfill
3	D	0	0	3	17,630		K		D81				Disposal/Landfill
4	D	0	0	4	1.5		K		D81				Disposal/Landfill
5	D	0	0	5	13		K		D81				Disposal/Landfill
6	D	0	0	6	933		K		D81				Disposal/Landfill
7	D	0	0	7	172		K		D81				Disposal/Landfill
8	D	0	0	8	120		K		D81				Disposal/Landfill
9	D	0	0	9	102		K		D81				Disposal/Landfill
10	D	0	1	0	30		K		D81				Disposal/Landfill
11	D	0	1	1	1		K		D81				Disposal/Landfill
12	D	0	1	8	305		K		D81				Disposal/Landfill
13	D	0	1	9	94		K		D81				Disposal/Landfill
14	D	0	2	2	31		K		D81				Disposal/Landfill
15	D	0	3	9	205		K		D81				Disposal/Landfill
16	D	0	4	0	631		K		D81				Disposal/Landfill
17	F	0	0	1	960		K		D81				Disposal/Landfill
18	F	0	0	2	86		K		D81				Disposal/Landfill
19	F	0	0	3	92		K		D81				Disposal/Landfill
20	F	0	0	4	8		K		D81				Disposal/Landfill
21	F	0	0	5	3,622		K		D81				Disposal/Landfill
22	U	0	0	1	4		K		D81				Disposal/Landfill
23	U	0	0	2	25		K		D81				Disposal/Landfill
24	U	0	0	3	5		K		D81				Disposal/Landfill
25	U	0	0	9	1		K		D81				Disposal/Landfill
26	U	0	1	2	11		K		D81				Disposal/Landfill
27	U	0	1	9	362		K		D81				Disposal/Landfill
28	U	0	2	2	180		K		D81				Disposal/Landfill
29	U	0	3	1	6		K		D81				Disposal/Landfill
30	U	0	4	4	45		K		D81				Disposal/Landfill
31	U	0	5	1	20		K		D81				Disposal/Landfill
32	U	0	5	3	1		K		D81				Disposal/Landfill
33	U	0	5	6	13		K		D81				Disposal/Landfill
34	U	0	6	9	3		K		D81				Disposal/Landfill
35	U	0	7	0	2		K		D81				Disposal/Landfill
36	U	0	7	7	10		K		D81				Disposal/Landfill
37	U	0	8	0	50		K		D81				Disposal/Landfill
38	U	0	9	2	6,800		K		D81				Disposal/Landfill
39	U	0	9	3	6		K		D81				Disposal/Landfill
40	U	1	0	7	120		K		D81				Disposal/Landfill
41	U	1	0	8	80		K		D81				Disposal/Landfill
42	U	1	1	7	15		K		D81				Disposal/Landfill

Photocopy this page before completing if you have more than 26 wastes to list.

