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Date: May 2002	Copy No.: 08
To: D. A. Isom	Document No.: DOE/RL-88-21
	Title: HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION
MSIN: H6-08	Revision Release No.: Revision 32

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RECEIPT

Name: Debbi Isom	Date: 5/9/02

Environment & Regulation
N1-24

Dangerous Waste Permit Application
88-21 Part A

DOE/RL-88-21
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HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

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4.3.1.9	Physical and Chemical Treatment Test Facilities CLOSED 05/13/96	1	08/13/1991	05/13/96
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4.6.1 Treatment Facilities

4.6.1.1	Simulated High-Level Waste Slurry Treatment /Storage CLEAN CLOSED, 09/06/95	2	08/12/1994	09/06/95

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This information has been formatted to be Internet viewable and is a facsimile of the official information. Copies of the official information are available in the Hanford Public Information Repositories.

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

1.0 INTRODUCTION

The Hanford Facility, located in southeastern Washington State, is owned by the U.S. Government and operated by the U.S. Department of Energy, Richland Operations Office. Dangerous waste and mixed waste (containing both dangerous and radioactive components) are generated and managed on the Hanford Facility. Waste components are regulated in accordance with the *Resource Conservation and Recovery Act of 1976,* the *Hazardous and Solid Waste Amendments of 1984*, and/or the *State of Washington Hazardous Waste Management Act of 1976* (as administered through the Washington State Department of Ecology (Ecology) *Dangerous Waste Regulations,* Washington Administrative Code 173-303); or the *Atomic Energy Act of 1954.*

For the purposes of the *Resource Conservation and Recovery Act* and the Washington State *Dangerous Waste Regulations*, the Hanford Site is considered to be a single facility. The single dangerous waste permit identification number issued to the Hanford Site by the U.S. Environmental Protection Agency and the Washington State Department of Ecology is U.S Environmental Protection Agency/State Identification Number WA7890008967. This identification number encompasses over 60 treatment, storage, and/or disposal (TSD) units within the Hanford Site, hereinafter referred to as the Hanford Facility when cited in the context of the *Resource Conservation and Recovery Act* and the Washington State *Dangerous Waste Regulations*.

The current *Hanford Facility Dangerous Waste Part A Permit Application* consists of four "Dangerous Waste Permit General Information, Form 1s" and over 60 "Dangerous Waste Permit Application, Form 3s". For purposes of the *Hanford Facility Dangerous Waste Permit Application*, the U.S. Department of Energy's contractors are identified as the 'co-operators' and sign in that capacity [refer to (Hanford Facility RCRA Permit) Condition 1.A.2 of the Dangerous Waste portion of the Hanford Facility Resource Conservation and Recovery Act permit]. Any identification of these contractors as an 'operator' elsewhere in the application is not meant to conflict with the contractor's designation as co-operators but rather is based on the contractors' contractual status with the U.S. Department of Energy, Hanford Facility.

07/06/00: On the Table of Contents pages, a column has been included to denote the date when Ecology approved the Part A, Form 3, permit application and/or revision. The Table of Contents now can indicate both the latest approved and the latest submitted revision of any particular TSD Unit's Form 3. Additionally, Part 2.0 has been reconfigured to provide several summary reports based on the Form 3's. These reports provide the basis for information required by several Hanford Site annual reports.

04/22/02: Contents reduced to a collection of PDF formatted word files. Part 2.0 is a single hand-generated tabulation of TSD unit information relative to H.F. RCRA Permit location. The other Section 2.0 reports have been removed.

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

2.0 PERMITTING STATUS FOR DANGEROUS WASTE TSD UNITS

	Part A, Form 3	Rev	Co-op /MSC	Area	Unit Type T=treatment S=storage D=disposal	Submitted Document Type	Dated	Rev	Location in HF RCRA Permit	Date Closed	One Page Location
	PART 3										
1	[illegible] Dangerous Waste Storage Facility	[illegible]	[illegible]	[illegible]	S	[illegible]	[illegible]	[illegible]	Part 3, Chapter 1	[illegible]	FS
2	305-B Storage Facility	1A	PNNL	300	S	Part B	04/30/92	2	Part 3, Chapter 2		FS
3	PUREX Storage Tunnels	5A	FH	200E		Part B	04/14/97	4	Part 3, Chapter 3		FS
4	200 Area Effluent Treatment Facility	3	FH	200E	TS	Part B	07/01/97	0	Part 3, Chapter 4		FS
5	Liquid Effluent Retention Facility	6	FH	200E	TS	Part B	07/01/97	0	Part 3, Chapter 4		FS
6	242-A Evaporator	7	FH	200E	TS	Part B	07/01/97	1	Part 3, Chapter 5		FS
7	325 Hazardous Waste Treatment Units	4A	PNNL	300	TS	Part B	06/30/97	1	Part 3, Chapter 6		FS
	PART 5										
1	[illegible]	[illegible]	[illegible]	[illegible]	TS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	CC
2	[illegible]	[illegible]	[illegible]	[illegible]	S	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	CC
3	[illegible]	[illegible]	[illegible]	[illegible]	TS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	CC
4	[illegible]	[illegible]	[illegible]	[illegible]	T	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	CC
5	[illegible]	[illegible]	[illegible]	[illegible]	S	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	CC
6	[illegible]	[illegible]	[illegible]	[illegible]	D	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	CC
7	[illegible]	[illegible]	[illegible]	[illegible]	TD	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	CC
8	[illegible]	[illegible]	[illegible]	[illegible]	T	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	CC
9	[illegible]	[illegible]	[illegible]	[illegible]	TS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	CC
10	[illegible]	[illegible]	Other	[illegible]	TS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	CC
11	[illegible]	[illegible]	[illegible]	[illegible]	S	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	CC
12	3716-K Alkali Metal Treatment and Storage Area	[illegible]	[illegible]	300	TS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	CC
13	303-K Storage Facility	5	FH	300	S	Closure Plan	12/17/93	2	Part 5, Chapter 14		UC
14	100-D Ponds	[illegible]	[illegible]	100	TD	Closure Plan	03/31/96	2	Part 5, Chapter 15	08/09/99	CC
15	1325-N Liquid Waste Disposal Facility	7	BHI	100	D	Closure Plan	05/01/96	0	Part 5, Chapter 16		UC
16	1301-N Liquid Waste Disposal Facility	7	BHI	100	D	Closure Plan	05/01/96	0	Part 5, Chapter 17		UC
17	1324-N Surface Impoundment	3	BHI	100	T	Closure Plan	05/01/96	0	Part 5, Chapter 18		UC
18	1324-NA Percolation Pond	3	BHI	100	TD	Closure Plan	05/01/96	0	Part 5, Chapter 19		UC
	PART 6										
1	300 Area Process Trenches	4	BHI	300	D	Closure Plan	05/25/95	4	Part 6, Chapter 1		PC
2	183-H Solar Evaporation Basins	4	BHI	100	TS	Postclosure Plan	06/30/97	0	Part 6, Chapter 2		PC
	Not In HF RCRA Permit										
1	1706-KE Waste Treatment System	3	FH	100	TS	Closure Plan	07/08/99	0			TBC
2	204-AR Waste Unloading Station	5	CHG	200E	T						Pin FS
3	207-A South Retention Basin	2	FH	200E	S						Other
4	216-A-10 Crib	3	BHI	200E	D						TBC
5	216-A-29 Ditch	3	BHI	200E	TD						TBC
6	216-A-36B Crib	1	BHI	200W	D						TBC
7	216-A-37-1 Crib	2	BHI	200E	D						TBC
8	216-B-3 Main Pond	6	BHI	200E	TD						TBC
9	216-B-63 Trench	5	BHI	200E	TD						TBC
10	216-S-10 Pond and Ditch	3	BHI	200W	D						TBC
11	216-U-12 Crib	3	BHI	200W	D						TBC
12	221-T Test Facility	3	FH	200W	T					02/22/99	ProcC
13	222-S Laboratory Complex	9	FH	200W	TS	Part B	12/21/91	0			Pin FS
14	224-T Transuranic Waste Storage and Assay Facility	6	FH	200W	S	Part B	06/30/92	0			TPA/8
15	241-CX Tank System	3	BHI	200E	S						Other
16	241-Z Treatment and Storage Tanks	6	FH	200W	TS	Closure Plan	12/31/96	0			TPA/8
17	2727-WA SRE Sodium Storage Building	1	FH	200W	S					02/22/99	ProcC
18	300 Area Waste Acid Treatment System	5	FH	300	TS	Closure Plan	03/31/96	1			TBC
19	303-M Oxide Facility	1	FH	300	T						TBC
20	324 Pilot Plant	3	PNNL	300	T					06/09/97	ProcC
21	332 Storage Facility	0	PNNL	300	S					4/21/97	ProcC
22	437 Maintenance and Storage Facility	3	FH	400	T						ProcC
23	600 Area Purgewater Storage and Treatment Facility	3	BHI	600	TS						Other
24	B Plant Complex	8	BHI	200E	TS	Preclosure Work Plan	02/27/98	0			TPA/8
25	Biological Treatment Test Facilities	0	PNNL	300	T					12/10/96	ProcC
26	Central Waste Complex	4	FH	200W	TS	Part B	05/22/96	1			Pin FS
27	Double-Shell Tank System	9	CHG	200EW	TS	Part B	08/26/91	0			Pin FS
28	Grout Treatment Facility	6	CHG	200E	TSD	Part B	07/24/92	2			TBC
29	Hanford Waste Vitrification Plant	6	DOE	200E	TS	Part B	10/31/91	2			Pin FS
30	Hexone Storage and Treatment Facility	3	BHI	200W	TS	Closure Plan	11/24/92	0			TBC
31	HLW Interim Storage Unit	0	FH	200E	S						Pin FS
32	Low-Level Burial Grounds	9	FH	200EW	SD	Part B	07/31/97	1			Pin FS
33	Nonradioactive Dangerous Waste Landfill	4	BHI	600	D	Closure Plan	09/30/90	0			TBC
34	Physical and Chemical Treatment Test Facilities	[illegible]	PNNL	300	TS					5/13/96	ProcC
35	Plutonium Finishing Plant Treatment and Storage Unit	2	FH	200W	TS						Other
36	PUREX Plant	9	BHI	200E	TS	Preclosure Work Plan	06/30/95	0			TPA/8
37	Single-Shell Tank System	7	CHG	200EW	TS	Closure Work Plan	08/30/95	0			Pin FS
	Sodium Storage Facility and Sodium Reaction Facility	1	FH	400	TS						Other
	T Plant Complex	8	FH	200W	TS	Part B	12/19/95	0			Pin FS
40	Thermal Treatment Test Facilities	0	PNNL	300	T					5/13/96	ProcC
41	Waste Encapsulation and Storage Facility	2	FH	200E	S						Other
42	Waste Receiving and Processing Facility	1	FH	200W	TS	Part B	05/22/98	1			Pin FS

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1 Introduction

Part A

The Part A, Dangerous Waste Permit Application (DWPA) Form 1, for the River Protection Project – Waste Treatment Plant (WTP) is included in the following pages. The form includes a figure showing the location of the WTP on the Hanford Site.

The Part A, DWPA Form 3, for the WTP is included immediately after Form 1.

