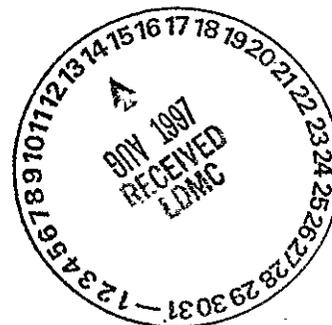


0047630

Date: August 1997		Copy No.: 145a				
To: D. A. Isom		Document No.: DOE/RL-88-21				
[2 REVISIONS]		Title: HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION				
MSIN: H6-08		Revision Release No.: Revision 18				
Section Number and Title	Remove			Insert		
	Page(s)	Rev.	Date	Page(s)	Rev.	Date
Volume 1						
Contents	1-3	17	05/97	1-3	18	08/97
2.0 Resource Conservation and Recovery Act Permitting Status	1-6	17	05/97	1-6	18	08/97
4.1.2.2 1325-N Liquid Waste Disposal Facility	2 (correction in header only)	7	02/25/97	2	7	02/25/97
4.2.1.7 241-Z Treatment and Storage Tanks	1-8	4	10/01/96	1-8	5	04/14/97
Volume 2						
Contents	1-3	17	05/97	1-3	18	08/97
Volume 3						
Contents	1-3	17	05/97	1-3	18	08/97
4.3.1.2 324 Pilot Plant	1	3	5/19/88	1	3	5/19/88 CLOSED 08/09/97
4.3.1.8 Biological Treatment Test Facilities	1	0	5/19/88	1	0	5/19/88 CLOSED 12/10/96
4.3.2.4 332 Storage Facility	1	0	5/19/88	1	0	5/19/88 CLOSED 04/21/97
4.4.2.1 4843 Alkali Metal Storage Facility	1	3	10/01/96	1	3	10/01/96 CLOSED 04/14/97



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:

8/14/97

Hazardous Waste Services
L4-97

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

CONTENTS

Revision

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		V
4.1.1.1	1324-N Surface Impoundment	3	O
4.1.1.2	105-DR Sodium Fire Facility	3	L
4.1.1.3	1706-KE Waste Treatment System	3	U
4.1.1.4	183-H Solar Evaporation Basins	4	M
4.1.2	Disposal Facilities		E
4.1.2.1	1301-N Liquid Waste Disposal Facility	7	
4.1.2.2	1325-N Liquid Waste Disposal Facility	7	♦ 1
4.1.2.3	1324-NA Percolation Pond	3	
4.1.2.4	100-D Ponds	4	0
			F
4.2	200 AREA FACILITIES		3
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	5	
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	2	
4.2.1.14	Waste Receiving and Processing 1	1	

♦ = Revised this issue.

CONTENTS (cont)

		Revision	
4.2.2	Storage Facilities		
4.2.2.1	2727-S Storage Facility	2	
	<i>CLOSED 06/27/95</i>		
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	4	
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	5	2
4.2.2.11	241-CX Tank System	3	
4.2.3	Disposal Facilities		
4.2.3.1	Low-Level Burial Grounds	9	
4.2.3.2	216-S-10 Pond and Ditch	3	
4.2.3.3	2101-M Pond	2	3
	<i>CLOSED 10/26/95</i>		
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	0	
	<i>CLOSED 06/27/95</i>		
4.3	300 AREA FACILITIES		
4.3.1	Treatment Facilities		
4.3.1.1	3718-F Alkali Metal Treatment and Storage Area	4	
4.3.1.2	324 Pilot Plant	3 ♦	
	<i>CLOSED 06/09/97</i>		
4.3.1.3	304 Concretion Facility	4	
	<i>CLOSED 11/30/95</i>		
4.3.1.4	300 Area Solvent Evaporator	4	3
	<i>CLOSED 06/27/95</i>		
4.3.1.5	300 Area Waste Acid Treatment System	5	0
4.3.1.6	303-M Oxide Facility	1	F
4.3.1.7	325 Hazardous Waste Treatment Units	3	
4.3.1.8	Biological Treatment Test Facilities	0 ♦	3
	<i>CLOSED 12/10/96</i>		

♦ = Revised this issue.

CONTENTS (cont)

Revision

4.3.1.9	Physical and Chemical Treatment Test Facilities	1	
	<i>CLOSED 05/13/96</i>		
4.3.1.10	Thermal Treatment Test Facilities	0	
	<i>CLOSED 05/13/96</i>		
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	0	
	<i>CLOSED 04/21/97</i>		
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	3	
	<i>CLOSED 04/14/97</i>		
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 Sites	4	
	<i>CLOSED 10/26/95</i>		
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	2	
	<i>CLOSED 09/06/95</i>		

V
O
L
U
M
E

3
0
F
3

◆ = Revised this issue.

**2.0 PERMITTING STATUS FOR DANGEROUS WASTE TREATMENT, STORAGE,
AND/OR DISPOSAL UNITS**

This section contains a permitting status table and an explanation of the contents of the table.

