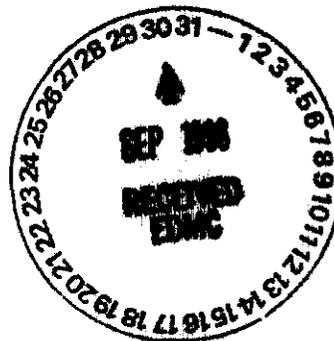


Date: September 1998			Copy No.: 145a			
To: D. A. Isom			Document No.: DOE/RL-88-21			
MSIN: H6-08			Title: HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION			
			Revision Release No.: Revision 21			
Section Number and Title	Remove			Insert		
	Page(s)	Rev.	Date	Page(s)	Rev.	Date
Volume 1						
Contents	1-3	20	05/98	1-3	21	09/98
4.1.1.2 105-DR Large Sodium Fire Facility	1-10	3	10/01/96	1-10	4	05/11/98
4.2.1.13 200 Area Effluent Treatment Facility	1-9	2	10/01/96	1-7	3	05/22/98
4.2.1.14 Waste Receiving and Processing Facility	1-20	1	10/01/96	1-17	2	05/22/98
Volume 2						
Contents	1-3	20	05/98	1-3	21	09/98
4.2.2.7 Central Waste Complex	1-27	4	10/01/96	1-29	5	05/22/98
4.2.2.10 Liquid Effluent Retention Facility	1-7	5	10/01/96	1-7	6	05/22/98
Volume 3						
Contents	1-3	20	05/98	1-3	21	09/98
4.3.1.1 3718-F Alkali Metal Treatment and Storage Area	1	4	10/01/98	1	4	Closed 05/04/98



Please update your manual with the attached pages, sign, date, and return this sheet. If you no longer require the document, please return the document, with this sheet, to the address below.

Name: DA Isom

Date: 9/30/98

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

Revision

VOLUME 1

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3.0	FORM 1 - DANGEROUS WASTE PERMIT APPLICATION		
4.0	FORM 3 - DANGEROUS WASTE PERMIT APPLICATION		
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4.1.1.2	105-DR Large Sodium Fire Facility	4	◆
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◆ = Revised this issue.

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

Revision

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♦ = Revised this issue.

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

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◆ = Revised this issue.

Permitting Status for Dangerous Waste Treatment, Storage, and/or Disposal Units.

Unit	Co-op ¹	Area ²	Unit type T=treatment S=storage D=disposal	Waste type M=mixed D=dangerous	Unit classification ³	Document type ⁴	Part A			Part B		Closure plan		Postclosure		Date closed
							Initial	Latest	Rev.	Latest	Rev.	Date	Rev.	Date	Rev.	
100 Area																
1324-N Surface Impoundment	BHI	100	T	D	7	2,3	08/01/86	06/30/94	3							
105-DR Large Sodium Fire Facility	FDH	100	TS	D	1,13,17	3	11/01/85	05/11/98	4			03/95	2			
1706-KE Waste Treatment System	FDH	100	TS	M	3,13	2	08/01/86	10/01/96	3							
183-H Solar Evaporation Basins	BHI	100	TS	M	3,4	4	11/01/85	06/30/94	4			06/30/94	4	06/97	0	
1301-N Liquid Waste Disposal Facility	BHI	100	D	M	11	2,3	08/01/86	02/25/97	7							
1325-N Liquid Waste Disposal Facility	BHI	100	D	M	11	2,3	02/01/87	02/25/97	7							
1324-NA Percolation Pond	BHI	100	TD	D	8,13	2,3	08/01/86	06/30/94	3							
100-D Ponds	BHI	100	TD	D	8,13	2,3	08/01/86	06/30/94	4			03/01/93	0			
200 Areas																
221-T Containment Systems Test Facility	FDH	200W	T	D	13	8	11/01/85	10/01/96	3							
200 West Area Ash Pit Demolition Site	Other	200W	T	D	13,15	2	11/01/85	11/04/94	4			10/06/94	1			10/26/95
218-E-8 Borrow Pit Demolition Site	Other	200E	T	D	13,15	2	11/01/85	11/04/94	4			10/21/94	1			10/26/95
242-A Evaporator	FDH	200E	TS	M	3,4	1	09/01/87	10/01/96	7	07/97	1					
Grout Treatment Facility	FDH	200E	TSD	M	3,4,7,11	12	09/01/87	10/01/96	5	07/24/92	2					
T Plant Complex	FDH	200W	TS	M	1,2,3,4,10,13	1	12/01/87	10/01/96	6	12/19/95	0					
241-Z Treatment and Storage Tanks	FDH	200W	TS	M	3,4	7	12/01/87	04/14/97	5			12/31/96	0			
B Plant Complex	FDH	200E	TS	M	1,3,4,10	7	12/01/87	10/01/96	5							
222-S Laboratory Complex	FDH	200W	TS	M	1,2,3,4	1	11/25/87	12/19/97	6	12/21/91	0					
204-AR Waste Unloading Station	FDH	200E	T	M	4	1	12/01/87	10/01/96	4							
PUREX Plant	FDH	200E	TS	M	3,4,10	7	12/01/87	10/01/96	8							

Permitting Status for Dangerous Waste Treatment, Storage, and/or Disposal Units.

Unit	Co-op ¹	Area ²	Unit type T=treatment S=storage D=disposal	Waste type M=mixed D=dangerous	Unit classification ³	Document type ⁴	Part A			Part B		Closure plan		Postclosure		Date closed
							Initial	Latest	Rev.	Latest	Rev.	Date	Rev.	Date	Rev.	
Hanford Waste Vitrification Plant	FDH	200E	TS	M	1,3,4,12,13	13	05/01/88	10/01/96	5	10/01/91	2					
200 Area Effluent Treatment Facility	FDH	200E	TS	M	1,3,4	1	06/26/91	05/11/98	3	07/97	0*					
Waste Receiving and Processing	FDH	200W	TS	M	1,2	1	01/25/95	05/22/98	2	05/22/98	1					
2727-S Storage Facility	Other	200W	S	D	1,15	2	11/01/85	11/16/87	2			10/07/92	3A			06/27/95
Double-Shell Tank System	FDH	200EW	TS	M	3,4	1	09/01/87	10/01/96	8	06/28/91	0					
Hexone Storage and Treatment Facility	BHI	200W	TS	M	1,3,4	2	12/01/87	06/30/94	3			11/24/92	0			
2727-WA SRE Sodium Storage Building	FDH	200W	S	M	1	8	12/01/87	10/01/96	1							
PUREX Storage Tunnels	FDH	200E	S	M	12	1	12/01/87	10/01/96	5	04/14/97	4					
224-T Transuranic Waste Storage and Assay Facility	FDH	200W	S	M	1	2	12/01/87	10/01/96	6	06/30/92	0					
Central Waste Complex	FDH	200W	TS	M	1,2	1	05/01/88	05/22/98	5	05/22/98	1					
Single-Shell Tank System	FDH	200EW	TS	M	3,4,5	11	02/01/88	10/01/96	4			09/30/89	Draft			
207-A South Retention Basin	FDH	200E	S	M	6,	6	02/26/90	10/01/96	2							
Liquid Effluent Retention Facility	FDH	200E	TS	M	6,7	1	02/26/90	05/22/98	6	07/97	0*					
241-CX Tank System	BHI	200E	S	M	3	6	07/10/90	06/30/94	3							
Waste Encapsulation and Storage Facility	FDH	200E	S	M	12	6	12/19/97	12/19/97	0							
Low-Level Burial Grounds	FDH	200EW	SD	M	1,11	1	11/01/85	07/25/97	10	07/97	1					
216-S-10 Pond and Ditch	BHI	200W	D	M	8	2,3	02/01/87	06/30/94	3				0			
2101-M Pond	Other	200E	D	D	8,15	2	08/01/86	11/16/87	2			07/01/94	2A			10/26/95
216-A-29 Ditch	BHI	200E	TD	M	8,13	2,3	08/01/86	06/30/94	3				0			
216-B-3 Main Pond	BHI	200E	TD	M	7,8	2,3	08/01/86	06/30/94	5							
216-B-63 Trench	FDH	200E	TD	M	7,8	2,3	08/01/86	10/01/96	3				0			
216-A-10 Crib	BHI	200E	D	M	11	2,3	08/01/87	06/30/94	3							

Permitting Status for Dangerous Waste Treatment, Storage, and/or Disposal Units.

Unit	Co-op ¹	Area ²	Unit type T=treatment S=storage D=disposal	Waste type M=mixed D=dangerous	Unit classification ³	Document type ⁴	Part A			Part B		Closure plan		Postclosure		Date closed
							Initial	Latest	Rev.	Latest	Rev.	Date	Rev.	Date	Rev.	
216-U-12 Crib	BHI	200W	D	M	11	2,3	08/01/87	06/30/94	3							
216-A-36B Crib	BHI	200E	D	M	11	2,3	02/01/88	06/30/94	1				0			
216-A-37-1 Crib	BHI	200E	D	M	11	2,3	02/26/90	06/30/94	2							
216-B-3 Expansion Ponds	Other	200E	TD	M	7,8,15	2	12/16/93	12/16/93	0			10/31/94	2			06/27/95
300 Area																
3718-F Alkali Metal Treatment and Storage Area	FDH	300	TS	M	1,4,13	2	11/01/85	10/01/96	4			11/20/95	2			08/04/98
324 Pilot Plant	PNNL	300	T	M	4,16	8	11/01/85	05/19/88	3							06/09/97
304 Concretion Facility	Other	300	TS	M	1,2,15	2	08/01/86	06/21/90	4			11/30/93	2			11/30/95
300 Area Solvent Evaporator	Other	300	TS	M	1,4,15	2	11/01/85	03/27/90	4			09/24/92	3B			06/27/95
300 Area Waste Acid Treatment System	FDH	300	TS	M	3,4,13	2	09/01/87	10/01/96	5			03/96	1			
303-M Oxide Facility	FDH	300	T	M	9	2	05/01/88	10/01/96	1							
325 Hazardous Waste Treatment Units	PNNL	300	TS	M	1,2,3,4	1	05/19/88	06/30/97	4	06/30/97	1					
Biological Treatment Test Facilities	PNNL	300	T	M	13,16	8	05/19/88	05/19/88	0							12/10/96
Physical & Chemical Treatment Test Facilities	PNNL	300	TS	M	1,13,16	8	05/19/88	06/14/91	1							05/13/96
Thermal Treatment Test Facilities	PNNL	300	T	M	13,16	8	05/19/88	05/19/88	0							05/13/96
311 Tanks (incorporated into 300 Area Waste Acid Treatment System, Rev. 3)	FDH	300														
303-K Storage Unit	FDH	300	S	M	1	2	08/01/87	10/01/96	5			12/17/93	2			
305-B Storage Facility	PNNL	300	S	M	1	1	05/19/88	12/20/90	1	04/03/92	2					
332 Storage Facility	PNNL	300	S	M	1,16	8	05/19/88	05/19/88	0							04/21/97
300 Area Process Trenches	BHI	300	D	M	8	4	11/01/85	05/25/95	4			05/25/95	4			

Permitting Status for Dangerous Waste Treatment, Storage, and/or Disposal Units.

Unit	Co-op ¹	Area ²	Unit type T=treatment S=storage D=disposal	Waste type M=mixed D=dangerous	Unit classification ³	Document type ⁴	Part A			Part B		Closure plan		Postclosure		Date closed
							Initial	Latest	Rev.	Latest	Rev.	Date	Rev.	Date	Rev.	
400 Area																
437-MASF	FDH	400	T	M	4	8	11/01/85	10/01/96	3							
4843 Alkali Metal Storage Facility	FDH	400	S	M	1,15	2	09/01/87	10/01/96	3			09/95	1			04/14/97
Sodium Storage Facility and Sodium Reaction Facility	FDH	400	TS	M	3,4	9	05/01/95	10/01/96	1							
600 Area																
Hanford Patrol Academy Demolition Sites	Other	600	T	D	13,15	2	11/01/85	12/15/94	4			12/15/94	1			10/26/95
616 Nonradioactive Dangerous Waste Storage Facility	FDH	600	S	D	1	1	11/01/85	03/04/97	7	10/31/91	2					
600 Area Purgewater Storage and Treatment Facility	FDH	600	TS	M	12,13	10	02/20/90	09/11/98	3							
Nonradioactive Dangerous Waste Landfill	BHI	600	D	D	11	2,3	11/01/85	06/30/94	4			09/30/90	0			
3000 Area																
Simulated High-Level Waste Slurry Treatment/Storage	PNNL	3000	TS	M	1,2,15	2	05/19/88	08/12/94	2			11/07/94	6A			09/06/95

* Combined Part B permit application DOE/RL-97-03.

- ¹Co-op
- BHI -- Bechtel Hanford, Inc.
 - FDH -- Fluor Daniel Hanford, Inc.
 - PNNL -- Pacific Northwest National Laboratory.
 - Other -- Closed by a previous co-operator.
- ²Area
- 100 -- 100 Area
 - 200E -- 200 East Area
 - 200W -- 200 West Area
 - 200EW -- Parts of a TSD unit are located in both the 200 East and the 200 West Areas
 - 300 -- 300 Area
 - 400 -- 400 Area
 - 500 -- Unused designation
 - 600 -- 600 Area
 - 3000 -- 3000 Area

Table 1-1. Hanford Facility Treatment, Storage, and/or Disposal Units.

³ Unit classification	1	-	Container - Storage
	2	-	Container - Treatment
	3	-	Tank - Storage
	4	-	Tank - Treatment
	5	-	Waste pile
	6	-	Surface impoundment - Storage
	7	-	Surface impoundment - Treatment
	8	-	Surface impoundment - Disposal
	9	-	Incinerator
	10	-	Containment Building
	11	-	Landfill
	12	-	Miscellaneous - Storage
	13	-	Miscellaneous - Treatment
	14	-	Land treatment
	15	-	Certified clean closure; regulatory acceptance letter received.
	16	-	Certified procedural closure; regulatory acceptance letter received.
	17	-	Certified partial clean closure; regulatory acceptance letter received.
⁴ Document type	1	--	Part B
	2	-	Closure plan
	3	-	Partial closure
	4	-	Postclosure plan
	5	-	Closure work plan
	6	-	Undetermined
	7	--	TSD unit being closed, or anticipated to be closed, under Section 8.0 of the <i>Hanford Federal Facility Agreement and Consent Order</i> (Tri-Party Agreement)
	8	-	Procedural closure in accordance with Section 6.3.3 of the Tri-Party Agreement or in response to withdrawal requests submitted in fulfillment of Tri-Party Agreement Milestone M-20-45
	9	-	To be designated as a TSD unit if the Fast Flux Test Facility sodium is determined to have no beneficial use
	10	-	Interim status TSD unit to be closed in accordance with the <i>Purgewater Management Plan</i> [Attachment 5 of the HF RCRA Permit (DW Portion)]
	11	--	TSD unit subject to the closure work plan/closure plan process in accordance with Tri-Party Agreement Milestone M-45-06
	12	-	Interim status TSD unit in a standby mode
	13	--	Interim status TSD unit is to be superseded by a high-level waste immobilization facility.

Please print or type in the unshaded areas only
 (7/8-in areas are spaced for elite type, i.e., 12 character/inch).

FORM 3	DANGEROUS WASTE PERMIT APPLICATION	1. EPA/STATE I.D. NUMBER <table border="1" style="width:100%; border-collapse: collapse;"><tr><td>W</td><td>A</td><td>7</td><td>8</td><td>9</td><td>0</td><td>0</td><td>0</td><td>8</td><td>9</td><td>8</td><td>7</td></tr></table>	W	A	7	8	9	0	0	0	8	9	8	7
W	A	7	8	9	0	0	0	8	9	8	7			

FOR OFFICIAL USE ONLY		COMMENTS
APPLICATION APPROVED	DATE RECEIVED <i>(mo., day, & yr.)</i>	

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.)

2. NEW FACILITY (Complete item below)

<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="text-align: center;">MO.</th> <th style="text-align: center;">DAY</th> <th style="text-align: center;">YR.</th> </tr> <tr> <td style="text-align: center;">03</td> <td style="text-align: center;">22</td> <td style="text-align: center;">43</td> </tr> </table> <p>* 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.</p>	MO.	DAY	YR.	03	22	43	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="text-align: center;">MO.</th> <th style="text-align: center;">DAY</th> <th style="text-align: center;">YR.</th> </tr> <tr> <td style="width:20px; height:20px;"></td> <td style="width:20px; height:20px;"></td> <td style="width:20px; height:20px;"></td> </tr> </table> <p>FOR NEW FACILITIES, PROVIDE THE DATE (mo., day, & yr.) OPERATION BEGAN OR IS EXPECTED TO BEGIN</p>	MO.	DAY	YR.			
MO.	DAY	YR.											
03	22	43											
MO.	DAY	YR.											

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 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	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:			Treatment:		
CONTAINER (barrel, drum, etc)	S01	GALLONS OR LITERS	TANK	TO1	GALLONS PER DAY OR LITERS PER DAY
TANK	S02	GALLONS OR LITERS	SURFACE IMPOUNDMENT	TO2	GALLONS PER DAY OR LITERS PER DAY
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS	INCINERATOR	TO3	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS	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.)	TO4	GALLONS PER DAY OR LITERS PER DAY
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			

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	G
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.

LINE NUMBER	A. PROCESS CODE (from list above)			B. PROCESS DESIGN CAPACITY			FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE (from list above)			B. PROCESS DESIGN CAPACITY			FOR OFFICIAL USE ONLY
	1.	2.	3.	1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)	3.			1.	2.	3.	1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)	3.	
X-1	S	0	2	600	G			5							
X-2	T	0	3	20	F			6							
1	S	0	1	20,000	L			7							
2	T	0	4	100	V			8							
3								9							
4								10							

Continued from the front.

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESS (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

Refer to following page

IV. 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 waste which are not listed in Chapter 173-303 WAC, enter the four digit number(s) that describes the characteristics and/or the toxic contaminants of those dangerous wastes.
- B. ESTIMATED ANNUAL QUANTITY - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the wastes.

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 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 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2			T 0 3 D 8 0	included with above

FORM 3 DANGEROUS WASTE PERMIT APPLICATION
U. S. ENVIRONMENTAL PROTECTION AGENCY/STATE IDENTIFICATION NUMBER WA7890008967

Section III.C., Description of Process Codes Listed in Section III.A.

The 105-DR Large Sodium Fire Facility was a research laboratory located in the 105-DR Reactor Building in the 100-D Area of the Hanford Site. The unit was used to conduct experiments for studying the behavior of molten alkali metals and alkali metal fires. This unit had also been used for the storage and treatment of alkali metal dangerous waste. The 105-DR Large Sodium Fire Facility operated between 1972 and 1986.

In 1995, closure activities were initiated at the unit for Areas 1, 3, and 7, as defined in Part V, Chapter 10, of the Hanford Facility Resource Conservation and Recovery Act (RCRA) Permit (Permit Number WA7890008967). Area 1 is defined as the Fan Supply Room, Exhaust Fan Room, Small Fire Room, Large Fire Room, and Sodium Handling Room. Area 3 is defined as the New Gravel Scrubber (removed during closure activities). Area 7 is defined as soils to the north and west of the 117-DR Filter Building.

In 1996, Ecology (Letter, M.A. Wilson, Ecology to J.E. Rasmussen, U.S. Department of Energy, and E.F. Loika, Westinghouse Hanford Company, dated July 16, 1996) accepted clean closure of Areas 1, 3, and 7 and released these areas from the requirements of RCRA and Chapter 173-303 of the Washington Administrative Code (WAC). Also, the letter identified that Area 6 (the 117-DR-8 Crib and the connecting piping from the 117-DR Filter Building to the crib), as defined by Part V, Chapter 10 of the Hanford Facility RCRA Permit, is believed not to have received dangerous waste and is considered closed for the purposes of Chapter 173-303 WAC.

Areas 2, 4, and 5, as defined by Part V, Chapter 10 of the Hanford Facility RCRA Permit, remain regulated by RCRA and Chapter 173-303 WAC. Area 2 is defined as the upper and lower exhaust tunnels within the 105-DR Building, the exterior underground tunnel from the 105-DR Building to the 117-DR Filter Building, and the Spray Scrubber. Area 4 consists of the 117-DR Filter Building, and the exterior underground tunnel from the 117-DR Filter Building to the 116-DR Stack. Area 5 is defined as the 116-DR Stack. Areas 2, 4, and 5 are identified in the schematic on page 9 of 10. Closure of these areas is expected to occur during decommissioning and decontamination of the 105-DR Reactor.

S01/T04

Treatment of alkali metal dangerous waste consisted of heating the waste to the point of oxidation. Any off-gas from treatment was processed through an off-gas system that used portions of the 105-DR Reactor exhaust system.

The maximum storage process design capacity was 20,000 liters (5,284 gallons). The maximum treatment process design capacity was 100 liters per day (26 gallons per day).

