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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: Susan J. Wray Date: 9/22/93

Regulatory Permitting Group
L4-97

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

CONTENTS

d = Dangerous waste treatment, storage, and/or disposal unit.
m = Mixed waste treatment, storage, and/or disposal unit.
a = Active treatment, storage, and/or disposal unit.
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♦ = Revised this issue.

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CONTENTS (cont)

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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	ORG	AREA	PERMIT	TYPE	INITIAL	LATEST	REV	PART B	CLOSURE	REV	COMMENT	CLASS
1324-N SURFACE IMPOUNDMENT	WHC	100	A/C	T	08/01/86	11/16/87	2	11/01/86		0		H
105-DR SODIUM FIRE FACILITY	WHC	100	A/C	TS	11/01/85	11/16/87	2	11/01/85	10/01/90	0		H
1706-KE WASTE TREATMENT SYSTEM	WHC	100	A/C	TS	08/01/86	11/16/87	2	04/01/87		0	B	M
183-H SOLAR EVAPORATION BASINS	WHC	100	A/C	TS	11/01/85	06/08/88	3		06/19/91	3		M
1301-N LIQUID WASTE DISPOSAL FACILITY	WHC	100	A/C	D	08/01/86	02/02/88	3		04/01/87	0		M
1325-N LIQUID WASTE DISPOSAL FACILITY	WHC	100	A/C	D	02/01/87	02/02/88	3		06/01/87	0		M
1324-NA PERCOLATION POND	WHC	100	A/C	TD	08/01/86	11/16/87	2		04/24/87	0		H
100-D PONDS	WHC	100	A/C	TD	08/01/86	02/26/93	3		04/01/87	0		H
221-T CONTAINMENT SYSTEMS TEST FACILITY	WHC	200W	A/C	T	11/01/85	11/16/87	2	11/01/85		0	F	H
200 WEST AREA ASH PIT DEMOLITION SITE	WHC	200W	A/C	T	11/01/85	11/18/92	3	11/01/85	11/24/92	0	A	H
218-E-8 BORROW PIT DEMOLITION SITE	WHC	200E	A/C	T	11/01/85	11/18/92	3	11/01/85	11/24/92	0	A	H
242-A EVAPORATOR	WHC	200E	A/B	T	09/01/87	12/20/90	4	04/13/93				M
GROUT TREATMENT FACILITY	WHC	200E	A/B	TSD	09/01/87	07/22/92	4	07/24/92		2		M
T PLANT COMPLEX	WHC	200W	A/B	T	12/01/87	06/30/93	1					M
241-Z TREATMENT AND STORAGE TANKS	WHC	200W	A/B	T	12/01/87	06/24/92	3					M
B PLANT	WHC	200E	A/B	TS	12/01/87	12/22/89	1					M
222-S LABORATORY COMPLEX	WHC	200W	A/B	TS	12/01/87	04/13/93	2	12/21/91		0		M
204-AR WASTE UNLOADING STATION	WHC	200E	A/B	T	12/01/87	02/26/93	2					M
PUREX PLANT	WHC	200E	A/C	TS	12/01/87	11/24/92	3					M
HANFORD WASTE VITRIFICATION PLANT	WHC	200E	A/B	TS	05/01/88	09/30/91	4	10/01/91		2		M
242-A EVAPORATOR/PUREX PLANT CONDENSATE TREATMENT FACILITY	WHC	200E	A/B	T	06/26/91	06/26/91	0					M
2727-S STORAGE FACILITY	WHC	200W	A/C	S	11/01/85	11/16/87	2		02/05/92	3		H
DOUBLE-SHELL TANK SYSTEM	WHC	200EW	A/B	TS	09/01/87	05/26/93	5	06/28/91		0		M
HEXONE STORAGE AND TREATMENT FACILITY	WHC	200W	A/C	TS	12/01/87	11/18/92	2		11/24/92	0		M

Permitting Status Table.

UNIT	ORG	AREA	PERMIT	TYPE	INITIAL	LATEST	REV	PART B	CLOSURE	REV	COMMENT	CLASS
2727-WA SRE SODIUM STORAGE BUILDING	WHC	200W	A/C	S	12/01/87	12/03/87	0				F	M
PUREX TUNNELS 1 AND 2	WHC	200E	A/B	S	12/01/87	09/18/90	1	12/09/92		1		M
224-T TRANSURANIC WASTE STORAGE AND ASSAY FACILITY	WHC	200W	A/B	S	12/01/87	03/01/93	3	06/30/92		0		M
HANFORD CENTRAL WASTE COMPLEX--RADIOACTIVE MIXED WASTE STORAGE FACILITY*	WHC	200W	A/B	S	05/01/88	10/22/90	1	10/31/91		0		M
HANFORD CENTRAL WASTE COMPLEX--WASTE RECEIVING AND PROCESSING FACILITY*	WHC	200W	A/B	T/S	05/01/88	10/22/90	1	10/31/91		0		M
SINGLE-SHELL TANK SYSTEM	WHC	200W	A/C	S	02/01/88	04/13/93	2		09/30/89	Draft		M
207-A SOUTH RETENTION BASIN	WHC	200E	A/C	S	02/26/90	08/23/93	1					M
LIQUID EFFLUENT RETENTION FACILITY	WHC	200E	A/B	S	02/26/90	05/19/93	2	06/26/91		0		M
241-CX TANK SYSTEM	WHC	200E	A/C	S	07/10/90	09/28/92	1					M
LOW-LEVEL BURIAL GROUNDS	WHC	200EW	A/B	D	11/01/85	08/16/90	6	12/29/89		0		M
216-S-10 POND AND DITCH	WHC	200W	A/C	D	02/01/87	11/16/87	2		06/01/87	0		M
2101-M POND	WHC	200E	A/C	D	08/01/86	11/16/87	2		04/03/91	1		H
216-A-29 DITCH	WHC	200E	A/C	TD	08/01/86	11/16/87	2		04/01/87	0		M
216-B-3 POND SYSTEM	WHC	200E	A/C	TD	08/01/86	03/21/90	3		03/30/90	0		M
216-B-63 TRENCH	WHC	200E	A/C	TD	08/01/86	11/16/87	2		04/01/87	0		M
216-A-10 CRIB	WHC	200E	A/C	D	08/01/87	02/02/88	2					M
216-U-12 CRIB	WHC	200W	A/C	D	08/01/87	02/02/88	2					M
216-A-36B CRIB	WHC	200E	A/C	D	02/01/88	02/02/88	0		02/01/88	0		M
216-A-37-1 CRIB	WHC	200E	A/C	D	02/26/90	05/01/93	1					M
3718-F ALKALI METAL TREATMENT AND STORAGE AREA	WHC	300	A/C	TS	11/01/85	12/20/91	3	11/06/85	11/10/92	1		M
324 SODIUM REMOVAL PILOT PLANT	PNL	300	A/B	T	11/01/85	05/19/88	3	11/01/85		0	B	M

*Part A permit application covers the Radioactive Mixed Waste Storage Facility and the Waste Receiving and Processing Facility.

Permitting Status Table.