PERMITTING STATUS TABLE

UNIT	CO-OP	AREA	PERMIT	UNIT TYPE	PART A			PART B	CLOSURE	REV	DATE CLOSED	COMMENT	CLASS
					INITIAL	LATEST	REV						
1324-N SURFACE IMPOUNDMENT	BHI	100	A/C	T	08/01/86	06/30/94	3	11/01/86		0		C	M
105-DR SODIUM FIRE FACILITY	FDH	100	A/C	TS	11/01/85	10/01/96	3	11/01/85	03/95	2		C	M
1706-KE WASTE TREATMENT SYSTEM	FDH	100	A	TS	08/01/86	10/01/96	3	04/01/87		0		P/C	M
183-H SOLAR EVAPORATION BASINS	BHI	100	A/PC	TS	11/01/85	06/30/94	4		06/30/94	4		C	M
1301-N LIQUID WASTE DISPOSAL FACILITY	BHI	100	A/C	D	08/01/86	02/25/97	7		04/01/87	0		C	M
1325-N LIQUID WASTE DISPOSAL FACILITY	BHI	100	A/C	D	02/01/87	02/25/97	7		06/01/87	0		C	M
1324-NA PERCOLATION POND	BHI	100	A/C	TD	08/01/86	06/30/94	3		04/24/87	0		C	M
100-D PONDS	BHI	100	A/C	TD	08/01/86	06/30/94	4		03/01/93	0		C	D
221-T CONTAINMENT SYSTEMS TEST FACILITY	FDH	200W	A	T	11/01/85	10/01/96	3	11/01/85		0		P/C	D
200 WEST AREA ASH PIT DEMOLITION SITE	WHC	200W	A/C	T	11/01/85	11/04/94	4	11/01/85	10/06/94	1	10/26/95	CL	D
218-E-B BORROW PIT DEMOLITION SITE	WHC	200E	A/C	T	11/01/85	11/04/94	4	11/01/85	10/21/94	1	10/26/95	CL	D
242-A EVAPORATOR	FDH	200E	A/B	TS	09/01/87	10/01/96	7	04/13/93				A	M
GROUT TREATMENT FACILITY	FDH	200E	A/B	TSD	09/01/87	10/01/96	5	07/24/92		2		S	M
T PLANT COMPLEX	FDH	200W	A/B	TS	12/01/87	10/01/96	6	12/19/95		0		A	M
241-Z TREATMENT AND STORAGE TANKS	FDH	200W	A/C	TS	12/01/87	04/14/97	5		12/31/96	0		A,C	M
B PLANT COMPLEX	FDH	200E	A/B	TS	12/01/87	10/01/96	5					A	M
222-S LABORATORY COMPLEX	FDH	200W	A/B	TS	10/01/96	03/04/97	5	12/21/91		0		A	M
204-AR WASTE UNLOADING STATION	FDH	200E	A/B	T	12/01/87	10/01/96	4					A	M
PUREX PLANT	FDH	200E	A/C	TS	12/01/87	10/01/96	8					A,C	M
HANFORD WASTE VITRIFICATION PLANT	FDR	200E	A/B	TS	05/01/88	10/01/96	5	10/01/91		2		S	M
200 AREA EFFLUENT TREATMENT FACILITY	FDH	200E	A/B	TS	06/26/91	10/01/96	2	08/31/93		0		A	M
WASTE RECEIVING AND PROCESSING 1	FDH	200W	A/B	TS	01/25/95	10/01/96	1	10/31/91		0		A	M
2727-S STORAGE FACILITY	WHC	200W	A/C	S	11/01/85	11/16/87	2		10/07/92	3A	06/21/95	CL	D
DOUBLE-SHELL TANK SYSTEM	FDH	200EW	A/B	TS	09/01/87	10/01/96	8	06/28/91		0		A	M
HEXONE STORAGE AND TREATMENT FACILITY	BHI	200W	A/C	TS	12/01/87	06/30/94	3		11/24/92	0		C	M

PERMITTING STATUS TABLE

UNIT	CO-OP	AREA	PERMIT	UNIT TYPE	PART A			PART B	CLOSURE	REV	DATE CLOSED	COMMENT	CLASS
					INITIAL	LATEST	REV						
2727-WA SRE SODIUM STORAGE BUILDING	FDH	200W	A	S	12/01/87	10/01/96	1					P/C	M
PUREX STORAGE TUNNELS	FDH	200E	A/B	S	12/01/87	10/01/96	5	07/26/96		3		A	M
224-T TRANSURANIC WASTE STORAGE AND ASSAY FACILITY	FDH	200W	A/B	S	12/01/87	10/01/96	6	06/30/92		0		A	M
CENTRAL WASTE COMPLEX	FDH	200W	A/B	TS	05/01/88	10/01/96	4	10/31/91		0		A	M
SINGLE-SHELL TANK SYSTEM	FDH	200W	A/C	TS	02/01/88	10/01/96	4		09/30/89	Draft		A,C	M
207-A SOUTH RETENTION BASIN	FDH	200E	A/C	S	02/26/90	10/01/96	2					C	M
LIQUID EFFLUENT RETENTION FACILITY	FDH	200E	A/B	S	02/26/90	10/01/96	5	06/26/91		0		A	M
241-CX TANK SYSTEM	BHI	200E	A/C	S	07/10/90	06/30/94	3					C	M
LOW-LEVEL BURIAL GROUNDS	FDH	200EW	A/B	D	10/01/96	03/04/97	9	12/29/89		0		A	M
216-S-10 POND AND DITCH	BHI	200W	A/C	D	02/01/87	06/30/94	3		06/01/87	0		C	M
2101-H POND	WHC	200E	A/C	D	08/01/86	11/16/87	2		07/01/94	2A	10/26/95	CL	D
216-A-29 DITCH	BHI	200E	A/C	TD	08/01/86	06/30/94	3		04/01/87	0		C	M
216-B-3 MAIN POND	BHI	200E	A/C	TD	08/01/86	06/30/94	5					C	M
216-B-63 TRENCH	FDH	200E	A/C	TD	08/01/86	10/01/96	3		04/01/87	0		C	M
216-A-10 CRIB	BHI	200E	A/C	D	08/01/87	06/30/94	3					C	M
216-U-12 CRIB	BHI	200W	A/C	D	08/01/87	06/30/94	3					C	M
216-A-36B CRIB	BHI	200E	A/C	D	02/01/88	06/30/94	1		02/01/88	0		C	M
216-A-37-1 CRIB	BHI	200E	A/C	D	02/26/90	06/30/94	2					C	M
216-B-3 EXPANSION PONDS	WHC	200E	A/C	TD	12/16/93	12/16/93	0		10/31/94	2	06/27/95	CL	H
3718-F ALKALI METAL TREATMENT AND STORAGE AREA	FDH	300	A/C	TS	11/01/85	10/01/96	4	11/06/85	11/20/95	2		C	M
324 PILOT PLANT	PNNL	300	A	T	11/01/85	05/19/88	3	11/01/85		0	06/09/97	P/C	M
304 CONCRETION FACILITY	WHC	300	A/C	TS	08/01/86	06/21/90	4		11/30/93	2	11/30/95	CL	H
300 AREA SOLVENT EVAPORATOR	WHC	300	A/C	TS	11/01/85	03/27/90	4		09/24/92	3B	06/27/95	CL	H
300 AREA WASTE ACID TREATMENT SYSTEM	FDH	300	A/C	TS	09/01/87	10/01/96	5		03/96	1		C	M
303-M OXIDE FACILITY	FDH	300	A/C	T	05/01/88	10/01/96	1					C	M
325 HAZARDOUS WASTE TREATMENT UNITS	PNNL	300	A/B	TS	05/01/88	12/02/94	3	06/24/92		0		A	M