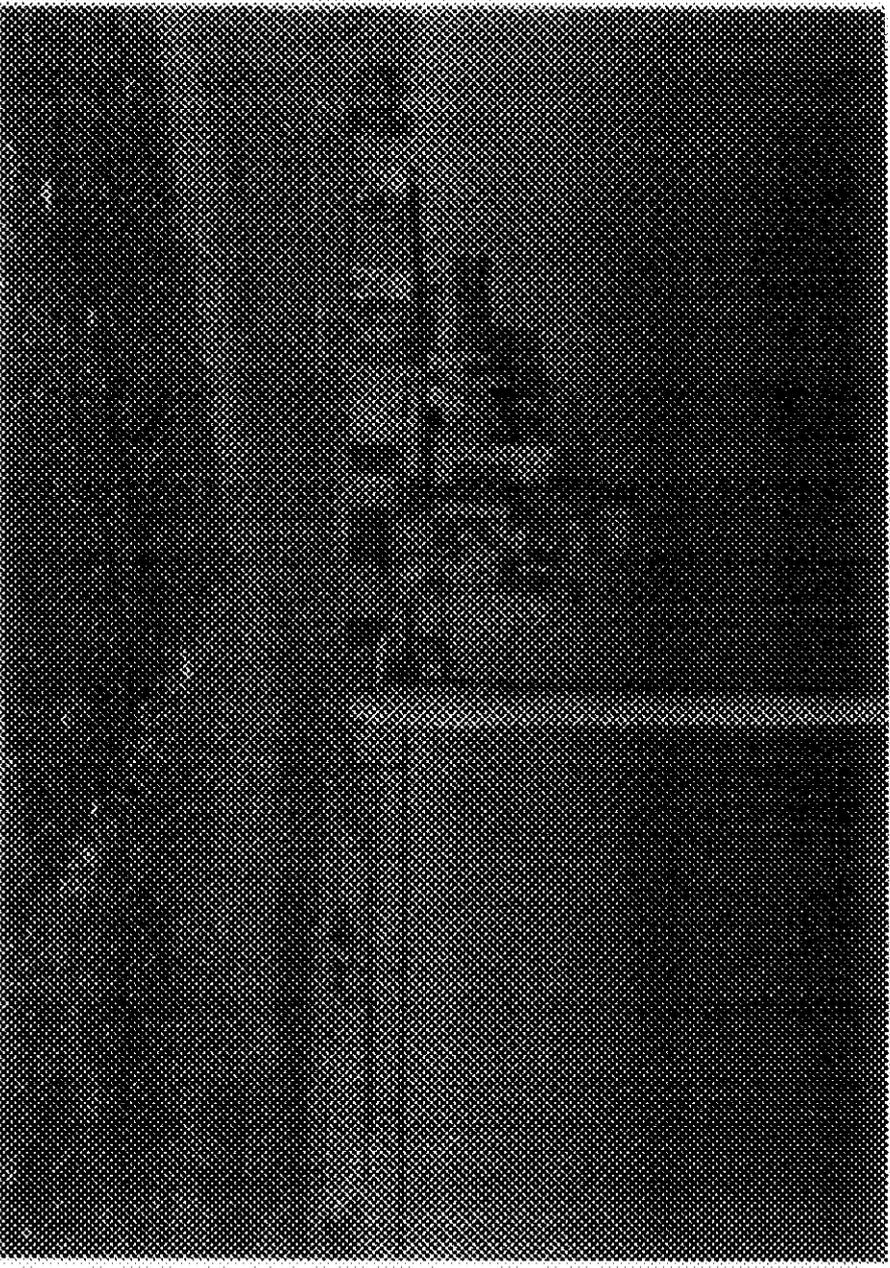
Continued from page 2.
 NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)
 WA7890008887

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	D001	20,000	K	S01 T04	Storage-tank/Treatment-other
2	D003		↓	↓ ↓	(thermal treatment)
3	WSC2		↓	↓ ↓	Included with above
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

105-DR LARGE SODIUM FIRE FACILITY

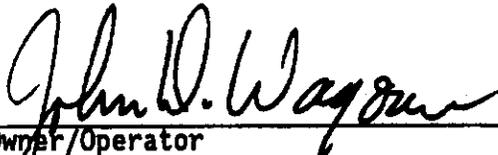


46°41'38"
119°32'08"

560780002509
Open to 1/25/98 (98)

X. OPERATOR CERTIFICATION

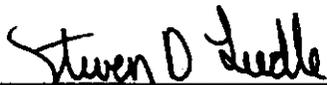
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true,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



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



Date

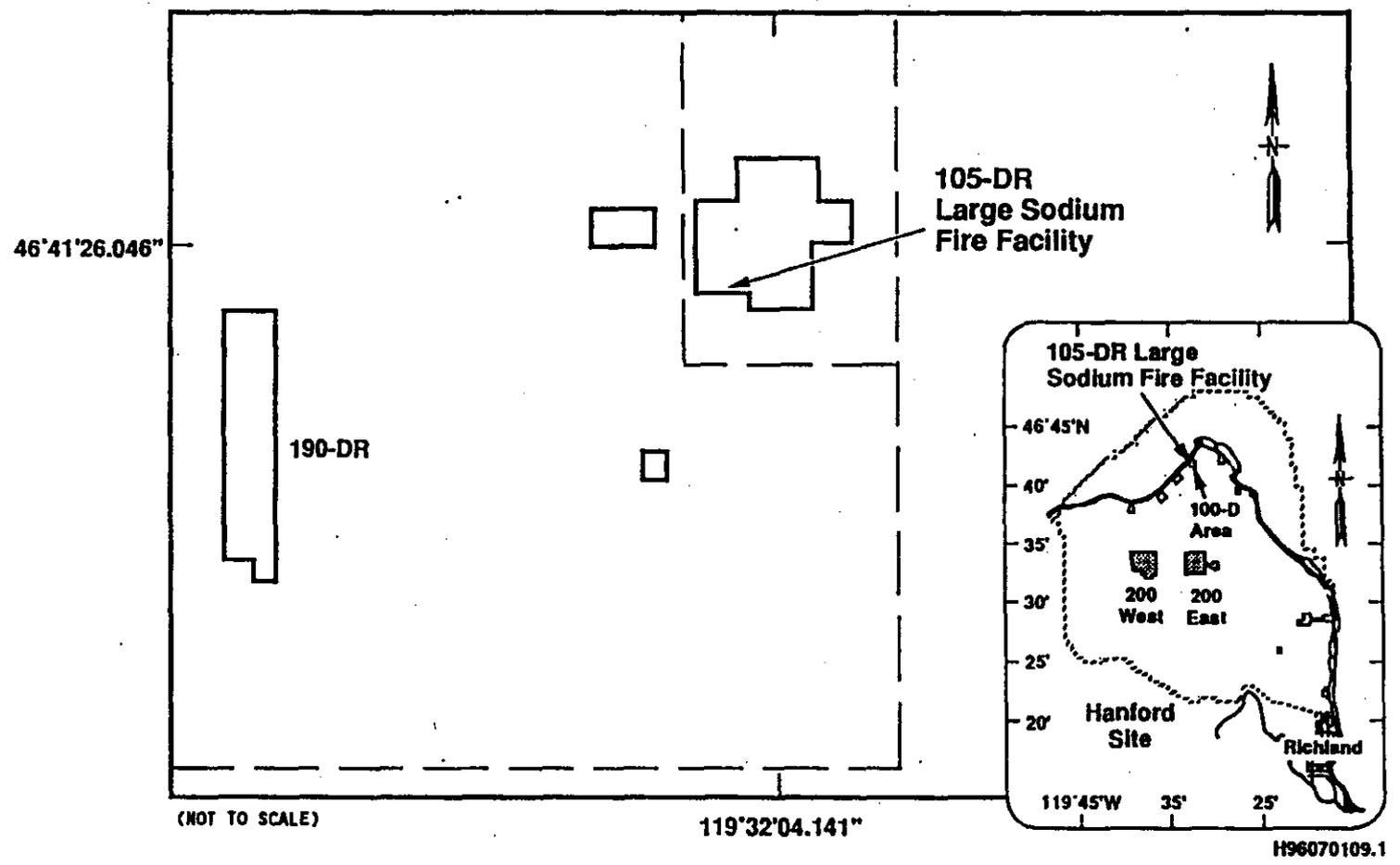


Co-operator
Steven D. Liedle, President
Bechtel Hanford, Inc.

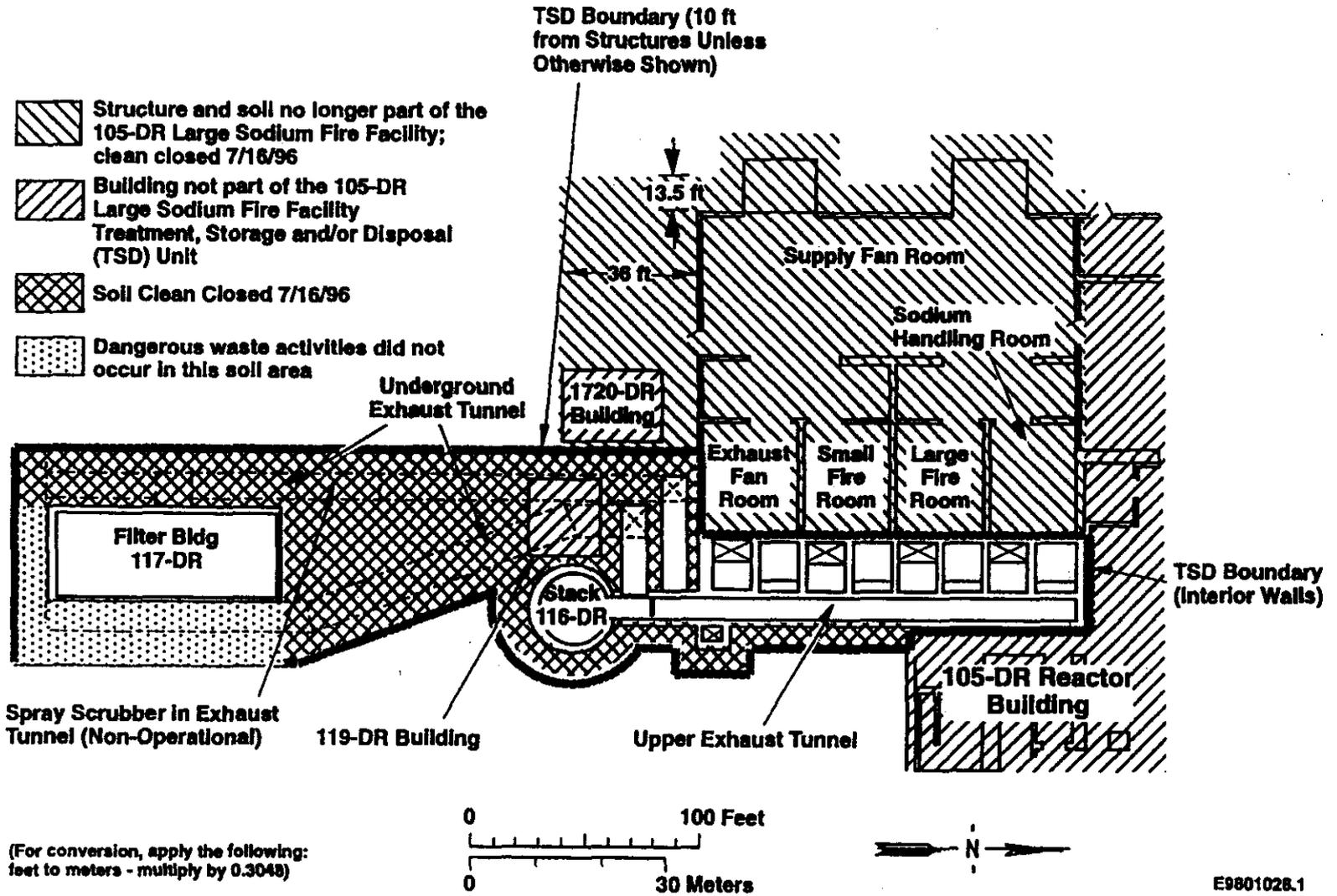


Date

105-DR Large Sodium Fire Facility Site Plan



105-DR Large Sodium Fire Facility TSD Boundary

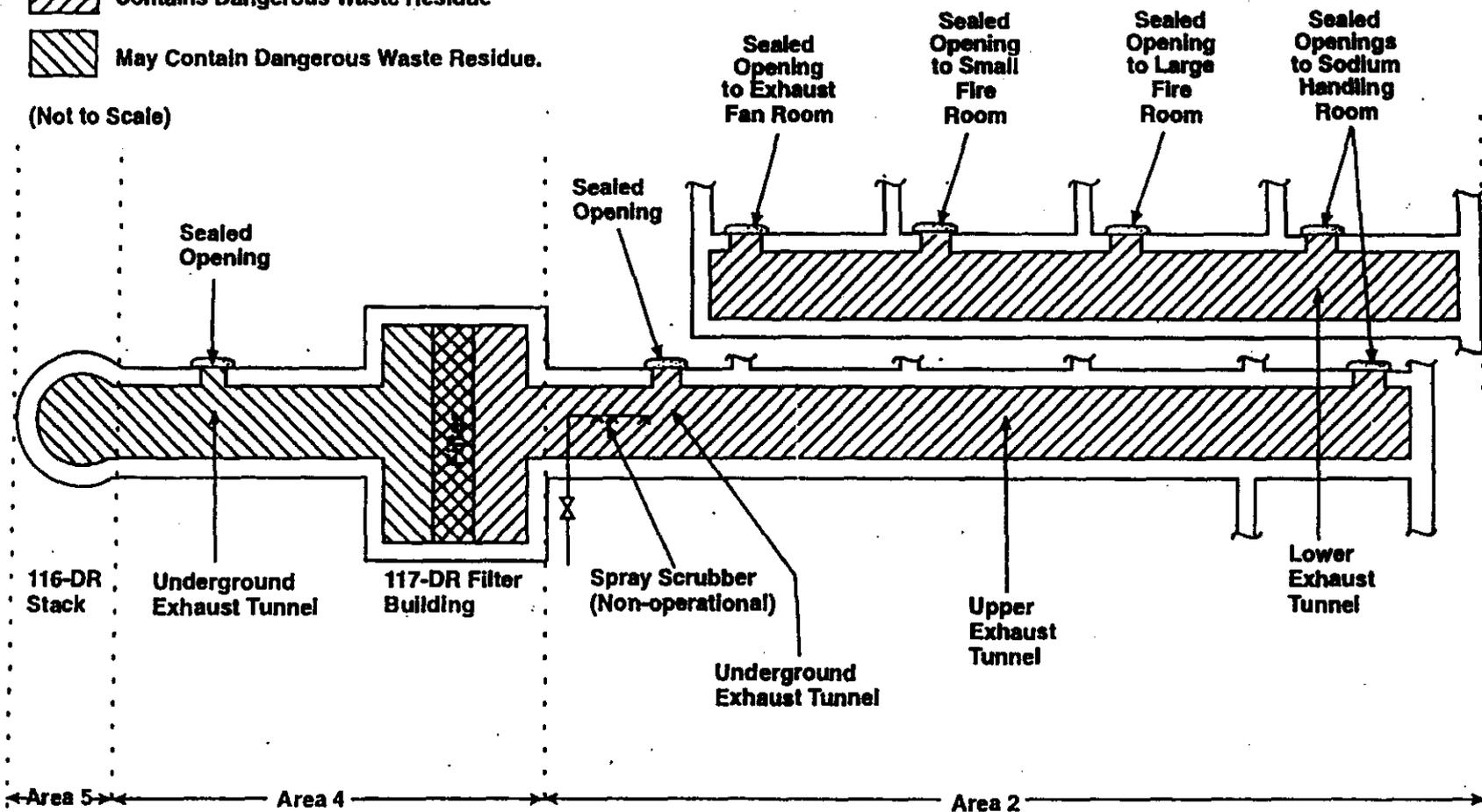


E9801028.1

Schematic of the 105-DR Large Sodium Fire Facility

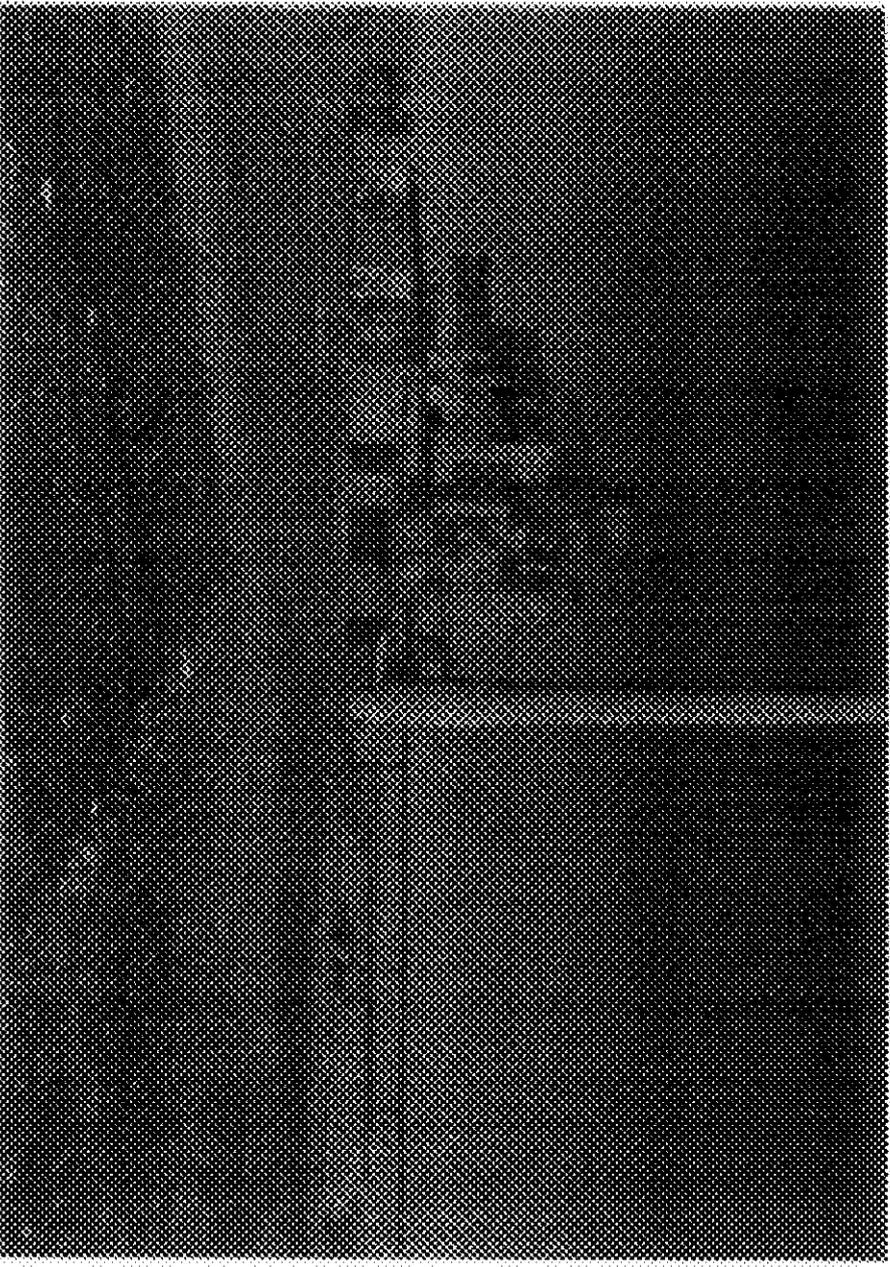
-  Contains Dangerous Waste Residue
-  May Contain Dangerous Waste Residue.

(Not to Scale)



H97080108.2

105-DR LARGE SODIUM FIRE FACILITY



46°41'38"
119°32'08"

580700000000
Deno to James (98)

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

FORM 3	DANGEROUS WASTE PERMIT APPLICATION	1. EPA/STATE I.D. NUMBER <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:12.5%;">W</td> <td style="width:12.5%;">A</td> <td style="width:12.5%;">7</td> <td style="width:12.5%;">8</td> <td style="width:12.5%;">9</td> <td style="width:12.5%;">0</td> <td style="width:12.5%;">0</td> <td style="width:12.5%;">0</td> <td style="width:12.5%;">8</td> <td style="width:12.5%;">9</td> <td style="width:12.5%;">6</td> <td style="width:12.5%;">7</td> </tr> </table>	W	A	7	8	9	0	0	0	8	9	6	7
W	A	7	8	9	0	0	0	8	9	6	7			

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED (mo., day, & yr.)	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.)
2. NEW FACILITY (Complete item below.)

MO.	DAY	YR.
03	22	43

*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.

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 I above)

1. FACILITY HAS AN INTERIM STATUS PERMIT
2. FACILITY HAS A FINAL PERMIT

III. PROCESSES - 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	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:			Treatment:		
CONTAINER (barrel, drum, etc.)	S01	GALLONS OR LITERS	TANK	T01	GALLONS PER DAY OR LITERS PER DAY
TANK	S02	GALLONS OR LITERS	SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS	INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR, GALLONS PER HOUR OR LITERS PER HOUR
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS	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
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			

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.

LINE NUMBER	A. PRO-CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY	LINE NUMBER	A. PRO-CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY
		1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)				1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)	
X-1	S 0 2	600	G		5				
X-2	T 0 3	20	E		6				
1	T01	817,646	V		7				
2	S02	7,608,654	L		8				
3	S01	147,630	L		9				
4	T04	18,927	V		10				

Continued from the front.

III. PROCESSES (continued)

SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESS (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY

Construction of the 200 Area Effluent Treatment Facility (ETF) began in 1992. Waste management operations began at ETF in November of 1995.

T04

Sludge that accumulates in the bottoms of ETF process tanks is removed periodically and placed into containers. The waste is solidified by decanting the supernate from the container and the remainder of the liquid is allowed to evaporate, or absorbents are added, as necessary, to address the residual liquid. The process design capacity for treatment of waste in containers is 18,927 liters per day.

IV. 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 describes the characteristics and/or the toxic contaminants of those dangerous wastes.
- B. ESTIMATED ANNUAL QUANTITY - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

<u>ENGLISH UNIT OF MEASURE</u>	<u>CODE</u>	<u>METRIC UNIT OF MEASURE</u>	<u>CODE</u>
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)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2			T 0 3 D 8 0	included with above

Continued from page 2.

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

I. D. NUMBER (entered 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	D001	298,434,296	K	T01			Treatment-Tank
2	through						
3	D011						
4	D018						
5	D019						
6	D022						
7	D028						
8	through						
9	D030						
10	D033						
11	through						
12	D036						
13	D038						
14	through						
15	D041						
16	D043						
17	F001						
18	through						
19	F005						
20	F039						
21	WT01						
22	WT02						Included with above
23	D001	30,433,326	K	S02			Storage-Tank
24	through						
25	D011						
26	D018						

Continued from page 2.

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

I. D. NUMBER (entered 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	D019		K	S02	Storage-Tank (cont)
2	D022				
3	D028				
4	through				
5	D030				
6	D033				
7	through				
8	D036				
9	D038				
10	through				
11	D041				
12	D043				
13	F001				
14	through				
15	F005				
16	F039				
17	WT01				
18	WT02		▼	▼	Include with above
19	D001	1,986,735	K	S01	Storage-Container
20	through				
21	D011				
22	D018				
23	D019				
24	D022		▼	▼	▼
25					
26					

Continued from page 2.

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

I. D. NUMBER (entered 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	D028		K	S01	Storage-Container (cont)
2	through				
3	D030				
4	D033				
5	through				
6	D036				
7	D038				
8	through				
9	D041				
10	D043				
11	F001				
12	through				
13	F005				
14	F039				
15	WT01				
16	WT02				Include with above
17	D001	81,310	K	T04	Treatment-Containers
18	through				
19	D011				
20	D018				
21	D019				
22	D022				
23	D028				
24	through				
25	D030				
26					

Continued from page 2.

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

I. D. NUMBER (entered 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	D033		K	T04	Treatment-Containers (cont)
2	through				
3	D036				
4	D038				
5	through				
6	D041				
7	D043				
8	F001				
9	through				
10	F005				
11	F039				
12	WT01				
13	WT02				Included with above
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

Continued from the front.