UNIT	ORG	AREA	PERMIT	TYPE	INITIAL	LATEST	REV	PART B	CLOSURE	REV	COMMENT	CLASS
304 CONCRETION FACILITY	WHC	300	A/C	TS	08/01/86	06/21/90	4		10/31/91	1		M
300 AREA SOLVENT EVAPORATOR	WHC	300	A/C	T	11/01/85	03/27/90	4		09/24/92	3B		M
300 AREA WASTE ACID TREATMENT FACILITY	WHC	300	A/C	TS	09/01/87	06/29/90	3		06/29/90	0		M
303-M OXIDE FACILITY	WHC	300	A/B	T	05/01/88	05/19/88	0					M
325/3100 HAZARDOUS WASTE TREATMENT UNIT	PNL	300	A/B	T	05/01/88	06/24/92	1	06/24/92		0		M
BIOLOGICAL TREATMENT TEST UNITS	PNL	300	A/B	O	05/01/88	05/19/88	0					M
PHYSICAL & CHEMICAL TREATMENT FACILITIES	PNL	300	A/B	O	05/01/88	08/13/91	1					M
THERMAL TREATMENT TEST UNITS	PNL	300	A/B	O	05/01/88	05/19/88	0					M
311 TANKS (INCORPORATED INTO 300 AREA WASTE ACID TREATMENT SYSTEM, REV. 3)	WHC	300										
303-K STORAGE UNIT	WHC	300	A/C	S	08/01/87	06/21/90	3		11/13/91	1		M
305-B STORAGE UNIT	PNL	300	A/B	TS	05/01/88	12/20/90	1	01/31/90		0		M
332 STORAGE UNIT	PNL	300	A/B	S	05/01/88	05/19/88	0				B	M
300 AREA PROCESS TRENCHES	WHC	300	A/PC	D	11/01/85	11/16/87	2		11/06/85	0		M
MAINTENANCE AND STORAGE FACILITY	WHC	400	A/B	T	11/01/85	11/16/87	2	11/01/85		0		M
4843 ALKALI METAL STORAGE FACILITY	WHC	400	A/C	S	09/01/87	05/31/91	2		06/29/91	0		M
HANFORD PATROL ACADEMY DEMOLITION SITES	WHC	600	A/C	T	11/01/85	11/18/92	3	11/01/85	11/24/92	0	A	H
616 NONRADIOACTIVE DANGEROUS WASTE STORAGE FACILITY	WHC	600	A/B	S	11/01/85	06/21/90	4	10/31/91		2		H
600 AREA PURGEWATER STORAGE AND TREATMENT FACILITY	WHC	600	A/B	TS	02/20/90	02/20/90	0					M
NONRADIOACTIVE DANGEROUS WASTE LANDFILL	WHC	600	A/C	D	11/01/85	08/23/90	3	11/06/85	09/30/90	0		H
SIMULATED HIGH-LEVEL WASTE TREATMENT AND STORAGE UNIT	PNL	1100	A/C	TS	05/01/88	05/19/88	0		09/29/89			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).

ORG — Name of organization (company) that has a contract to co-operate the TSD unit for the U.S. Department of Energy, Richland Operations Office:

- WHC -- Westinghouse Hanford Company.
- PNL -- Pacific Northwest Laboratory.

AREA — The area of the Hanford Facility in which the unit is located:

- 100 -- 100 Area, includes N Reactor
- 200E -- 200 East Area, includes chemical reprocessing such as PUREX
- 200W -- 200 West Area, includes chemical reprocessing such as REDOX
- 200EW -- Parts of a TSD unit are located in both the 200 East and the 200 West Areas
- 300 -- 300 Area, includes research, development, and fuel fabrication
- 400 -- 400 Area, includes the Fast Flux Test Facility
- 500 -- Unused designation
- 600 -- 600 Area, includes nonradioactive dangerous waste storage and landfill TSD units
- 1100 -- 1100 Area, includes maintenance and shipping TSD units

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.

TYPE — Waste unit operational classification:

T -- Treatment

S -- Storage

D -- Disposal

O -- Other.

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 Three former demolition sites combined into one application.

B Application will be withdrawn.

C Subsequently determined that a closure plan would be prepared.

D Currently in design stage.

E Evaluating treatment by generator.

F Application may be withdrawn.

CLASS

M TSD unit contains mixed waste and dangerous waste.

H TSD unit contains no radioactive waste. All TSD units on this list contain nonradioactive dangerous waste.

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

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.)*

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

MO.	DAY	YR.
0 1		5 7

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

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 CAPACITIES

A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process *(including its design capacity)* in the space provided on the *(Section III-C)*.

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

1. AMOUNT - Enter the amount.

2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER (barrel, drum, etc)	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
Disposal:		
INJECTION WELL	D80	GALLONS OR LITERS
LANDFILL	D81	ACRE-FEET *(the volume that would cover one acre to a depth of one foot)* OR HECTARE-METER
LAND APPLICATION	D82	*ACRES OR HECTARES*
OCEAN DISPOSAL	D83	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D84	GALLONS OR LITERS

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Section III-C.)	T04	GALLONS PER DAY OR LITERS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G
LITERS	L
CUBIC YARDS	Y
CUBIC METERS	C
GALLONS PER DAY	U

UNIT OF MEASURE	UNIT OF MEASURE CODE
LITERS PER DAY	V
TONS PER HOUR	D
METRIC TONS PER HOUR	W
GALLONS PER HOUR	E
LITERS PER HOUR	H

UNIT OF MEASURE	UNIT OF MEASURE CODE
ACRE-FEET	A
HECTARE-METER	F
ACRES	B
HECTARES	Q

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 1. AMOUNT *(specify)*	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE *(enter code)*	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE *(from list above)*	B. PROCESS DESIGN CAPACITY 1. AMOUNT *(specify)*	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE *(enter code)*	FOR OFFICIAL USE ONLY
X-1	S 0 2	600	G		5	T 0 4	1,000	U	
X-2	T 0 3	20	E		6	S 0 5	46,000	Y	
	S 0 2	77,400	G		7				
	T 0 1	14,000	U		8				
3	T 0 4	2	D		9				
4	S 0 1	200,000	G		10				

CONTINUE ON REVERSE

ıtinued from the front.

PROCESSES (continued)

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

SEE ATTACHED

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.

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)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(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*

III. C., PROCESSES

The T Plant Complex (T Plant) is located in the 200 West Area of the Hanford Facility and consists of two structures, the 221-T Building (221-T) and the 2706-T Building (2706-T). The 221-T and 2706-T buildings are used for the storage (tank, container, and miscellaneous equipment) and treatment (tank, container, and decontamination activities) of mixed waste before transfer to the Double-Shell Tank (DST) System and/or the Central Waste Complex (CWC). The storage buildings located outside the 2706-T Building also are used to store containerized mixed and/or dangerous waste until transferred to the CWC and/or 616 Nonradioactive Dangerous Waste Storage Facility (616 NRDWSF). The following are the storage and treatment processes for T Plant.

S02

Liquid mixed waste from decontamination activities within the 221-T is transferred to a tank system consisting of five stainless steel storage tanks: tank 5-6 [4,600 gallons (17,400 liters) design capacity], tank 5-7 [10,000 gallons (38,000 liters) design capacity], tank 5-9 [4,800 gallons (18,200 liters) design capacity], tank 11-R [14,000 gallons (53,000 liters) design capacity], and tank 15-1 [14,000 gallons (53,000 liters) design capacity] located in reinforced concrete cells within 221-T. Tanks 5-6, 5-7, 5-9, and 11-R are used for secondary storage of liquid mixed waste and tank 15-1 is used for primary storage of liquid mixed waste. The maximum storage process design capacity of the five storage tanks is 47,400 gallons (179,600 liters).