PERMITTING STATUS TABLE

UNIT	CO-OP	AREA	PERMIT	UNIT TYPE	PART A			PART B	CLOSURE	REV	DATE CLOSED	COMMENT	CLASS
					INITIAL	LATEST	REV						
BIOLOGICAL TREATMENT TEST FACILITIES	PNNL	300	A	T	05/01/88	05/19/88	0				12/10/96	P/C	M
PHYSICAL & CHEMICAL TREATMENT TEST FACILITIES	PNNL	300	A	TS	05/01/88	06/14/91	1				05/13/96	P/C	M
THERMAL TREATMENT TEST FACILITIES	PNNL	300	A	T	05/01/88	05/19/88	0				05/13/96	P/C	M
311 TANKS (INCORPORATED INTO 300 AREA WASTE ACID TREATMENT SYSTEM, REV. 3)	WHC	300											
303-K STORAGE UNIT	FDH	300	A/C	S	08/01/87	10/01/96	5		12/17/93	2		C	M
305-B STORAGE FACILITY	PNNL	300	A/B	S	05/01/88	12/20/90	1	04/03/92		2		A	M
332 STORAGE FACILITY	PNNL	300	A	S	05/01/88	05/19/88	0				04/21/97	P/C	M
300 AREA PROCESS TRENCHES	BHI	300	A/PC	D	11/01/85	05/25/95	4		05/25/95	4		C	M
437-MASF	FDH	400	A	T	11/01/85	10/01/96	3	11/01/85		0		A	M
4843 ALKALI METAL STORAGE FACILITY	FDH	400	A/C	S	09/01/87	10/01/96	3		09/95	1	04/14/97	C	M
SODIUM STORAGE FACILITY AND SODIUM REACTION FACILITY	FDH	400	A/B	TS	05/01/95	10/01/96	1					A	M
HANFORD PATROL ACADEMY DEMOLITION SITES	WHC	600	A/C	T	11/01/85	12/15/94	4	11/01/85	12/15/94	1	10/26/95	CL	D
616 NONRADIOACTIVE DANGEROUS WASTE STORAGE FACILITY	FDH	600	A/B	S	10/01/96	03/04/97	7	10/31/91		2		A	D
600 AREA PURGEWATER STORAGE AND TREATMENT FACILITY	FDH	600	A/B	TS	02/20/90	10/01/96	2					A	M
NONRADIOACTIVE DANGEROUS WASTE LANDFILL	BHI	600	A/C	D	11/01/85	06/30/94	4	11/06/85	09/30/90	0		C	D
SIMULATED HIGH LEVEL WASTE SLURRY TREATMENT/STORAGE	PNNL	3000	A/C	TS	05/01/88	08/12/94	2		11/07/94	6A	09/06/95	CL	M

EXPLANATION OF PERMITTING STATUS TABLE

UNIT	Name of treatment, storage, and/or disposal (TSD) unit that is designated for permitting as part of the Hanford Facility (EPA/State Identification Number WA7890008967).
CO-OP	Co-operator with the U.S. Department of Energy, Richland Operations Office: BHI -- Bechtel Hanford, Inc. FDH -- Fluor Daniel Hanford, Inc. PNNL -- Pacific Northwest Laboratory. WHC -- Westinghouse Hanford Company.
AREA	The area of the Hanford Facility in which the unit is located: 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
PERMIT	Type of permit application that is required to obtain the desired type of permit: A -- Part A B -- Part B C -- Closure plan PC -- Postclosure plan.
UNIT TYPE	T -- Treatment S -- Storage D -- Disposal.

EXPLANATION OF PERMITTING STATUS TABLE (cont)

INITIAL Date the initial Part A permit application was submitted to the Washington State Department of Ecology:
08/01/88 -- month/day/year.

LATEST Date the latest Part A permit application was submitted to the Washington State Department of Ecology:

REV Last revision of the Part A permit application.

PART B Date the last Part B permit application was submitted to the Washington State Department of Ecology:
08/01/88 -- month/day/year.

CLOSURE Date the last closure or postclosure plan permit application was submitted to the Washington State Department of Ecology:
08/01/88 -- month/day/year.

REV Revision of Part B or closure plan.

COMMENTS A Active TSD unit.
C TSD unit closing under interim status.
CL Unit is closed.
S Standby.
P/C Procedural closure.

CLASS M Mixed waste TSD unit.
D Dangerous waste TSD unit.