IV. DESCRIPTION OF DANGEROUS WASTE (continued)

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

[Empty space for listing additional process codes]

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

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)			

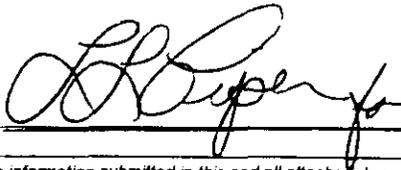
VIII. FACILITY OWNER

- 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 XI 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) John D. Wagoner U.S. Department of Energy Richland Operations Office	SIGNATURE 	DATE SIGNED 5/22/98
--	---	------------------------

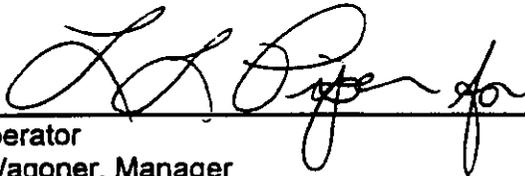
OPERATOR CERTIFICATION

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

NAME (print or type) SEE ATTACHMENT	SIGNATURE	DATE SIGNED
--	-----------	-------------

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

5/22/98

Date

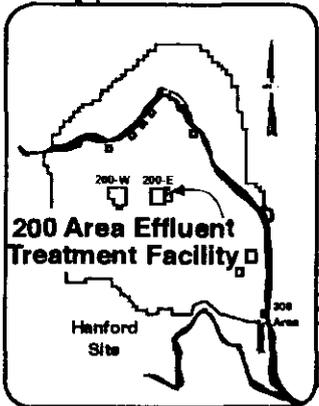
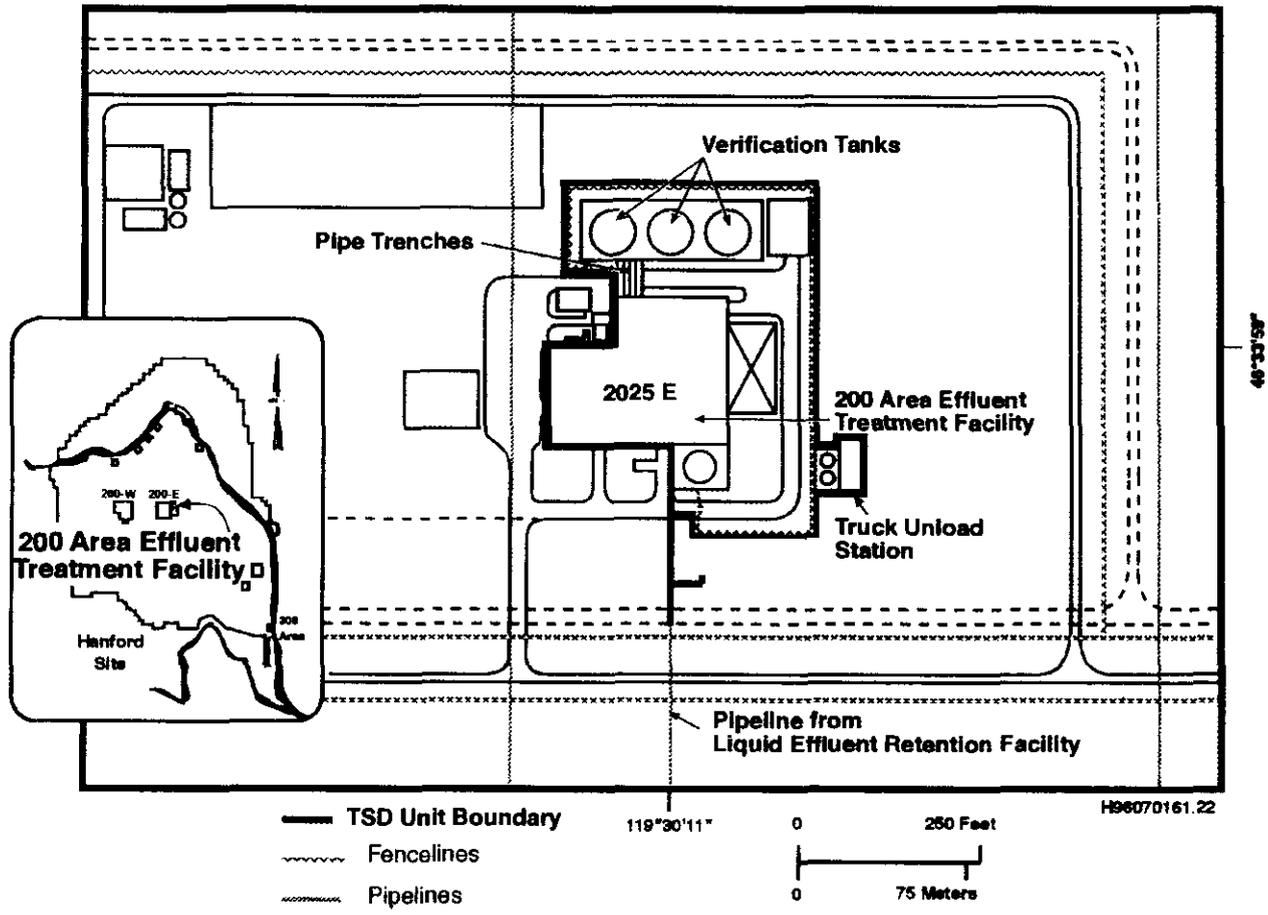


H. J. Hatch,
President and Chief Executive Officer
Fluor Daniel Hanford, Inc.

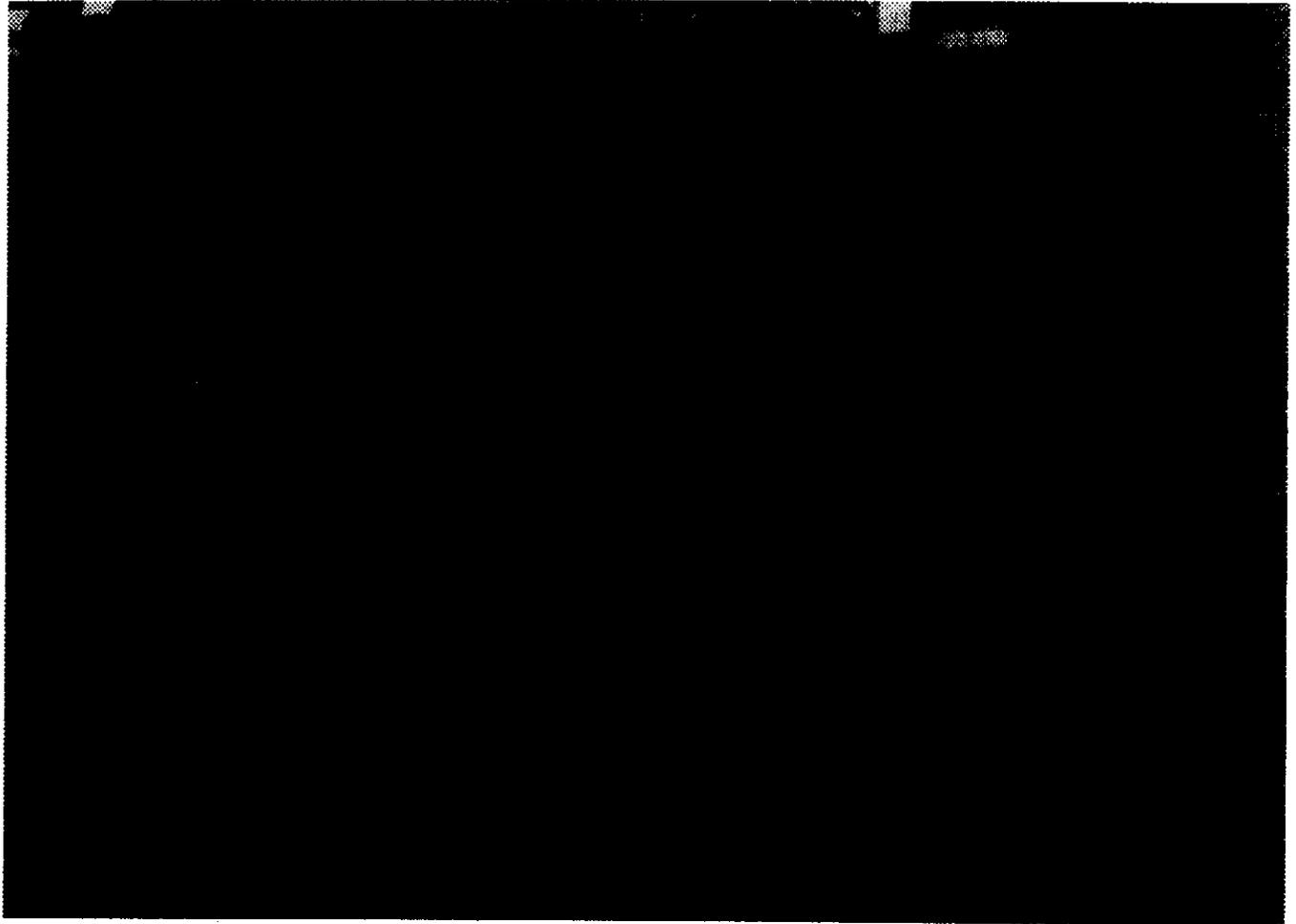
May 14, 1998

Date

200 Area Effluent Treatment Facility Site Plan



200 AREA EFFLUENT TREATMENT FACILITY



46°33'59"
119°30'11"

95110502-9CN
(PHOTO TAKEN 1995)

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

FORM 3	DANGEROUS WASTE PERMIT APPLICATION	1. EPA/STATE I.D. NUMBER												
		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:20px; text-align: center;">W</td> <td style="width:20px; text-align: center;">A</td> <td style="width:20px; text-align: center;">7</td> <td style="width:20px; text-align: center;">8</td> <td style="width:20px; text-align: center;">9</td> <td style="width:20px; text-align: center;">0</td> <td style="width:20px; text-align: center;">0</td> <td style="width:20px; text-align: center;">0</td> <td style="width:20px; text-align: center;">8</td> <td style="width:20px; text-align: center;">9</td> <td style="width:20px; text-align: center;">6</td> <td style="width:20px; text-align: center;">7</td> </tr> </table>	W	A	7	8	9	0	0	0	8	9	6	7
W	A	7	8	9	0	0	0	8	9	6	7			

FOR OFFICIAL USE ONLY		COMMENTS
APPLICATION APPROVED	DATE RECEIVED <small>(mo., day & yr.)</small>	

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)

<input type="checkbox"/> 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.)	<input type="checkbox"/> 2. NEW FACILITY (Complete item below)
--	--

<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:10%;">MO.</th> <th style="width:10%;">DAY</th> <th style="width:10%;">YR.</th> </tr> <tr> <td style="text-align: center;">03</td> <td style="text-align: center;">22</td> <td style="text-align: center;">43</td> </tr> </table>	MO.	DAY	YR.	03	22	43	* 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.	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:10%;">MO.</th> <th style="width:10%;">DAY</th> <th style="width:10%;">YR.</th> </tr> <tr> <td style="height: 20px;"></td> <td style="height: 20px;"></td> <td style="height: 20px;"></td> </tr> </table>	MO.	DAY	YR.			
MO.	DAY	YR.												
03	22	43												
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 I above)

<input checked="" type="checkbox"/> 1. FACILITY HAS AN INTERIM STATUS PERMIT	<input checked="" type="checkbox"/> 2. FACILITY HAS A FINAL PERMIT
--	--

III. PROCESSES - 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	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:			Treatment:		
CONTAINER (barrel, drum, etc)	S01	GALLONS OR LITERS	TANK	T01	GALLONS PER DAY OR LITERS PER DAY
TANK	S02	GALLONS OR LITERS	SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS	INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS	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
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			

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.

LINE NUMBER	A. PRO-CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY			FOR OFFICIAL USE ONLY	LINE NUMBER	A. PRO-CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY			FOR OFFICIAL USE ONLY
		1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)						1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)	
X-1	S 0 2	600	G			6					
X-2	T 0 3	20	E			6					
1	T 0 4	12,900	V			7					
2	S 0 1	73,500	L			8					
3						9					
4						10					

Continued from the front.

III. PROCESSES (continued)

2. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESS (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

T04

The Waste Receiving and Processing Facility (WRAP) commenced construction in 1994 and began waste management operations in March of 1997.

WRAP has the capability to treat waste through deactivation, solidification or absorption of liquids, neutralization of corrosives, amalgamation, microencapsulation, macroencapsulation, volume reduction of waste (e.g. supercompaction), reaction of reactive waste, and repackaging of waste.

The total process design capacity for treatment is 12,900 liters (3,408 gallons) per day.

IV. 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 describes the characteristics and/or the toxic contaminants of those dangerous wastes.
- B. ESTIMATED ANNUAL QUANTITY - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

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

For non-listed dangerous wastes: For each characteristic or toxic contaminant entered in Column A, select the code(s) from the list of process codes contained in Section III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed dangerous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

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

NOTE: DANGEROUS WASTES DESCRIBED BY MORE THAN ONE DANGEROUS WASTE NUMBER - Dangerous wastes that can be described by more than one Waste Number shall be described on the form as follows:

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

EXAMPLE FOR COMPLETING SECTION IV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. 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))					
1	K 0 5 4	900	P	T	0	3	D	8	0				
X-2	D 0 0 2	400	P	T	0	3	D	8	0				
X-3	D 0 0 1	100	P	T	0	3	D	8	0				
X-4	D 0 0 2			T	0	3	D	8	0	included with above			

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

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO	A. DANGEROUS WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES									
							1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))					
1	D	0	0	1	20,000	K	T04	S01							Treatment-Other/Storage-Container	
2	D	0	0	2	15,000											
3	D	0	0	3	500											
4	D	0	0	4	50											
5	D	0	0	5	400											
6	D	0	0	6	117											
7	D	0	0	7	400											
8	D	0	0	8	400											
9	D	0	0	9	800											
10	D	0	1	0	10											
11	D	0	1	1	20											
12	D	0	1	2	300											
13	D	0	1	6	↓											
14	D	0	1	8												
15	through															
16	D	0	4	3												
17	W	T	0	1		16,000										
18	W	T	0	2	22,000											
19	W	P	0	1	12,000											
20	W	P	0	2	3,000											
21	W	P	0	3	2,000											
22	W	S	C	2	15,000											
23	W	O	0	1	5,000											
24	F	O	0	1	4,000											
25	F	O	0	2	4,500											
26	F	O	0	3	6,500											

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

I.D. NUMBER (entered from page 1)
 W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)				D. PROCESSES				
LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	F 0 0 4	570	K	T04	S01			Treatment-Other/Storage-Container
2	F 0 0 5	6,000						(Continued)
3	F 0 2 0	300						
4	F 0 2 1							
5	F 0 2 2							
6	F 0 2 3							
7	F 0 2 6							
8	F 0 2 7	500						
9	F 0 2 8	300						
10	F 0 3 9	500						
11	U 0 0 1	5,000						
12	through							
13	U 0 1 2							
14	U 0 1 4							
15	through							
16	U 0 3 9							
17	U 0 4 1							
18	through							
19	U 0 5 3							
20	U 0 5 5							
21	through							
22	U 0 6 4							
23	U 0 6 6							
24	through							
25	U 0 9 9							
26	U 1 0 1							

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

I.D. NUMBER (entered from page 1)

WA 7890008967

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	U 1 0 2	5,000	K	T04	S01		Treatment-Other/Storage Container
2	U 1 0 3						(Continued)
3	U 1 0 5						
4	through						
5	U 1 3 8						
6	U 1 4 0						
7	through						
8	U 1 7 4						
9	U 1 7 6						
10	through						
11	U 1 9 4						
12	U 1 9 6						
13	U 1 9 7						
14	U 2 0 0						
15	U 2 2 3						
16	U 2 2 5						
17	through						
18	U 2 2 8						
19	U 2 3 0						
20	through						
21	U 2 4 0						
22	U 2 4 2						
23	through						
24	U 2 4 4						
25	U 2 4 6						
26	U 2 4 7						

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

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 B 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	U 2 4 8	5,000	K	T04	S01					Treatment-Other/Storage-Container	
2	U 2 4 9									(Continued)	
3	U 2 7 1										
4	U 2 7 7										
5	through										
6	U 2 8 0										
7	U 3 2 8										
8	U 3 5 3										
9	U 3 5 9										
10	U 3 6 4										
11	through										
12	U 3 6 7										
13	U 3 7 2										
14	U 3 7 3										
15	U 3 7 5										
16	through										
17	U 3 7 9										
18	U 3 8 1										
19	through										
20	U 3 8 7										
21	U 3 8 9										
22	through										
23	U 3 9 6										
24	U 4 0 0										
25	through										
26	U 4 0 4										

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

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 8 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	U 4 0 7	5,000	K	T04	S01		Treatment-Other/Storage-Container
2	U 4 0 9						(Continued)
3	U 4 1 1						
4	P 0 0 1						
5	through						
6	P 0 1 8						
7	P 0 2 0						
8	through						
9	P 0 2 4						
10	P 0 2 6						
11	through						
12	P 0 3 1						
13	P 0 3 3						
14	P 0 3 4						
15	P 0 3 6						
16	through						
17	P 0 5 1						
18	P 0 5 4						
19	P 0 5 6						
20	through						
21	P 0 6 0						
22	P 0 6 2						
23	through						
24	P 0 7 8						
25	P 0 8 1						
26	P 0 8 2						

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

I.D. NUMBER (entered 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	P 0 8 4	5,000	K	T04	S01						Treatment-Other/Storage-Container
2	P 0 8 5										(Continued)
3	P 0 8 7										
4	through										
5	P 0 8 9										
6	P 0 9 2										
7	through										
8	P 0 9 9										
9	P 1 0 1										
10	through										
11	P 1 1 6										
12	P 1 1 8										
13	through										
14	P 1 2 3										
15	P 1 2 7										
16	P 1 2 8										
17	P 1 8 5										
18	P 1 8 8										
19	through										
20	P 1 9 2										
21	P 1 9 4										
22	P 1 9 6										
23	through										
24	P 1 9 9										
25											
26											

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

I.D. NUMBER (entered from page 1)

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	P 2 0 1	5,000	K	T04 S01	Treatment-Other/Storage-Container
2	through	↓	↓	↓ ↓	↓
3	P 2 0 5	↓	↓	↓ ↓	Included With Above
4					
5					
6					
7					
8					
9					
10					
11					
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Continued from the front.

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

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

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

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

VI. PHOTOGRAPHS Refer to attached photograph(s).

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

VII. FACILITY GEOGRAPHIC LOCATION This information is provided on the attached drawing(s) and photograph(s).

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

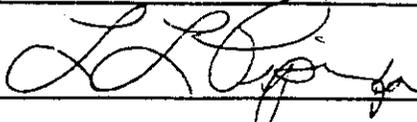
VIII. FACILITY OWNER

- 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) John D. Wagoner, Manager U.S. Department of Energy Richland Operations Office	SIGNATURE 	DATE SIGNED 5/22/98
---	---	------------------------

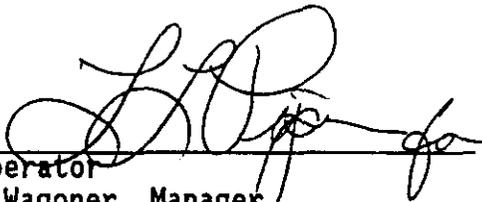
X. OPERATOR CERTIFICATION

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

NAME (print or type) SEE ATTACHMENT	SIGNATURE	DATE SIGNED
--	-----------	-------------

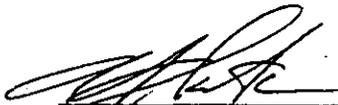
X. OPERATOR CERTIFICATION

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.



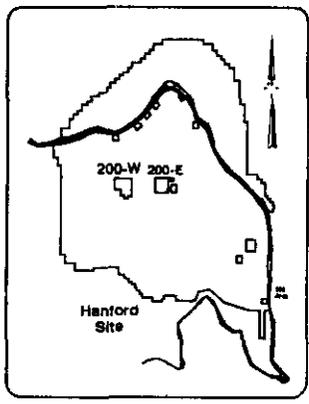
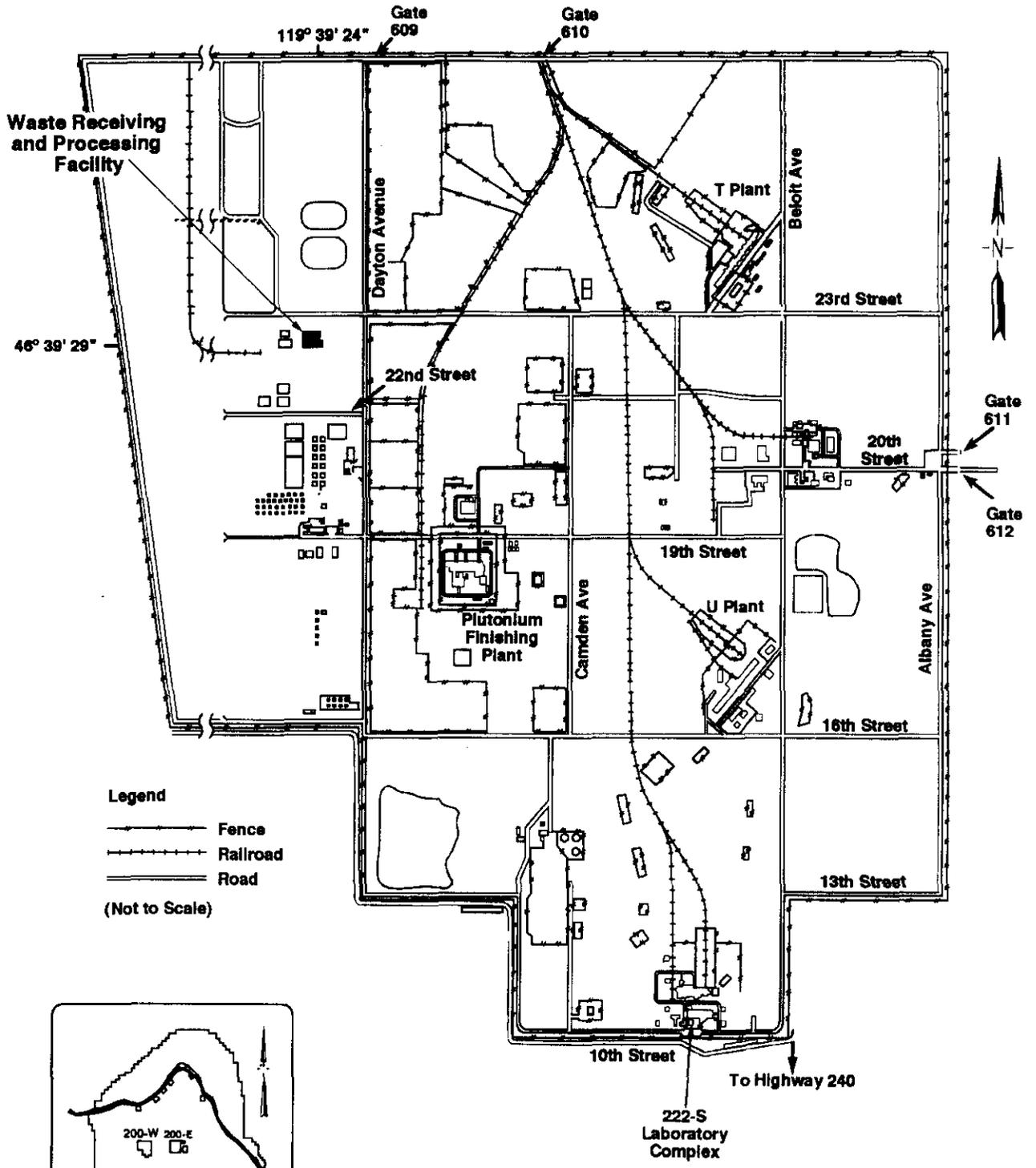
Owner/Operator
John D. Wagoner, Manager
U.S. Department of Energy
Richland Operations Office

Date 5/24/98



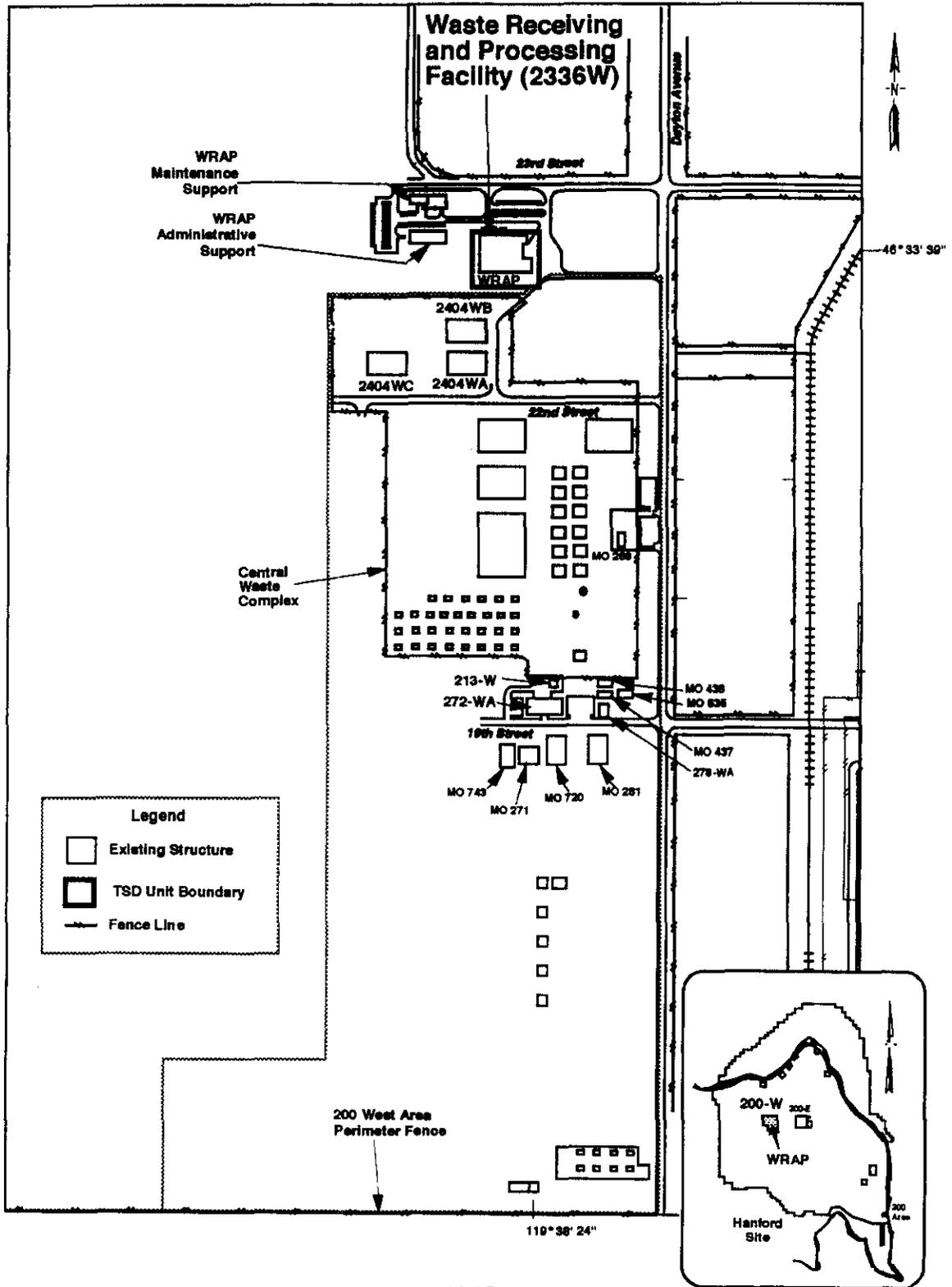
Co-operator
H. J. Hatch,
President and Chief Executive Officer
Fluor Daniel Hanford, Inc.