FORM 1	Washington State Dangerous Waste Permit General Information (Read "Form 1 Instructions" before starting)	1. EPA/State I.D. No. WA 7 8 9 0 0 0 8 9 6 7

II. NAME OF FACILITY

US Department of Energy - Hanford Facility

III. FACILITY CONTACT

A. Name and Title (last, first, & title)	B. Phone (area code & no.)
Klein, Keith A., Manager	(509) 376-7395

IV. FACILITY MAILING ADDRESS

A. Street or P.O. Box

PO Box 550

B. City or Town	C. State	D. Zip Code
Richland	WA	99352

V. FACILITY LOCATION (SEE FIGURE ON PAGE 4)

A. Street, Route No., or Other Specific Identifier

Hanford Site

B. County Name

Benton

C. City or Town	D. State	E. Zip Code	F. County Code (if known)
Richland	WA	99352	005

VI. SIC CODES *(4-digit, in order of priority)*

A. First		B. Second	
9999	(specify) Nonclassifiable	4953	Refuse Systems
A. Third		**B. Fourth**	
9511	(specify) Air and Water Resource and Solid Waste Management	8733	Research Noncommercial

VII. OPERATOR INFORMATION

A. Name	B. Is the name listed in Item VII-A also the owner?
Department of Energy * Owner/Operator Bechtel National, Inc ** Co-operator for WTP	☒ YES* ☐ NO

C. Status of Operator (Enter the appropriate letter into the answer box; if "Other," specify).		D. Phone (area code & no.)
F = Federal M = Public (other than federal or state) P = State P = Private O = Other (specify)	(specify) F	(509) 376-7395* (509) 371-3500**

E. Street or P.O. Box

P.O. Box 550*
3000 George Washington Way**

F. City or Town	G. State	H. Zip	VIII. INDIAN LAND
Richland	WA	99352	Is the facility located on Indian lands? ☐ YES ☒ NO

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ECY 050-31 (Rev. 7/00)

Page 1

IX. MAP SEE WTP TOPOGRAPHIC MAPS, APPENDIX 2A
Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. This 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 the map area. See instructions for precise requirements.
X. NATURE OF BUSINESS *(provide a brief description)*
Treatment by vitrification of radioactive dangerous waste.
XI. CERTIFICATION *(see instructions)*
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsibility for obtaining the information contained in the application, I believe that the 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 & Official Title *(Type or print)*	B. Signature	C. Date Signed
See attached certification		

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Part A Form 1 Certification

XI 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.

Michael H. Schlender (for) — 11/28/01
Date

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

M L Boston — 11/28/01
Date

Owner/Operator
Harry L. Boston, Manager
U.S. Department of Energy,
Office of River Protection

R F Naventi — 28 Nov 01
Date

Co-operator
R. F. Naventi, Project Manager
River Protection Project – Waste Treatment Plant
Bechtel National, Inc.

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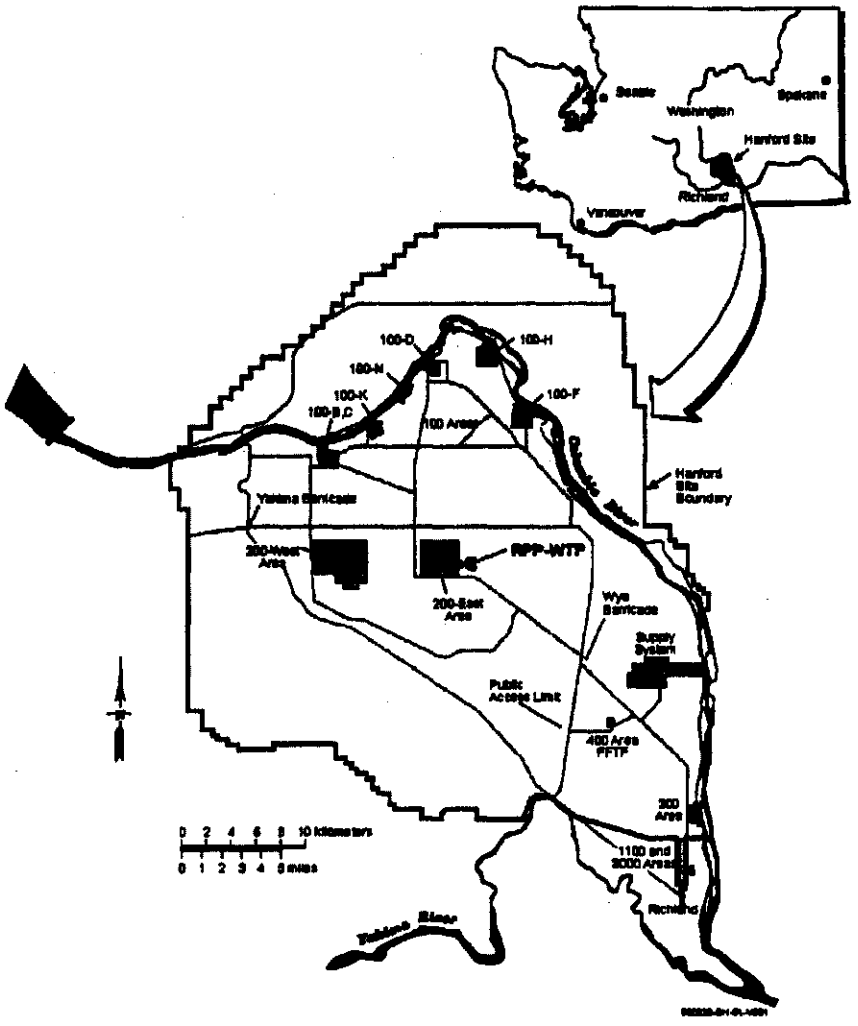
FIGURE LOCATION OF THE WTP ON THE HANFORD SITE



ECT 030-31 (Rev. 7/00) Page 4

FORM 3	Dangerous Waste Permit Application	1. EPA/State I.D. No. W A 7 8 9 0 0 0 8 9 6 7

FOR OFFICIAL USE ONLY

Application Approved	Date Received (month/day/year)	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/STATE I.D. Number, or if this is a revised application, enter your facility's EPA/STATE I.D. Number in Section 1 below.

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	YR
0 3	2 2	1 9 4 3

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

☐ 2. New Facility (complete item below.)

MO	DAY	YR

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 1 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 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 (Section 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	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
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; Section III-C)	T04	Gallons per day or liters per day

Units of Measure	Unit of Measure Code	Units of Measure	Unit of Measure Code	Units 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 Day	Z	Hectares	Q
Gallons Per Day	U	Liters Per Hour	H		

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III. PROCESSES – 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 (from list above)			B. Process Design Capacity 1. Amount (specify)	2. Unit of Measure (enter code)	For Official Use Only
X-1	*S*	*0*	*2*	*600*	*G*	
X-2	*T*	*0*	*3*	*20*	*E*	
1	S	0	1	2,700,000	G	
2	S	0	2	4,735,000	G	
3	T	0	1	29,000	U	
4	T	0	4	Vit 15,000	U	
5	T	0	4	Containment Bldg. 16,000	U	
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.

Line No. 4 – T04 = Treatment in miscellaneous units by vitrification.

Line No. 5 – T04 = Treatment in miscellaneous units, in containment buildings for vitrified waste and secondary waste.

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.*

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IV. DESCRIPTION OF DANGEROUS WASTES *(continued)*

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 waste: 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. 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. 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))
X-1	K	0	3	4	900		P		T01	D80			
X-2	D	0	0	2	400		P		T01	D80			
X-3	D	0	0	1	100		P		T01	D80			
X-4	D	0	0	2					T01	D80			included with above

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

ID Number (enter from page 1)
WA7890008967

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. Process 1. Process Codes *(enter)*				2. Process Description *(If a code is not entered in D(1))*
1	D001	51,000	T			S02				
2	D003					S02				Included with above
3	D002					T01	S02			Included with above
4	D004					T01	S02			Included with above
5	D005					T01	S02			Included with above
6	D006					T01	S02			Included with above
7	D007					T01	S02			Included with above
8	D008					T01	S02			Included with above
9	D009					T01	S02			Included with above
10	D010					T01	S02			Included with above
11	D011					T01	S02			Included with above
12	D018					T01	S02			Included with above
13	D019					T01	S02			Included with above
14	D022					T01	S02			Included with above
15	D028					T01	S02			Included with above
16	D029					T01	S02			Included with above
17	D030					T01	S02			Included with above
18	D033					T01	S02			Included with above
19	D034					T01	S02			Included with above
20	D035					T01	S02			Included with above
21	D036					T01	S02			Included with above
22	D038					T01	S02			Included with above
23	D039					T01	S02			Included with above
24	D040					T01	S02			Included with above
25	D041					T01	S02			Included with above
26	D043					T01	S02			Included with above

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

ID 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	WT01					T01	S02			Included with above
2	WT02					T01	S02			Included with above
3	WP01					T01	S02			Included with above
4	WP02					T01	S02			Included with above
5	F001					T01	S02			Included with above
6	F002					T01	S02			Included with above
7	F003					T01	S02			Included with above
8	F004					T01	S02			Included with above
9	F005					T01	S02			Included with above
10	F039[a]					T01	S02			Included with above
11										
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Photocopy this page before completing if you have more than 26 wastes to list.

ID Number (enter from page 1)
WA7890008967

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	D002	33,500	T			T04	S01			Vitrification treatment process and merger of ILAW and DILW
2	D004					T04	S01			Included with above
3	D005					T04	S01			Included with above
4	D006					T04	S01			Included with above
5	D007					T04	S01			Included with above
6	D008					T04	S01			Included with above
7	D009					T04	S01			Included with above
8	D010					T04	S01			Included with above
9	D011					T04	S01			Included with above
10	D018					T04	S01			Included with above
11	D019					T04	S01			Included with above
12	D022					T04	S01			Included with above
13	D028					T04	S01			Included with above
14	D029					T04	S01			Included with above
15	D030					T04	S01			Included with above
16	D033					T04	S01			Included with above
17	D034					T04	S01			Included with above
18	D035					T04	S01			Included with above
19	D036					T04	S01			Included with above
20	D038					T04	S01			Included with above
21	D039					T04	S01			Included with above
22	D040					T04	S01			Included with above
23	D041					T04	S01			Included with above
24	D043					T04	S01			Included with above
25	WT01					T04	S01			Included with above
26	WT02					T04	S01			Included with above

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

ID Number (enter from page 1)
WA 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	WP01					T04	S01			Included with above
2	WP02					T04	S01			Included with above
3	F001					T04	S01			Included with above
4	F002					T04	S01			Included with above
5	F003					T04	S01			Included with above
6	F004					T04	S01			Included with above
7	F005					T04	S01			Included with above
8	F039[a]					T04	S02			Included with above
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ECY 030-31 Form 3 (Rev. 7/00) Page 4D

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

ID 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. Treatment 1. Process Codes *(enter)*				D. Treatment 3. Process Description *(If a code is not entered in D(1))*
1	D002	1,800	T			T04	S01			Treatment and storage in containment buildings
2	D004					T04	S01			Included with above
3	D005					T01	S01			Included with above
4	D006					T04	S01			Included with above
5	D007					T04	S01			Included with above
6	D008					T04	S01			Included with above
7	D009					T04	S01			Included with above
8	D010					T04	S01			Included with above
9	D011					T04	S01			Included with above
10	D018					T04	S01			Included with above
11	D019					T04	S01			Included with above
12	D022					T04	S01			Included with above
13	D028					T04	S01			Included with above
14	D029					T04	S01			Included with above
15	D030					T04	S01			Included with above
16	D033					T04	S01			Included with above
17	D034					T04	S01			Included with above
18	D035					T04	S01			Included with above
19	D036					T04	S01			Included with above
20	D038					T04	S01			Included with above
21	D039					T04	S01			Included with above
22	D040					T04	S01			Included with above
23	D041					T04	S01			Included with above
24	D043					T04	S01			Included with above
25	WT01					T04	S01			Included with above
26	WT02					T04	S01			Included with above

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

ID Number (enter from page 1)
WA789000897

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. Process 1. Process Codes *(enter)*				2. Process Description *(If a code is not entered in D(1))*
1	WP01					T04	S01			Included with above
2	WP02					T04	S01			Included with above
3	F001					T01	S01			Included with above
4	F002					T04	S01			Included with above
5	F003					T04	S01			Included with above
6	F004					T04	S01			Included with above
7	F005					T04	S01			Included with above
8	F039*					T04	S01			Included with above
9										
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IV. DESCRIPTION OF DANGEROUS WASTES *(continued)*

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

a. F039 is a multisource leachate included as a waste derived from non-specific source wastes F001 through F005.

V. FACILITY DRAWING

See facility drawing, including all existing facilities, on page 6.

VI. PHOTOGRAPHS

See facility photograph on page 7

VII. FACILITY GEOGRAPHIC LOCATION

LATITUDE (degrees, minutes, & seconds)	Longitude (degrees, minutes, & seconds)
46 33 07	119 30 23

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.