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 style="width: 100%; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; text-align: center;">W</td> <td style="border: 1px solid black; text-align: center;">A</td> <td style="border: 1px solid black; text-align: center;">7</td> <td style="border: 1px solid black; text-align: center;">8</td> <td style="border: 1px solid black; text-align: center;">9</td> <td style="border: 1px solid black; text-align: center;">0</td> <td style="border: 1px solid black; text-align: center;">0</td> <td style="border: 1px solid black; text-align: center;">0</td> <td style="border: 1px solid black; text-align: center;">8</td> <td style="border: 1px solid black; text-align: center;">9</td> <td style="border: 1px solid black; text-align: center;">6</td> <td style="border: 1px solid black; 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 (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="font-size: 8pt;"> <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	* 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="font-size: 8pt;"> <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.			
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			
Disposal:			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
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. 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	S 0 2	69,300	L		7				
2	T 0 1	16,277	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.

S02

The 241-Z Treatment and Storage Tanks (241-Z) support the Plutonium Finishing Plant (PFP), which was constructed in November 1948. The 241-Z consists of storage tanks D-4, D-5, D-7, D-8, and an overflow tank. Tanks D-5 and D-8 also serve as the waste treatment tanks. These tanks, located in the belowground portion of the 241-Z Building, have a combined storage capacity of 69,300 liters (18,307 gallons). Tanks D-4 and D-5 each have a capacity of 16,400 liters (4,332 gallons), while tanks D-7 and D-8 each have a capacity of 17,900 liters (4,729 gallons). The overflow tank, located in the D-7 Vault, has a capacity of 700 liters (185 gallons) and is in place to serve only in a capacity for receiving waste that might overflow from one of the other tanks. The overflow tank is not in place to serve as storage capacity for dangerous waste. The 241-Z accumulates and stores mixed waste generated from PFP process activities. Once treated, the waste is stored before final transfer to the Double-Shell Tank (DST) System. The original construction of 241-Z included a fifth 16,400 liter (4,332 gallon) tank that also is located in the belowground portion of the facility. Tank D-6 was taken out of service and isolated from the 241-Z tank system in 1972 and never stored dangerous waste. The purpose of identifying Tank D-6 is to note its existence within the 241-Z Building, but not to include it with the tank system covered by the Part A, Form 3, for the 241-Z.

T01

Treatment that occurs in the tank system consists of a batch process that includes the addition of sodium hydroxide or potassium hydroxide, sodium nitrite, ferric nitrate, and water. The sodium hydroxide is added to adjust the pH of the waste to make the waste more amenable for transfer to the DST System. Ferric nitrate solution is added to provide 1 percent stable solids for transfer to the DST System, while water could be used to adjust the plutonium concentration of the waste to be transferred so that the waste meets the DST System criteria for acceptance. This treatment process makes the waste more amenable for transfer to the DST System. The maximum process design capacity for tank treatment is 16,277 liters per day (4,300 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	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.

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 2	1,360,777	K	T01	Treatment-Tank
2	D 0 0 5				
3	D 0 0 7				
4	D 0 0 8				
5	D 0 0 9				
6	D 0 1 1				
7	D 0 1 9				
8	W T 0 1				
9	W T 0 2				Included With Above
10	D 0 0 2	2,494,758	K	S02	Storage-Tank
11	D 0 0 5				
12	D 0 0 7				
13	D 0 0 8				
14	D 0 0 9				
15	D 0 1 1				
16	D 0 1 9				
17	W T 0 1				
18	W T 0 2				Included With Above
19					
20					
21					
22					
23					
24					
25					
26					

Continued from the front.

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

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

The waste received by the 241-Z from PFP process activities could be assigned one or more of the following dangerous waste numbers as determined through process knowledge, modeling, and some process sampling. Waste could designate corrosive (D002), and/or toxic for barium (D005), chromium (D007), lead (D008), mercury (D009), silver (D011), or carbon tetrachloride (D019). Depending on the waste stream received, the waste also could designate as a state-only toxic dangerous waste (WT01 or WT02).

FACILITY DRAWING Refer to attached drawing(s).

All existing facilities must include in the space provided on page 6 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
 4/14/97

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.