Date May 14, 1998



200 West Site Plan

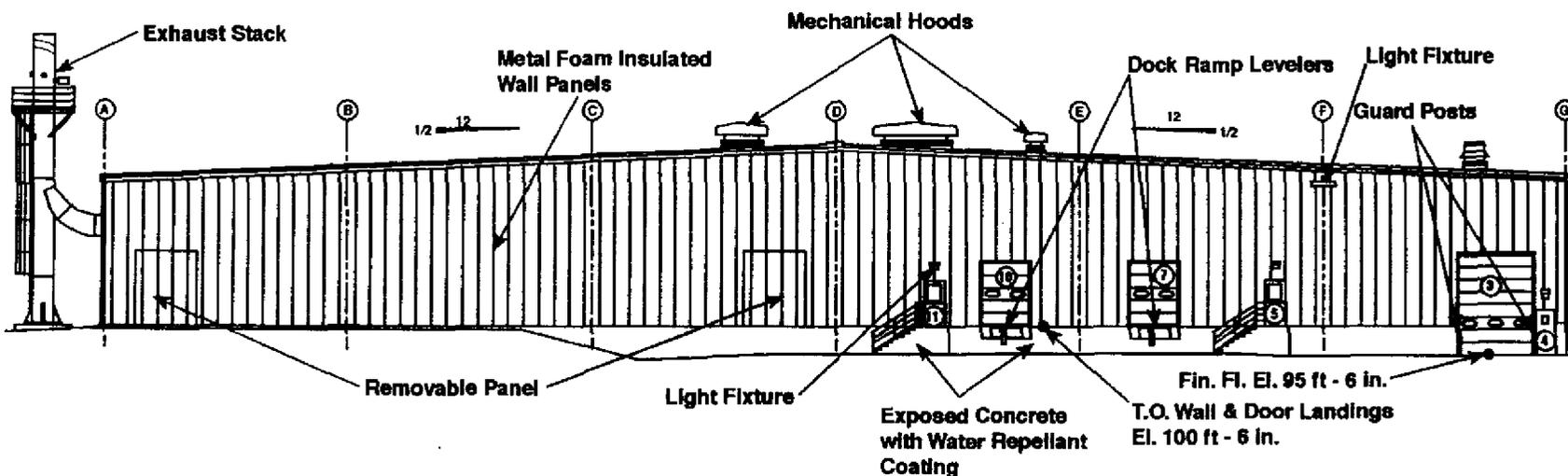
Waste Receiving and Processing Facility (WRAP)



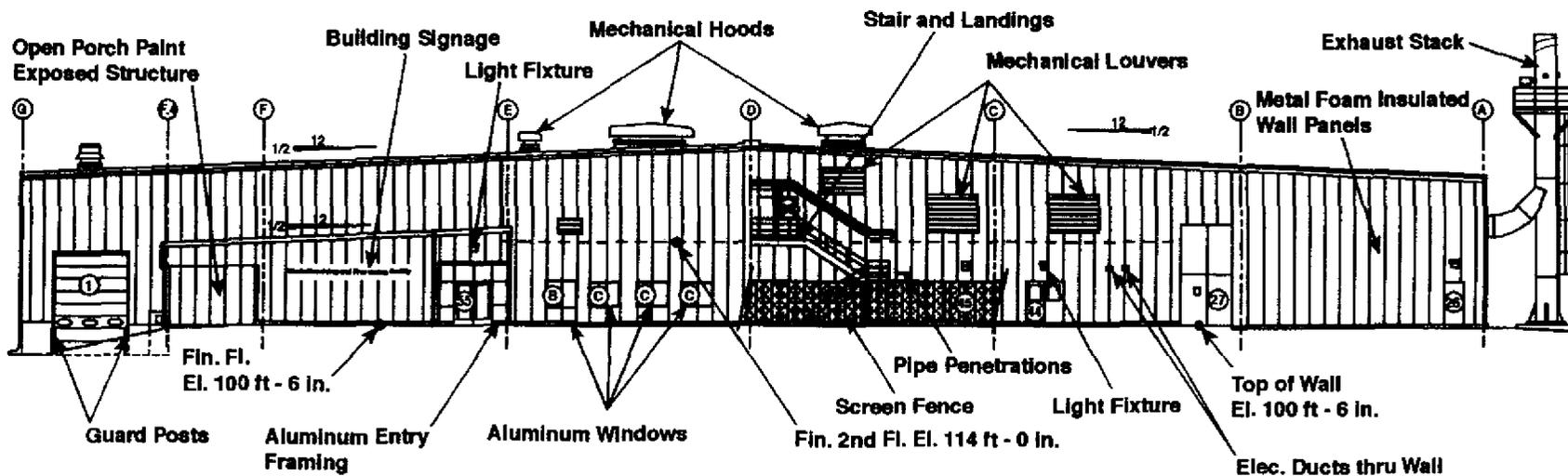
Note: To convert feet to meters, multiply by 0.3048.
To convert inches to centimeters, multiply by 2.54.



Waste Receiving and Processing Facility 2336-W Building



South Elevation

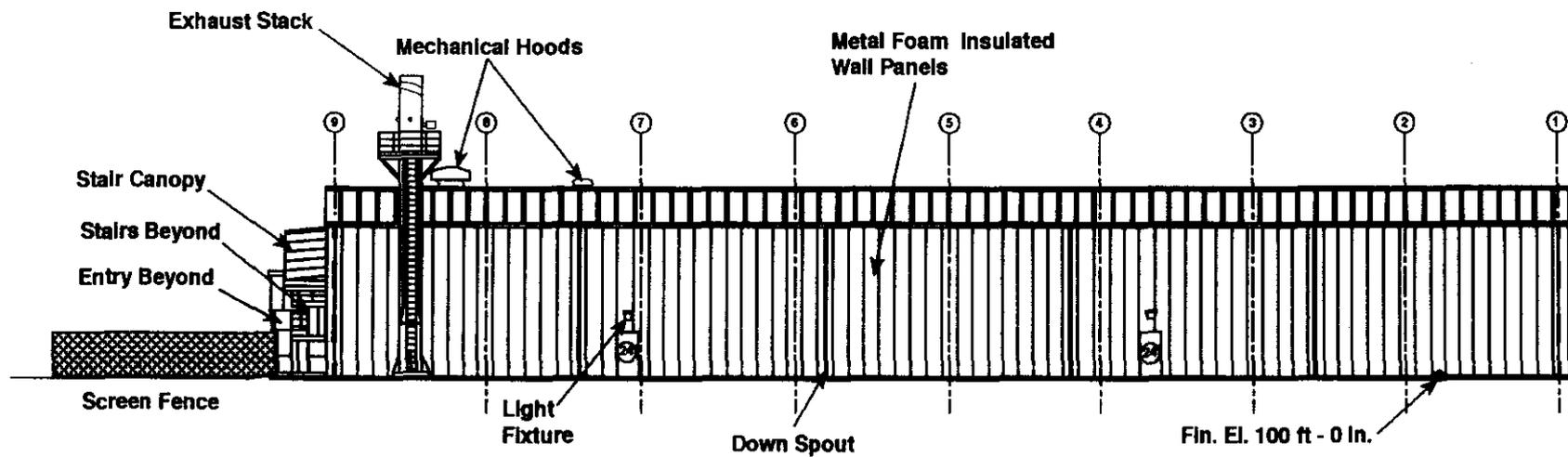


North Elevation

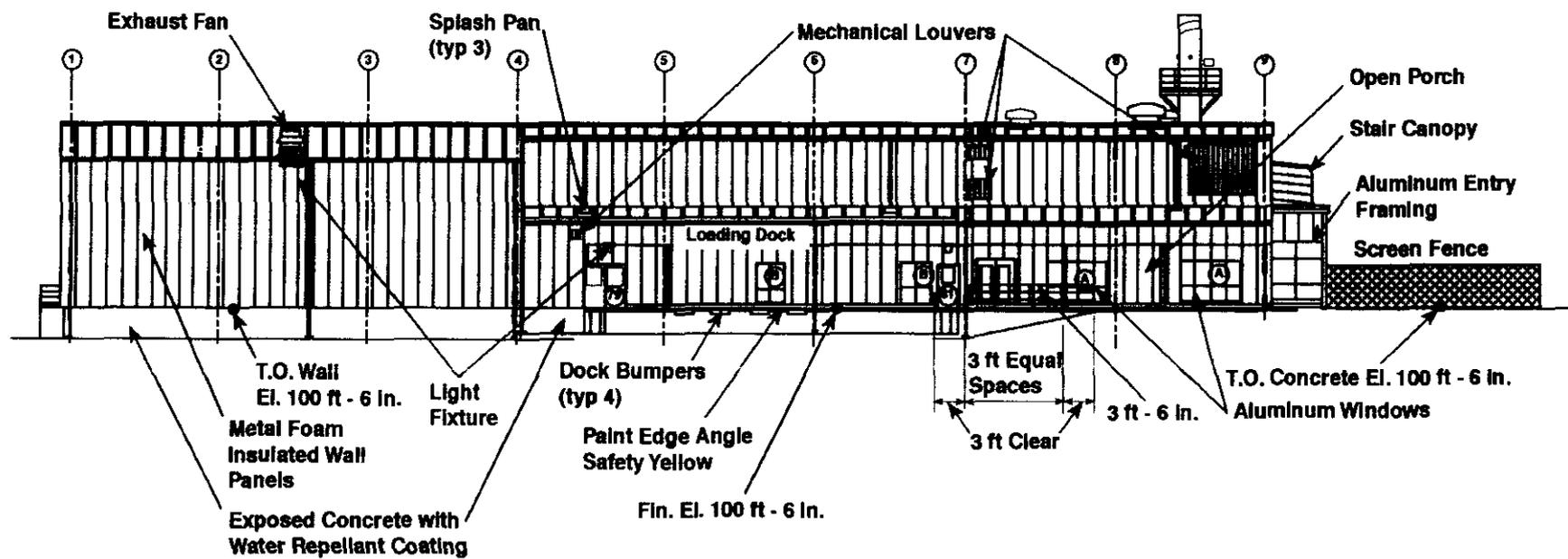
H98030043.4

Waste Receiving and Processing Facility 2336-W Building

WA7890008967



West Elevation



East Elevation

DOE/RL-88-21
 Waste Receiving and Processing Facility
 Rev. 2, 05/22/98
 Page 15 of 17

WASTE RECEIVING AND PROCESSING FACILITY



46°33'29"
119°38'24"

96050191-68CN
(PHOTO TAKEN 1996)

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

Revision

VOLUME 1

1.0	INTRODUCTION		
2.0	PERMITTING STATUS FOR DANGEROUS WASTE TREATMENT, STORAGE, AND/OR DISPOSAL UNITS		◆
3.0	FORM 1 - DANGEROUS WASTE PERMIT APPLICATION		
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	
4.1.1.2	105-DR Large Sodium Fire Facility	4	◆
4.1.1.3	1706-KE Waste Treatment System	3	
4.1.1.4	183-H Solar Evaporation Basins	4	
4.1.2	Disposal Facilities		
4.1.2.1	1301-N Liquid Waste Disposal Facility	7	
4.1.2.2	1325-N Liquid Waste Disposal Facility	7	
4.1.2.3	1324-NA Percolation Pond	3	
4.1.2.4	100-D Ponds	4	
4.2	200 AREA FACILITIES		
4.2.1	Treatment Facilities		
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4.2.1.2	200 West Area Ash Pit Demolition Site--CLOSED 10/26/95	4	
4.2.1.3	218-E-8 Borrow Pit Demolition Site--CLOSED 10/26/95	4	
4.2.1.4	242-A Evaporator	7	
4.2.1.5	Grout Treatment Facility	5	
4.2.1.6	T Plant Complex	6	
4.2.1.7	241-Z Treatment and Storage Tanks	5	
4.2.1.8	B Plant Complex	5	
4.2.1.9	222-S Laboratory Complex	6	
4.2.1.10	204-AR Waste Unloading Station	4	
4.2.1.11	PUREX Plant	8	
4.2.1.12	Hanford Waste Vitrification Plant	5	
4.2.1.13	200 Area Effluent Treatment Facility	3	◆
4.2.1.14	Waste Receiving and Processing Facility	2	◆

◆ = Revised this issue.

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

Revision

VOLUME 2

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4.2.2.1	2727-S Storage Facility--CLOSED 06/27/95	2	
4.2.2.2	Double-Shell Tank System	8	
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4.2.2.5	PUREX Storage Tunnels	5	
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4.2.2.8	Single-Shell Tank System	4	
4.2.2.9	207-A South Retention Basin	2	
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4.2.2.11	241-CX Tank System	3	
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4.2.3	Disposal Facilities		
4.2.3.1	Low-Level Burial Grounds	10	
4.2.3.2	216-S-10 Pond and Ditch	3	
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4.2.3.4	216-A-29 Ditch	3	
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4.2.3.6	216-B-63 Trench	3	
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4.2.3.9	216-A-36B Crib	1	
4.2.3.10	216-A-37-1 Crib	2	
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VOLUME 3

4.3	300 AREA FACILITIES		
4.3.1	Treatment Facilities		
4.3.1.1	3718-F Alkali Metal Treatment and Storage Area-- CLOSED 08/04/98	4	♦
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4.3.1.8	Biological Treatment Test Facilities--CLOSED 12/10/96	0	
4.3.1.9	Physical and Chemical Treatment Test Facilities-- CLOSED 05/13/96	1	
4.3.1.10	Thermal Treatment Test Facilities--CLOSED 05/13/96	0	

♦ = Revised this issue.

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

		Revision
4.3.2	Storage Facilities	
4.3.2.1	311 Tanks (incorporated into 300 Area Waste Acid Treatment System, Rev. 3)	1
4.3.2.2	303-K Storage Unit	5
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4.3.3	Disposal Facilities	
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4.4.1.1	437-MASF	3
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4.4.2.1	4843 Alkali Metal Storage Facility --CLOSED 04/14/97	3
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4.5	600 AREA FACILITIES	
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4.5.1.1	Hanford Patrol Academy Demolition Site-- CLOSED 10/26/95	4
4.5.2	Storage Facilities	
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4.6	1100 AREA FACILITIES	
4.6.1	Treatment Facilities	
4.6.1.1	Simulated High-Level Waste Slurry Treatment/Storage-- CLOSED 09/06/95	2

◆ = Revised this issue.

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

FORM 3	DANGEROUS WASTE PERMIT APPLICATION	1. EPA/STATE I.D. NUMBER
		W A 7 8 9 0 0 0 8 9 6 7

FOR OFFICIAL USE ONLY		COMMENTS
APPLICATION APPROVED	DATE RECEIVED (mo., day, & yr.)	

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)

<input type="checkbox"/> 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.)	<input type="checkbox"/> 2. NEW FACILITY (Complete item below)
--	--

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><th>MO.</th><th>DAY</th><th>YR.</th></tr> <tr><td style="text-align: center;">03</td><td style="text-align: center;">22</td><td style="text-align: center;">43</td></tr> </table>	MO.	DAY	YR.	03	22	43	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><th>MO.</th><th>DAY</th><th>YR.</th></tr> <tr><td style="text-align: center;"> </td><td style="text-align: center;"> </td><td style="text-align: center;"> </td></tr> </table>	MO.	DAY	YR.				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.
MO.	DAY	YR.												
03	22	43												
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 I above)

<input checked="" type="checkbox"/> 1. FACILITY HAS AN INTERIM STATUS PERMIT	<input checked="" type="checkbox"/> 2. FACILITY HAS A FINAL PERMIT
--	--

III. PROCESSES - 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	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:			Treatment:		
CONTAINER (barrel, drum, etc)	S01	GALLONS OR LITERS	TANK	T01	GALLONS PER DAY OR LITERS PER DAY
TANK	S02	GALLONS OR LITERS	SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS	INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS	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
Disposal:					
INJECTION WELL	D80	GALLONS OR LITERS			
LANDFILL	DB1	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			

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.

LINE NUMBER	A. PRO-CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY	LINE NUMBER	A. PRO-CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY
		1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)				1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)	
X-1	S 0 2	600	G		5				
X-2	T 0 3	20	E		6				
1	S 0 1	22,710,000	L		7				
2	T 0 4	45,420	V		8				
3					9				
4					10				

Continued from the front.

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESS (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY

The Central Waste Complex (CWC) began waste management operations in August of 1988.

T04 (Treatment-Other)

Treatment available at the CWC includes the absorption and solidification of free liquids, neutralization of corrosive materials, and stabilization and encapsulation of solid waste matrices. The maximum treatment design capacity at the CWC is 45,420 liters (11,999 gallons) per day.

IV. 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 describes the characteristics and/or the toxic contaminants of those dangerous wastes.
- B. ESTIMATED ANNUAL QUANTITY - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE		CODE	METRIC UNIT OF MEASURE		CODE
POUNDS	.....	P	KILOGRAMS	.....	K
TONS	.....	T	METRIC TONS	.....	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

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

For non-listed dangerous wastes: For each characteristic or toxic contaminant entered in Column A, select the code(s) from the list of process codes contained in Section III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed dangerous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

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

NOTE: DANGEROUS WASTES DESCRIBED BY MORE THAN ONE DANGEROUS WASTE NUMBER - Dangerous wastes that can be described by more than one Waste Number shall be described on the form as follows:

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

EXAMPLE FOR COMPLETING SECTION IV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 800 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))
-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2			T 0 3 D 8 0	included with above

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

D. NUMBER (entered from page 1)
 W A 7 8 9 0 0 0 8 8 8 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES										
				1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))						
1	D 0 0 1	4,600	K	S01	T04					Storage-Container/Treatment-Other				
2	D 0 0 2	1,000												
3	D 0 0 3	↓												
4	D 0 0 4	300												
5	through	↓												
6	D 0 0 7	↓												
7	D 0 0 8	45,400												
8	D 0 0 9	300												
9	through	↓												
10	D 0 4 3	↓												
11	W S C 2	↓												
12	W T 0 1	363,200												
13	W T 0 2	36,000												
14	W P 0 1	3,700												
15	through	↓												
16	W P 0 3	↓												
17	W 0 0 1	10,000												
18	F 0 0 1	3,700												
19	through	↓												
20	F 0 0 5	↓												
21	F 0 2 0	↓												
22	F 0 2 1	300												
23	through	↓												
24	F 0 2 3	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
25														
26														

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

D. NUMBER (entered 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	F 0 2 6	300	K	S01	T04			Storage-Container/Treatment-Other
2	through							
3	F 0 2 8							
4	F 0 3 9							
5	U 0 0 1							
6	through							
7	U 0 1 2							
8	U 0 1 4							
9	through							
10	U 0 3 9							
11	U 0 4 1							
12	through							
13	U 0 5 3							
14	U 0 5 5							
15	through							
16	U 0 6 4							
17	U 0 6 6							
18	through							
19	U 0 9 9							
20	U 1 0 1							
21	through							
22	U 1 0 3							
23	U 1 0 5							
	through							
25	U 1 3 8							
26								

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

D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

D. PROCESSES

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U 1 4 0	300	K	S01	T04			Storage-Container/Treatment-Other
2	through							
3	U 1 7 4							
4	U 1 7 6							
5	through							
6	U 1 9 4							
7	U 1 9 6							
8	U 1 9 7							
9	U 2 0 0							
0	through							
11	U 2 2 3							
12	U 2 2 5							
13	through							
14	U 2 2 8							
15	U 2 3 0							
16	through							
17	U 2 4 0							
18	U 2 4 2							
19	through							
20	U 2 4 4							
21	U 2 4 6							
22	through							
23	U 2 4 9							
	U 2 7 1							
25								
26								

Continued from page 2.
 NOTE: Photocopy this page before completing if you have more than 26 wastes to list.
 I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

I. 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 D1)
1 U 2 7 7	300	K	S01 T04	Storage-Container/Treatment-Other
2 through				
3 U 2 8 0				
4 U 3 2 8				
5 U 3 5 3				
6 U 3 5 9				
7 U 3 6 4				
8 through				
9 U 3 6 7				
10 U 3 7 2				
11 U 3 7 3				
12 U 3 7 5				
13 through				
14 U 3 7 9				
15 U 3 8 1				
16 through				
17 U 3 8 7				
18 U 3 8 9				
18 through				
20 U 3 9 6				
21 U 4 0 0				
22 through				
23 U 4 0 4				
U 4 0 7				
25				
26				

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

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 8 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				2. PROCESS DESCRIPTION (if a code is not entered in D(1))
				1. PROCESS CODES (enter)				
1	U 4 0 9	300	K	S01	T04			Storage-Container/Treatment-Other
2	through							
3	U 4 1 1							
4	P 0 0 1							
5	through							
6	P 0 1 8							
7	P 0 2 0							
8	through							
9	P 0 2 4							
10	P 0 2 6							
11	through							
12	P 0 3 1							
13	P 0 3 3							
14	P 0 3 4							
15	P 0 3 6							
16	through							
17	P 0 5 1							
18	P 0 5 4							
19	P 0 5 6							
20	through							
21	P 0 6 0							
22	P 0 6 2							
23	through							
	P 0 7 8							
25	P 0 8 1							
26	P 0 8 2							

Continued from page 2.
 NOTE: Photocopy this page before completing if you have more than 26 wastes to list.
 I.D. NUMBER (entered 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	P 0 8 4	300	K	S01 T04	Storage-Container/Treatment-Other
2	P 0 8 5				
3	P 0 8 7				
4	through				
5	P 0 8 9				
6	P 0 9 2				
7	through				
8	P 0 9 9				
9	P 1 0 1				
10	through				
11	P 1 1 6				
12	P 1 1 8				
13	through				
14	P 1 2 3				
15	P 1 2 7				
16	P 1 2 8				
17	P 1 8 5				
18	P 1 8 8				
19	through				
20	P 1 9 2				
21	P 1 9 4				
22	P 1 9 6				
23	through				
24	P 1 9 9				
25					
26					

Continued from page 2.
 NOTE: Photocopy this page before completing if you have more than 26 wastes to list.
 5. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 8 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	P 2 0 1	300	K	S01	T04		Storage-Container/Treatment-Other
2	through	↓	↓	↓	↓		↓
3	P 2 0 5	↓	↓	↓	↓		Included With Above
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							

Continued from the front.