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

1. Name of Facility's Legal Owner	2. Phone Number *(area code & no.)*
See Form 1 page	

3. Street or P.O. Box	4. City or Town	5. State	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)	Signature	Date Signed
See attached certification		

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)	Signature	Date Signed
See attached certification		

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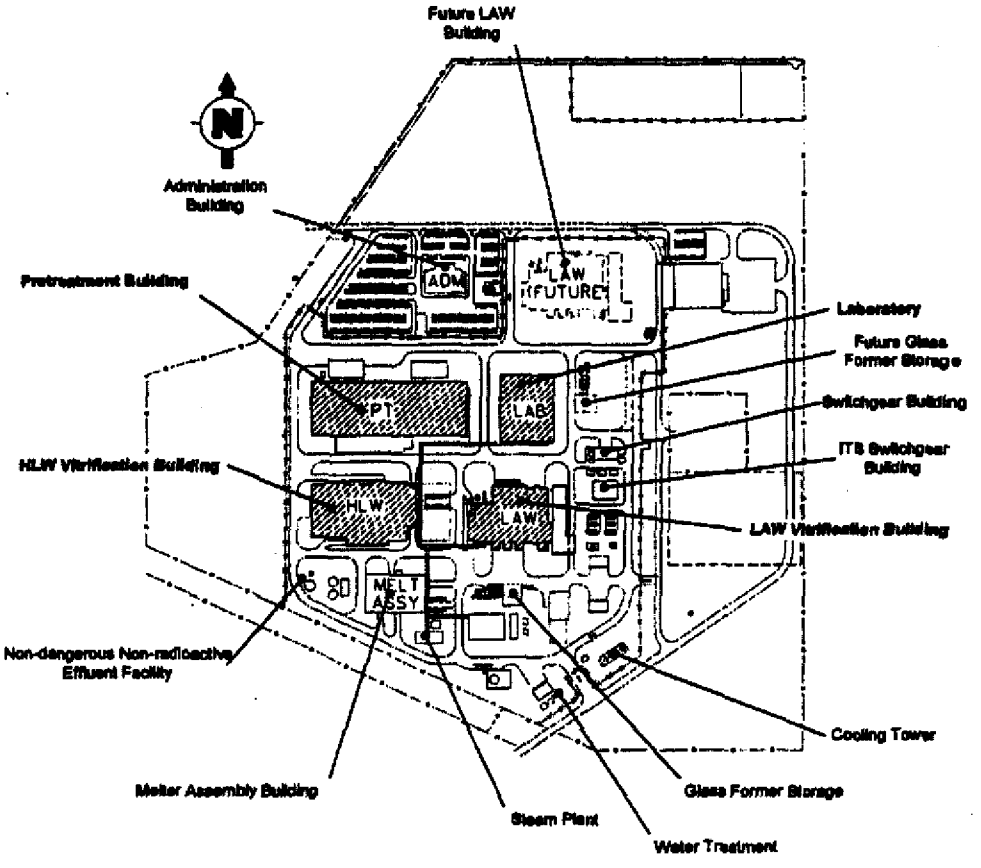
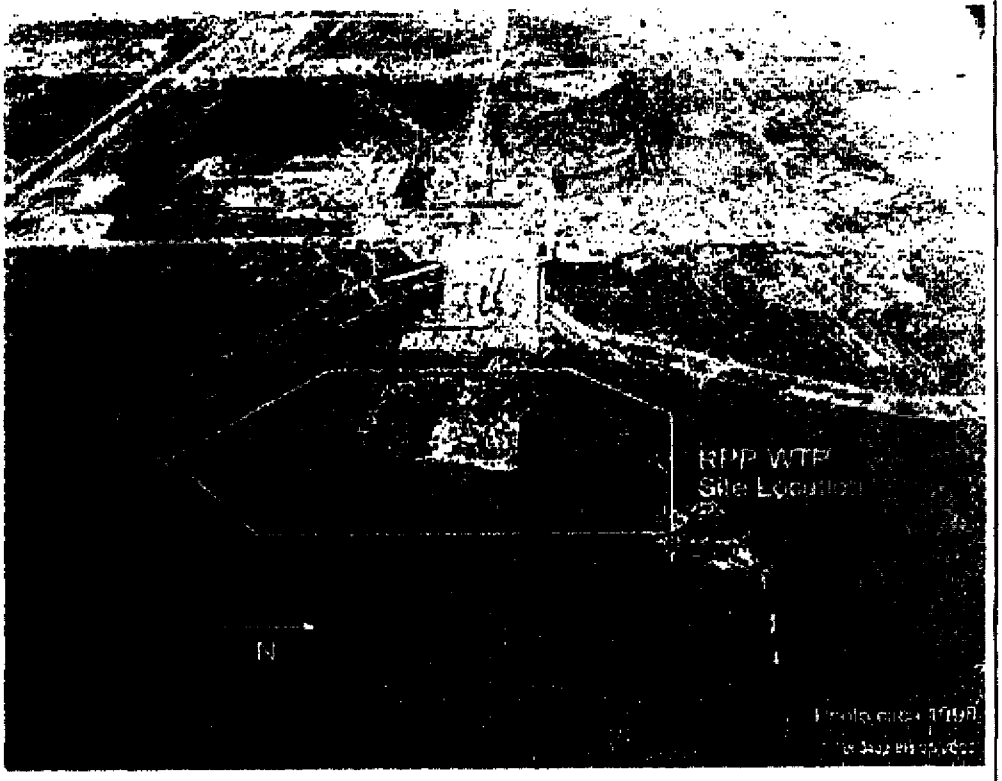
V. FACILITY DRAWING



ECY 030-31 Form 3 (Rev. 7/00) Page 6

VI. PHOTOGRAPH



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Page 7

Part A Form 3 Certification

IX AND X. OWNER AND OPERATOR CERTIFICATIONS

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.

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

11/28/01
Date

Owner/Operator
Harry L. Boston, Manager
U.S. Department of Energy,
Office of River Protection

11/28/01
Date

Co-operator
R. F. Naventi, Project Manager
River Protection Project – Waste Treatment Plant
Bechtel National, Inc.

28 Nov 01
Date

BCY 050-31 Form 3 (Rev. 7/00) Page 3

Dangerous Waste Permit Application
88-21 Part A

DOE/RL-88-21
Contents

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

CONTENTS

TSD Unit Name	Rev.	Date Submitted	Ecology Response Date
1.0 INTRODUCTION			
2.0 PERMITTING STATUS FOR DANGEROUS WASTE TREATMENT, STORAGE, AND/OR DISPOSAL UNITS			
3.0 FORM 1 - DANGEROUS WASTE PERMIT APPLICATION			
3.1.1 FORM 1 - FDH	3		
3.1.2 FORM 1 - PNL	1		
3.1.3 FORM 1 - BHI	0		
3.1.4 FORM 1 - CHG	1		
4.0 FORM 3 - DANGEROUS WASTE PERMIT APPLICATION			
4.1 100 AREA FACILITIES			
4.1.1 Treatment Facilities			
4.1.1.1 1324-N Surface Impoundment	3	06/30/1994	05/18/99
4.1.1.2 105-DR Large Sodium Fire Facility PARTIAL CLOSURE PLAN COMPLETED, 10/01/96	4	05/10/1998	05/10/98
4.1.1.3 1706-KE Waste Treatment System	3	09/26/1996	Pending
4.1.1.4 183-H Solar Evaporation Basins	4	06/30/1994	08/18/94
4.1.2 Disposal Facilities			
4.1.2.1 1301-N Liquid Waste Disposal Facility	7	02/25/1997	05/18/99
4.1.2.2 1325-N Liquid Waste Disposal Facility	7	02/25/1997	05/18/99
4.1.2.3 1324-NA Percolation Pond	3	06/30/1994	05/18/99
4.1.2.4 100-D Ponds CLOSED 08/09/99	4	06/30/1994	08/09/99
4.2 200 AREA FACILITIES			
4.2.1 Treatment Facilities			
4.2.1.1 221-T Test Facility	3	09/26/1996	02/22/99

	CLOSED 02/22/99			
4.2.1.2	200 West Area Ash Pit Demolition Site CLEAN CLOSED, 11/28/95	4	11/04/1994	11/28/95
4.2.1.3	218-E-8 Borrow Pit Demolition Site CLEAN CLOSED, 11/28/95	4	11/04/1994	11/04/94
4.2.1.4	242-A Evaporator	7	09/26/1996	10/16/96
4.2.1.5	Grout Treatment Facility	6	09/30/1999	11/01/99
4.2.1.5	Grout Treatment Facility	7	12/21/1999	Pending
4.2.1.6	T Plant Complex	8	02/05/2001	05/15/01
4.2.1.7	241-Z Treatment and Storage Tanks	6	05/05/2000	07/05/00
4.2.1.8	B Plant Complex	8	11/22/1999	11/22/99
4.2.1.9	222-S Laboratory Complex	9	03/08/2001	03/19/01
4.2.1.10	204-AR Waste Unloading Station	5	09/30/1999	10/21/99
4.2.1.10	204-AR Waste Unloading Station	6	12/21/1999	Pending
4.2.1.11	PUREX Plant	9	08/04/1999	08/19/99
4.2.1.12	Hanford Waste Vitrification Plant	5	09/26/1996	Pending
4.2.1.12	Hanford Waste Vitrification Plant	6	09/30/1999	Denied
4.2.1.13	200 Area Effluent Treatment Facility	3	05/22/1998	05/18/99
4.2.1.14	Waste Receiving and Processing Facility	1	09/26/1996	03/12/97
4.2.1.14	Waste Receiving and Processing Facility	3	06/28/1999	Pending
4.2.1.15	Plutonium Finishing Plant Treatment Unit	1	04/10/2000	06/09/00
4.2.1.15	Plutonium Finishing Plant Treatment and Storage Unit	2	07/05/2000	Denied
4.2.1.16	Waste Treatment Plant	1	11/28/2001	Pending
4.2.2	Storage Facilities			
4.2.2.1	2727-S Storage Facility CLEAN CLOSED, 07/31/95	2	11/16/1987	07/31/95
4.2.2.2	Double-Shell Tank System	9	09/30/1999	10/21/99
4.2.2.2	Double-Shell Tank System	10	12/21/1999	Pending
4.2.2.3	Hexone Storage and Treatment Facility	3	06/30/1994	Pending
4.2.2.4	2727-WA SRE Sodium Storage Building CLOSED 02/22/99	1	09/26/1996	02/22/99
4.2.2.5	PUREX Storage Tunnels	5A	09/26/2000	12/12/00
4.2.2.6	224-T Transuranic Waste Storage and Assay Facility	6	09/26/1996	11/06/96
4.2.2.7	Central Waste Complex	4	09/26/1996	02/18/97
4.2.2.7	Central Waste Complex	6	06/28/1999	Pending
4.2.2.8	Single-Shell Tank System	6	12/21/1999	Pending
4.2.2.8	Single-Shell Tank System	7	10/29/2001	Denied
4.2.2.9	207-A South Retention Basin	2	09/26/1996	Pending
4.2.2.10	Liquid Effluent Retention Facility	6	05/22/1998	05/18/99
4.2.2.11	241-CX Tank System	3	06/30/1994	Pending
4.2.2.12	Waste Encapsulation and Storage Facility	2	10/03/2001	12/06/01
4.2.2.13	IHLW Interim Storage Unit	0	06/28/1999	07/28/99

4.2.3 Disposal Facilities

4.2.3.1	Low-Level Burial Grounds	9	03/04/1997	03/06/97
4.2.3.1	Low-Level Burial Grounds	11	12/23/1998	Denied
4.2.3.2	216-S-10 Pond and Ditch	3	06/30/1994	10/30/00
4.2.3.3	2101-M Pond CLEAN CLOSED, 11/28/95	2	11/16/1987	11/28/95
4.2.3.4	216-A-29 Ditch	3	06/30/1994	10/30/00
4.2.3.5	216-B-3 Main Pond	6	03/30/2000	Pending
4.2.3.6	216-B-63 Trench	5	11/22/1999	10/30/00
4.2.3.7	216-A-10 Crib	3	06/30/1994	Pending
4.2.3.8	216-U-12 Crib	3	06/30/1994	Pending
4.2.3.9	216-A-36B Crib	1	06/30/1994	Pending
4.2.3.10	216-A-37-1 Crib	2	06/30/1994	Pending
4.2.3.11	216-B-3 Expansion Ponds CLEAN CLOSED, 07/31/95	0	12/16/1993	07/31/95