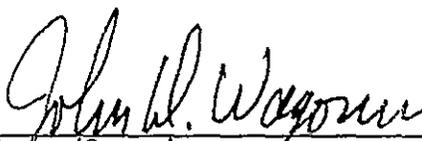
NAME (print or type)
 SEE ATTACHMENT

SIGNATURE

DATE SIGNED

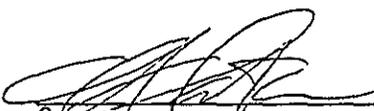
X. OPERATOR CERTIFICATION

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

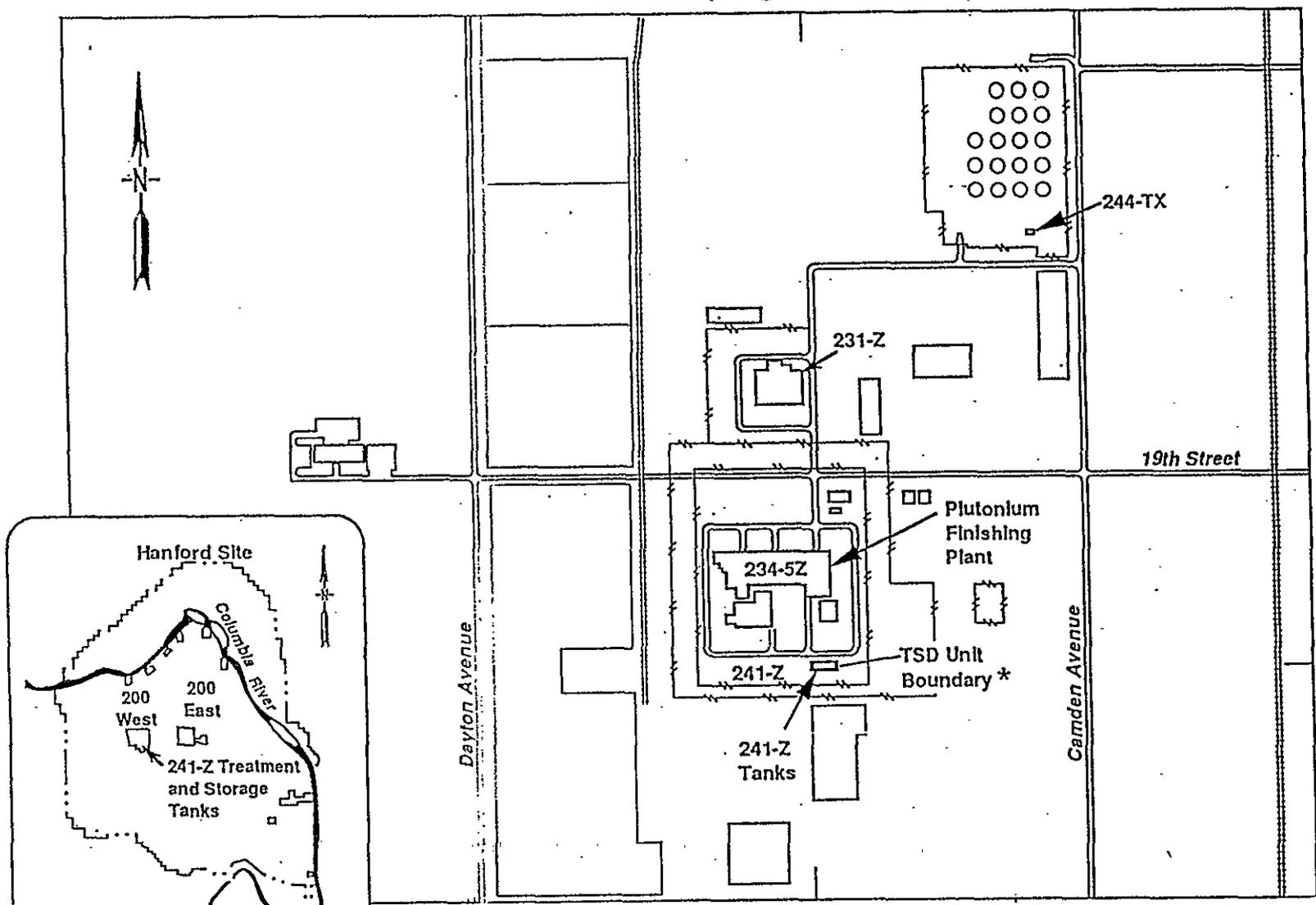
4/14/97
Date



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

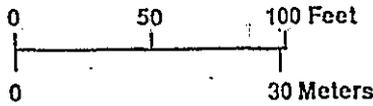
4/10/97
Date

241-Z Treatment and Storage Tanks Site Plan



66° 32' 58"

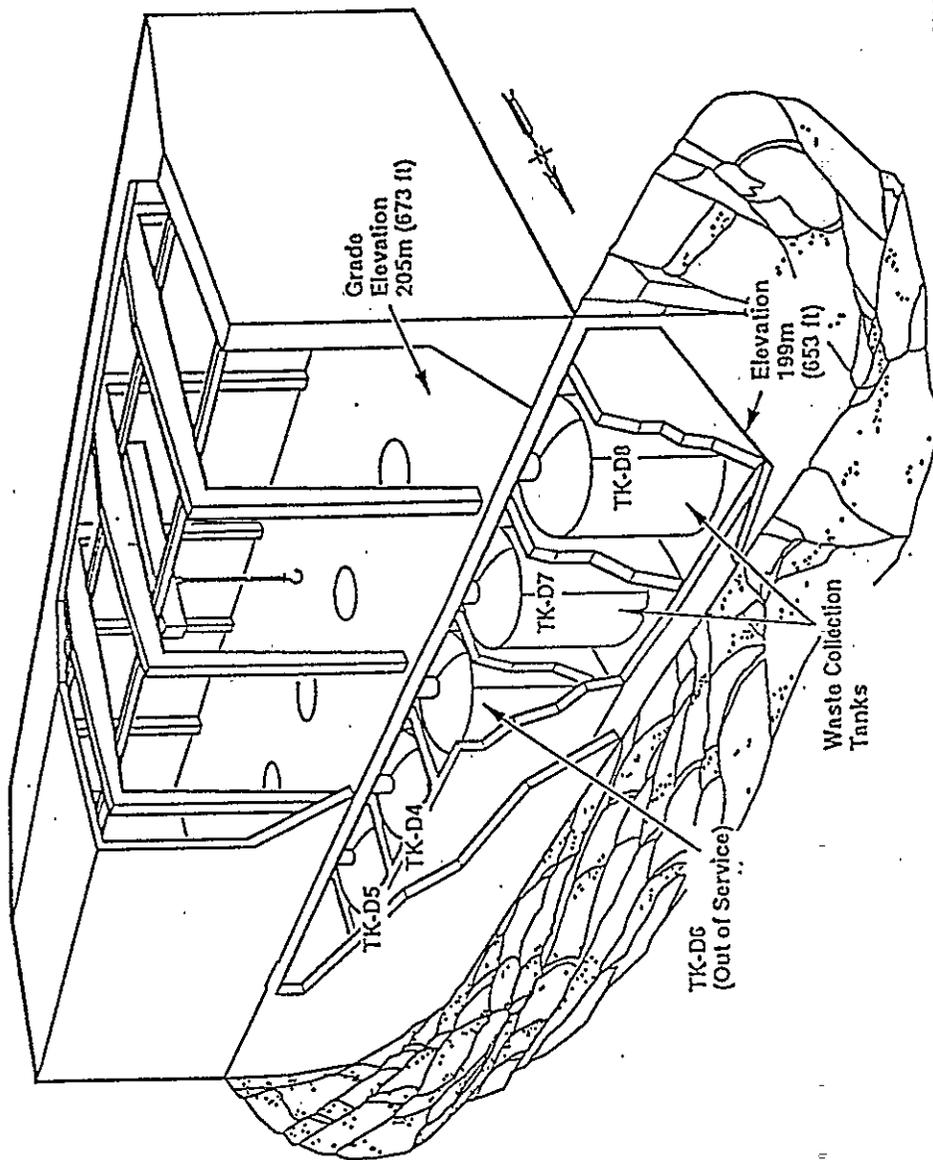
119° 38' 20"