Liquid mixed waste from decontamination activities at the 2706-T currently is transferred by underground pipeline to the 221-T tank system for storage until transferred to the DST System. In a future process, the liquid mixed waste from the decontamination activities at 2706-T will be stored in two proposed double-walled stainless steel tanks that will be located on the northside of 2706-T. The underground pipeline to the 221-T tank system will be used as a backup for these proposed storage tanks. Each 2706-T tank will have a process design capacity of 15,000 gallons (57,000 liters) for a maximum storage process design capacity of 30,000 gallons (114,000 liters).

The maximum storage process design capacity for the liquid mixed waste storage tanks at the 221-T and 2706-T is 77,400 gallons (293,600 liters).

T01

The liquid mixed waste that is stored in the 221-T, tank 15-1 is normally transferred by railroad car to the DST System. If the liquid mixed waste is transferred by underground pipelines, tank 15-1 is used to treat the liquid mixed waste to a pH greater than 12.0 before transfer to the DST System. This treatment process makes the liquid mixed waste more amenable for storage in the DST System. The maximum treatment process design capacity for tank 15-1 is 14,000 gallons (53,000 liters) per day.

III. C., PROCESSES (Continued)

T04

The decontamination activities (treatment) are performed within the following structures within T Plant.

The decontamination activities occur in 221-T in equipment referred to as thimbles and troughs, which are located in the canyons on the cell blocks over cells 8-R, 11-R, and 15-R. There are three stainless steel thimbles: thimble 1 is a 2,000 gallon (7,600 liter) open top tank with a tube section recessed through the cover block over cell 11-R; thimble 2 is a 300 gallon (1,200 liter) square open top tank with a tube section recessed in the cover block over cell 15-R; and thimble 3 is a 332 gallon (1,300 liter) open top tank with a tube section recessed in the cover block over cell 15-R. There are three stainless steel rectangular troughs: trough 1 is 18 feet (5.5 meters) long by 2 feet (0.6 meters) wide by 3 feet (0.9 meters) high; trough 2 is 8 feet (2.4 meters) long by 4 feet (1.2 meters) wide by 4 feet (1.2 meters) high; and trough 3 is 12 feet (3.7 meters) long by 8 feet (2.4 meters) wide by 4 feet (1.2 meters) high. The decontamination activities consist of decontaminating process equipment (i.e., pipelines, jumpers), various pieces of equipment (i.e., pumps, motors, damaged tools, etc.), and other discarded materials for recycle or disposal on the Hanford Facility. The decontamination process consists of placing equipment in the thimbles, troughs, or designated areas on the canyon deck and using air, steam, water, chemicals, and/or other methods to remove the contamination. The liquid mixed waste that is generated by this process is transferred to the 221-T tank system and then to the DST System. Solid mixed waste generated by this decontamination process (i.e., air blasting) is placed in U.S. Department of Transportation-approved containers for storage until transferred to the CWC.

The decontamination activities in the 2706-T occur over railroad and automotive pits located within the building. The railroad pit is 55 feet (16.9 meters) long by 17 feet (5.2 meters) wide by 6 feet (1.8 meters) deep. The automotive pit is 30 feet (9.1 meters) long by 4 feet (1.2 meters) wide by 6 feet (1.8 meters) deep. The 2706-T is used to decontaminate railroad equipment, buses, trucks, automobiles, cranes, earth moving equipment, and large pieces of plant process equipment by using air, steam, water, chemicals, and/or other methods to remove the contamination. The liquid mixed waste generated by this process is collected in the railroad pit and transferred to the 221-T tank system and then to the DST System. Solid mixed waste generated by this decontamination process (i.e., air blasting) is placed in U.S. Department of Transportation-approved containers for storage until transfer to the CWC.

The maximum treatment process design capacity for 221-T and 2706-T is 2 tons per hour (1.8 metric tons).

III. C., PROCESSES (Continued)

S01, T04

The storage and treatment of the dry and liquid mixed and/or dangerous waste in various sized containers will occur in the railroad tunnel, on the canyon deck and in various cells within the 221-T, and in storage buildings and/or units located within T Plant. Container storage capability at T Plant is required due to the need to complete laboratory analysis and characterization of mixed and/or dangerous waste samples before transferring the waste containers to the CWC and/or 616 NRDWSF. The treatment capability is needed in the event that it is necessary to add adsorbent or neutralize the contents of some containers before transfer.

The maximum storage process design capacity is 200,000 gallons (758,000 liters) and the maximum treatment process design capacity is 1,000 gallons (3,800 liters) per day.

S05

The designation S05 (storage miscellaneous) has been used to indicate that solid mixed waste stored on the canyon deck and in various cells is considered to be stored in a containment building subject to the requirements of 40 CFR 265, Subpart DD rather than a waste pile subject to the requirements of 40 CFR 265, Subpart L. The solid mixed waste consists of low-level process equipment, jumpers, and various other materials that might go through the decontamination process.

The maximum storage process design capacity on the canyon deck and in the cells is 46,000 cubic yards (35,200 cubic meters).

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

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)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	D001	279,000,000	P	S02 T01 T04	Storage-Tank/Treatment-Tank-Other
2	D002				(Decontamination Activities)
3	D003				
4	D004				
5	D005				
6	D006				
7	D007				
8	D008				
9	D009				
10	D010				
11	D011				
12	D018				
13	D019				
14	D022				
15	D028				
16	D029				
17	D030				
18	D033				
19	D034				
20	D035				
21	D036				
22	D038				
23	D039				
24	D040				
25	D041				
26	D043				

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

EPA I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	WT01	279,000,000	P	S02 T01 T04	Storage-Tank/Treatment-Tank-Other
2	WT02				(Decontamination Activities)(Cont.)
3	WC01				
4	WC02				
5	WP01				
6	WP02				
7	F001				
8	F002				
9	F003				
	F004				
11	F005				Included With Above
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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)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	D001	2,000,000	P	S01 T04	Storage-Container/Treatment-Other
2	D002				
3	D003				
4	D004				
5	D005				
6	D006				
7	D007				
8	D008				
9	D009				
10	D010				
11	D011				
12	D012				
13	D016				
14	D018				
15	D019				
16	D020				
17	D021				
18	D022				
19	D023				
20	D024				
21	D025				
22	D026				
23	D027				
24	D028				
25	D029				
26	D030				

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

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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)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	D031	2,000,000	P	S01 T04	Storage-Container/Treatment-Other
2	D032				(Continued)
3	D033				
4	D034				
5	D035				
6	D036				
7	D037				
8	D038				
9	D039				
	D040				
11	D041				
12	D042				
13	D043				
14	WT01				
15	WT02				
16	WC01				
17	WC02				
18	WP01				
19	WP02				
20	WP03				
21	W001				
22	F001				
23	F002				
	F003				
25	F004				
26	F005				