4.3 300 AREA FACILITIES

4.3.1 Treatment Facilities

4.3.1.1	3718-F Alkali Metal Treatment and Storage Area CLEAN CLOSED, 08/04/98	4	09/26/1996	08/04/98
4.3.1.2	324 Pilot Plant CLOSED 06/09/97	3	05/19/1988	06/09/97
4.3.1.3	304 Concretion Facility CLEAN CLOSED, 1/21/96	4	06/21/1990	01/21/96
4.3.1.4	300 Area Solvent Evaporator CLEAN CLOSED, 07/31/95	4	03/27/1990	07/31/95
4.3.1.5	300 Area Waste Acid Treatment System	5	09/26/1996	Pending
4.3.1.6	303-M Oxide Facility	1	09/26/1996	Pending
4.3.1.7	325 Hazardous Waste Treatment Units	4A	06/29/2000	08/18/00
4.3.1.8	Biological Treatment Test Facilities CLOSED 12/10/96	0	05/19/1988	12/10/96
4.3.1.9	Physical and Chemical Treatment Test Facilities CLOSED 05/13/96	1	08/13/1991	05/13/96
4.3.1.10	Thermal Treatment Test Facilities CLOSED 05/13/96	0	05/19/1988	05/13/96

4.3.2 Storage Facilities

4.3.2.1	311 Tanks	1	11/16/1987	Pending
4.3.2.2	303-K Storage Facility	5	09/26/1996	02/25/98
4.3.2.3	305-B Storage Facility	1A	07/07/1998	07/20/98
4.3.2.4	332 Storage Facility CLOSED 04/21/97	0	05/19/1988	04/21/97

4.3.3 Disposal Facilities

4.3.3.1	300 Area Process Trenches	4	05/25/1995	Pending

4.4 400 AREA FACILITIES

4.4.1 Treatment Facilities

4.4.1.1	437 Maintenance and Storage Facility	3	09/26/1996	Pending

4.4.2 Storage Facilities

4.4.2.1	4843 Alkali Metal Storage Facility CLEAN CLOSED, 04/14/97	3	09/26/1996	04/14/97
4.4.2.2	Sodium Storage Facility and Sodium Reaction Facility	1	09/26/1996	Pending

4.5 600 AREA FACILITIES

4.5.1 Treatment Facilities

4.5.1.1	Hanford Patrol Academy Demolition Sites CLEAN CLOSED, 11/28/95	4	12/15/1994	11/28/95

4.5.2 Storage Facilities

4.5.2.1	616 Nonradioactive Dangerous Waste Storage Facility CLEAN CLOSED, 09/05/01	7	03/04/1997	09/05/01
4.5.2.2	600 Area Purgewater Storage and Treatment Facility	3	09/11/1998	Pending

4.5.3 Disposal Facilities

4.5.3.1	Nonradioactive Dangerous Waste Landfill	4	06/30/1994	Pending

4.6 3000 AREA FACILITIES

4.6.1 Treatment Facilities

4.6.1.1	Simulated High-Level Waste Slurry Treatment /Storage CLEAN CLOSED, 09/06/95	2	08/12/1994	09/06/95

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DOE/RL-88-21
305-B Storage Facility
Rev. 1A, 7/7/98

Please print or type in the unshaded areas only
(Fill-in areas are spaced for elite type, i.e. 12 characterlinch).

FORM 3

DANGEROUS WASTE PERMIT APPLICATION

I. EPA/STATE I.D. NUMBER: W A 7 8 9 0 0 0 8 9 6 7

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED (mo., day, & yr.)	COMMENTS
		Approved 07/20/98

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

*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. PROCESS - CODES AND 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 (Section 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	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

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: 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		

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.

	A. PROCESS	B. PROCESS DESIGN CAPACITY	

LINE NUMBER	CODE *(from list above)*	1. AMOUNT *(specify)*	2. UNIT OF MEASURE *(enter code)*	FOR OFFICIAL USE ONLY			
X-1	*S02*	*600*	*G*				
X-2	*T03*	*20*	*E*				
1	S01	30,000	G				
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.

S01

The 305-B Storage Facility is a waste assembly area that services Research and Development operations at the 300 Area satellite storage area. Waste are brought into the facility for storage, repackaging, and/or waste consolidation into mostly 55 gallon drums. The storage design capacity is 30,000 gallons.

RMW is stored as received in storage cells in the basement of the facility. Other wastes are stored in segregated cells in the high bay area

V. DESCRIPTION OF DANGEROUS WASTES

A. *DANGEROUS WASTE NUMBER - Enter the four 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 describe 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 measuer 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. 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. DANGEROUS 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	K054	900	P	T03	D80			
X-2	D002	400	P	T03	D80			
X-3	D001	100	P	T03	D80			
X-4	D002			T03	D80			included with above
1	D001	20,000	K	S01				
2	D002	5,000	K	S01				
3	D003	500	K	S01				
4	D004	200	K	S01				
5	D005	200	K	S01				
6	D006	200	K	S01				
7	D007	10,000	K	S01				
8	D008	50,000	K	S01				
9	D009	400	K	S01				
10	D010	50	K	S01				
11	D011	200	K	S01				
12	D012	220	K	S01				

13	D013	220	K	S01				
14	D014	220	K	S01				
15	D015	220	K	S01				
16	D016	220	K	S01				
17	D017	220	K	S01				
18	D018	2,000	K	S01				
19	D019	2,000	K	S01				
20	D020	220	K	S01				
21	D021	220	K	S01				
22	D022	2,000	K	S01				
23	D023	2,000	K	S01				
24	D024	2,000	K	S01				
25	D025	2,000	K	S01				
26	D026	2,000	K	S01				
27	D027	220	K	S01				
28	D028	220	K	S01				
29	D029	220	K	S01				
30	D030	220	K	S01				
31	D031	220	K	S01				
32	D032	220	K	S01				
33	D033	220	K	S01				
34	D034	220	K	S01				
35	D035	5,000	K	S01				
36	D036	220	K	S01				
37	D037	2,000	K	S01				
38	D038	2,000	K	S01				
39	D039	2,000	K	S01				
40	D040	2,000	K	S01				
41	D041	220	K	S01				
42	D042	220	K	S01				
43	D043	2,000	K	S01				
44	F001	2,000	K	S01				
45	F002	2,000	K	S01				
46	F003	5,000	K	S01				
47	F004	1,000	K	S01				
48	F005	5,000	K	S01				
49	F027	200	K	S01				
50	P001	200	K	S01				
51	P002	200	K	S01				
52	P003	200	K	S01				
53	P004	200	K	S01				
54	P005	200	K	S01				
55	P006	200	K	S01				
56	P007	200	K	S01				
57	P008	200	K	S01				
58	P009	200	K	S01				
59	P010	200	K	S01				
60	P011	200	K	S01				
61	P012	200	K	S01				
62	P013	200	K	S01				
63	P014	200	K	S01				
64	P015	200	K	S01				
65	P016	200	K	S01				

66	P017	200	K	S01				
67	P018	200	K	S01				
68	P019	200	K	S01				
69	P020	200	K	S01				
70	P021	200	K	S01				
71	P022	200	K	S01				
72	P023	200	K	S01				
73	P024	200	K	S01				
74	P025	200	K	S01				
75	P026	200	K	S01				
76	P027	200	K	S01				
77	P028	200	K	S01				
78	P029	200	K	S01				
79	P030	200	K	S01				
80	P031	200	K	S01				
81	P032	200	K	S01				
82	P033	200	K	S01				
83	P034	200	K	S01				
84	P035	200	K	S01				
85	P036	200	K	S01				
86	P037	200	K	S01				
87	P038	200	K	S01				
88	P039	200	K	S01				
89	P040	200	K	S01				
90	P041	200	K	S01				
91	P042	200	K	S01				
92	P043	200	K	S01				
93	P044	200	K	S01				
94	P045	200	K	S01				
95	P046	200	K	S01				
96	P047	200	K	S01				
97	P048	200	K	S01				
98	P049	200	K	S01				
99	P050	200	K	S01				
100	P051	200	K	S01				
101	P052	200	K	S01				
102	P053	200	K	S01				
103	P054	200	K	S01				
104	P055	200	K	S01				
105	P056	200	K	S01				
106	P057	200	K	S01				
107	P058	200	K	S01				
108	P059	200	K	S01				
109	P060	200	K	S01				
110	P061	200	K	S01				
111	P062	200	K	S01				
112	P063	200	K	S01				
113	P064	200	K	S01				
114	P065	200	K	S01				
115	P066	200	K	S01				
116	P067	200	K	S01				
117	P068	200	K	S01				
118	P069	200	K	S01				

119	P070	200	K	S01				
120	P071	200	K	S01				
121	P072	200	K	S01				
122	P073	200	K	S01				
123	P074	200	K	S01				
124	P075	200	K	S01				
125	P076	200	K	S01				
126	P077	200	K	S01				
127	P078	200	K	S01				
128	P079	200	K	S01				
129	P080	200	K	S01				
130	P081	200	K	S01				
131	P082	200	K	S01				
132	P083	200	K	S01				
133	P084	200	K	S01				
134	P085	200	K	S01				
135	P086	200	K	S01				
136	P087	200	K	S01				
137	P088	200	K	S01				
138	P089	200	K	S01				
139	P090	200	K	S01				
140	P091	200	K	S01				
141	P092	200	K	S01				
142	P093	200	K	S01				
143	P094	200	K	S01				
144	P095	200	K	S01				
145	P096	200	K	S01				
146	P097	200	K	S01				
147	P098	200	K	S01				
148	P099	200	K	S01				
149	P100	200	K	S01				
150	P101	200	K	S01				
151	P102	200	K	S01				
152	P103	200	K	S01				
153	P104	200	K	S01				
154	P105	200	K	S01				
155	P106	200	K	S01				
156	P107	200	K	S01				
157	P108	200	K	S01				
158	P109	200	K	S01				
159	P110	200	K	S01				
160	P111	200	K	S01				
161	P112	200	K	S01				
162	P113	200	K	S01				
163	P114	200	K	S01				
164	P115	200	K	S01				
165	P116	200	K	S01				
166	P117	200	K	S01				
167	P118	200	K	S01				
168	P119	200	K	S01				
169	P120	200	K	S01				
170	P121	200	K	S01				
171	P122	200	K	S01				

172	P123	200	K	S01				
173	U001	200	K	S01				
74	U002	200	K	S01				
175	U003	200	K	S01				
176	U004	200	K	S01				
177	U005	200	K	S01				
178	U006	200	K	S01				
179	U007	200	K	S01				
180	U008	200	K	S01				
181	U009	200	K	S01				
182	U010	200	K	S01				
183	U011	200	K	S01				
184	U012	200	K	S01				
185	U013	200	K	S01				
186	U014	200	K	S01				
187	U015	200	K	S01				
188	U016	200	K	S01				
189	U017	200	K	S01				
190	U018	200	K	S01				
191	U019	200	K	S01				
192	U020	200	K	S01				
193	U021	200	K	S01				
194	U022	200	K	S01				
195	U023	200	K	S01				
196	U024	200	K	S01				
97	U025	200	K	S01				
198	U026	200	K	S01				
199	U027	200	K	S01				
200	U028	200	K	S01				
201	U029	200	K	S01				
202	U030	200	K	S01				
203	U031	200	K	S01				
204	U032	200	K	S01				
205	U033	200	K	S01				
206	U034	200	K	S01				
207	U035	200	K	S01				
208	U036	200	K	S01				
209	U037	200	K	S01				
210	U038	200	K	S01				
211	U039	200	K	S01				
212	U040	200	K	S01				
213	U041	200	K	S01				
214	U042	200	K	S01				
215	U043	200	K	S01				
216	U044	200	K	S01				
217	U045	200	K	S01				
218	U046	200	K	S01				
219	U047	200	K	S01				
20	U048	200	K	S01				
221	U049	200	K	S01				
222	U050	200	K	S01				
223	U051	200	K	S01				
224	U052	200	K	S01				

225	U053	200	K	S01				
226	U054	200	K	S01				
227	U055	200	K	S01				
228	U056	200	K	S01				
229	U057	200	K	S01				
230	U058	200	K	S01				
231	U059	200	K	S01				
232	U060	200	K	S01				
233	U061	200	K	S01				
234	U062	200	K	S01				
235	U063	200	K	S01				
236	U064	200	K	S01				
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330	U158	200	K	S01				

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331	U159	200	K	S01				
332	U160	200	K	S01				
33	U161	200	K	S01				
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430	WT02	20,000	K	S01				
431	WSC2	5,000	K	S01				
432								
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439								
440								

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

The wastes to be stored at the 305-B Storage Facility consists of listed wastes, wastes from nonspecific sources, characteristic wastes, and state-only (special) wastes.