*TSD Unit Boundary only includes tanks D-4, D-5, D-7, D-8, the overflow tank; the walls, floors, ancillary piping; and ceiling of the belowgrade concrete vault.

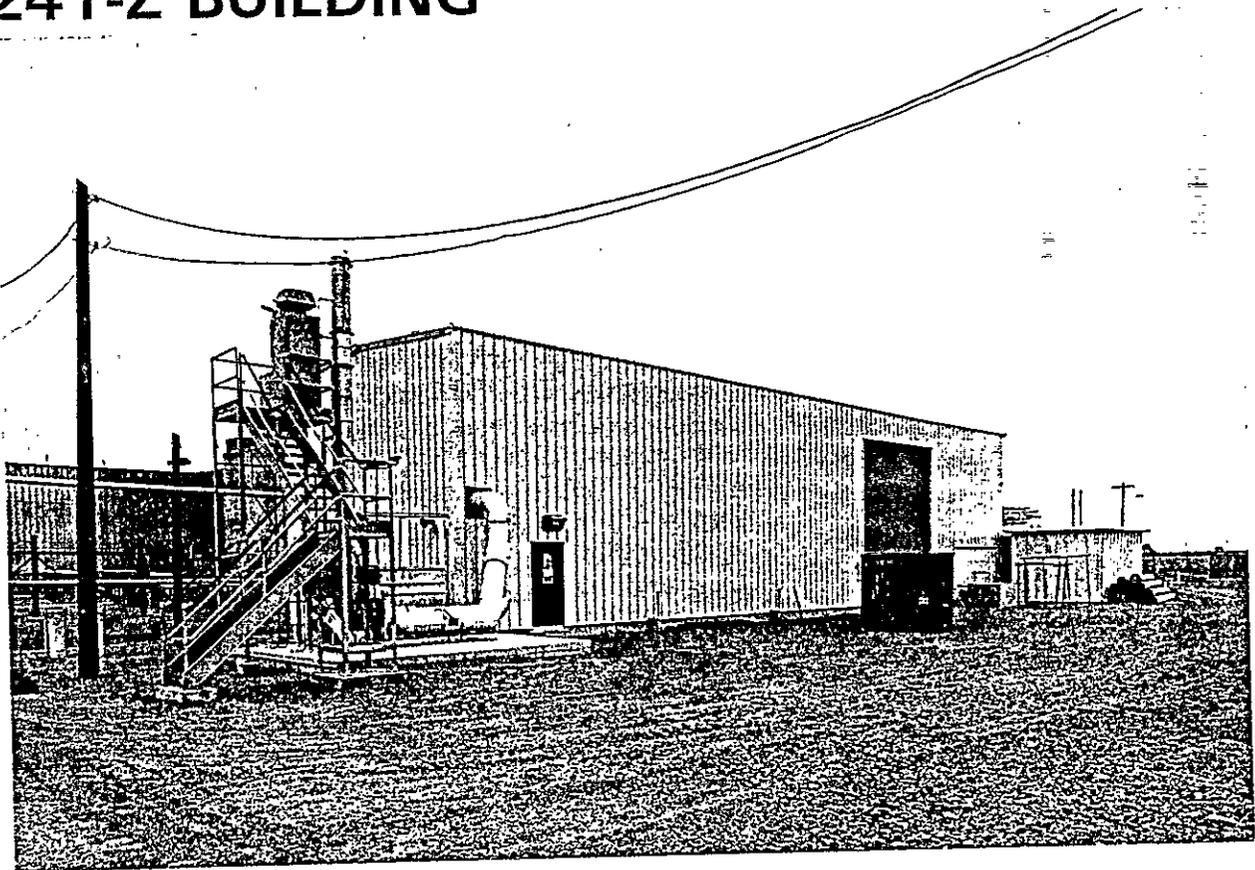
H96070161.5

241-Z Building Cutaway View



H96060050.5

241-Z BUILDING



46°32'58"
119°38'20"

8706219-5CN
(PHOTO TAKEN 1987)

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

CONTENTS

Revision

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		V
4.1.1.1	1324-N Surface Impoundment	3	O
4.1.1.2	105-DR Sodium Fire Facility	3	L
4.1.1.3	1706-KE Waste Treatment System	3	U
4.1.1.4	183-H Solar Evaporation Basins	4	M
4.1.2	Disposal Facilities		E
4.1.2.1	1301-N Liquid Waste Disposal Facility	7	
4.1.2.2	1325-N Liquid Waste Disposal Facility	7	1
4.1.2.3	1324-NA Percolation Pond	3	
4.1.2.4	100-D Ponds	4	0
4.2	200 AREA FACILITIES		F
4.2.1	Treatment Facilities		3
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	5	
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	2	
4.2.1.14	Waste Receiving and Processing 1	1	

◆ = Revised this issue.