I.D. Number (enter from page 1)											
W	A	7	8	9	0	0	0	8	9	6	7

**IV. DESCRIPTION OF DANGEROUS WASTES (continued)**

Line No.	A. Dangerous 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))	
43	U	1	2	2	31		K		D81			Disposal/Landfill
44	U	1	2	3	82		K		D81			Disposal/Landfill
45	U	1	3	3	315		K		D81			Disposal/Landfill
46	U	1	3	4	39		K		D81			Disposal/Landfill
47	U	1	4	2	1		K		D81			Disposal/Landfill
48	U	1	4	4	9		K		D81			Disposal/Landfill
49	U	1	5	1	156		K		D81			Disposal/Landfill
50	U	1	5	4	21		K		D81			Disposal/Landfill
51	U	1	5	9	203		K		D81			Disposal/Landfill
52	U	1	6	1	10		K		D81			Disposal/Landfill
53	U	1	6	9	8		K		D81			Disposal/Landfill
54	U	1	8	8	3		K		D81			Disposal/Landfill
55	U	1	9	6	12		K		D81			Disposal/Landfill
56	U	2	0	1	1		K		D81			Disposal/Landfill
57	U	2	1	0	205		K		D81			Disposal/Landfill
58	U	2	1	1	94		K		D81			Disposal/Landfill
59	U	2	1	3	157		K		D81			Disposal/Landfill
60	U	2	1	9	13		K		D81			Disposal/Landfill
61	U	2	2	0	3,404		K		D81			Disposal/Landfill
62	U	2	2	6	1		K		D81			Disposal/Landfill
63	U	2	2	8	632		K		D81			Disposal/Landfill
64	U	2	3	9	14		K		D81			Disposal/Landfill
65	P	0	1	0	1		K		D81			Disposal/Landfill
66	P	0	1	2	1		K		D81			Disposal/Landfill
67	P	0	2	2	2		K		D81			Disposal/Landfill
68	P	0	3	0	1		K		D81			Disposal/Landfill
69	P	0	4	8	5		K		D81			Disposal/Landfill
70	P	0	9	6	11		K		D81			Disposal/Landfill
71	P	0	9	8	3		K		D81			Disposal/Landfill
72	P	1	0	6	2		K		D81			Disposal/Landfill
73	W	T	0	1	29,770		K		D81			Disposal/Landfill
74	W	T	0	2	18,425		K		D81			Disposal/Landfill
75	W	C	0	2	9,060		K		D81			Disposal/Landfill
76	W	P	0	1	1,242		K		D81			Disposal/Landfill
77	W	P	0	2	55		K		D81			Disposal/Landfill
78	W	P	0	3	7		K		D81			Disposal/Landfill
79												
80												
81												
82												
83												
84												

**IV. DESCRIPTION OF DANGEROUS WASTE (continued)**

**E. Use this space to list additional process codes from Section D(1) on page 3.**

The NRDWL was used from January 1975 through May 1985 for the disposal of dangerous waste generated from various Hanford Site operations. The NRDWL ceased receiving dangerous waste for disposal in May 1985. This waste consists of listed waste, waste from nonspecific sources, characteristic waste, and state-only waste.

The quantities of waste identified in Description of Dangerous Waste, item IV.B., represent the estimated total quantity of waste disposed in the NRDWL, rather than an annual estimate.

**V. FACILITY DRAWING** Refer to attached drawing(s).

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** Refer to attached photograph(s).

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**

This information is provided on the attached drawings and photos.

LATITUDE (degrees, minutes, & seconds)				LONGITUDE (degrees, minutes, & seconds)			

**VIII. FACILITY OWNER**

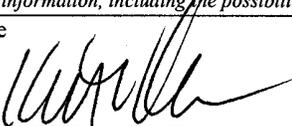
A. If the facility owner is also the facility operator as listed in Section VII on Form 1, "General Information," place an "X" in the box to the left and skip to Section IX below.

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

1. Name of Facility's Legal Owner			2. Phone Number (area code & no.)	
3. Street or P.O. Box	4. City or Town	5. St.	6. Zip Code	

**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.*

Name (print or type) Keith A. Klein, Manager U.S. Department of Energy Richland Operations Office	Signature 	Date Signed 7/1/02
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**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.*

Name (Print Or Type) See attachment	Signature	Date Signed
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**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.*



\_\_\_\_\_  
Owner/Operator  
Keith A. Klein, Manager  
U.S. Department of Energy  
Richland Operations Office