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 *(arial 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 drawing(s) and photograph(s).**

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 NO. *(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)*	SIGNATURE	DATE SIGNED
John D. Wagoner, Manager U.S. Department of Energy Richland Operations Office	Edward S. Goldberg (original signed 12/20/90)	07/07/1998

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)*	SIGNATURE	DATE SIGNED
SEE ATTACHMENT		

X. OPERATOR CERTIFICATION

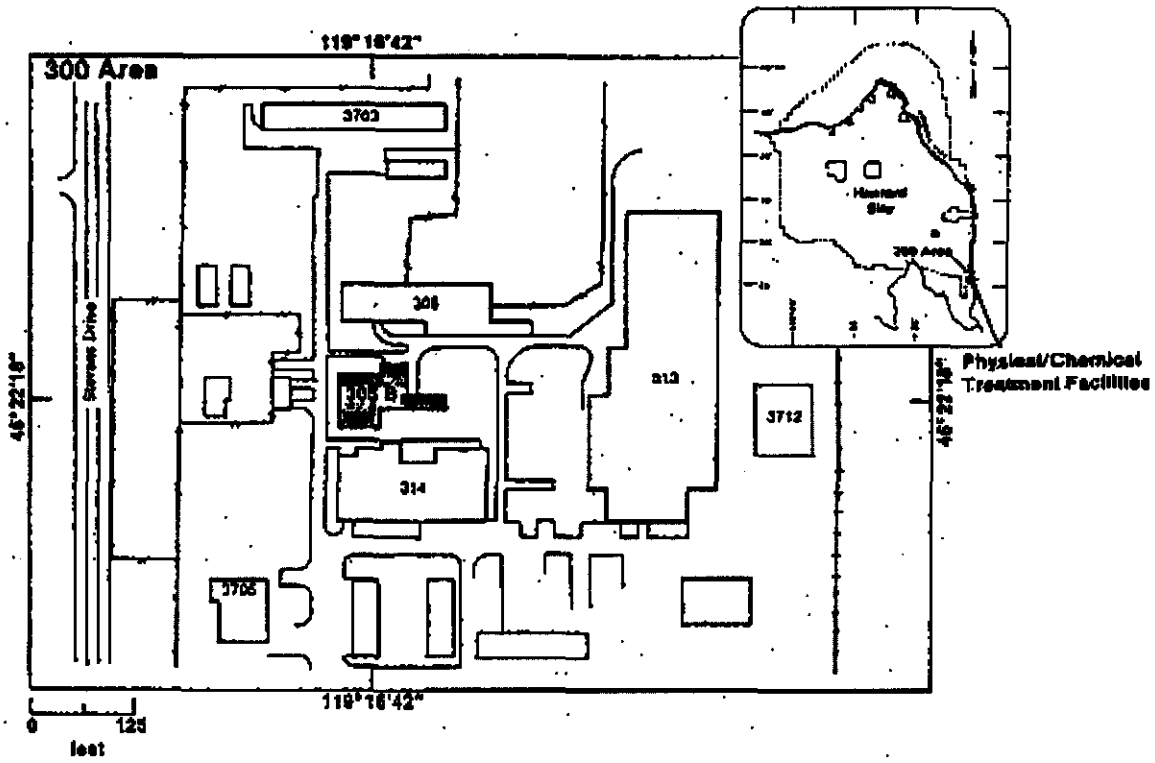
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true,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

Edward S. Goldberg (original signed 12/20/90) 7/7/98
Owner/Operator Date
John D. Wagoner, Manager
U.S. Department of Energy
Richland Operations Office

William R. Wiley (original signed 12/6/90) 6/16/98
Co-Operator Date
William R. Wiley, Director
Pacific Northwest laboratory

305-B Storage Facility

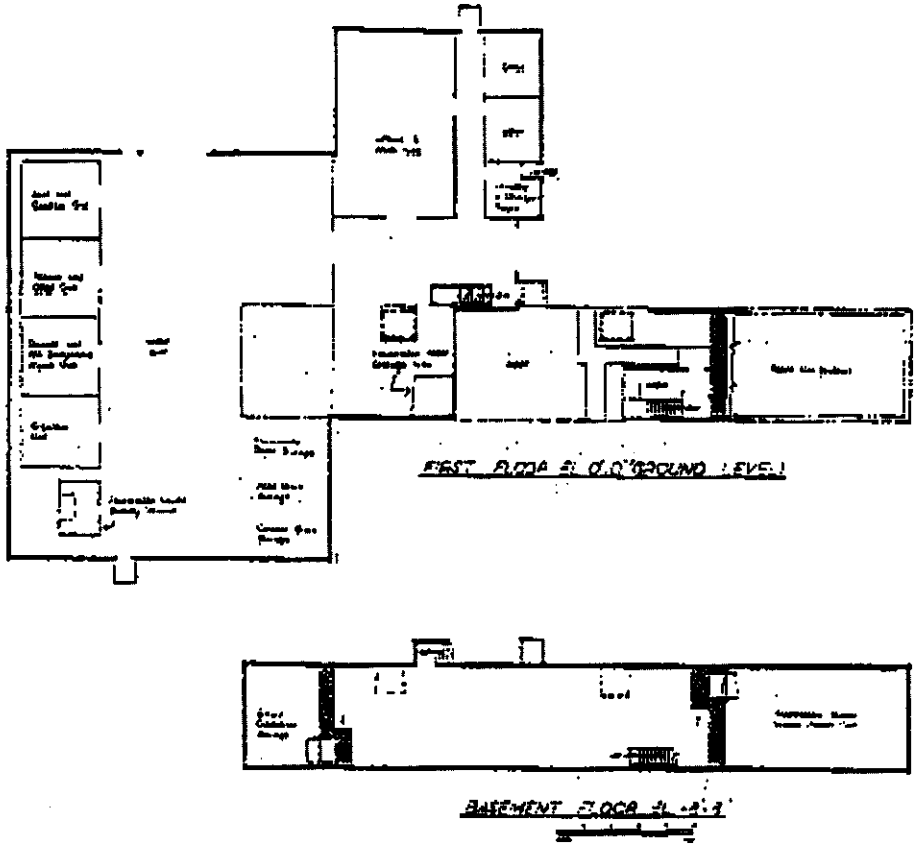
Site Plan



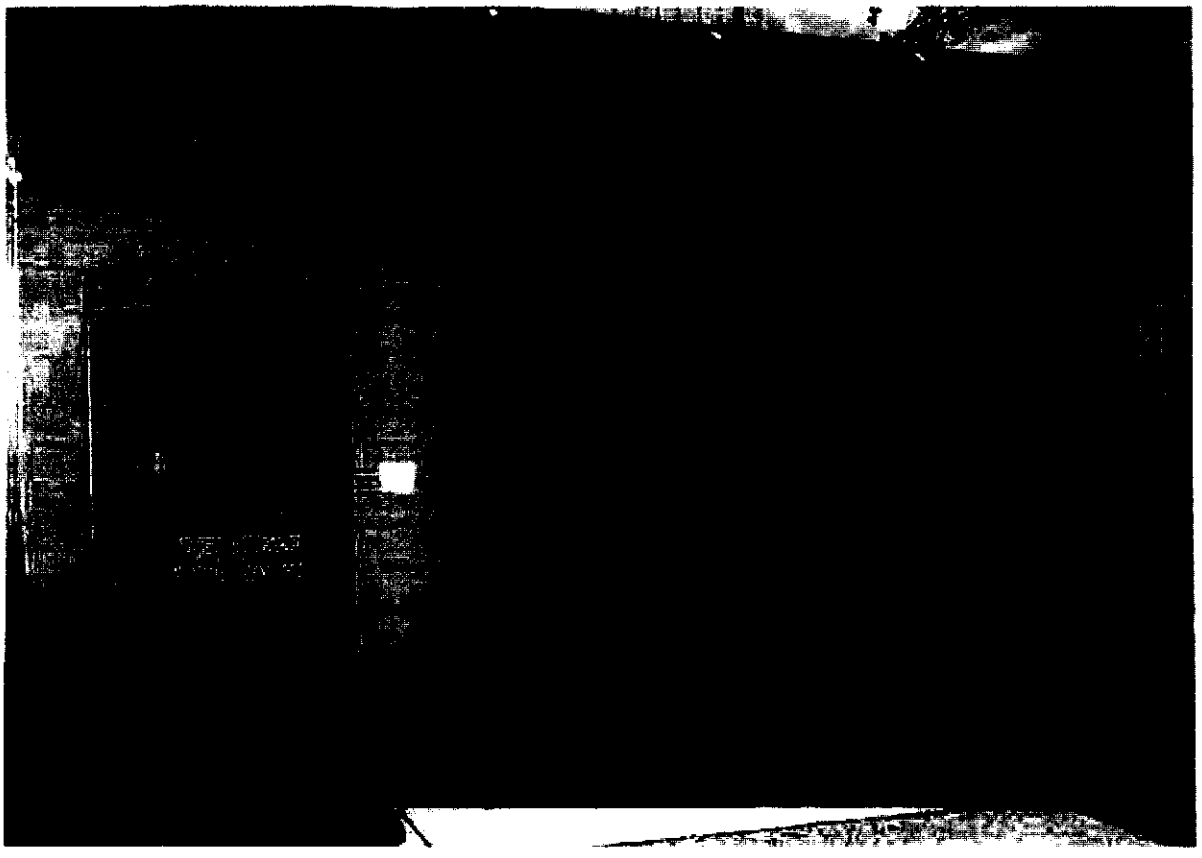
78804-120.12

305-B Storage Facility

Floor Plans



305-B STORAGE FACILITY

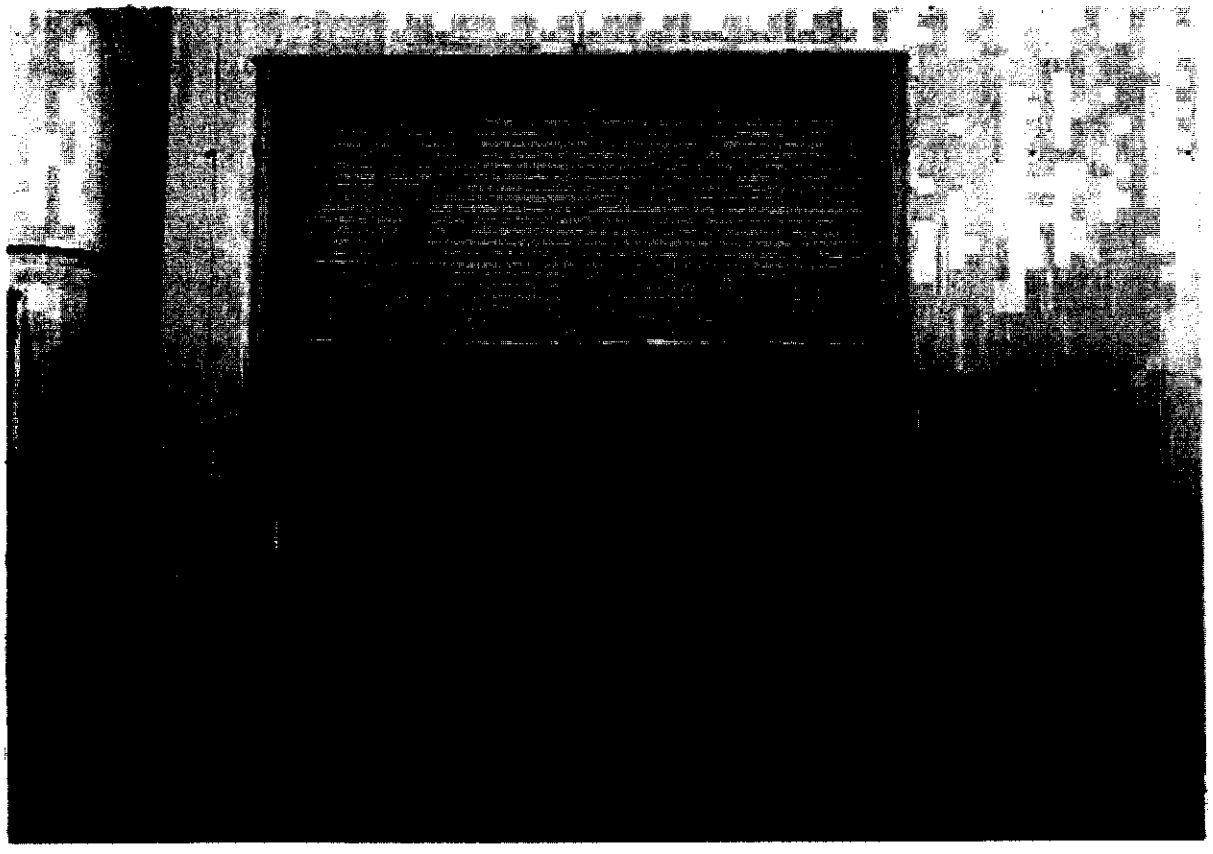


View Looking West

46°22'18"
119°16'42"