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

NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	F020	2,000,000	P	S01 T04	Storage-Container/Treatment-Other
2	F021				(Continued)
3	F022				
4	F023				
5	F026				
6	F027				
7	F028				
8	U001				
9	U002				
10	U003				
11	U004				
12	U005				
13	U006				
14	U007				
15	U008				
16	U009				
17	U010				
18	U011				
19	U012				
20	U013				
21	U014				
22	U015				
23	U016				
24	U017				
25	U018				
26	U019				

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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)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U020	2,000,000	P	S01 T04	Storage-Container/Treatment-Other
2	U021				(Continued)
3	U021				
4	U022				
5	U023				
6	U024				
7	U025				
8	U026				
9	U027				
	U028				
10	U029				
11	U030				
12	U031				
13	U032				
14	U033				
15	U034				
16	U035				
17	U036				
18	U037				
19	U038				
20	U039				
21	U041				
22	U042				
23	U043				
	U044				
25	U045				
26					

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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)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U046	2,000,000	P	S01 T04	Storage-Container/Treatment-Other
2	U047				(Continued)
3	U048				
4	U049				
5	U050				
6	U051				
7	U052				
8	U053				
9	U055				
	U056				
11	U057				
12	U058				
13	U059				
14	U060				
15	U061				
16	U062				
17	U063				
18	U064				
19	U066				
20	U067				
21	U068				
22	U069				
23	U070				
	U071				
25	U072				
26	U073				

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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)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U074	2,000,000	P	S01 T04	Storage-Container/Treatment-Other
2	U075				(Continued)
3	U076				
4	U077				
5	U078				
6	U079				
7	U080				
8	U081				
9	U082				
	U083				
11	U084				
12	U085				
13	U086				
14	U087				
15	U088				
16	U089				
17	U090				
18	U091				
19	U092				
20	U093				
21	U094				
22	U095				
	U096				
	U097				
25	U098				
26	U101				

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

EPA I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U102	2,000,000	P	S01 T04	Storage-Container/Treatment-Other
2	U107				(Continued)
3	U108				
4	U112				
5	U113				
6	U116				
7	U117				
8	U118				
9	U119				
	U120				
11	U123				
12	U124				
13	U134				
14	U136				
15	U137				
16	U139				
17	U140				
18	U145				
19	U146				
20	U148				
21	U149				
22	U150				
23	U151				
	U152				
25	U153				
26	U154				

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/	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)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U155	2,000,000	P	S01 T04	Storage-Container/Treatment-Other
2	U156				(Continued)
3	U157				
4	U158				
5	U159				
6	U160				
7	U161				
8	U162				
9	U163				
	U164				
	U165				
12	U166				
13	U167				
14	U168				
15	U169				
16	U170				
17	U171				
18	U172				
19	U173				
20	U174				
21	U175				
22	U176				
23	U177				
	U178				
	U179				
26	U180				

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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)*	D. PROCESSES 2. PROCESS DESCRIPTION *(If a code is not entered in D(1))*
1	U181	2,000,000	P	S01 T04	Storage-Container/Treatment-Other
2	U182				(Continued)
3	U183				
4	U184				
5	U185				
6	U186				
7	U187				
8	U188				
9	U189				
	J190				
11	U191				
12	U192				
13	U193				
14	U194				
15	U196				
16	U197				
17	U200				
18	U201				
19	U202				
20	U203				
21	U204				
22	U205				
23	U206				
	J207				
25	U208				
26	U209				

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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)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U210	2,000,000	P	S01 T04	Storage-Container/Treatment-Other
2	U211				(Continued)
3	U212				
4	U213				
5	U214				
6	U215				
7	U216				
8	U217				
9	U218				
	U219				
11	U220				
12	U221				
13	U222				
14	U223				
15	U225				
16	U226				
17	U227				
18	U228				
19	U230				
20	U231				
21	U232				
22	U233				
23	U234				
	U235				
25	U236				
26	U237				

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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)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U238	2,000,000	P	S01 T04	Storage-Container/Treatment-Other
2	U239				(Continued)
3	U240				
4	U241				-
5	U242				
6	U243				
7	U244				
8	U245				
9	U246				
	U247				
11	P001				
12	P002				
13	P003				
14	P004				
15	P005				
16	P006				
17	P007				
18	P008				
19	P009				
20	P010				
21	P011				
22	P012				
23	P013				
	P014				
25	P015				
26	P016				

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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)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	P017	2,000,000	P	S01 T04	Storage-Container/Treatment-Other
2	P018				(Continued)
3	P020				
4	P021				
5	P022				
6	P023				
7	P024				
8	P025				
9	P026				
	P027				
11	P028				
12	P029				
13	P030				
14	P031				
16	P033				
16	P034				
17	P035				
18	P036				
19	P037				
20	P038				
21	P039				
22	P040				
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	P042				
25	P043				
26	P044				

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

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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)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	P045	2,000,000	P	S01 T04	Storage-Container/Treatment-Other
2	P046				(Continued)
3	P047				
4	P048				
5	P049				
6	P050				
7	P051				
8	P052				
9	P054				
	P056				
10	P058				
12	P059				
13	P060				
14	P062				
15	P063				
16	P064				
17	P065				
18	P066				
19	P067				
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22	P070				
23	P071				
	P072				
25	P073				
26	P074				

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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)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	P075	2,000,000	P	S01 T04	Storage-Container/Treatment-Other
2	P076				(Continued)
3	P077				
4	P078				
5	P079				
6	P081				
7	P082				
8	P084				
9	P085				
	P087				
11	P088				
12	P089				
13	P092				
14	P093				
15	P094				
16	P095				
17	P096				
18	P097				
19	P098				
20	P099				
21	P101				
22	P102				
23	P103				
	P104				
25	P105				
26	P106				

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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)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	P107	2,000,000	P	S01 T04	Storage-Container/Treatment-Other
2	P108				(Continued)
3	P109				
4	P110				
5	P111				
6	P112				
7	P113				
8	P114				
9	P115				Included With Above
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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)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	D001	10,000,000	P	S05	Storage-Miscellaneous
2	D002				(Containment Building)
3	D003				
4	D004				
5	D005				
6	D006				
7	D007				
8	D008				
9	D009				
	D010				
11	D011				
12	D018				
13	D019				
14	D022				
15	D028				
16	D029				
17	D030				
18	D033				
19	D034				
20	D035				
21	D036				
22	D038				
23	D039				
	D040				
25	D041				
26	D043				

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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)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	WT01	10,000,000	P	S05	Storage-Miscellaneous
2	WT02				(Containment Building)(Continued)
3	WC01				
4	WC02				
5	WP01				
6	WP02				
7	F001				
8	F002				
9	F003				
10	F004				
11	F005				Included With Above
12					
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D. DESCRIPTION OF DANGEROUS WASTES (continued)

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

The T Plant Complex (T Plant) is used for the storage and treatment of mixed waste and/or dangerous waste. The mixed waste is transferred to the Double-Shell Tank System and/or Central Waste Complex. The dangerous waste is transferred to the 616 Nonradioactive Dangerous Waste Storage Facility.

The dangerous waste codes identified in Section IV.A. are associated with mixed and/or dangerous waste that could be stored and/or treated at T Plant. The mixed and/or dangerous waste consists of listed waste, characteristic waste, waste from nonspecific sources, toxicity characteristic waste, and state-only waste (extremely hazardous and dangerous waste).