7/1/02

\_\_\_\_\_  
Date

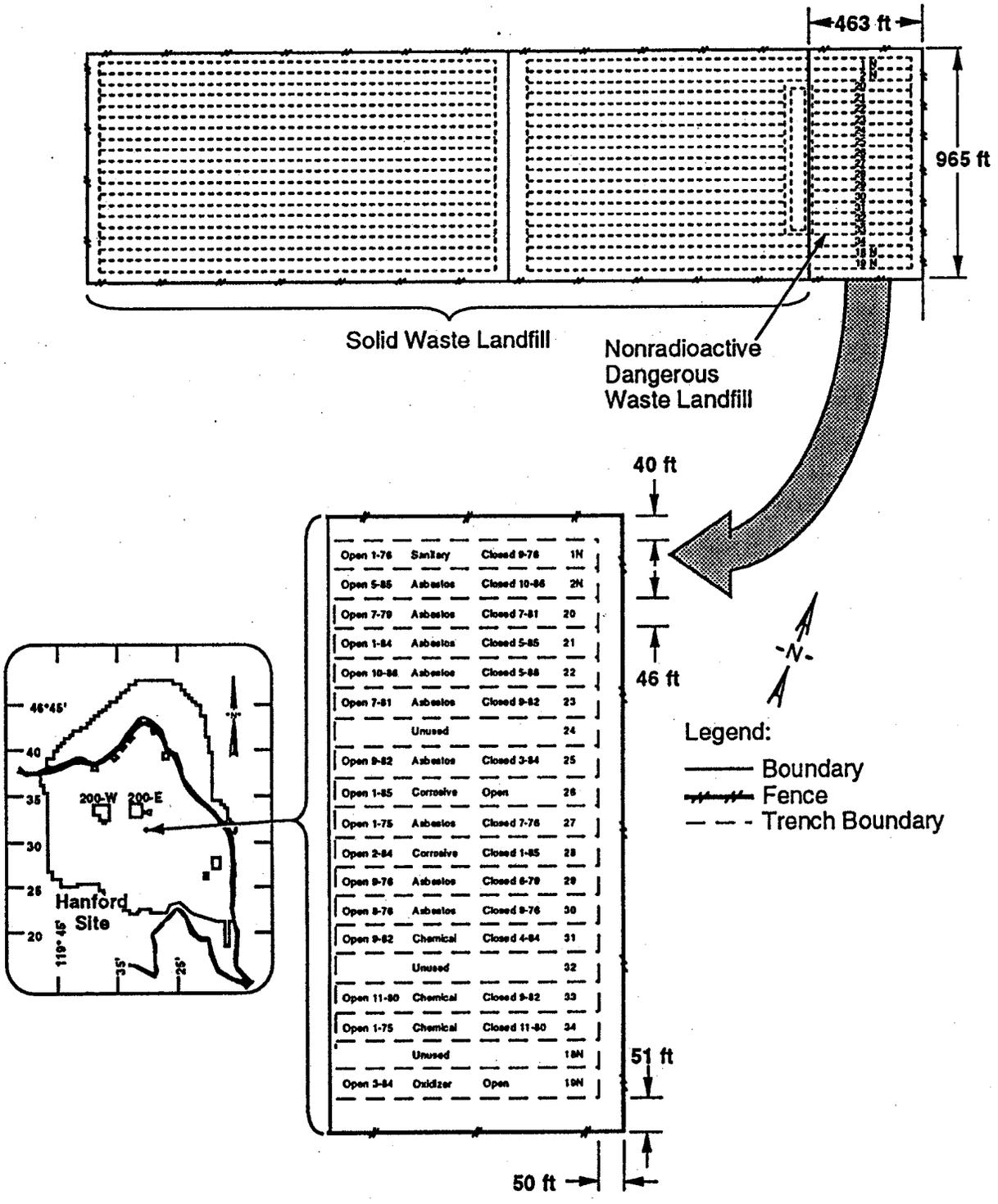


\_\_\_\_\_  
Co-operator  
E. Keith Thomson  
President and Chief Executive Officer  
Fluor Hanford

5-30-02

\_\_\_\_\_  
Date

# NONRADIOACTIVE DANGEROUS WASTE LANDFILL SITE PLAN



For conversions, apply the following:  
 Feet to meters -- multiply feet by 0.3048.