CONTENTS (cont)

	Revision	
4.2.2 Storage Facilities		
4.2.2.1 2727-S Storage Facility	2	
		<i>CLOSED 06/27/95</i>
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	4	
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	5	
4.2.2.11 241-CX Tank System	3	
4.2.3 Disposal Facilities		
4.2.3.1 Low-Level Burial Grounds	9	
4.2.3.2 216-S-10 Pond and Ditch	3	
4.2.3.3 2101-M Pond	2	
		<i>CLOSED 10/26/95</i>
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	0	
		<i>CLOSED 06/27/95</i>
 4.3 300 AREA FACILITIES		
4.3.1 Treatment Facilities		
4.3.1.1 3718-F Alkali Metal Treatment and Storage Area	4	
4.3.1.2 324 Pilot Plant	3	
		<i>CLOSED 06/09/97</i>
4.3.1.3 304 Concretion Facility	4	
		<i>CLOSED 11/30/95</i>
4.3.1.4 300 Area Solvent Evaporator	4	
		<i>CLOSED 06/27/95</i>
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	3	
4.3.1.8 Biological Treatment Test Facilities	0	
		<i>CLOSED 12/10/96</i>

◆ = Revised this issue.

CONTENTS (cont)

Revision

4.3.1.9	Physical and Chemical Treatment Test Facilities	1	
	<i>CLOSED 05/13/96</i>		
4.3.1.10	Thermal Treatment Test Facilities	0	
	<i>CLOSED 05/13/96</i>		
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	0 ♦	
	<i>CLOSED 04/21/97</i>		
4.3.3	Disposal Facilities		
4.3.3.1	300 Area Process Trenches	4	V O L U M E
4.4	400 AREA FACILITIES		
4.4.1	Treatment Facilities		
4.4.1.1	437-MASF	3	
4.4.2	Storage Facilities		3
4.4.2.1	4843 Alkali Metal Storage Facility	3 ♦	0
	<i>CLOSED 04/14/97</i>		F
4.4.2.2	Sodium Storage Facility and Sodium Reaction Facility	1	3
4.5	600 AREA FACILITIES		
4.5.1	Treatment Facilities		
4.5.1.1	Hanford Patrol Academy Demolition Sites	4	
	<i>CLOSED 10/26/95</i>		
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	2	
	<i>CLOSED 09/06/95</i>		

♦ = Revised this issue.

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

CONTENTS

Revision

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		V
4.1.1.1	1324-N Surface Impoundment	3	O
4.1.1.2	105-DR Sodium Fire Facility	3	L
4.1.1.3	1706-KE Waste Treatment System	3	U
4.1.1.4	183-H Solar Evaporation Basins	4	M
4.1.2	Disposal Facilities		E
4.1.2.1	1301-N Liquid Waste Disposal Facility	7	
4.1.2.2	1325-N Liquid Waste Disposal Facility	7	1
4.1.2.3	1324-NA Percolation Pond	3	
4.1.2.4	100-D Ponds	4	0
4.2	200 AREA FACILITIES		F
4.2.1	Treatment Facilities		3
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-B 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	5	
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	2	
4.2.1.14	Waste Receiving and Processing 1	1	

♦ = Revised this issue.

CONTENTS (cont)

	Revision	
4.2.2 Storage Facilities		
4.2.2.1 2727-S Storage Facility	2	
<i>CLOSED 06/27/95</i>		
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	V
4.2.2.5 PUREX Storage Tunnels	5	O
4.2.2.6 224-T Transuranic Waste Storage and Assay Facility	6	L
4.2.2.7 Central Waste Complex	4	U
4.2.2.8 Single-Shell Tank System	4	M
4.2.2.9 207-A South Retention Basin	2	E
4.2.2.10 Liquid Effluent Retention Facility	5	2
4.2.2.11 241-CX Tank System	3	
4.2.3 Disposal Facilities		O
4.2.3.1 Low-Level Burial Grounds	9	F
4.2.3.2 216-S-10 Pond and Ditch	3	
4.2.3.3 2101-M Pond	2	3
<i>CLOSED 10/26/95</i>		
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	0	
<i>CLOSED 06/27/95</i>		
 4.3 300 AREA FACILITIES		
4.3.1 Treatment Facilities		V
4.3.1.1 3718-F Alkali Metal Treatment and Storage Area	4	O
4.3.1.2 324 Pilot Plant	3 ♦	L
<i>CLOSED 06/09/97</i>		U
4.3.1.3 304 Concretion Facility	4	M
<i>CLOSED 11/30/95</i>		E
4.3.1.4 300 Area Solvent Evaporator	4	3
<i>CLOSED 06/27/95</i>		
4.3.1.5 300 Area Waste Acid Treatment System	5	O
4.3.1.6 303-M Oxide Facility	1	F
4.3.1.7 325 Hazardous Waste Treatment Units	3	
4.3.1.8 Biological Treatment Test Facilities	0 ♦	3
<i>CLOSED 12/10/96</i>		

♦ = Revised this issue.

CONTENTS (cont)

		Revision	V O L U M E
4.3.1.9	Physical and Chemical Treatment Test Facilities <i>CLOSED 05/13/96</i>	1	
4.3.1.10	Thermal Treatment Test Facilities <i>CLOSED 05/13/96</i>	0	
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 <i>CLOSED 04/21/97</i>	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		3
4.4.2.1	4843 Alkali Metal Storage Facility <i>CLOSED 04/14/97</i>	3 ♦	0
4.4.2.2	Sodium Storage Facility and Sodium Reaction Facility	1	F
			3
4.5	600 AREA FACILITIES		
4.5.1	Treatment Facilities		
4.5.1.1	Hanford Patrol Academy Demolition Sites <i>CLOSED 10/26/95</i>	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 <i>CLOSED 09/06/95</i>	2	

♦ = Revised this issue.