The estimated annual quantities of mixed waste listed for S01, S02, S05, T01, and T04 and dangerous waste for S01 and T04 represent the maximum quantities of dry and liquid waste that could be stored and treated at T Plant. Future operations might necessitate an increase in excess of these estimates and a revision could be pursued as required by the dangerous waste regulations.

V. FACILITY DRAWING

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

VI. PHOTOGRAPHS

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

VII. FACILITY GEOGRAPHIC LOCATION This information is provided on the attached drawings and photos.

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

VIII. FACILITY OWNER

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

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

1. NAME OF FACILITY'S LEGAL OWNER	2. PHONE NO. *(area code & no.)*

3. STREET OR P.O. BOX	4. CITY OR TOWN	5. ST.	6. ZIP CODE

IX. OWNER CERTIFICATION

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

NAME *(print or type)*	SIGNATURE	DATE SIGNED
John D. Wagoner, Manager U.S. Department of Energy Richland Operations Office	John D. Wagoner	6/30/93

X. OPERATOR CERTIFICATION

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

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

X. OPERATOR CERTIFICATION

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

John D. Wagoner — 6/30/93

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

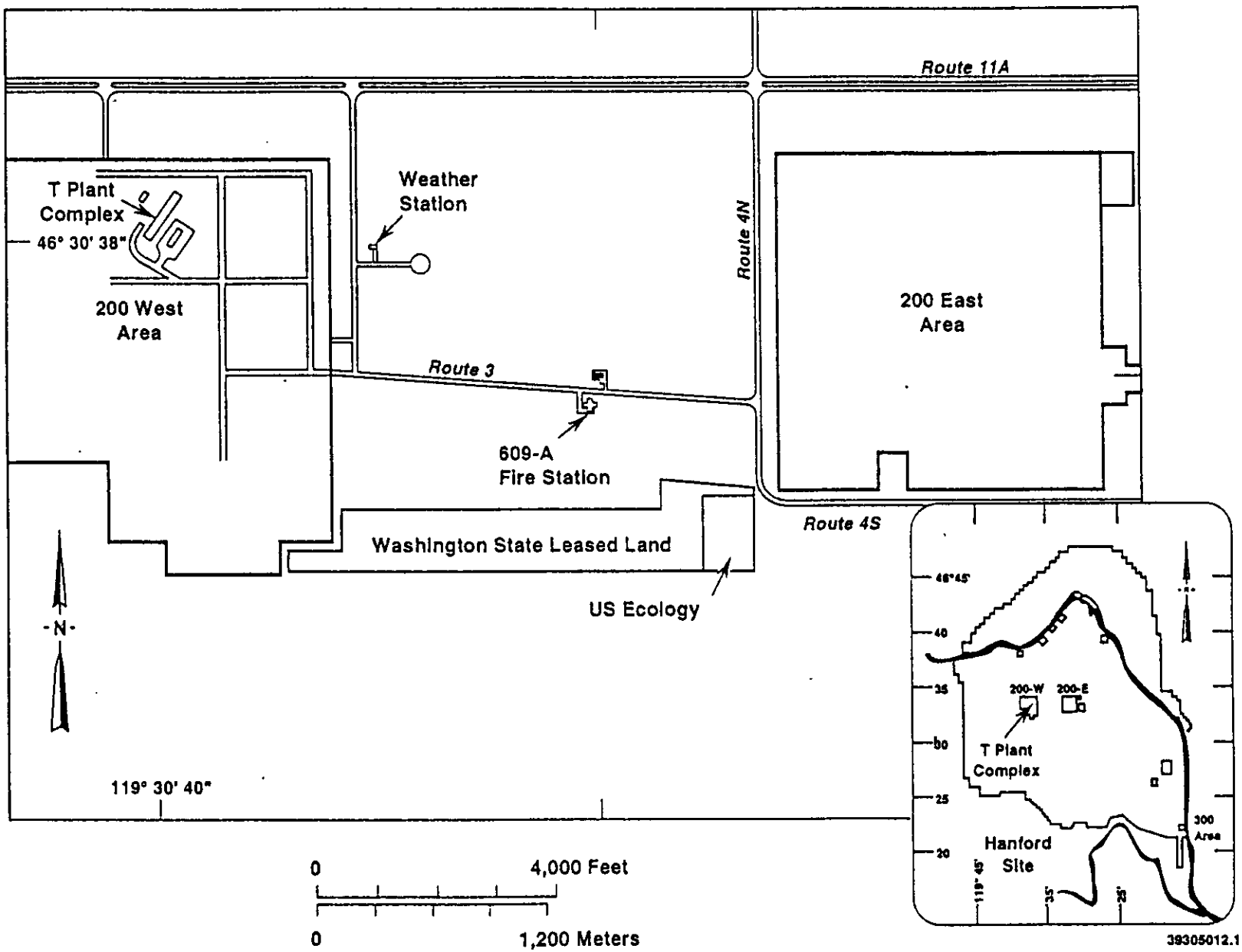
Date

Thomas M. Anderson — 6/10/93

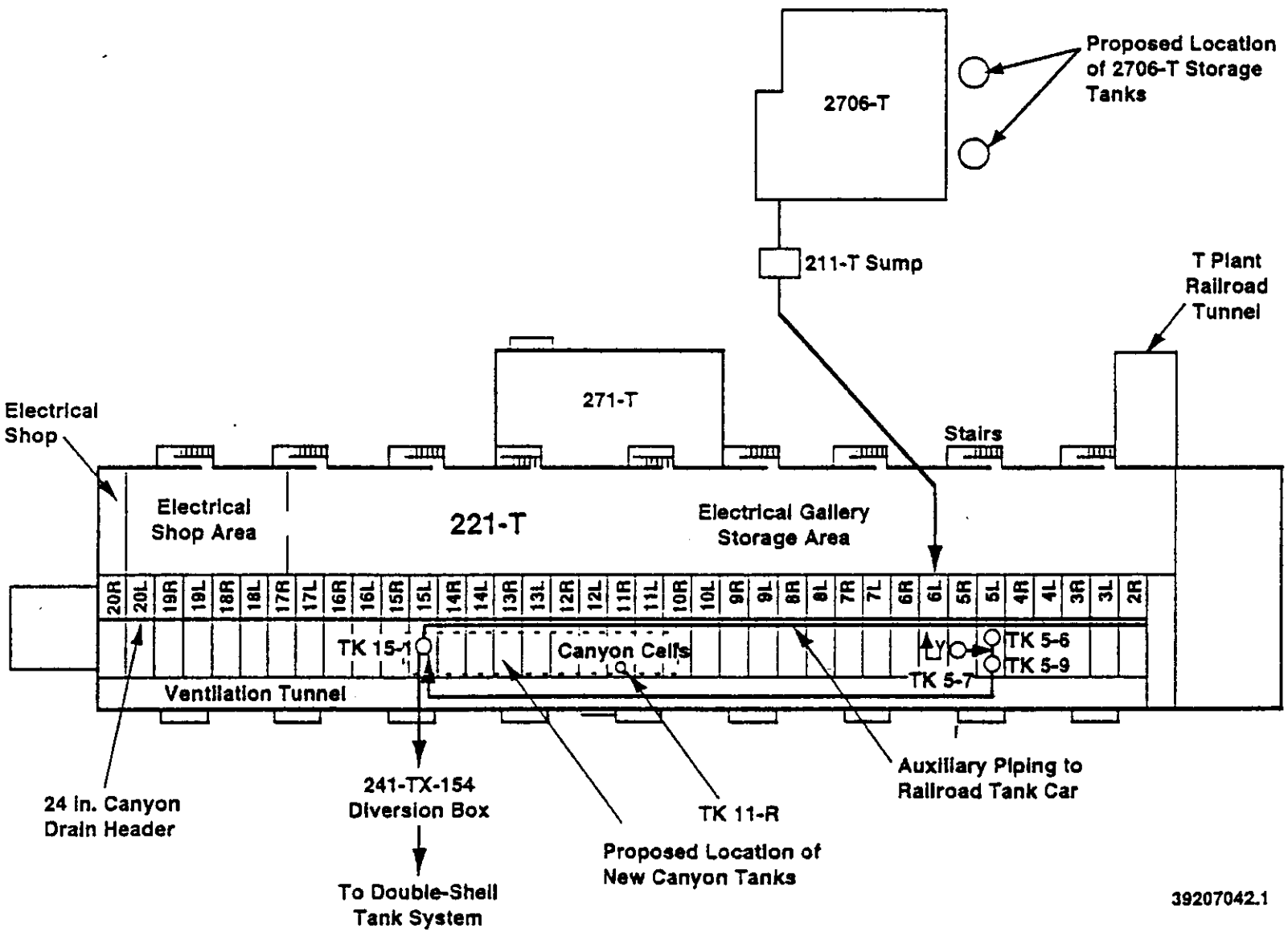
Co-operator
Thomas M. Anderson, President
Westinghouse Hanford Company