39406150.2

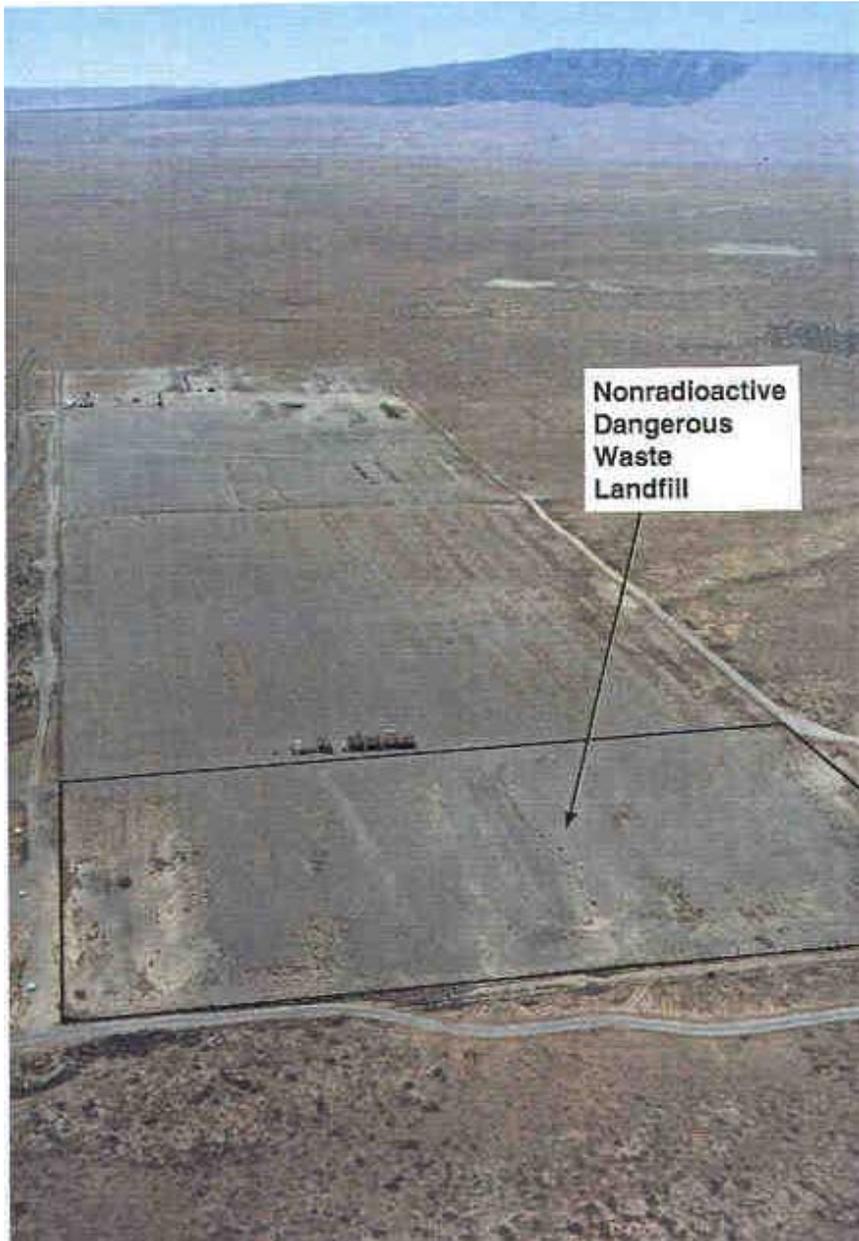
# 600 AREA NONRADIOACTIVE DANGEROUS WASTE LANDFILL



46°30'40"  
119°27'50"

(PHOTO TAKEN 2000)

# NONRADIOACTIVE DANGEROUS WASTE LANDFILL--AERIAL VIEW



46°30'40"  
119°27'50"

90062924-1CN  
(PHOTO TAKEN 1990)