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

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

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

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

VI. PHOTOGRAPHS Refer to attached photograph(s).

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

VII. FACILITY GEOGRAPHIC LOCATION This information is provided on the attached drawing(s) and photograph(s).

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

VIII. FACILITY OWNER

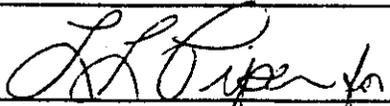
A. If the facility owner is also the facility operator as listed in Section VII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

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) John D. Wagoner, Manager U.S. Department of Energy Richland Operations Office	SIGNATURE 	DATE SIGNED 5/27/98
---	---	------------------------

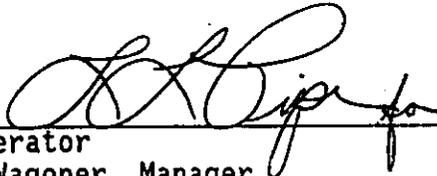
X. OPERATOR CERTIFICATION

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

NAME (print or type) SEE ATTACHMENT	SIGNATURE	DATE SIGNED
--	-----------	-------------

X. OPERATOR CERTIFICATION

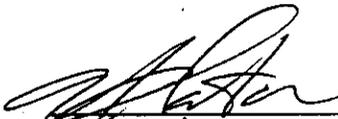
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true,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



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

Date

5/22/98

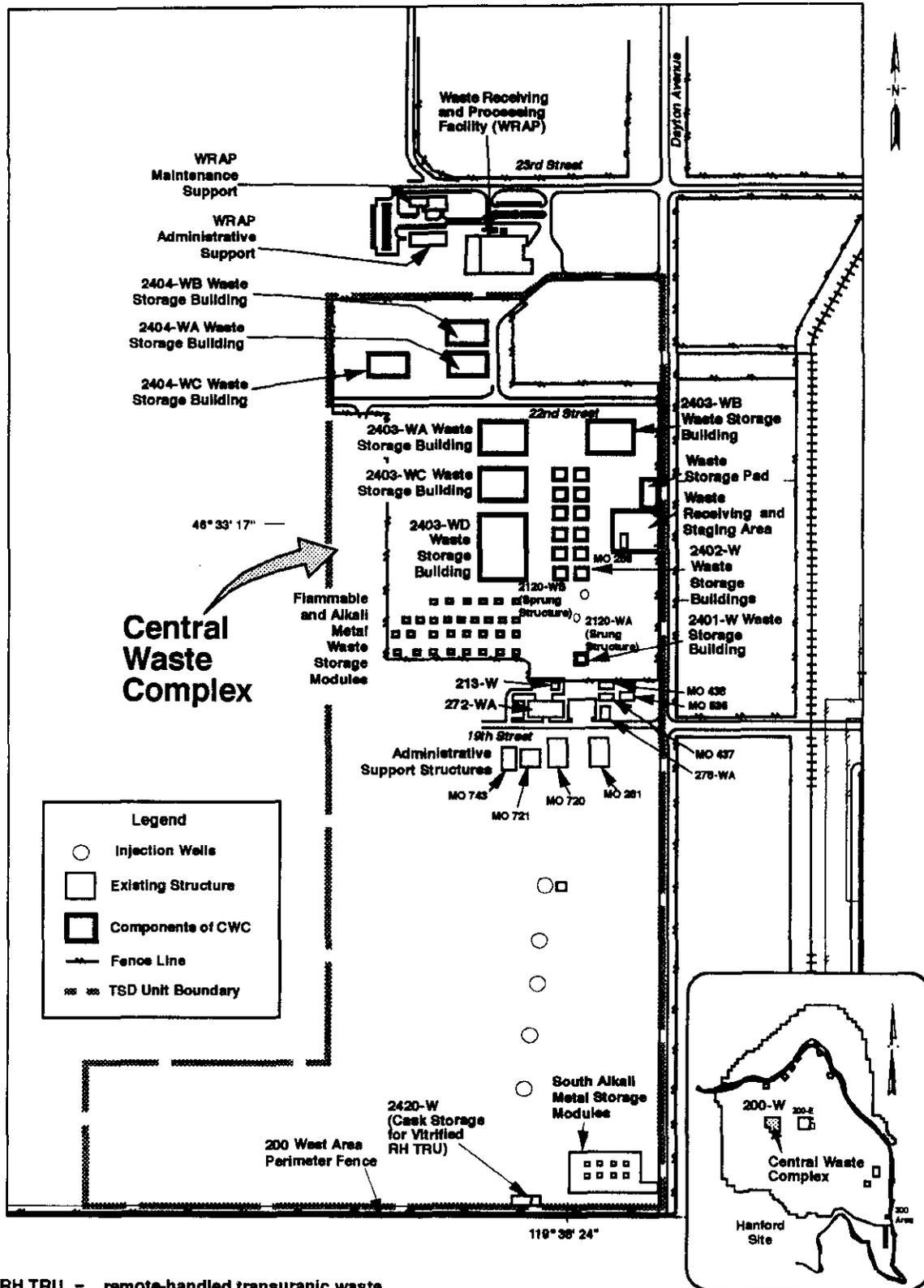


Co-operator
H. J. Hatch,
President and Chief Executive Officer
Fluor Daniel Hanford, Inc.

Date

May 14, 1998

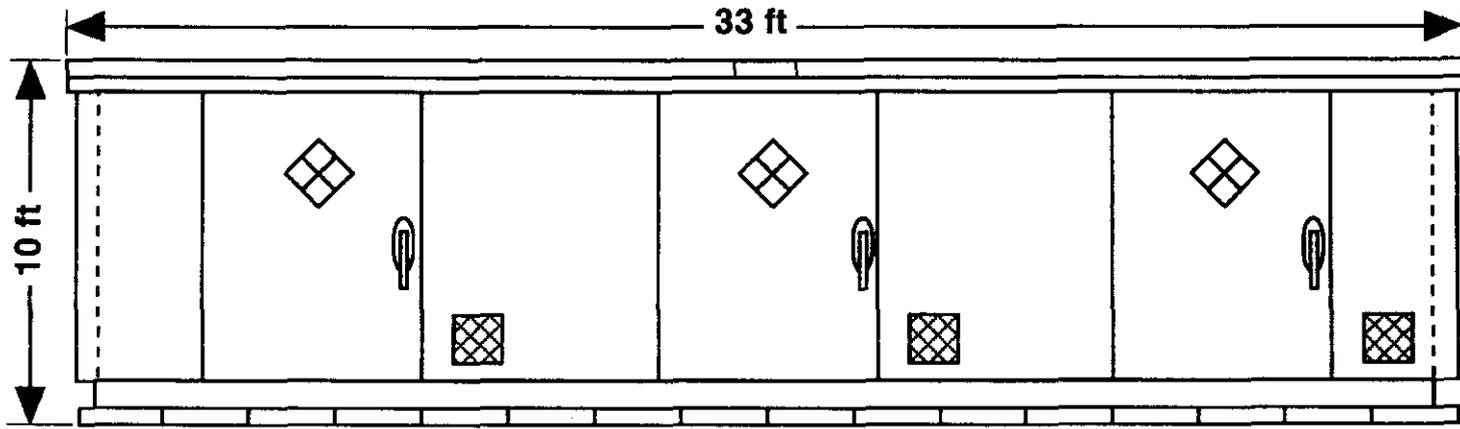
Central Waste Complex Site Plan



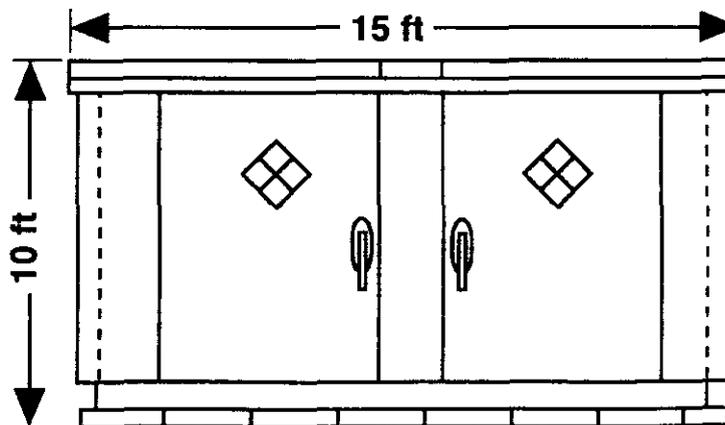
RH TRU = remote-handled transuranic waste.
 Not to scale.
 Refer to topographic map (H-13-000003) for detail.

H98040178.11R1

Typical Large Waste Storage Module Front View



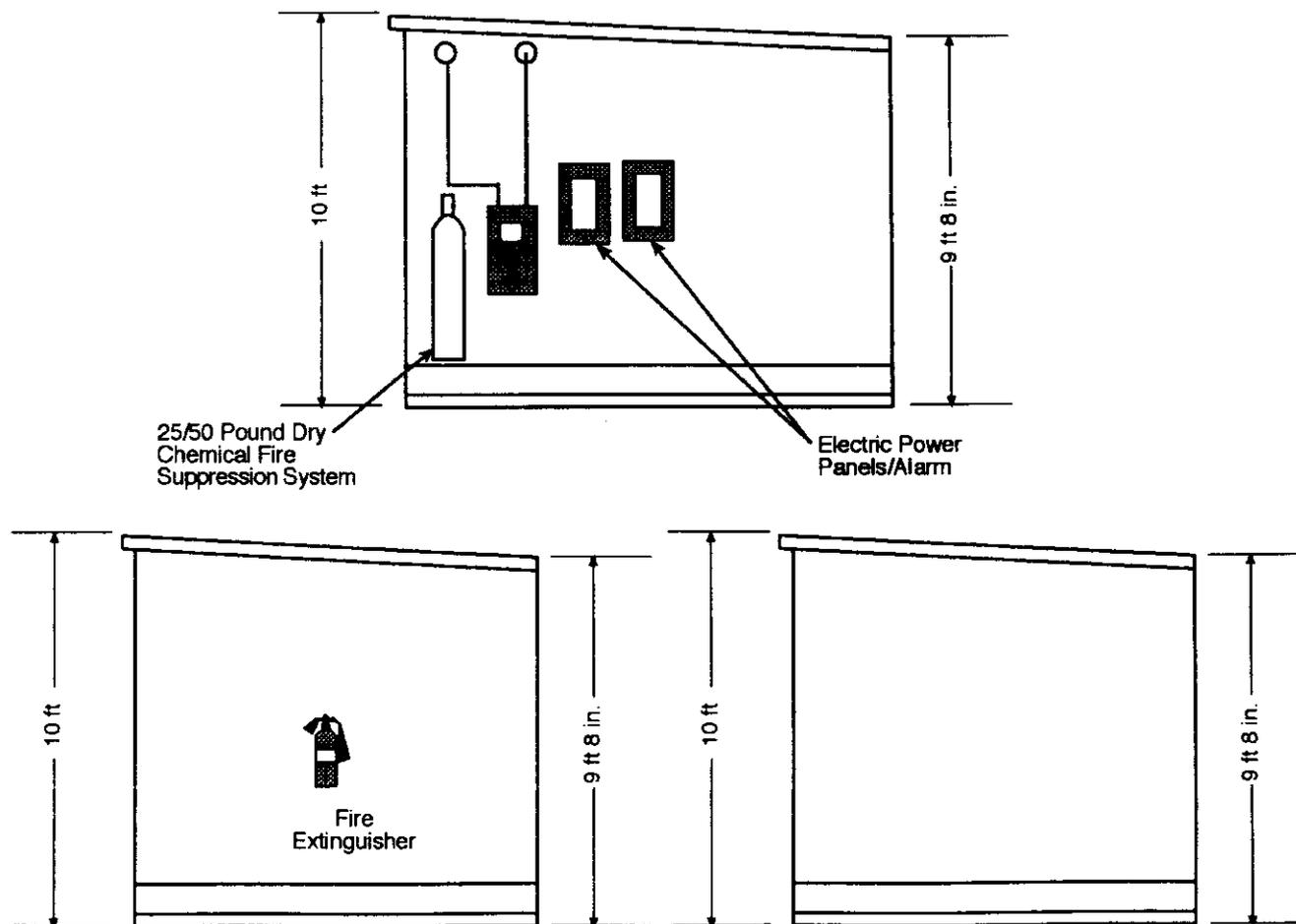
Typical Small Waste Storage Module Front View



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

Flammable and Alkali Metal Waste Storage Module

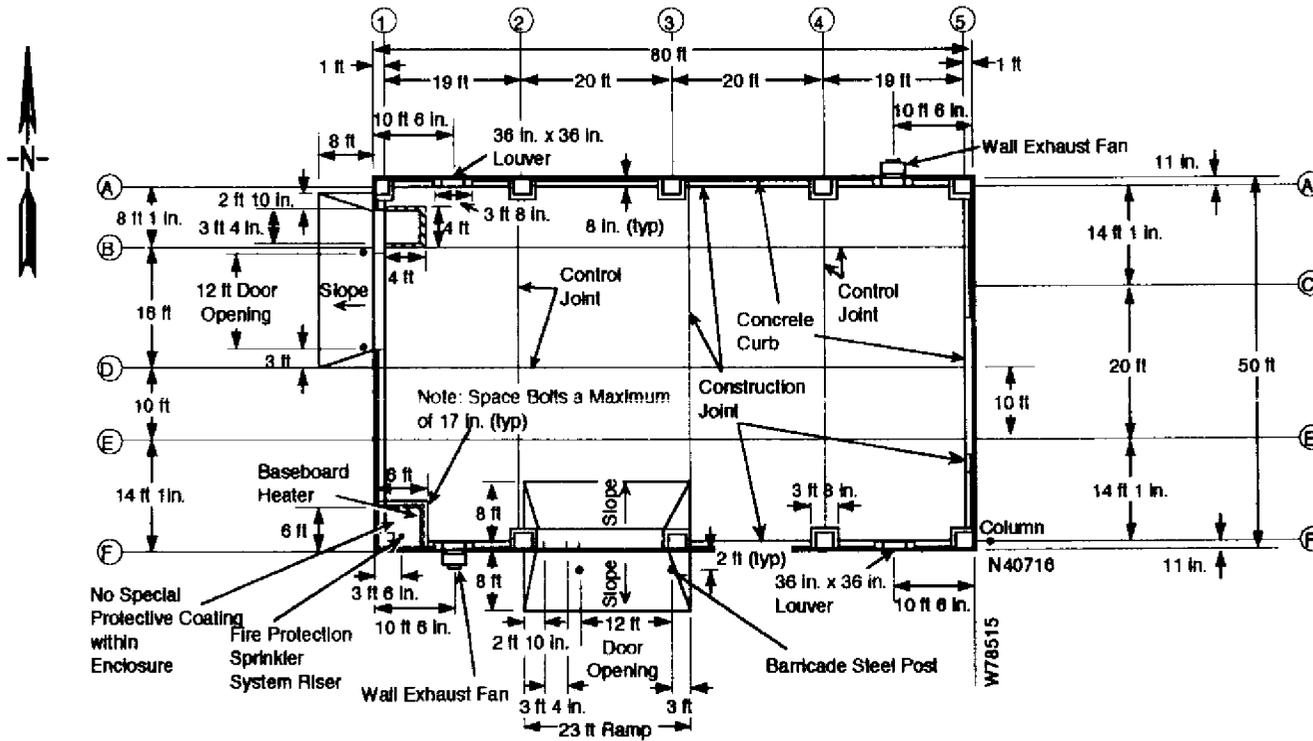
Side View



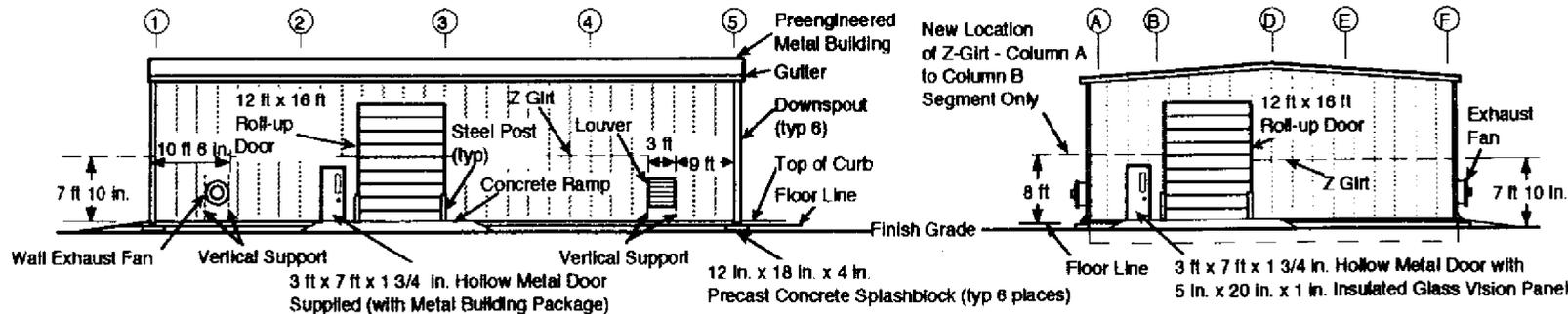
Note: To convert feet to meters, multiply by 0.3048.
 To convert inches to centimeters, multiply by 2.54.
 To convert to pounds to kilograms, multiply by 0.453.
 Lights, electrical panels, and fire suppression systems have been deactivated in selected modules.

H98010038.1R1

2401-W Waste Storage Building Plan and Elevations



Foundation/Floor Plan



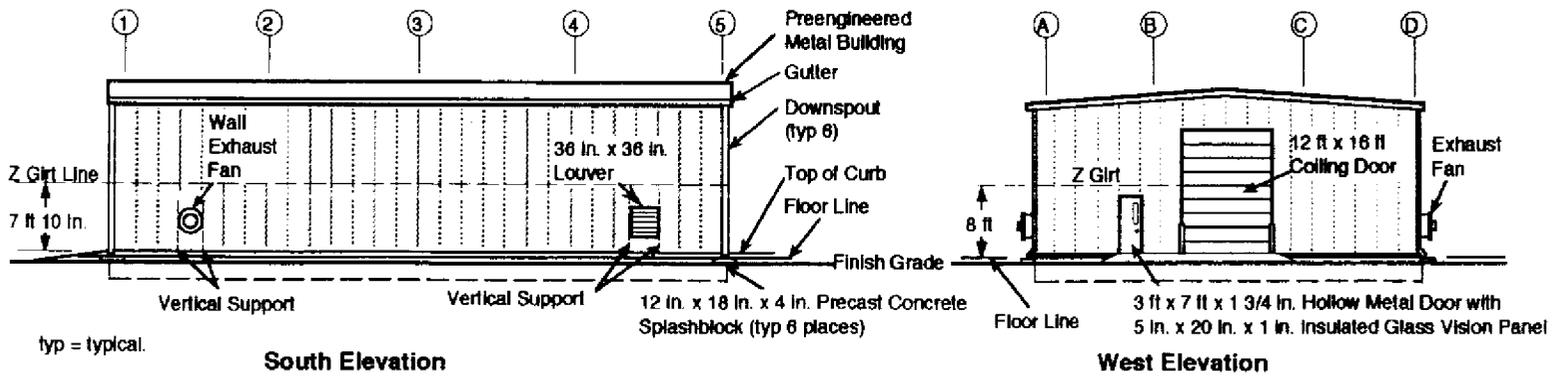
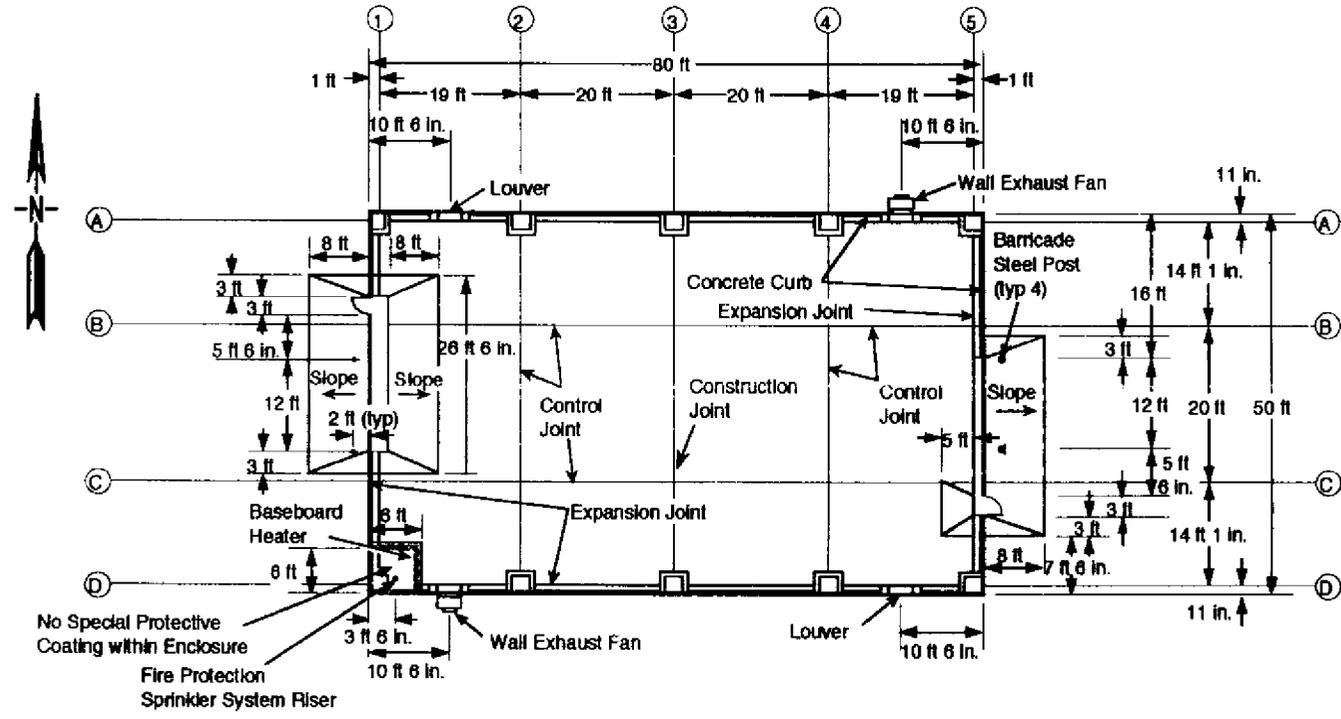
South Elevation

West Elevation

typ = typical.

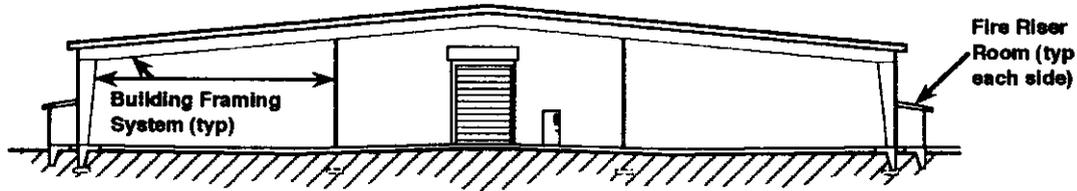
Note: To convert feet to meter, multiply by 0.3048.
To convert inches to centimeters, multiply by 2.54.