Printed name of type in one instance in this space.
(Use arrow to select for other type, i.e., 12 characters/line).

FORM 3	DANGEROUS WASTE PERMIT APPLICATION	I. EPA/STATE LD. NUMBER WA 789008967
-------------------------	---	--

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 being submitted for your facility or a revised application. If this is your first application and you already know your facility's EPA/STATE LD. Number, or if this is a revised application, place your facility's EPA/STATE LD. 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 both boxes.)

2. NEW FACILITY (Complete both boxes.)

FOR EXISTING FACILITIES, PROVIDE THE DATE (mo., day, yr.) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes in the box)

MO.	DAY	YR.
X	7	9

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

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 DESIGN CAPACITIES

A. PROCESS CODE — Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process 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 (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 units of measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage				
CONTAINER (barrel, drum, etc.)	301	GALLONS OR LITERS	T01	GALLONS PER DAY OR LITERS PER DAY
TANK	302	GALLONS OR LITERS	T02	GALLONS PER DAY OR LITERS PER DAY
WASTE PILE	303	CUBIC YARDS OR CUBIC METERS	T03	LITERS PER HOUR OR METRIC TONS PER HOUR
SURFACE IMPONUMENT				
Droplet				
INJECTION WELL	080	GALLONS OR LITERS	T04	GALLONS PER DAY OR LITERS PER DAY
LANDFILL	081	ACRE-FEET OR METRIC TONS PER HOUR		
LAND APPLICATION	082	ACRE-FEET OR METRIC TONS PER HOUR		
OCEAN DISPOSAL	083	GALLONS PER DAY OR LITERS PER DAY		
SURFACE IMPONUMENT	084	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.)				
UNIT OF MEASURE		UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE
GALLONS		LITERS PER DAY	Y	ACRE-FEET
LITERS		TONS PER HOUR	D	HECTARE-METER
CUBIC YARDS		METRIC TONS PER HOUR	F	ACRES
CUBIC METERS		GALLONS PER HOUR	E	HECTARES
GALLONS PER DAY		LITERS PER HOUR	M	

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			B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE			B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY
	1. AMOUNT (from list above)	2. UNIT OF MEASURE (from list above)	3. UNIT OF MEASURE CODE (from list above)	1. AMOUNT (amount)	2. UNIT OF MEASURE (unit code)			1. AMOUNT (amount)	2. UNIT OF MEASURE (unit code)				
X-1	200	G	T01	400	G	T01	5	20	G	T01			
X-2	20	E	T03				6						
1	20	V	T03				7						
2							8						
3	*Information concerning the month of initial operation of this unit is not available.												
4							10						

Use only space provided for alpha-numeric characters (A-Z, 0-9, hyphen, underscore, asterisk, slash, and space). Do not use special characters.

FORM 3	DANGEROUS WASTE PERMIT APPLICATION	I. EPA/STATE I.D. NUMBER WA 7890008967
-------------------------	---	--

FOR OFFICIAL USE ONLY		COMMENTS
APPLICATION NUMBER	DATE RECEIVED (mm, 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 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 (check an "X" below and provide the appropriate date)

1. EXISTING FACILITY (See instructions for estimates of "existing" facility. Complete form below.)

2. NEW FACILITY (Complete form below.)

FOR EXISTING FACILITIES, PROVIDE THE DATE (mo., day, yr.) OPERATION BEGAN OR THE DATE CONSTRUCTION COMPLETED (See the boxes at the left)

MO.	DAY	YR.
013	01	84

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

MO.	DAY	YR.

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

1. FACILITY HAS AN INTERIM STATUS PERMIT

2. FACILITY HAS A FINAL PERMIT

III. PROCESSES - CODES AND DESIGN CAPACITIES

A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be performed at your facility. If more than one code is needed, enter the code(s) in the space provided. A process code that is not included in the list of codes below should describe the process (including its design capacity) in the space provided on the (Section II-C).

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

1. AMOUNT - Enter the amount.

2. UNIT OF MEASURE - For each amount entered, enter the code from the list of 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.)	301	GALLONS OR LITERS	TANK	T01	GALLONS PER DAY OR LITERS PER DAY
PILE	302	GALLONS OR LITERS	SURFACE IMPONDEMENT	T02	GALLONS PER DAY OR LITERS PER DAY
ASTE PILE	303	CUBIC YARDS OR CUBIC METERS	INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
SURFACE IMPONDEMENT	304	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 II-C.)	T04	GALLONS PER DAY OR LITERS PER DAY
Injection Well	D90	GALLONS OR LITERS			
LANDFILL	081	ACRES-FEET			
LAND APPLICATION		ACRES-FEET			
OCEAN DISPOSAL		ACRES-FEET			
SURFACE IMPONDEMENT	082	ACRES-FEET			

UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	Y	ACRES-FEET	A
LITERS	D	HECTARE-METER	P
CUBIC YARDS	B	ACRES	S
CUBIC METERS	C	HECTARES	Q
GALLONS PER DAY	V		
LITERS PER DAY	W		
TONS PER HOUR	X		
METRIC TONS PER HOUR	Z		
GALLONS PER HOUR	E		
LITERS PER HOUR	N		

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 (amount)	2. UNIT OF MEASURE (code used)				1. AMOUNT (amount)	2. UNIT OF MEASURE (code used)	
X-1	S 0 2	600	G		5				
X-2	T 0 3	20	E		6				
	S 0 1	1,800	G		7				
					8				
					9				
					10				