88A907-8CN
(PHOTO TAKEN 1988)

305-B STORAGE FACILITY



View Looking South
46°22'18"
119°16'42"

88A907-1CN
(PHOTO TAKEN 1988)

Dangerous Waste Permit Application
88-21 Part A

DOE/RL-88-21
Contents

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

CONTENTS

TSD Unit Name	Rev.	Date Submitted	Ecology Response Date
1.0 INTRODUCTION			
2.0 PERMITTING STATUS FOR DANGEROUS WASTE TREATMENT, STORAGE, AND/OR DISPOSAL UNITS			
3.0 FORM 1 - DANGEROUS WASTE PERMIT APPLICATION			
3.1.1 FORM 1 - FDH	3		
3.1.2 FORM 1 - PNL	1		
3.1.3 FORM 1 - BHI	0		
3.1.4 FORM 1 - CHG	1		
4.0 FORM 3 - DANGEROUS WASTE PERMIT APPLICATION			
4.1 100 AREA FACILITIES			
4.1.1 Treatment Facilities			
4.1.1.1 1324-N Surface Impoundment	3	06/30/1994	05/18/99
4.1.1.2 105-DR Large Sodium Fire Facility PARTIAL CLOSURE PLAN COMPLETED, 10/01/96	4	05/10/1998	05/10/98
4.1.1.3 1706-KE Waste Treatment System	3	09/26/1996	Pending
4.1.1.4 183-H Solar Evaporation Basins	4	06/30/1994	08/18/94
4.1.2 Disposal Facilities			
4.1.2.1 1301-N Liquid Waste Disposal Facility	7	02/25/1997	05/18/99
4.1.2.2 1325-N Liquid Waste Disposal Facility	7	02/25/1997	05/18/99
4.1.2.3 1324-NA Percolation Pond	3	06/30/1994	05/18/99
4.1.2.4 100-D Ponds CLOSED 08/09/99	4	06/30/1994	08/09/99
4.2 200 AREA FACILITIES			
4.2.1 Treatment Facilities			
4.2.1.1 221-T Test Facility	3	09/26/1996	02/22/99

	CLOSED 02/22/99			
4.2.1.2	200 West Area Ash Pit Demolition Site CLEAN CLOSED, 11/28/95	4	11/04/1994	11/28/95
4.2.1.3	218-E-8 Borrow Pit Demolition Site CLEAN CLOSED, 11/28/95	4	11/04/1994	11/04/94
4.2.1.4	242-A Evaporator	7	09/26/1996	10/16/96
4.2.1.5	Grout Treatment Facility	6	09/30/1999	11/01/99
4.2.1.5	Grout Treatment Facility	7	12/21/1999	Pending
4.2.1.6	T Plant Complex	8	02/05/2001	05/15/01
4.2.1.7	241-Z Treatment and Storage Tanks	6	05/05/2000	07/05/00
4.2.1.8	B Plant Complex	8	11/22/1999	11/22/99
4.2.1.9	222-S Laboratory Complex	9	03/08/2001	03/19/01
4.2.1.10	204-AR Waste Unloading Station	5	09/30/1999	10/21/99
4.2.1.10	204-AR Waste Unloading Station	6	12/21/1999	Pending
4.2.1.11	PUREX Plant	9	08/04/1999	08/19/99
4.2.1.12	Hanford Waste Vitrification Plant	5	09/26/1996	Pending
4.2.1.12	Hanford Waste Vitrification Plant	6	09/30/1999	Denied
4.2.1.13	200 Area Effluent Treatment Facility	3	05/22/1998	05/18/99
4.2.1.14	Waste Receiving and Processing Facility	1	09/26/1996	03/12/97
4.2.1.14	Waste Receiving and Processing Facility	3	06/28/1999	Pending
4.2.1.15	Plutonium Finishing Plant Treatment Unit	1	04/10/2000	06/09/00
4.2.1.15	Plutonium Finishing Plant Treatment and Storage Unit	2	07/05/2000	Denied
4.2.1.16	Waste Treatment Plant	1	11/28/2001	Pending
4.2.2	Storage Facilities			
4.2.2.1	2727-S Storage Facility CLEAN CLOSED, 07/31/95	2	11/16/1987	07/31/95
4.2.2.2	Double-Shell Tank System	9	09/30/1999	10/21/99
4.2.2.2	Double-Shell Tank System	10	12/21/1999	Pending
4.2.2.3	Hexone Storage and Treatment Facility	3	06/30/1994	Pending
4.2.2.4	2727-WA SRE Sodium Storage Building CLOSED 02/22/99	1	09/26/1996	02/22/99
4.2.2.5	PUREX Storage Tunnels	5A	09/26/2000	12/12/00
4.2.2.6	224-T Transuranic Waste Storage and Assay Facility	6	09/26/1996	11/06/96
4.2.2.7	Central Waste Complex	4	09/26/1996	02/18/97
4.2.2.7	Central Waste Complex	6	06/28/1999	Pending
4.2.2.8	Single-Shell Tank System	6	12/21/1999	Pending
4.2.2.8	Single-Shell Tank System	7	10/29/2001	Denied
4.2.2.9	207-A South Retention Basin	2	09/26/1996	Pending
4.2.2.10	Liquid Effluent Retention Facility	6	05/22/1998	05/18/99
4.2.2.11	241-CX Tank System	3	06/30/1994	Pending
4.2.2.12	Waste Encapsulation and Storage Facility	2	10/03/2001	12/06/01
4.2.2.13	IHLW Interim Storage Unit	0	06/28/1999	07/28/99

4.2.3 Disposal Facilities

4.2.3.1	Low-Level Burial Grounds	9	03/04/1997	03/06/97
4.2.3.1	Low-Level Burial Grounds	11	12/23/1998	Denied
4.2.3.2	216-S-10 Pond and Ditch	3	06/30/1994	10/30/00
4.2.3.3	2101-M Pond CLEAN CLOSED, 11/28/95	2	11/16/1987	11/28/95
4.2.3.4	216-A-29 Ditch	3	06/30/1994	10/30/00
4.2.3.5	216-B-3 Main Pond	6	03/30/2000	Pending
4.2.3.6	216-B-63 Trench	5	11/22/1999	10/30/00
4.2.3.7	216-A-10 Crib	3	06/30/1994	Pending
4.2.3.8	216-U-12 Crib	3	06/30/1994	Pending
4.2.3.9	216-A-36B Crib	1	06/30/1994	Pending
4.2.3.10	216-A-37-1 Crib	2	06/30/1994	Pending
4.2.3.11	216-B-3 Expansion Ponds CLEAN CLOSED, 07/31/95	0	12/16/1993	07/31/95

4.3 300 AREA FACILITIES

4.3.1 Treatment Facilities

4.3.1.1	3718-F Alkali Metal Treatment and Storage Area CLEAN CLOSED, 08/04/98	4	09/26/1996	08/04/98
4.3.1.2	324 Pilot Plant CLOSED 06/09/97	3	05/19/1988	06/09/97
4.3.1.3	304 Concretion Facility CLEAN CLOSED, 1/21/96	4	06/21/1990	01/21/96
4.3.1.4	300 Area Solvent Evaporator CLEAN CLOSED, 07/31/95	4	03/27/1990	07/31/95
4.3.1.5	300 Area Waste Acid Treatment System	5	09/26/1996	Pending
4.3.1.6	303-M Oxide Facility	1	09/26/1996	Pending
4.3.1.7	325 Hazardous Waste Treatment Units	4A	06/29/2000	08/18/00
4.3.1.8	Biological Treatment Test Facilities CLOSED 12/10/96	0	05/19/1988	12/10/96
4.3.1.9	Physical and Chemical Treatment Test Facilities CLOSED 05/13/96	1	08/13/1991	05/13/96
4.3.1.10	Thermal Treatment Test Facilities CLOSED 05/13/96	0	05/19/1988	05/13/96

4.3.2 Storage Facilities

4.3.2.1	311 Tanks	1	11/16/1987	Pending
4.3.2.2	303-K Storage Facility	5	09/26/1996	02/25/98
4.3.2.3	305-B Storage Facility	1A	07/07/1998	07/20/98
4.3.2.4	332 Storage Facility CLOSED 04/21/97	0	05/19/1988	04/21/97

4.3.3 Disposal Facilities

4.3.3.1	300 Area Process Trenches	4	05/25/1995	Pending

4.4 400 AREA FACILITIES

4.4.1 Treatment Facilities

4.4.1.1	437 Maintenance and Storage Facility	3	09/26/1996	Pending

4.4.2 Storage Facilities

4.4.2.1	4843 Alkali Metal Storage Facility CLEAN CLOSED, 04/14/97	3	09/26/1996	04/14/97
4.4.2.2	Sodium Storage Facility and Sodium Reaction Facility	1	09/26/1996	Pending

4.5 600 AREA FACILITIES

4.5.1 Treatment Facilities

4.5.1.1	Hanford Patrol Academy Demolition Sites CLEAN CLOSED, 11/28/95	4	12/15/1994	11/28/95

4.5.2 Storage Facilities

4.5.2.1	616 Nonradioactive Dangerous Waste Storage Facility CLEAN CLOSED, 09/05/01	7	03/04/1997	09/05/01
4.5.2.2	600 Area Purgewater Storage and Treatment Facility	3	09/11/1998	Pending

4.5.3 Disposal Facilities

4.5.3.1	Nonradioactive Dangerous Waste Landfill	4	06/30/1994	Pending

4.6 3000 AREA FACILITIES

4.6.1 Treatment Facilities

4.6.1.1	Simulated High-Level Waste Slurry Treatment /Storage CLEAN CLOSED, 09/06/95	2	08/12/1994	09/06/95

Download - Blank Part A, Form 3 (Word 2000 format)

DISCLAIMER

This information has been formatted to be Internet viewable and is a facsimile of the official information. Copies of the official information are available in the Hanford Public Information Repositories.

DOE/RL-88-21
616 Nonradioactive Dangerous Waste Storage Facility
Rev. 7, 3/4/97

Please print or type in the unshaded areas only
(1-in areas are spaced for elite type, i.e. 12 characterinch).

FORM 3

DANGEROUS WASTE PERMIT APPLICATION

I. EPA/STATE I.D. NUMBER: WA789000896 7

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED (mo., day, & yr.)	COMMENTS
		CLEAN CLOSED, 09/05/01

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. PROCESS - CODES AND 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 (Section 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	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	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

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: 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		

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.

	A. PROCESS	B. PROCESS DESIGN CAPACITY	

LINE NUMBER	CODE *(from list above)*	1. AMOUNT *(specify)*	2. UNIT OF MEASURE *(enter code)*	FOR OFFICIAL USE ONLY			
X-1	*S02*	*600*	*G*				
X-2	*T03*	*20*	*E*				
1	S01	108,395	L				
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.

S01

The 616 Nonradioactive Dangerous Waste Storage Facility (616 NRDWSF) began waste management operations in September of 1986. The 616 NRDWSF is located between the 200 East and 200 West Areas of the Hanford Facility. The 616 NRDWSF provides container storage for nonradioactive dangerous waste generated in the research and development laboratories, process operations, construction, waste site cleanup/remediation, environmental monitoring, maintenance, and transportation functions throughout the Hanford Facility and approved offsite facilities. Waste is only stored at the 616 NRDWSF until arrangements can be made to ship the waste to an offsite treatment, storage, and/or disposal facility. The 616 NRDWSF stores nonradioactive dangerous waste in containers that meet U.S. Department of Transporatation or equivalent requirements.