Typical Waste Storage Buildings (2402-W and 2402-WB through 2402-WL) Plan and Elevations

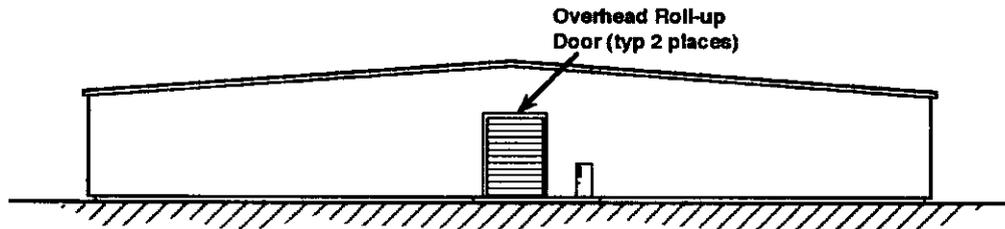


Note: To convert feet to meters, multiply by 0.3048.
To convert inches to centimeters, multiply by 2.54.

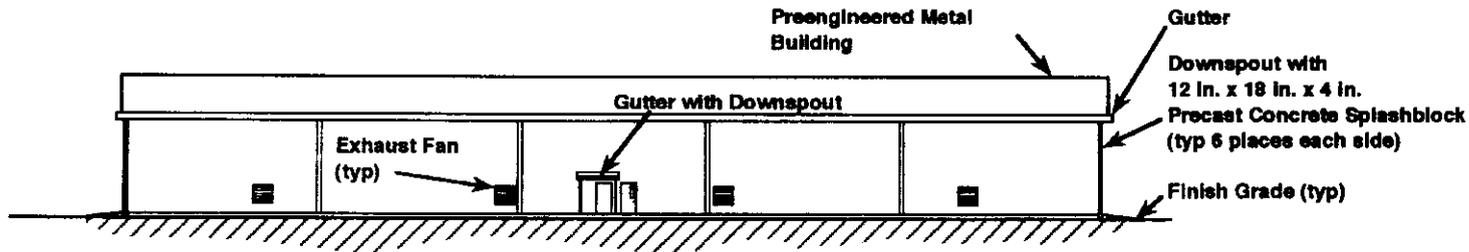
Typical Waste Storage Building (2403-WA through WC) Elevations



Section



East Elevation (West Elevation Similar)



North Elevation (South Elevation Similar)

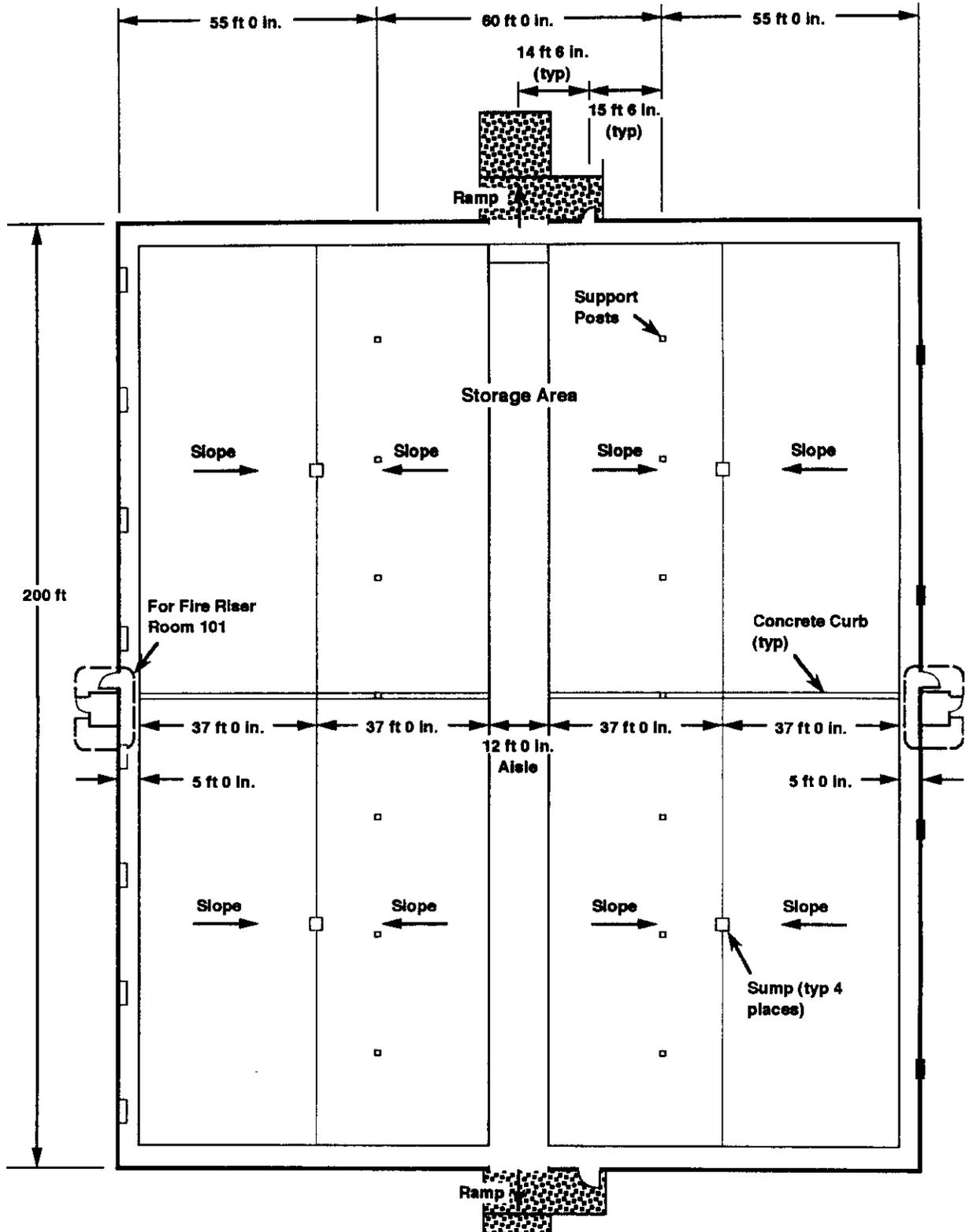
typ = typical.

Not to scale.

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

H98040178.4R2

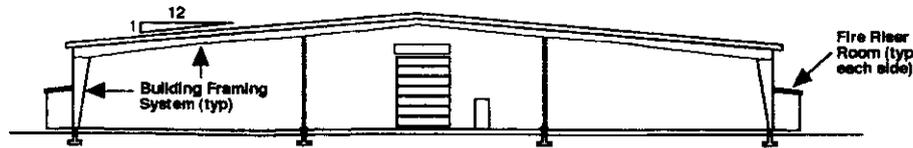
Typical Waste Storage Building (2403-WA through WC) Plan



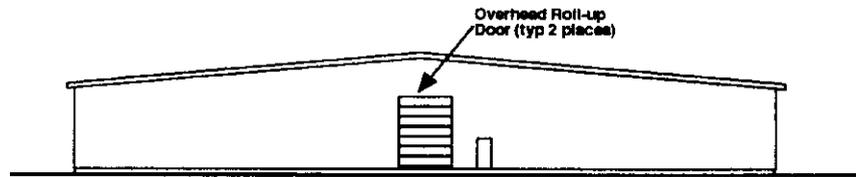
typ = typical.

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

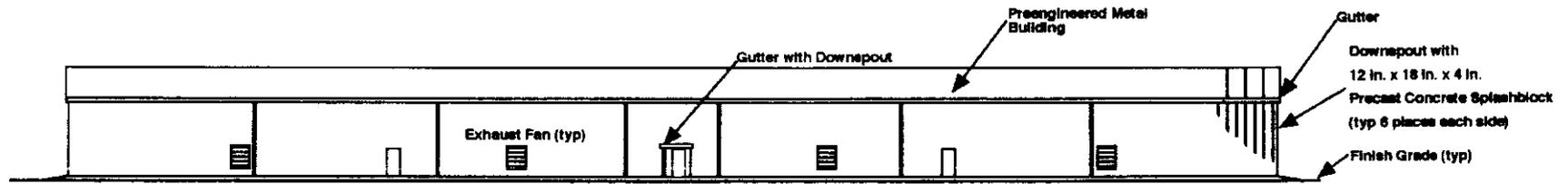
Waste Storage Building (2403-WD)



Section



North Elevation



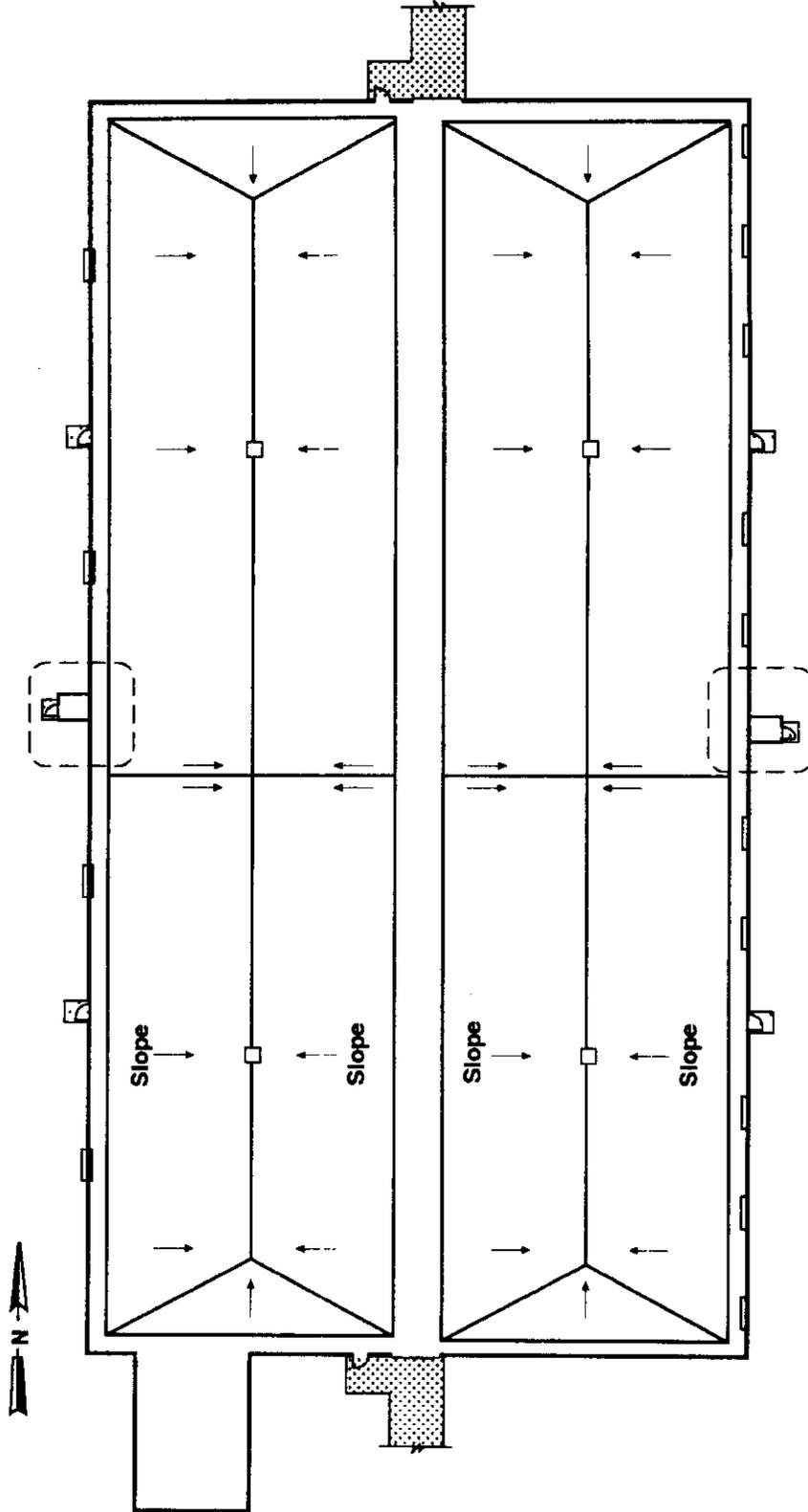
West Elevation

Metric Conversion: 2.54 centimeters per Inch
0.305 meter per foot

typ = typical.

39304068.11 R2

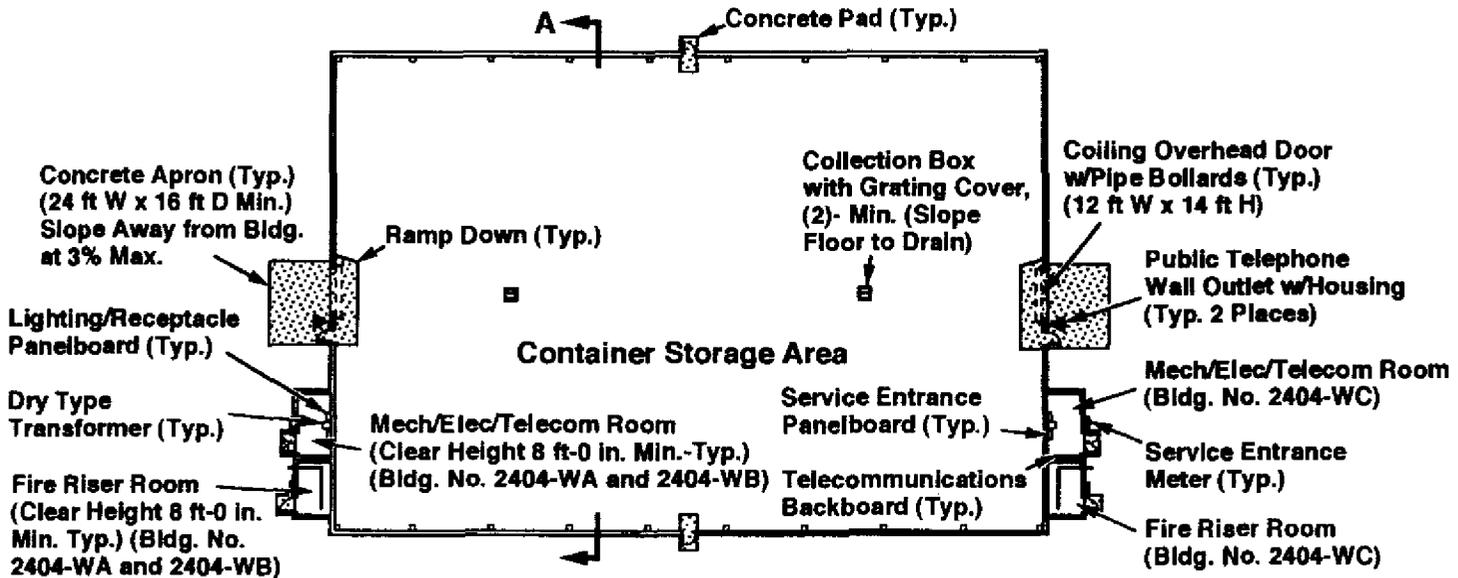
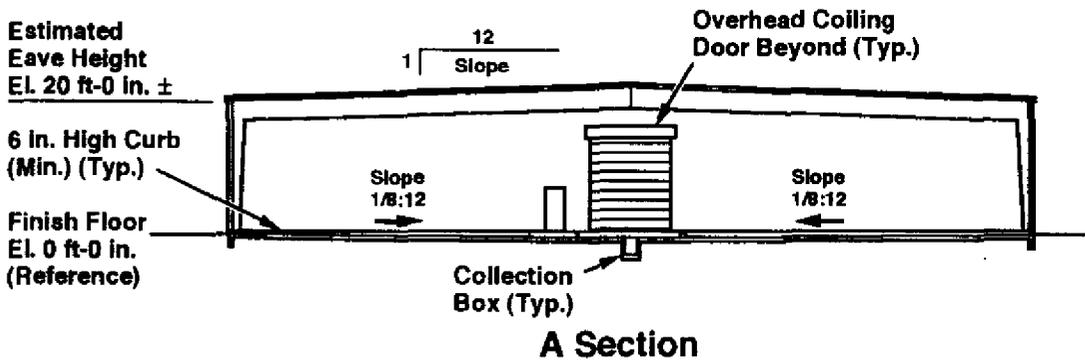
Waste Storage Building (2403-WD)



H-88040178.2

Not to scale.

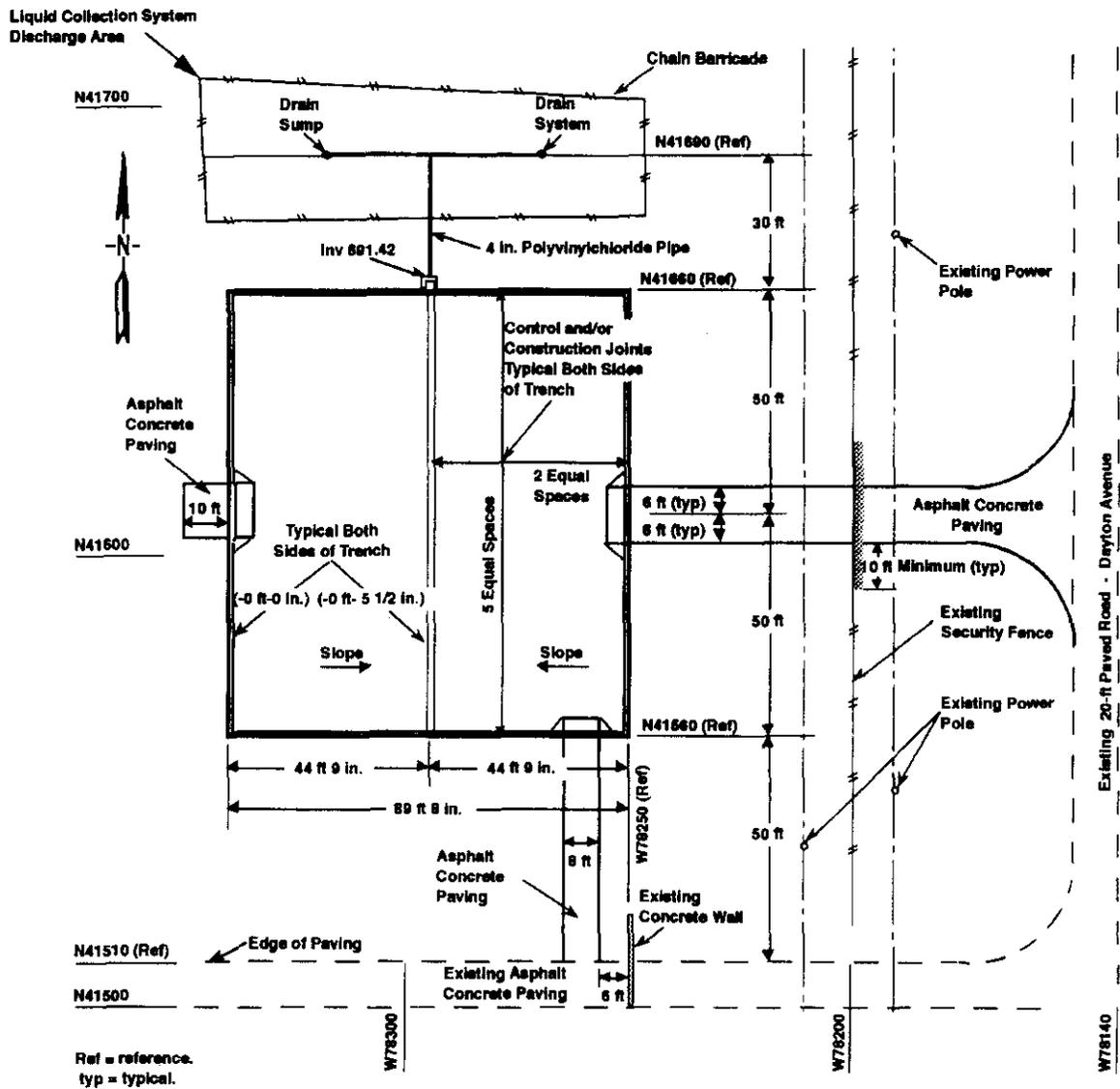
Typical Waste Storage Building (2404-WA through WC)



Min = minimum.
Typ = typical.
Not to scale.
Note: To convert feet to meters, multiply by 0.3048.
To convert inches to centimeters, multiply by 2.54.

H96080291.1R2

Waste Storage Pad Civil Plan



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

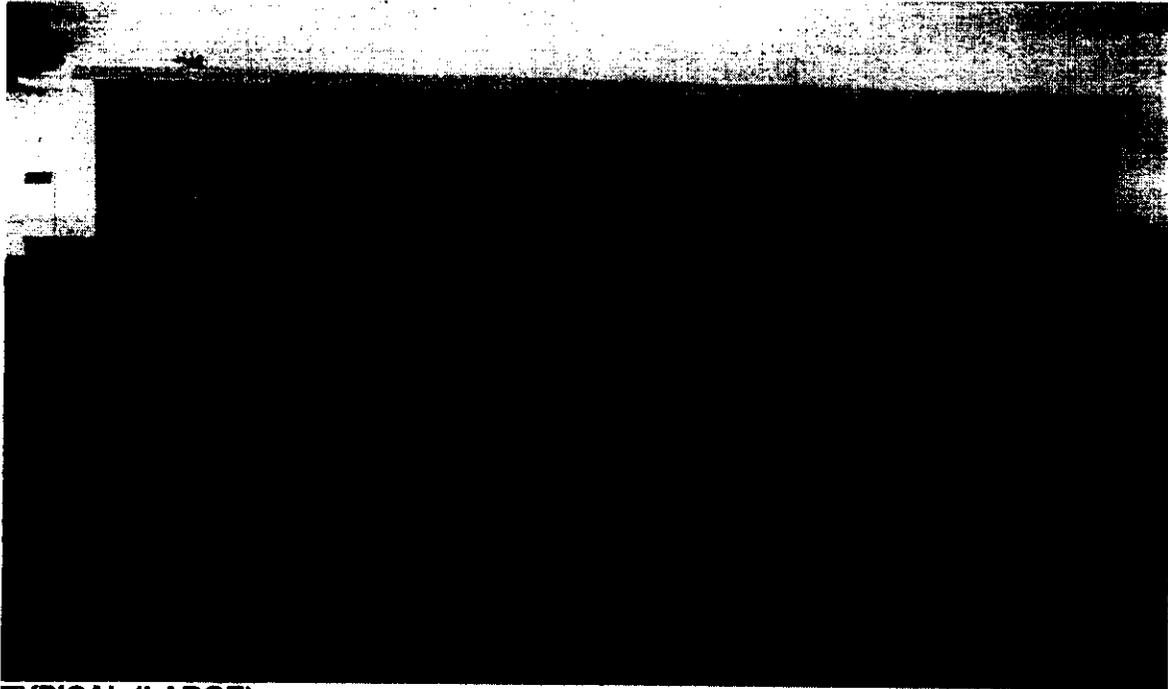
CENTRAL WASTE COMPLEX AERIAL VIEW



46°33'17"
119°38'24"