Date

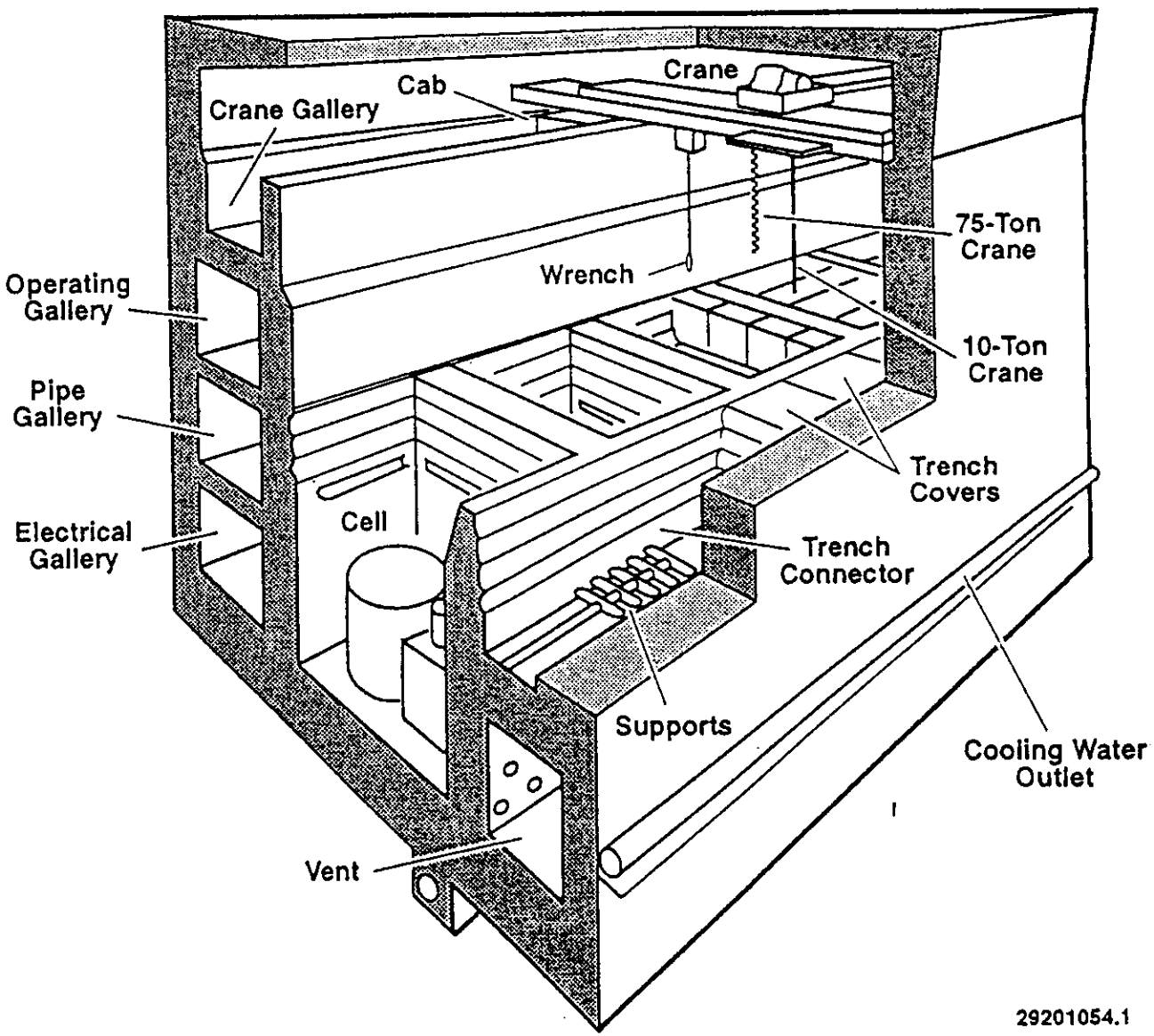
T PLANT COMPLEX SITE PLAN



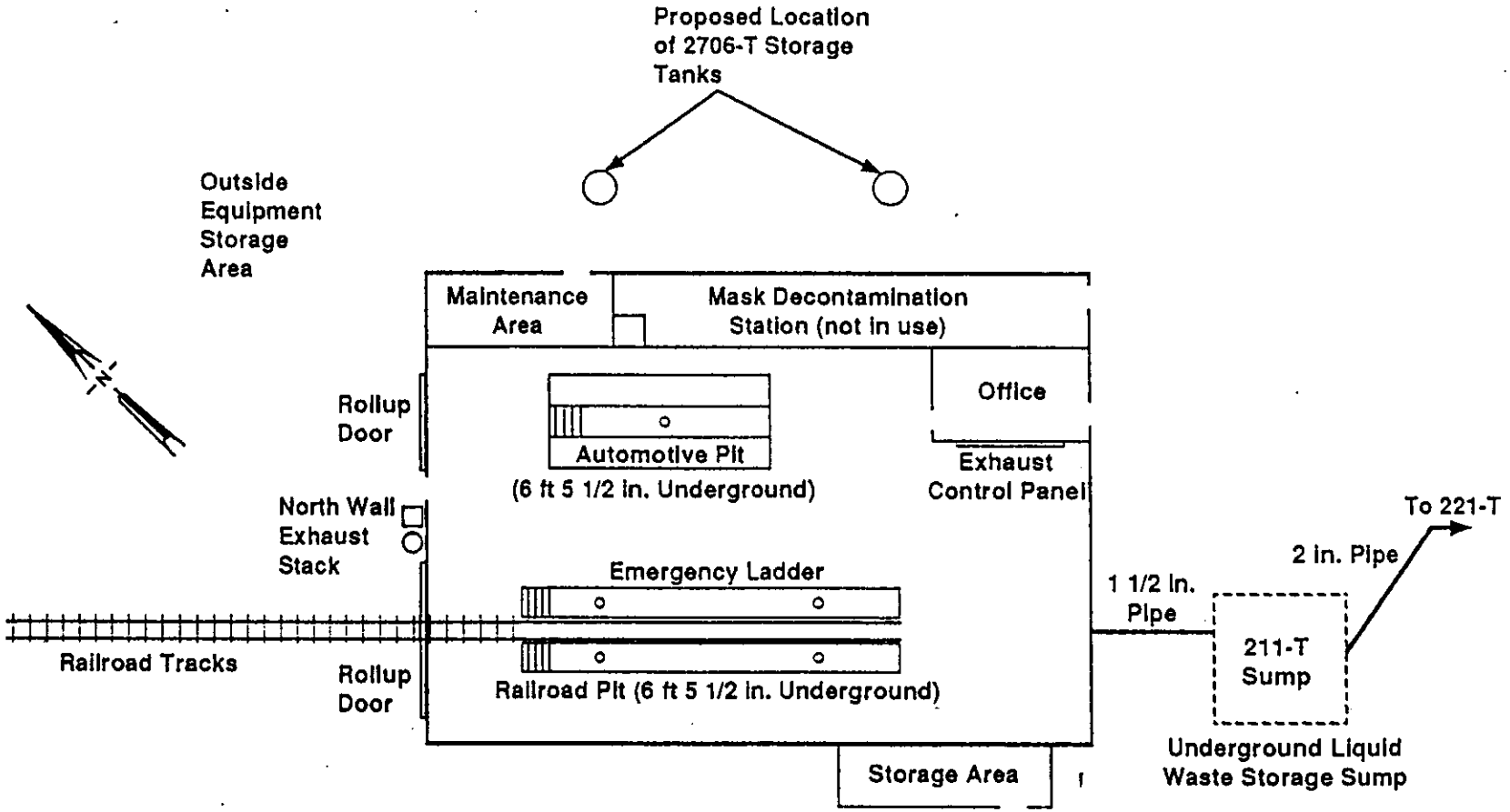
T PLANT COMPLEX - 221-T SITE PLAN



T PLANT COMPLEX - 221-T CUTAWAY

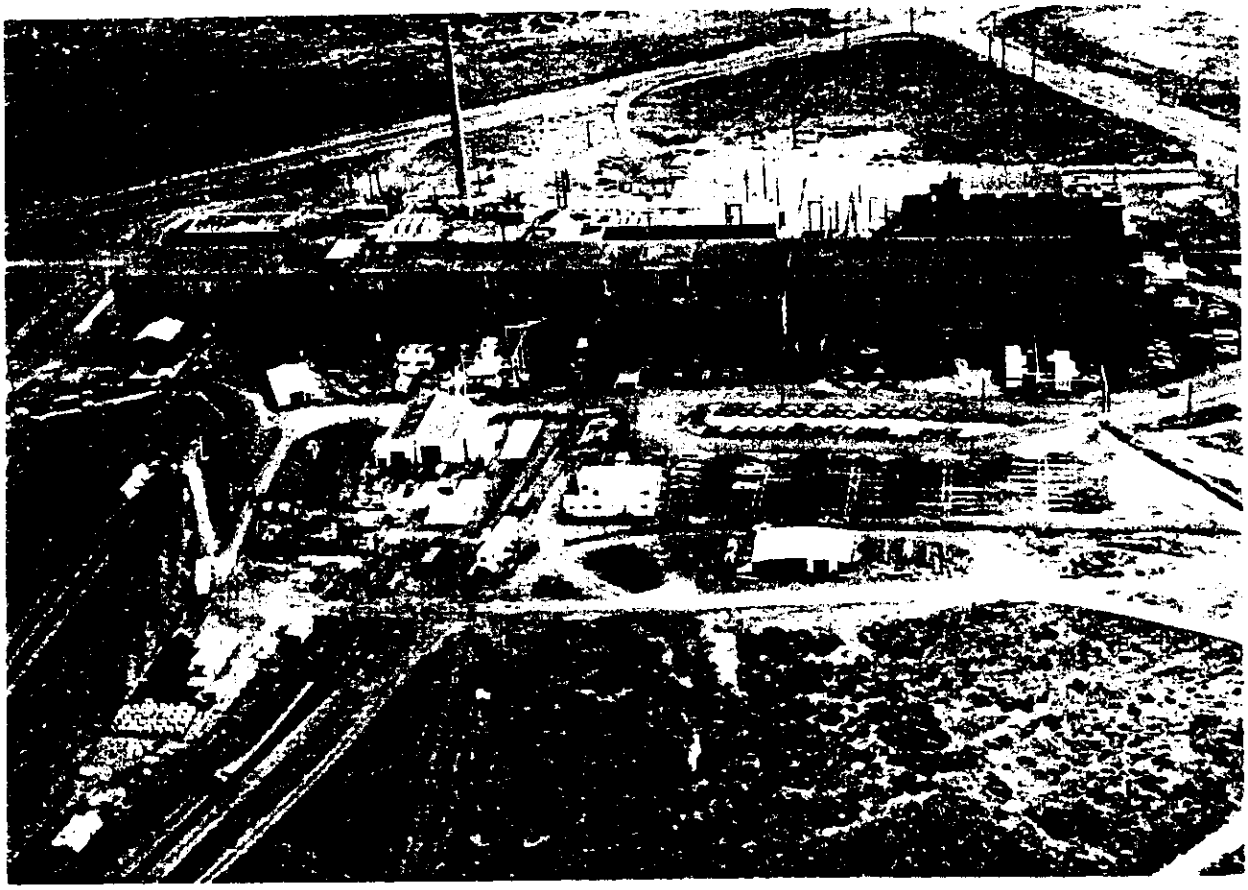


T PLANT COMPLEX - 2706-T SITE PLAN



39207042.2

T PLANT COMPLEX