The maximum process design capacity for container storage at the 616 NRDWSF is 108,395 liters (28,635 gallons).

V. DESCRIPTION OF DANGEROUS WASTES

A. *DANGEROUS WASTE NUMBER - Enter the four 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 describe 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 measuer 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. 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. DANGEROUS 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	K054	900	P	T03	D80			
X-2	D002	400	P	T03	D80			
X-3	D001	100	P	T03	D80			
X-4	D002			T03	D80			included with above
1	D001	65,000	K	S01				Storage - Container
2	D002	50,000	K	S01				Storage - Container
3	D003	5,000	K	S01				Storage - Container
4	D004		↓	↓				↓
5	D005		↓	↓				Included with above
6	D006	20,000	K	S01				Storage - Container
7	D007	35,000	K	S01				Storage - Container
8	D008	30,000	K	S01				Storage - Container
9	D009	17,000	K	S01				Storage - Container
10	D010	5,000	K	S01				Storage - Container
11	D011		↓	↓				↓
12	D012		↓	↓				↓

13	D013		↓	↓				↓
14	D014		↓	↓				↓
15	D015		↓	↓				↓
16	D016		↓	↓				↓
17	D017		↓	↓				↓
18	D018		↓	↓				↓
19	D019		↓	↓				↓
20	D020		↓	↓				↓
21	D021		↓	↓				↓
22	D022		↓	↓				↓
23	D023		↓	↓				↓
24	D024		↓	↓				↓
25	D025		↓	↓				↓
26	D026		↓	↓				↓
27	D027		↓	↓				↓
28	D028		↓	↓				↓
29	D029		↓	↓				↓
30	D030		↓	↓				↓
31	D031		↓	↓				↓
32	D032		↓	↓				↓
33	D033		↓	↓				↓
34	D034		↓	↓				↓
35	D035		↓	↓				↓
36	D036		↓	↓				↓
37	D037		↓	↓				↓
38	D038		↓	↓				↓
39	D039		↓	↓				↓
40	D040		↓	↓				↓
41	D041		↓	↓				↓
42	D042		↓	↓				↓
43	D043		↓	↓				Included with above
44	WSC2	1,000	K	S01				Storage - Container
45	WP01	24,000	K	S01				Storage - Container
46	WP02	5,000	K	S01				Storage - Container
47	WP03	4,000	K	S01				Storage - Container
48	WT01	80,000	K	S01				Storage - Container
49	WT02	114,000	K	S01				Storage - Container
50	F001	4,000	K	S01				Storage - Container
51	F002	13,000	K	S01				Storage - Container
52	F003	26,000	K	S01				Storage - Container
53	F004	3,000	K	S01				Storage - Container
54	F005	26,000	K	S01				Storage - Container
55	F006	500	K	S01				Storage - Container
56	F007		↓	↓				↓
57	F008		↓	↓				↓
58	F009		↓	↓				↓
59	F010		↓	↓				↓
60	F011		↓	↓				↓
61	F012		↓	↓				↓
62	F019		↓	↓				↓
63	F020		↓	↓				↓
64	F021		↓	↓				↓
65	F022		↓	↓				↓

66	F023		↓	↓				↓
67	F024		↓	↓				↓
68	F025		↓	↓				↓
69	F026		↓	↓				Included with above
70	F027	800	K	S01				Storage - Container
71	F028	500	K	S01				Storage - Container
72	W001	2,500	K	S01				Storage - Container
73	P001	500	K	S01				Storage - Container
74	P002		↓	↓				↓
75	P003		↓	↓				↓
76	P004		↓	↓				↓
77	P005		↓	↓				↓
78	P006		↓	↓				↓
79	P007		↓	↓				↓
80	P008		↓	↓				↓
81	P009		↓	↓				↓
82	P010		↓	↓				↓
83	P011		↓	↓				↓
84	P012		↓	↓				↓
85	P013		↓	↓				↓
86	P014		↓	↓				↓
87	P015		↓	↓				↓
88	P016		↓	↓				↓
89	P017		↓	↓				↓
90	P018		↓	↓				↓
91	P020		↓	↓				↓
92	P021		↓	↓				↓
93	P022		↓	↓				↓
94	P023		↓	↓				↓
95	P024		↓	↓				↓
96	P026		↓	↓				↓
97	P027		↓	↓				↓
98	P028		↓	↓				↓
99	P029		↓	↓				↓
100	P030		↓	↓				↓
101	P031		↓	↓				↓
102	P033		↓	↓				↓
103	P034		↓	↓				↓
104	P036		↓	↓				↓
105	P037		↓	↓				↓
106	P038		↓	↓				↓
107	P039		↓	↓				↓
108	P040		↓	↓				↓
109	P041		↓	↓				↓
110	P042		↓	↓				↓
111	P043		↓	↓				↓
112	P044		↓	↓				↓
113	P045		↓	↓				↓
114	P046		↓	↓				↓
115	P047		↓	↓				↓
116	P048		↓	↓				↓
117	P049		↓	↓				↓
118	P050		↓	↓				↓

119	P051		↓	↓				↓
120	P054		↓	↓				↓
21	P056		↓	↓				↓
122	P060		↓	↓				↓
123	P062		↓	↓				↓
124	P063		↓	↓				↓
125	P064		↓	↓				↓
126	P065		↓	↓				↓
127	P066		↓	↓				↓
128	P067		↓	↓				↓
129	P068		↓	↓				↓
130	P069		↓	↓				↓
131	P070		↓	↓				↓
132	P071		↓	↓				↓
133	P072		↓	↓				↓
134	P073		↓	↓				↓
135	P074		↓	↓				↓
136	P075		↓	↓				↓
137	P076		↓	↓				↓
138	P077		↓	↓				↓
139	P078		↓	↓				↓
140	P081		↓	↓				↓
141	P082		↓	↓				↓
142	P084		↓	↓				↓
143	P085		↓	↓				↓
44	P087		↓	↓				↓
145	P088		↓	↓				↓
146	P089		↓	↓				↓
147	P092		↓	↓				↓
148	P093		↓	↓				↓
149	P094		↓	↓				↓
150	P095		↓	↓				↓
151	P096		↓	↓				↓
152	P097		↓	↓				↓
153	P098		↓	↓				↓
154	P099		↓	↓				↓
155	P101		↓	↓				↓
156	P102		↓	↓				↓
157	P103		↓	↓				↓
158	P104		↓	↓				↓
159	P105		↓	↓				↓
160	P106		↓	↓				↓
161	P107		↓	↓				↓
162	P108		↓	↓				↓
163	P109		↓	↓				↓
164	P110		↓	↓				↓
165	P111		↓	↓				↓
166	P112		↓	↓				↓
67	P113		↓	↓				↓
168	P114		↓	↓				↓
169	P115		↓	↓				↓
170	P116		↓	↓				↓
171	P118		↓	↓				↓

172	P119		↓	↓				↓
173	P120		↓	↓				↓
174	P121		↓	↓				↓
175	P122		↓	↓				↓
176	P123		↓	↓				↓
177	U001		↓	↓				Included with above
178	U002	1,000	K	S01				Storage - Container
179	U003	1,000	K	S01				Storage - Container
180	U004	500	K	S01				Storage - Container
181	U005		↓	↓				↓
182	U006		↓	↓				↓
183	U007		↓	↓				↓
184	U008		↓	↓				↓
185	U009		↓	↓				↓
186	U010		↓	↓				↓
187	U011		↓	↓				↓
188	U012		↓	↓				↓
189	U014		↓	↓				↓
190	U015		↓	↓				↓
191	U016		↓	↓				↓
192	U017		↓	↓				↓
193	U018		↓	↓				↓
194	U019		↓	↓				↓
195	U020		↓	↓				↓
196	U021		↓	↓				↓
197	U022		↓	↓				↓
198	U023		↓	↓				↓
199	U024		↓	↓				↓
200	U025		↓	↓				↓
201	U026		↓	↓				↓
202	U027		↓	↓				↓
203	U028		↓	↓				↓
204	U029		↓	↓				↓
205	U030		↓	↓				↓
206	U031		↓	↓				Included with above
207	U032	1,000	K	S01				Storage - Container
208	U033	500	K	S01				Storage - Container
209	U034		↓	↓				↓
210	U035		↓	↓				↓
211	U036		↓	↓				↓
212	U037		↓	↓				↓
213	U038		↓	↓				↓
214	U039		↓	↓				↓
215	U041		↓	↓				↓
216	U042		↓	↓				↓
217	U043		↓	↓				Included with above
218	U044	1,000	K	S01				Storage - Container
219	U045	500	K	S01				Storage - Container
220	U046		↓	↓				↓
221	U047		↓	↓				↓
222	U048		↓	↓				↓
223	U049		↓	↓				↓
224	U050		↓	↓				Included with above

225	U051	2,000	K	S01				Storage - Container
226	U052	500	K	S01				Storage - Container
227	U053		↓	↓				↓
228	U055		↓	↓				↓
229	U056		↓	↓				↓
230	U057		↓	↓				↓
231	U058		↓	↓				↓
232	U059		↓	↓				↓
233	U060		↓	↓				↓
234	U061		↓	↓				↓
235	U062		↓	↓				↓
236	U063		↓	↓				↓
237	U064		↓	↓				↓
238	U066		↓	↓				↓
239	U067		↓	↓				↓
240	U068		↓	↓				↓
241	U069		↓	↓				↓
242	U070		↓	↓				↓
243	U071		↓	↓				↓
244	U072		↓	↓				↓
245	U073		↓	↓				↓
246	U074		↓	↓				↓
247	U075		↓	↓				↓
248	U076		↓	↓				↓
249	U077		↓	↓				↓
250	U078		↓	↓				↓
251	U079		↓	↓				↓
252	U080		↓	↓				↓
253	U081		↓	↓				↓
254	U082		↓	↓				↓
255	U083		↓	↓				↓
256	U084		↓	↓				↓
257	U085		↓	↓				↓
258	U086		↓	↓				↓
259	U087		↓	↓				↓
260	U088		↓	↓				↓
261	U089		↓	↓				↓
262	U090		↓	↓				↓
263	U091		↓	↓				↓
264	U092		↓	↓				↓
265	U093		↓	↓				↓
266	U094		↓	↓				↓
267	U095		↓	↓				↓
268	U096		↓	↓				↓
269	U097		↓	↓				↓
270	U098		↓	↓				↓
271	U099		↓	↓				↓
272	U101		↓	↓				↓
273	U102		↓	↓				↓
274	U103		↓	↓				↓
275	U105		↓	↓				↓
276	U106		↓	↓				↓
277	U107		↓	↓				↓

278	U108		↓	↓				↓
279	U109		↓	↓				↓
280	U110		↓	↓				↓
281	U111		↓	↓				↓
282	U112		↓	↓				↓
283	U113		↓	↓				↓
284	U114		↓	↓				↓
285	U115		↓	↓				↓
286	U116		↓	↓				↓
287	U117		↓	↓				↓
288	U118		↓	↓				↓
289	U119		↓	↓				↓
290	U120		↓	↓				↓
291	U121		↓	↓				↓
292	U122		↓	↓				↓
293	U123		↓	↓				↓
294	U124		↓	↓				↓
295	U125		↓	↓				↓
296	U126		↓	↓				↓
297	U127		↓	↓				↓
298	U128		↓	↓				↓
299	U129		↓	↓				↓
300	U130		↓	↓				↓
301	U131		↓	↓				↓
302	U132		↓	↓				Included with above
303	U133	2,000	K	S01				Storage - Container
304	U134	1,000	K	S01				Storage - Container
305	U135	500	K	S01				Storage - Container
306	U136		↓	↓				↓
307	U137		↓	↓				↓
308	U138		↓	↓				↓
309	U140		↓	↓				↓
310	U141		↓	↓				↓
311	U142		↓	↓				↓
312	U143		↓	↓				↓
313	U144		↓	↓				Included with above
314	U145	1,000	K	S01				Storage - Container
315	U146	500	K	S01				Storage - Container
316	U147		↓	↓				↓
317	U148		↓	↓				↓
318	U149		↓	↓				↓
319	U150		↓	↓				Included with above
320	U151	3,000	K	S01				Storage - Container
321	U152	500	K	S01				Storage - Container
322	U153	500	K	S01				Storage - Container
323	U154	1,000	K	S01				Storage - Container
324	U155	500	K	S01				Storage - Container
325	U156		↓	↓				↓
326	U157		↓	↓				↓
327	U158		↓	↓				↓
328	U159		↓	↓				↓
329	U160		↓	↓				↓
330	U161		↓	↓				↓