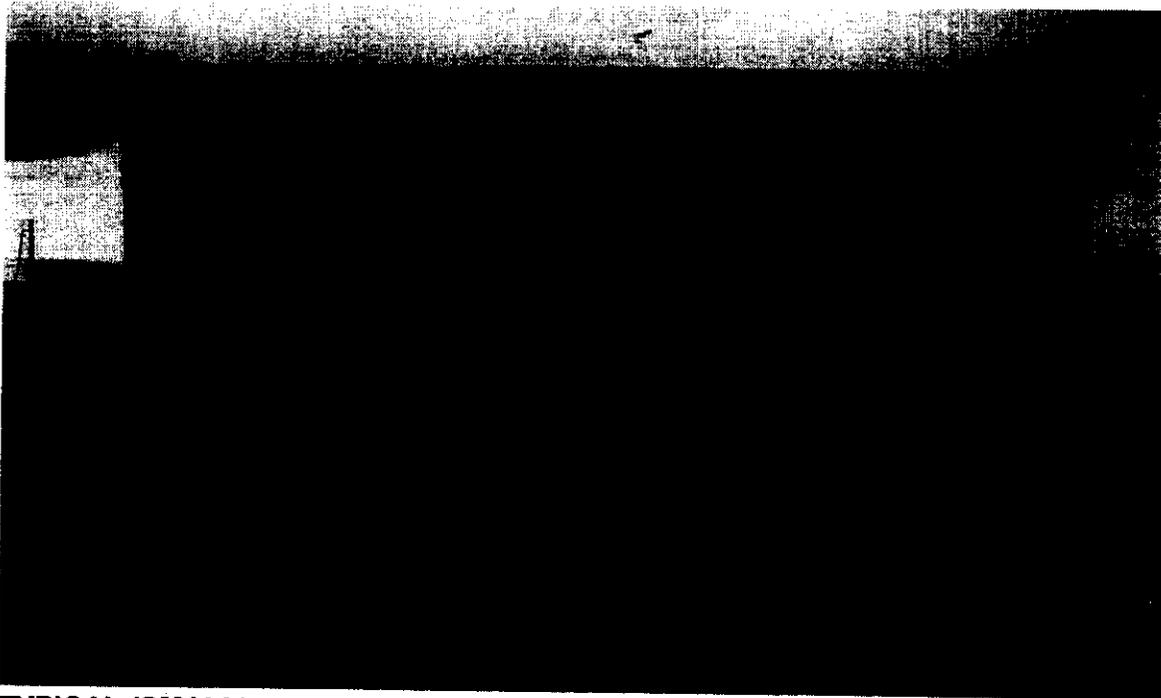
98030102-41CN
(PHOTO TAKEN 1998)

CENTRAL WASTE COMPLEX FLAMMABLE AND ALKALI METAL WASTE STORAGE MODULES



TYPICAL (LARGE)
46° 33' 17"
119° 38' 24"

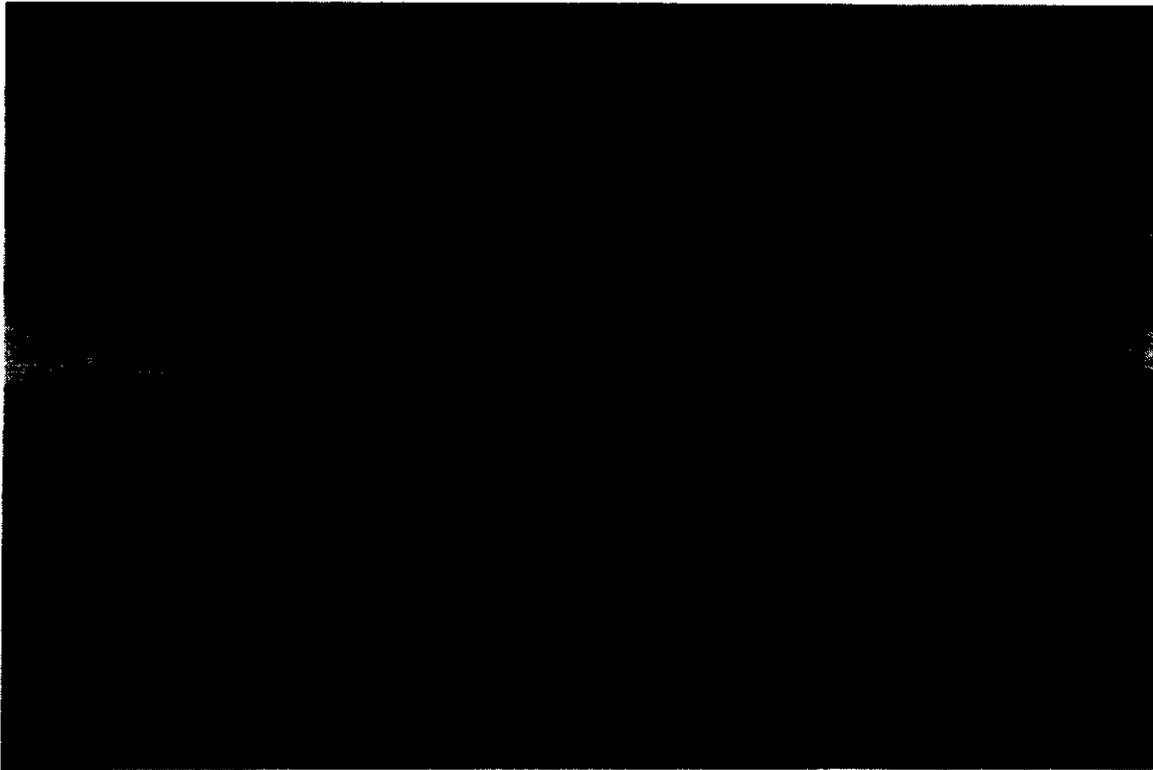
93040010-9CN
(PHOTO TAKEN 1993)



TYPICAL (SMALL)
46° 33' 17"
119° 38' 24"

93040010-11CN
(PHOTO TAKEN 1993)

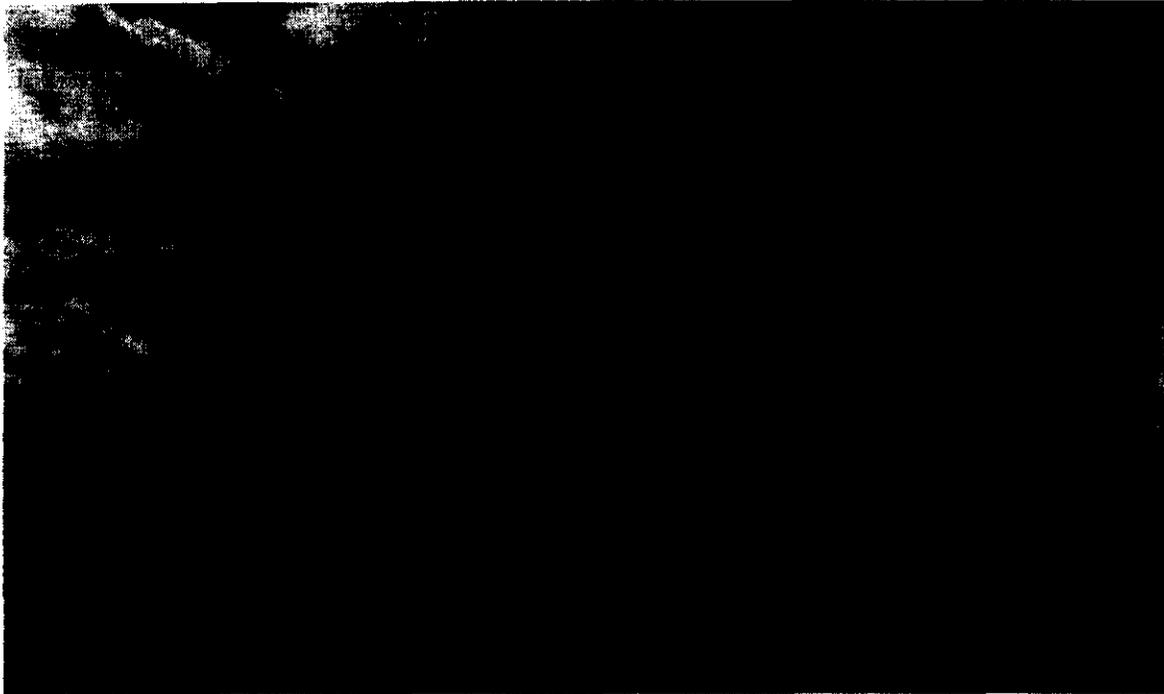
CENTRAL WASTE COMPLEX WASTE STORAGE BUILDING



TYPICAL (2401-W)
46°33'17"
119°38'24"

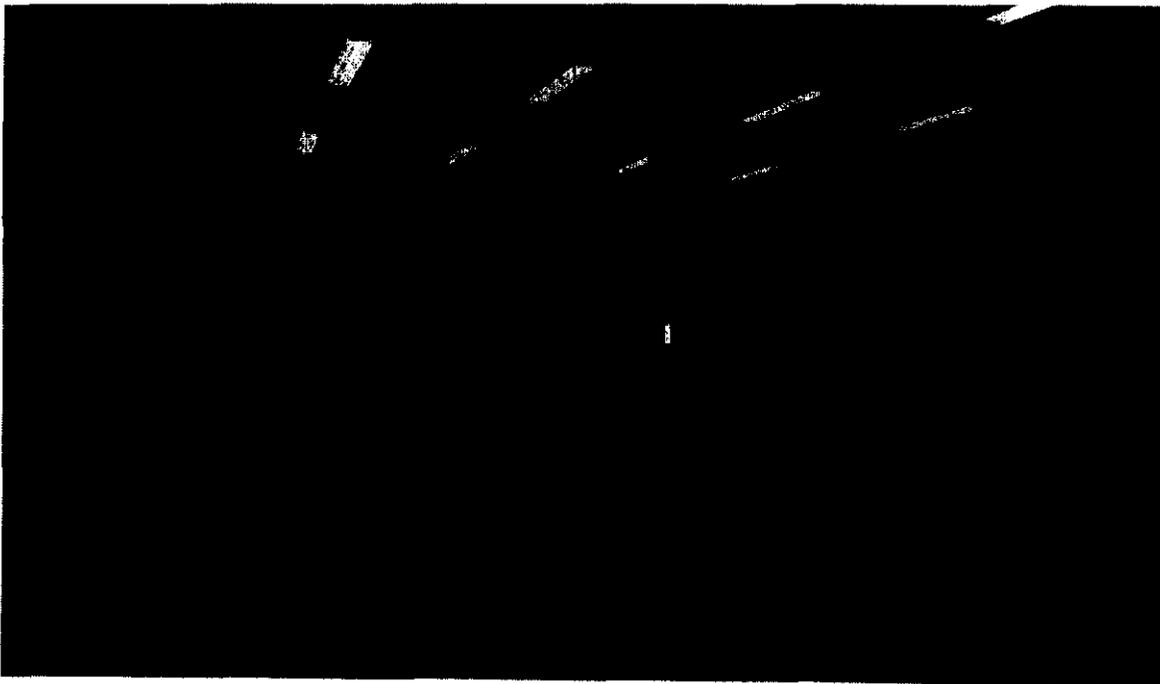
90061110-44CN
(PHOTO TAKEN 1990)

CENTRAL WASTE COMPLEX WASTE STORAGE BUILDING



TYPICAL (2402-W, 2402-WB THROUGH 2402-WL)
46°33'17"
119°38'24"

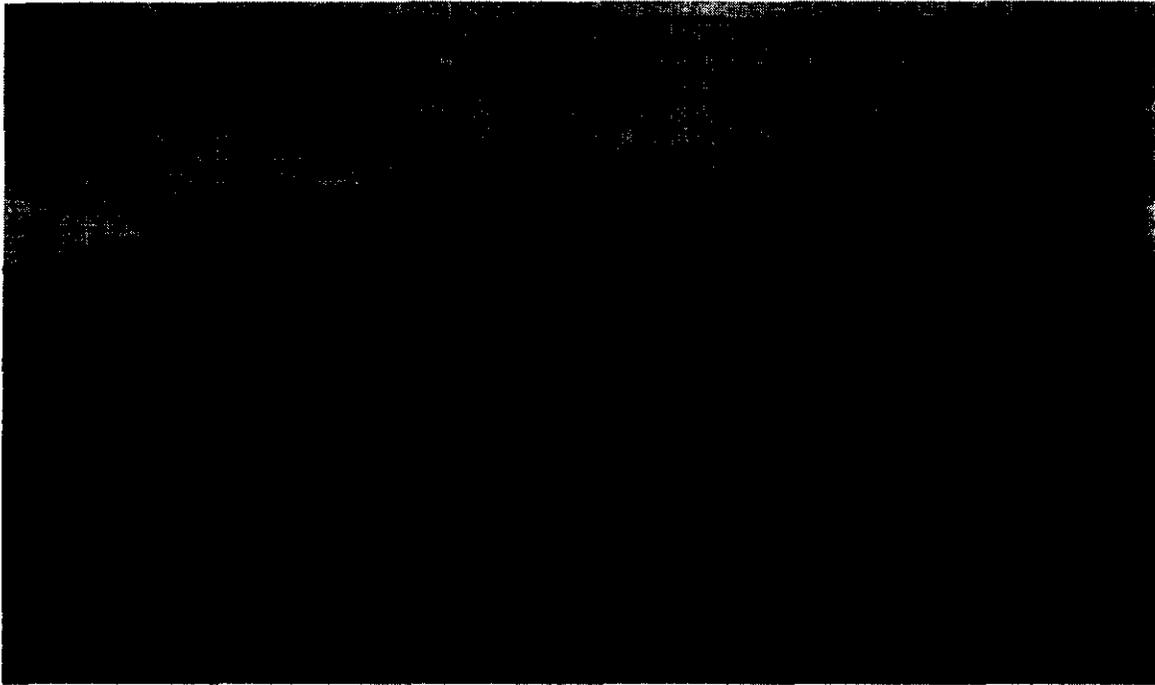
90061110-26CN
(PHOTO TAKEN 1990)



TYPICAL (INTERIOR)
46°33'17"
119°38'24"

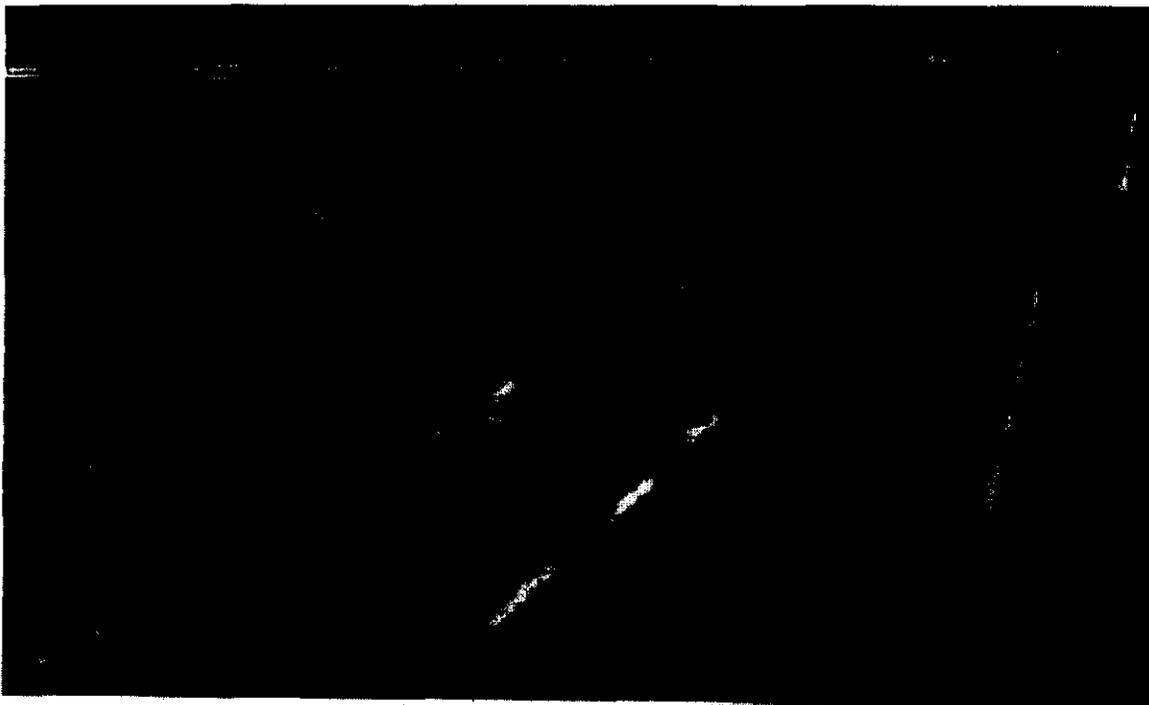
90061110-10CN
(PHOTO TAKEN 1990)

CENTRAL WASTE COMPLEX WASTE STORAGE BUILDING



TYPICAL (2403-WA, WB, AND WC)
46°33'17"
119°38'24"

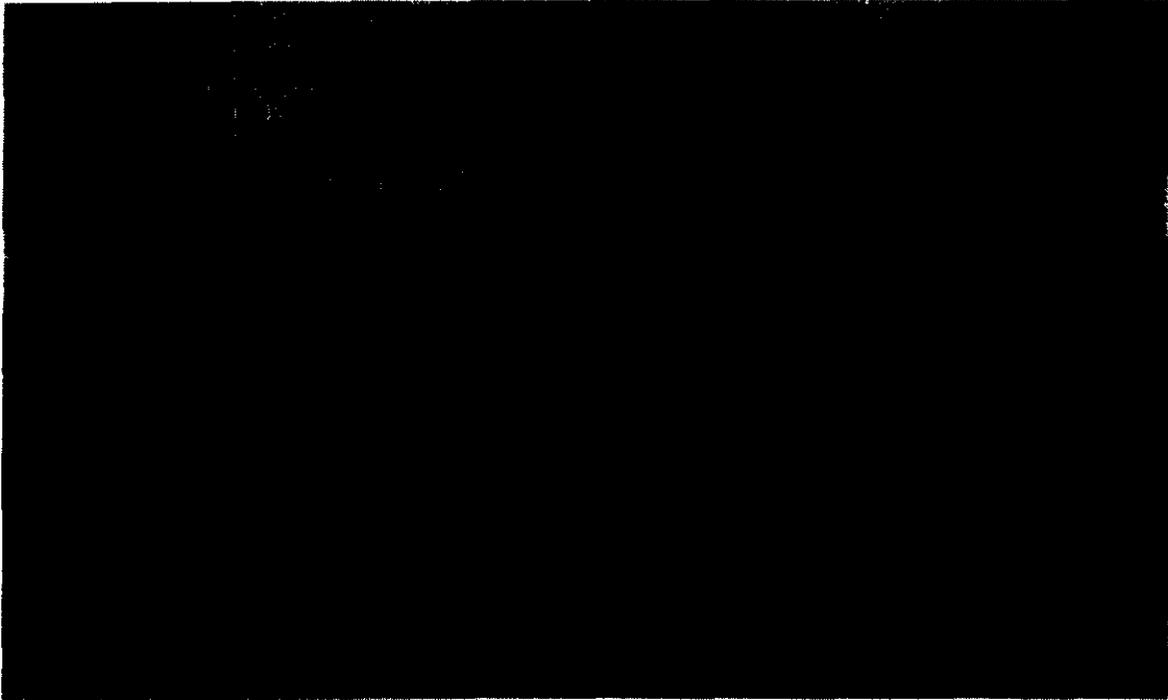
93040010-22CN
(PHOTO TAKEN 1993)



TYPICAL (INTERIOR)
46°33'17"
119°38'24"

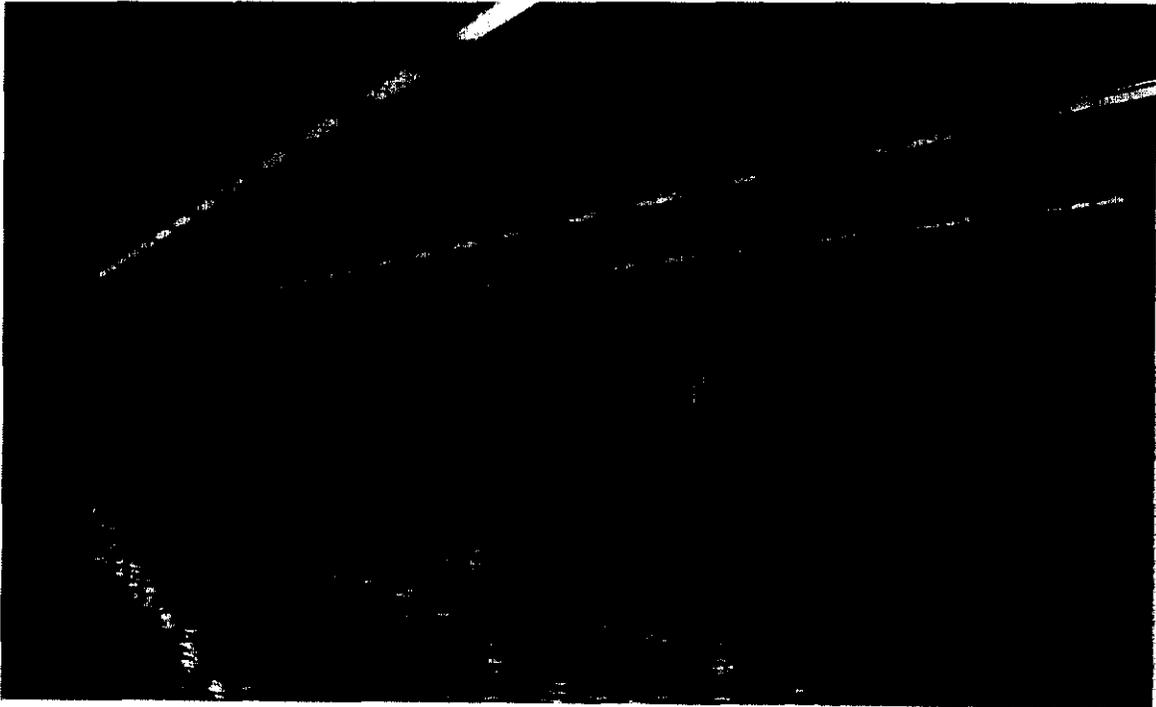
93040010-25CN
(PHOTO TAKEN 1993)

CENTRAL WASTE COMPLEX WASTE STORAGE BUILDING



TYPICAL (2403-WD)
46°33'17"
119°38'24"

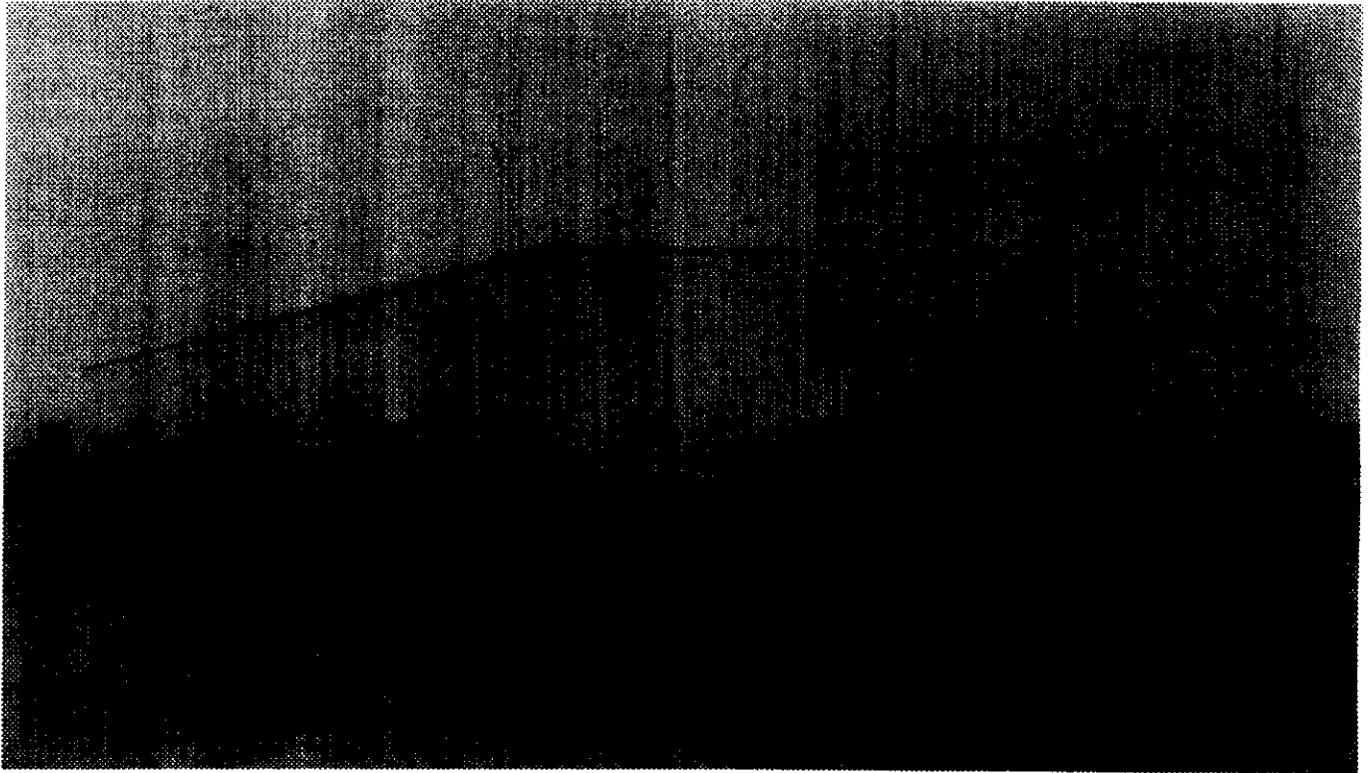
93040010-13CN
(PHOTO TAKEN 1993)



TYPICAL (INTERIOR)
46°33'17"
119°38'24"

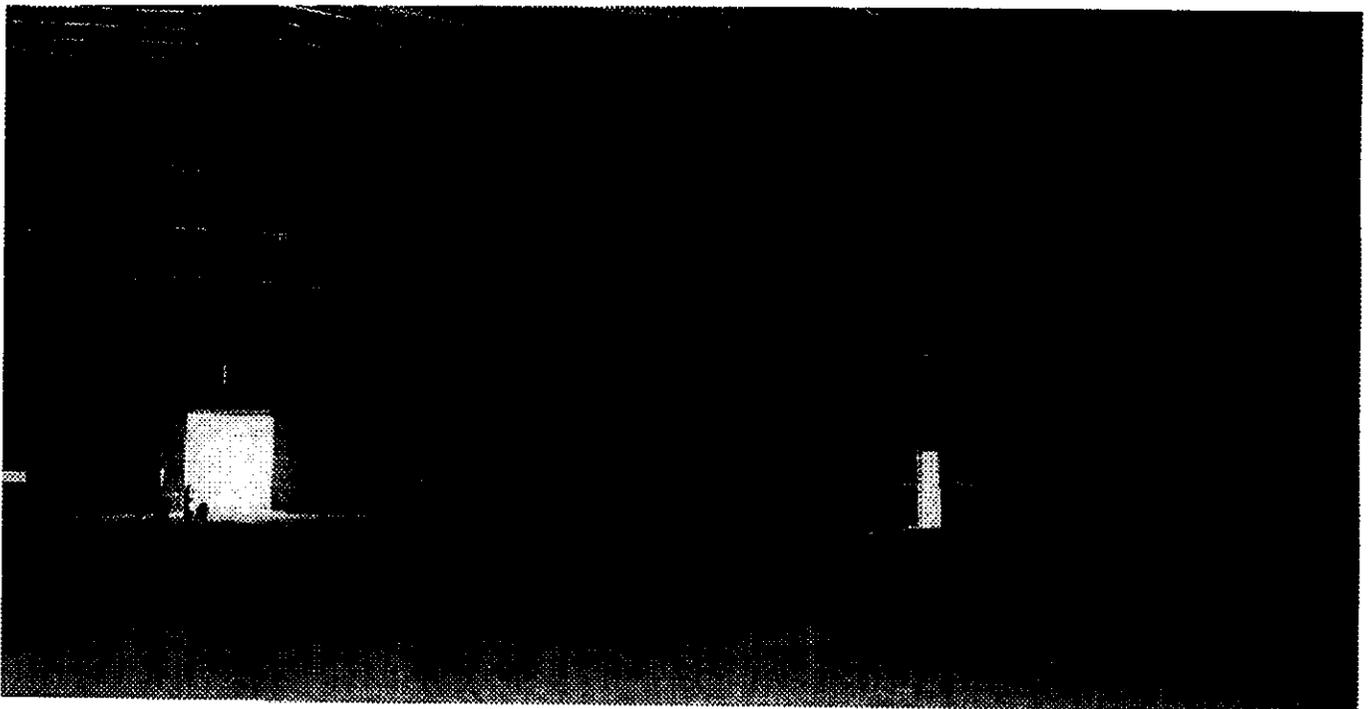
93040010-16CN
(PHOTO TAKEN 1993)

CENTRAL WASTE COMPLEX WASTE STORAGE BUILDING



TYPICAL (2404-WA, WB, and WC)
46°33'17"
119°38'24"

96080579-29CN
(PHOTO TAKEN 1996)



TYPICAL (INTERIOR)
46°33'17"
119°38'24"

96080579-32CN
(PHOTO TAKEN 1996)

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

FORM 3	DANGEROUS WASTE PERMIT APPLICATION	1. EPA/STATE I.D. NUMBER
		W A 7 8 9 0 0 0 8 9 6 7

FOR OFFICIAL USE ONLY		COMMENTS
APPLICATION APPROVED	DATE RECEIVED (mo., day, & yr.)	

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)

<input type="checkbox"/> 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.)	<input type="checkbox"/> 2. NEW FACILITY (Complete item below.)
--	---

MO.	DAY	YR.	* 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.
03	22	43	

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 I above)

<input checked="" type="checkbox"/> 1. FACILITY HAS AN INTERIM STATUS PERMIT	<input checked="" type="checkbox"/> 2. FACILITY HAS A FINAL PERMIT
--	--

III. PROCESSES - 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 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	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage			Treatment		
CONTAINER (barrel, drum, etc.)	S01	GALLONS OR LITERS	TANK	T01	GALLONS PER DAY OR LITERS PER DAY
TANK	S02	GALLONS OR LITERS	SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS	INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS	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
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			

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	HECATRES	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.

LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY			FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY			FOR OFFICIAL USE ONLY
		1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)						1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)	
X-1	S 0 2	600	G			5					
X-2	T 0 3	20	E			6					
1	S04	88,500,000	L			7					
2	T02	88,500,000	V			8					
3						9					
4						10					

Continued from the front.

III. PROCESSES (continued)

2. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESS (code "TO4"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY

Construction of the Liquid Effluent Retention Facility (LERF) began in 1990. Waste management operations began at LERF in April of 1994.

IV. 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 describes the characteristics and/or the toxic contaminants of those dangerous wastes.

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

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

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS.....	P	KILOGRAMS.....	K
TONS.....	T	METRIC TONS.....	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

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

For non-listed dangerous wastes: For each characteristic or toxic contaminant entered in Column A, select the code(s) from the list of process codes contained in Section III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed dangerous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above, (2) Enter "000" in the extreme right box of item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

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

NOTE: DANGEROUS WASTES DESCRIBED BY MORE THAN ONE DANGEROUS WASTE NUMBER - Dangerous wastes that can be described by more than one Waste Number shall be described on the form as follows:

- 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.
- 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.
- 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	5	4	900	P	T 0 3	D 8 0	
X-2	D	0	0	2	400	P	T 0 3	D 8 0	
X-3	D	0	0	1	100	P	T 0 3	D 8 0	
X-4	D	0	0	2			T 0 3	D 8 0	included with above

Continued from page 2.

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

I. D. NUMBER (entered 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	D001	88,497,000	K	S04	T02		Storage/Treatment-
2	through						Surface Impoundment
3	D011						
4	D018						
5	D019						
6	D022						
7	D028						
8	through						
9	D030						
10	D033						
11	through						
12	D036						
13	D038						
14	through						
15	D041						
16	D043						
17	F001						
18	through						
19	F005						
20	F039						
21	WT01						
22	WT02	↓	↓	↓	↓		Included with above
23							
24							
25							
26							

Continued from the front

IV. DESCRIPTION OF DANGEROUS WASTE (continued)

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

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

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

VI. PHOTOGRAPHS Refer to attached photograph(s).

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

VII. FACILITY GEOGRAPHIC LOCATION

This information is provided on the attached drawings and photos.

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

VIII. FACILITY OWNER

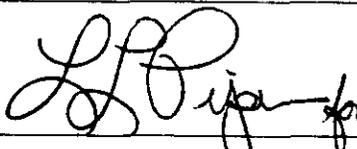
A. If the facility owner is also the facility operator as listed in Section VII on Form 1, "General Information," place an "X" in the box to the left and skip to Section XI below

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) John D. Wagoner U.S. Department of Energy Richland Operations Office	SIGNATURE 	DATE SIGNED 5/22/98
--	---	------------------------

OPERATOR CERTIFICATION

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

NAME (print or type) SEE ATTACHMENT	SIGNATURE	DATE SIGNED
--	-----------	-------------

X. OPERATOR CERTIFICATION

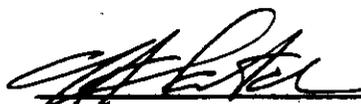
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true,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



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

5/22/98

Date

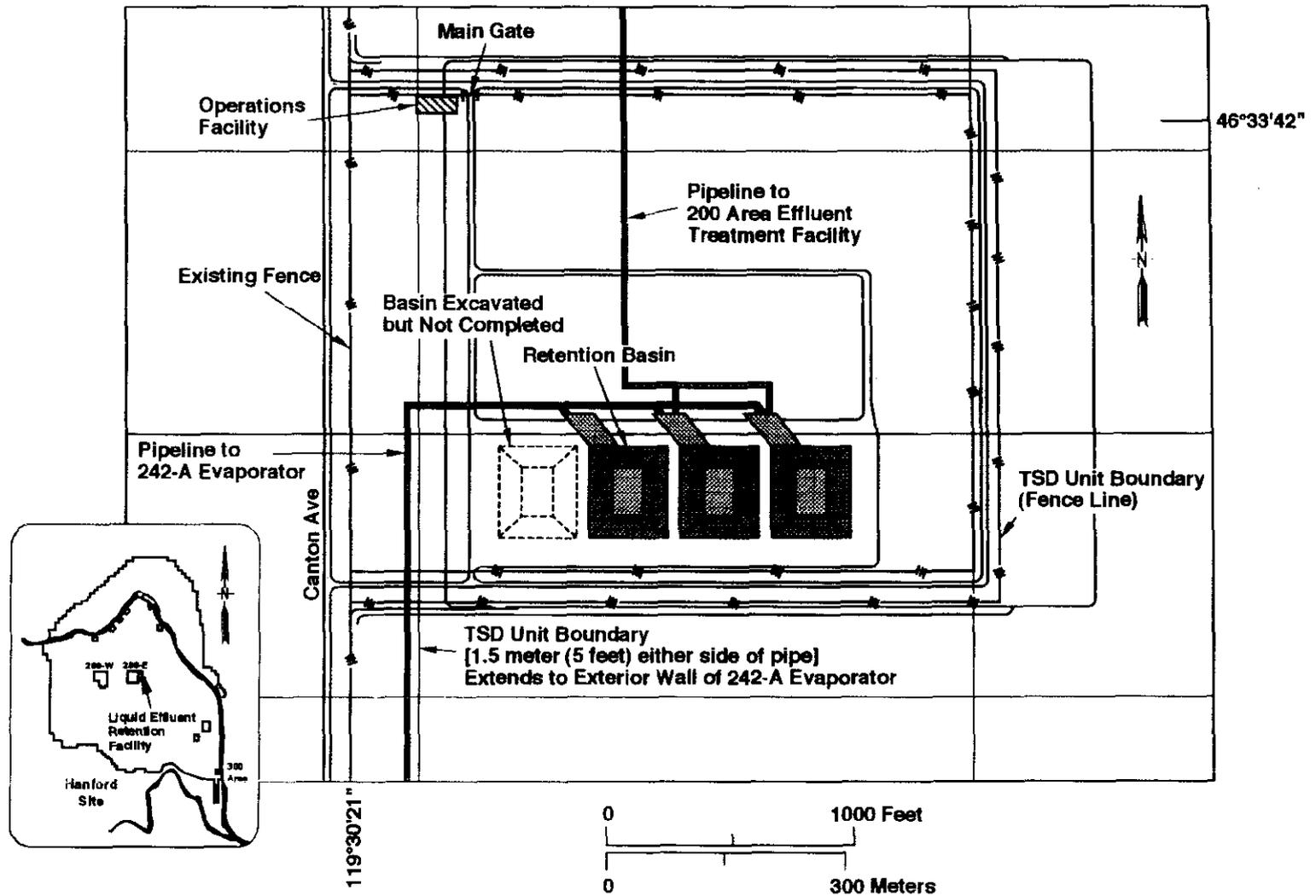


H. J. Hatch,
President and Chief Executive Officer
Fluor Daniel Hanford, Inc.

May 14, 1998

Date

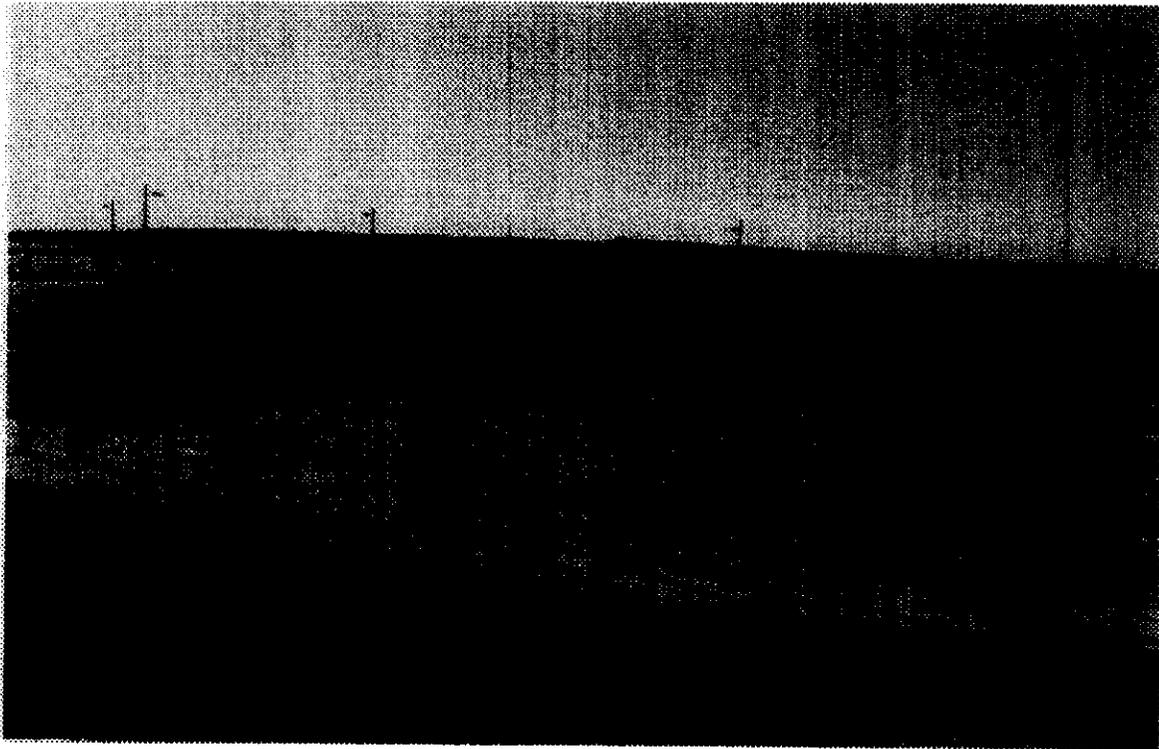
Liquid Effluent Retention Facility Site Plan



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

H9408030.13

LIQUID EFFLUENT RETENTION FACILITY



TYPICAL BASIN

46°33'42"
119°30'21"

92081260-9CN
(PHOTO TAKEN 1992)

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

Revision

VOLUME 1

1.0	INTRODUCTION		
2.0	PERMITTING STATUS FOR DANGEROUS WASTE TREATMENT, STORAGE, AND/OR DISPOSAL UNITS		◆
3.0	FORM 1 - DANGEROUS WASTE PERMIT APPLICATION		
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	
4.1.1.2	105-DR Large Sodium Fire Facility	4	◆
4.1.1.3	1706-KE Waste Treatment System	3	
4.1.1.4	183-H Solar Evaporation Basins	4	
4.1.2	Disposal Facilities		
4.1.2.1	1301-N Liquid Waste Disposal Facility	7	
4.1.2.2	1325-N Liquid Waste Disposal Facility	7	
4.1.2.3	1324-NA Percolation Pond	3	
4.1.2.4	100-D Ponds	4	
4.2	200 AREA FACILITIES		
4.2.1	Treatment Facilities		
4.2.1.1	221-T Containment Systems Test Facility	3	
4.2.1.2	200 West Area Ash Pit Demolition Site--CLOSED 10/26/95	4	
4.2.1.3	218-E-8 Borrow Pit Demolition Site--CLOSED 10/26/95	4	
4.2.1.4	242-A Evaporator	7	
4.2.1.5	Grout Treatment Facility	5	
4.2.1.6	T Plant Complex	6	
4.2.1.7	241-Z Treatment and Storage Tanks	5	
4.2.1.8	B Plant Complex	5	
4.2.1.9	222-S Laboratory Complex	6	
4.2.1.10	204-AR Waste Unloading Station	4	
4.2.1.11	PUREX Plant	8	
4.2.1.12	Hanford Waste Vitrification Plant	5	
4.2.1.13	200 Area Effluent Treatment Facility	3	◆
4.2.1.14	Waste Receiving and Processing Facility	2	◆

◆ = Revised this issue.

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

Revision

VOLUME 2

4.2.2	Storage Facilities		
4.2.2.1	2727-S Storage Facility--CLOSED 06/27/95		2
4.2.2.2	Double-Shell Tank System		8
4.2.2.3	Hexone Storage and Treatment Facility		3
4.2.2.4	2727-WA SRE Sodium Storage Building		1
4.2.2.5	PUREX Storage Tunnels		5
4.2.2.6	224-T Transuranic Waste Storage and Assay Facility		6
4.2.2.7	Central Waste Complex		5
4.2.2.8	Single-Shell Tank System		4
4.2.2.9	207-A South Retention Basin		2
4.2.2.10	Liquid Effluent Retention Facility		6
4.2.2.11	241-CX Tank System		3
4.2.2.12	Waste Encapsulation and Storage Facility		0
4.2.3	Disposal Facilities		
4.2.3.1	Low-Level Burial Grounds		10
4.2.3.2	216-S-10 Pond and Ditch		3
4.2.3.3	2101-M Pond--CLOSED 10/26/95		2
4.2.3.4	216-A-29 Ditch		3
4.2.3.5	216-B-3 Main Pond		5
4.2.3.6	216-B-63 Trench		3
4.2.3.7	216-A-10 Crib		3
4.2.3.8	216-U-12 Crib		3
4.2.3.9	216-A-36B Crib		1
4.2.3.10	216-A-37-1 Crib		2
4.2.3.11	216-B-3 Expansion Ponds--CLOSED 06/27/95		0

VOLUME 3

4.3	300 AREA FACILITIES		
4.3.1	Treatment Facilities		
4.3.1.1	3718-F Alkali Metal Treatment and Storage Area-- CLOSED 08/04/98		4
4.3.1.2	324 Pilot Plant--CLOSED 06/09/97		3
4.3.1.3	304 Concretion Facility--CLOSED 11/30/95		4
4.3.1.4	300 Area Solvent Evaporator--CLOSED 06/27/95		4
4.3.1.5	300 Area Waste Acid Treatment System		5
4.3.1.6	303-M Oxide Facility		1
4.3.1.7	325 Hazardous Waste Treatment Units		4
4.3.1.8	Biological Treatment Test Facilities--CLOSED 12/10/96		0
4.3.1.9	Physical and Chemical Treatment Test Facilities-- CLOSED 05/13/96		1
4.3.1.10	Thermal Treatment Test Facilities--CLOSED 05/13/96		0

◆ = Revised this issue.

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

	Revision
4.3.2 Storage Facilities	
4.3.2.1 311 Tanks (incorporated into 300 Area Waste Acid Treatment System, Rev. 3)	1
4.3.2.2 303-K Storage Unit	5
4.3.2.3 305-B Storage Facility	1
4.3.2.4 332 Storage Facility--CLOSED 04/21/97	0
4.3.3 Disposal Facilities	
4.3.3.1 300 Area Process Trenches	4
4.4 400 AREA FACILITIES	
4.4.1 Treatment Facilities	
4.4.1.1 437-MASF	3
4.4.2 Storage Facilities	
4.4.2.1 4843 Alkali Metal Storage Facility --CLOSED 04/14/97	3
4.4.2.2 Sodium Storage Facility and Sodium Reaction Facility	1
4.5 600 AREA FACILITIES	
4.5.1 Treatment Facilities	
4.5.1.1 Hanford Patrol Academy Demolition Site-- CLOSED 10/26/95	4
4.5.2 Storage Facilities	
4.5.2.1 616 Nonradioactive Dangerous Waste Storage Facility	7
4.5.2.2 600 Area Purgewater Storage and Treatment Facility	2
4.5.3 Disposal Facility	
4.5.3.1 Nonradioactive Dangerous Waste Landfill	4
4.6 1100 AREA FACILITIES	
4.6.1 Treatment Facilities	
4.6.1.1 Simulated High-Level Waste Slurry Treatment/Storage--CLOSED 09/06/95	2

◆ = Revised this issue.

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

FORM 3	DANGEROUS WASTE PERMIT APPLICATION	1. EPA/STATE I.D. NUMBER
		WA 7880008987

FOR OFFICIAL USE ONLY		COMMENTS
APPLICATION APPROVED	DATE RECEIVED (mo., day, & yr.)	

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)

<input type="checkbox"/> 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.) <table style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">MO.</td> <td style="text-align: center;">DAY</td> <td style="text-align: center;">YR.</td> </tr> <tr> <td style="text-align: center;">03</td> <td style="text-align: center;">22</td> <td style="text-align: center;">43</td> </tr> </table> <p>* 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.</p>	MO.	DAY	YR.	03	22	43	<input type="checkbox"/> 2. NEW FACILITY (Complete item below) <table style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">MO.</td> <td style="text-align: center;">DAY</td> <td style="text-align: center;">YR.</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> </table> <p>FOR NEW FACILITIES, PROVIDE THE DATE (mo., day, & yr.) OPERATION BEGAN OR IS EXPECTED TO BEGIN</p>	MO.	DAY	YR.			
MO.	DAY	YR.											
03	22	43											
MO.	DAY	YR.											

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

<input checked="" type="checkbox"/> 1. FACILITY HAS AN INTERIM STATUS PERMIT	<input checked="" type="checkbox"/> 2. FACILITY HAS A FINAL PERMIT
--	--

III. PROCESSES - CODES AND CAPACITIES

A. PROCESS CODE - Enter the code from the list of process codes below that best describes the 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 is 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 M-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 (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 UNIT OF MEASURE FOR PROCESS DESIGN CAPACITY	UNIT OF MEASURE CODE
Storage:			
CONTAINER (barrel, drum, etc.)	S01	GALLONS OR LITERS	G
TANK	S02	GALLONS OR LITERS	G
WASTE PILE	S03	CUBIC YARDS OR METERS	Y
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS	G
Disposal:			
INJECTION WELL	D80	GALLONS OR LITERS	G
LANDFILL	D81	ACRE-FEET (the volume would cover one acre to a depth of one foot) OR HECTARE-METER	A
LAND APPLICATION	D82	ACRES OR HECTARES	B
OCEAN DISPOSAL	D83	GALLONS PER DAY OR LITERS PER DAY	D
SURFACE IMPOUNDMENT	D84	GALLONS OR LITERS	G
Treatment:			
TANK	T01	GALLONS PER DAY OR LITERS PER DAY	D
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY	D
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR	H
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	D

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 NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY
		1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)				1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)	
X-1	S 0 2	600	G		5				
X-2	T 0 3	20	E		6				
1	T 0 1	25	V		7				
2	T 0 4	100	V		8				
3	S 0 1	2,000	L		9				
4					10				