331	U162		↓	↓				↓
332	U163		↓	↓				↓
33	U164		↓	↓				↓
334	U165		↓	↓				↓
335	U166		↓	↓				↓
336	U167		↓	↓				↓
337	U168		↓	↓				↓
338	U169		↓	↓				↓
339	U170		↓	↓				↓
340	U171		↓	↓				↓
341	U172		↓	↓				↓
342	U173		↓	↓				↓
343	U174		↓	↓				↓
344	U176		↓	↓				↓
345	U177		↓	↓				↓
346	U178		↓	↓				↓
347	U179		↓	↓				↓
348	U180		↓	↓				↓
349	U181		↓	↓				↓
350	U182		↓	↓				↓
351	U183		↓	↓				↓
352	U184		↓	↓				↓
353	U185		↓	↓				↓
354	U186		↓	↓				↓
355	U187		↓	↓				↓
56	U188		↓	↓				↓
357	U189		↓	↓				↓
358	U190		↓	↓				↓
359	U191		↓	↓				↓
360	U192		↓	↓				↓
361	U193		↓	↓				↓
362	U194		↓	↓				↓
363	U196		↓	↓				↓
364	U197		↓	↓				↓
365	U200		↓	↓				↓
366	U201		↓	↓				↓
367	U202		↓	↓				↓
368	U203		↓	↓				↓
369	U204		↓	↓				↓
370	U205		↓	↓				↓
371	U206		↓	↓				↓
372	U207		↓	↓				↓
373	U208		↓	↓				↓
374	U209		↓	↓				↓
375	U210		↓	↓				↓
376	U211		↓	↓				↓
377	U212		↓	↓				↓
378	U213		↓	↓				↓
79	U214		↓	↓				↓
380	U215		↓	↓				↓
381	U216		↓	↓				↓
382	U217		↓	↓				↓
383	U218		↓	↓				↓

384	U219		↓	↓				↓
385	U220		↓	↓				↓
386	U221		↓	↓				↓
387	U222		↓	↓				Included with above
388	U223	1,500	K	S01				Storage - Container
389	U225	1,500	K	S01				Storage - Container
390	U226	3,000	K	S01				Storage - Container
391	U227	500	K	S01				Storage - Container
392	U228	1,000	K	S01				Storage - Container
393	U232	500	K	S01				Storage - Container
394	U233	500	K	S01				Storage - Container
395	U234	500	K	S01				Storage - Container
396	U235	1,000	K	S01				Storage - Container
397	U236	1,000	K	S01				Storage - Container
398	U237	1,000	K	S01				Storage - Container
399	U238	500	K	S01				Storage - Container
400	U239	1,000	K	S01				Storage - Container
401	U240	5,000	K	S01				Storage - Container
402	U243	500	K	S01				Storage - Container
403	U244	1,000	K	S01				Storage - Container
404	U245	500	K	S01				Storage - Container
405	U246		↓	↓				↓
406	U247		↓	↓				↓
407	U248		↓	↓				↓
408	U249		↓	↓				↓
409	U328		↓	↓				↓
410	U353		↓	↓				↓
411	U359		↓	↓				Included With Above

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

The 616 NRDWSF is used for storage of nonradioactive dangerous waste generated on the Hanford Facility and approved offsite facilities. The waste could consist of listed waste, waste from nonspecific sources, characteristic waste, and state-only waste.

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 *(arial 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 drawing(s) and photograph(s).**

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 NO. *(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)*	SIGNATURE	DATE SIGNED
John D. Wagoner, Manager U.S. Department of Energy Richland Operations Office	John D. Wagoner	03/04/1997

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)*	SIGNATURE	DATE SIGNED
SEE ATTACHMENT		

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.

John D. Wagoner
Owner/Operator
John D. Wagoner, Manager
U.S. Department of Energy
Richland Operations Office

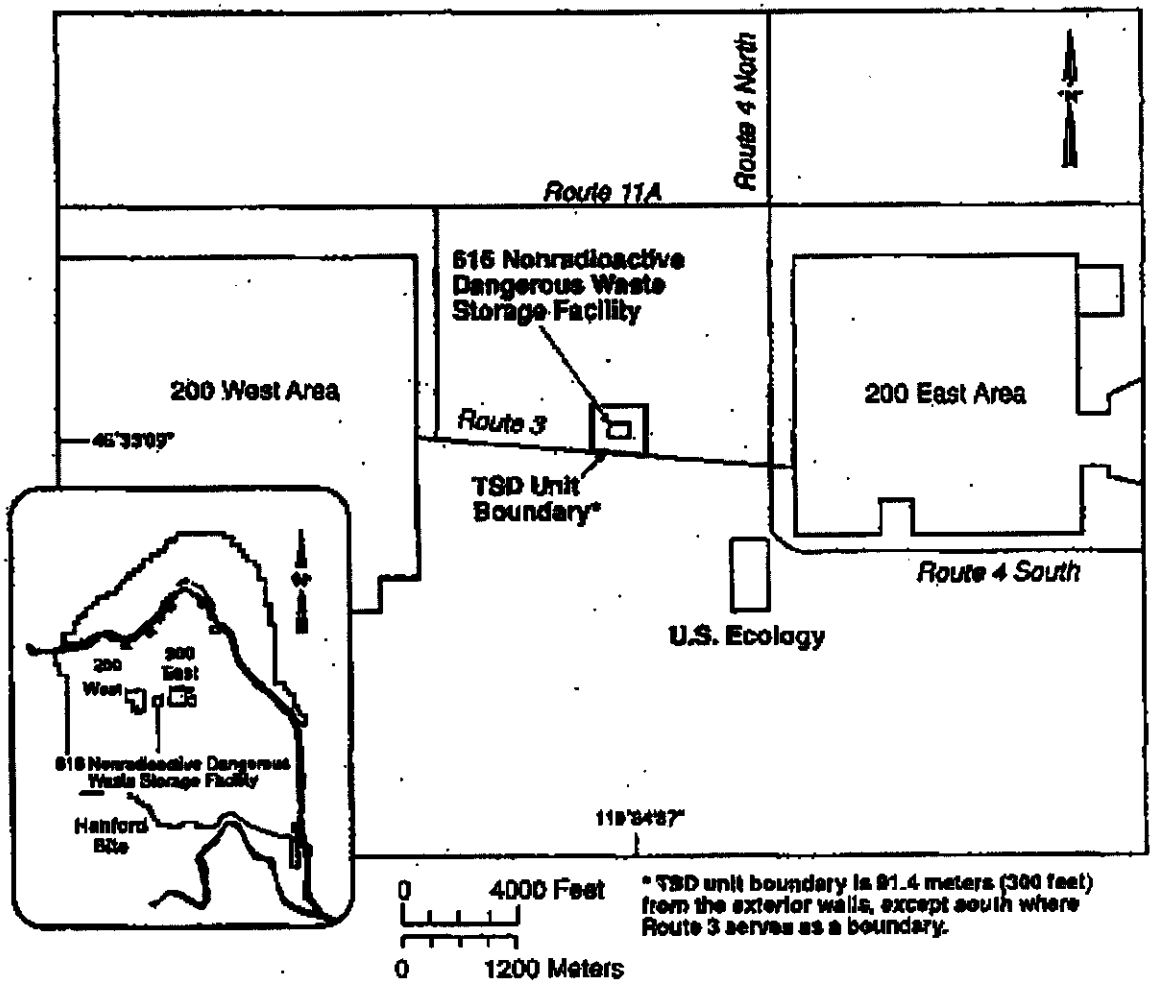
3/4/97
Date

H.J Hatch
Co-Operator
H. J. Hatch
President and Chief Executive Officer
Fluor Daniel Hanford, Inc.

3/3/97
Date

616 Nonradioactive Dangerous Waste Storage Facility

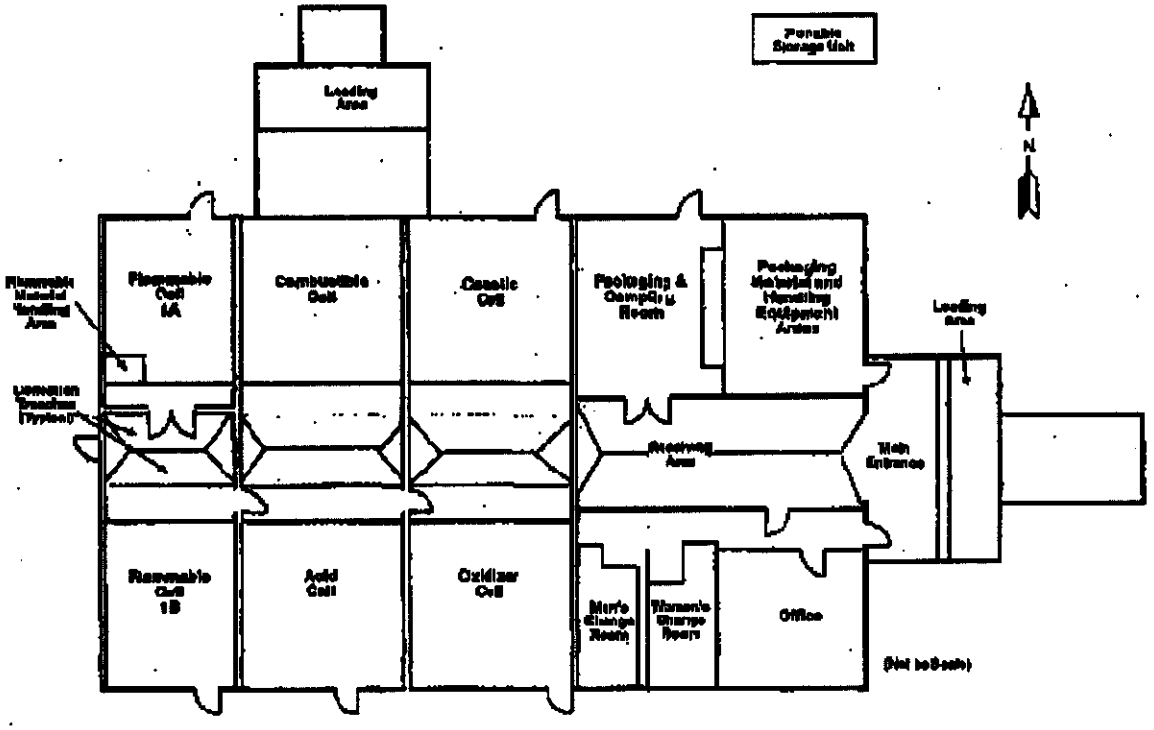
Site Plan



Note: To convert feet to meters, multiply by 0.3048.
To convert inches to centimeters, multiply by 2.54.

H96070161.8

616 Nonradioactive Dangerous Waste Storage Facility Floor Plan



H96070161.23

616 NONRADIOACTIVE DANGEROUS WASTE STORAGE FACILITY

46°33'09"
119°34'37"

8700742-42CN
(PHOTO TAKEN 1987)

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

FOR OFFICIAL USE ONLY

Application Approved	Date Received (month/ day / year)	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/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.

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
	S06	Cubic yards or cubic meters*
DISPOSAL:		
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
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; 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		

*Add per request of Washington State Department of Ecology (01/2001)

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 *(from list above)*			B. Process Design Capacity							
				1. Amount *(Specify)*	2. Unit of Measure *(enter code)*			For Official Use Only			
X-1	*S*	*0*	*2*	*600*		*G*					
X-2	*T*	*0*	*3*	*20*		*E*					
1											
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.

IV. DESCRIPTION OF DANGEROUS WASTES

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 odes 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. *(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))*
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*			*Included with above*

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

I.D. Number *(enter from page 1)*
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					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
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35					
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37					
38					
39					
40					
41					
42					

IV. DESCRIPTION OF DANGEROUS WASTE (continued)

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

V. FACILIITY 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)*	Signature	Date Signed
Keith A. Klein, Manager U.S. Department of Energy, Richland Operations Office		

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)*	Signature	Date Signed
See attachment		

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

Figures

UNIT

46°xx'xx"
119°xx'xx"

xxxxxxxx-xxx
(PHOTO TAKEN xxxx)