AERIAL VIEW

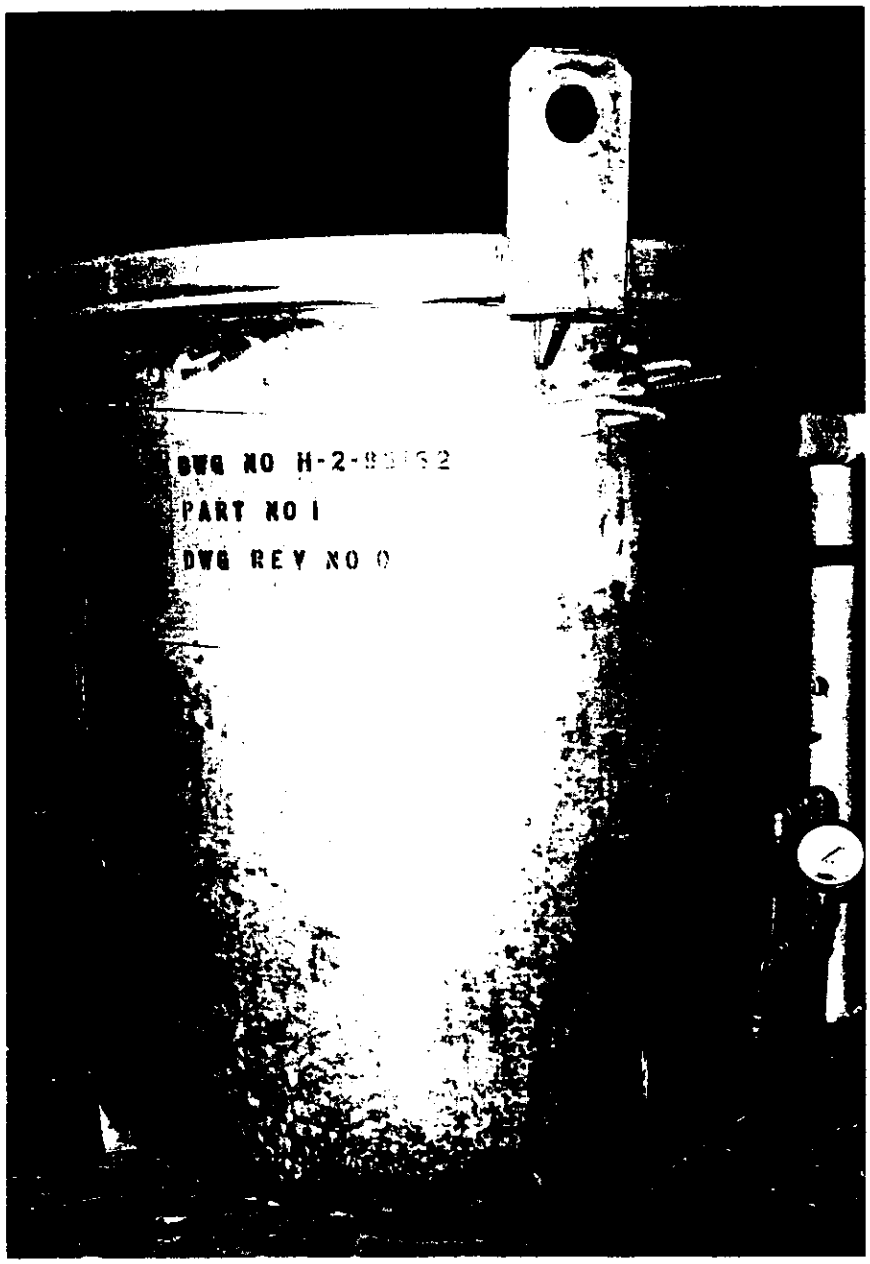


221-T BUILDING

46°30'38"
119°30'40"

93030994-122CN
(PHOTO TAKEN 1993)

T PLANT COMPLEX
221-T BUILDING

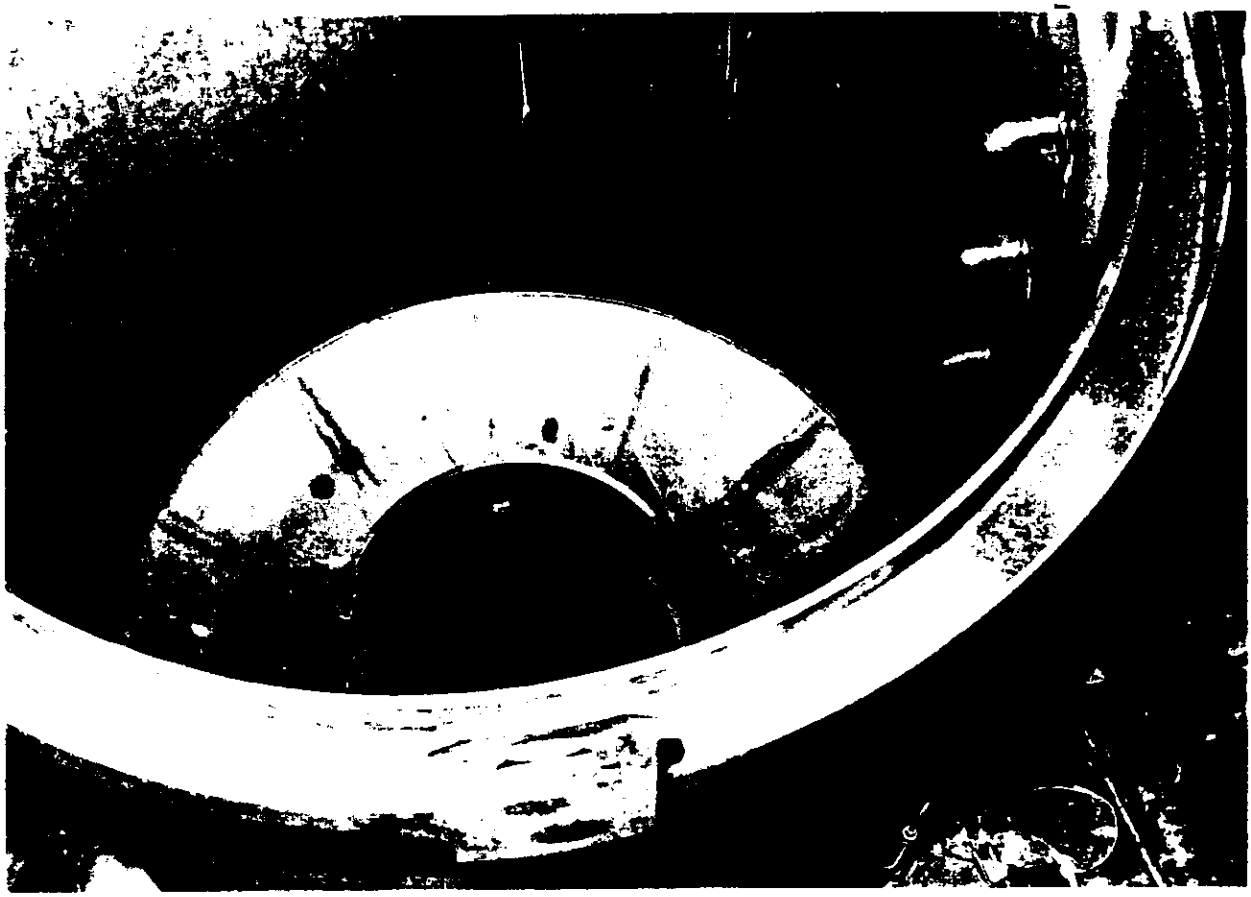


TYPICAL THIMBLE

46°30'38"
119°30'40"

93051132-3CN
(PHOTO TAKEN 1993)

T PLANT COMPLEX
221-T BUILDING



TYPICAL THIMBLE INTERNAL VIEW

46°30'38"
119°30'40"

93051473-9CN
(PHOTO TAKEN 1993)

T PLANT COMPLEX
221-T BUILDING

TYPICAL TROUGH

46°30'38"
119°30'40"

93051473-2CN
(PHOTO TAKEN 1993)

T PLANT COMPLEX
221-T BUILDING

CANYON DECK

46°30'38"
119°30'40"

93051132-8CN
(PHOTO TAKEN 1993)

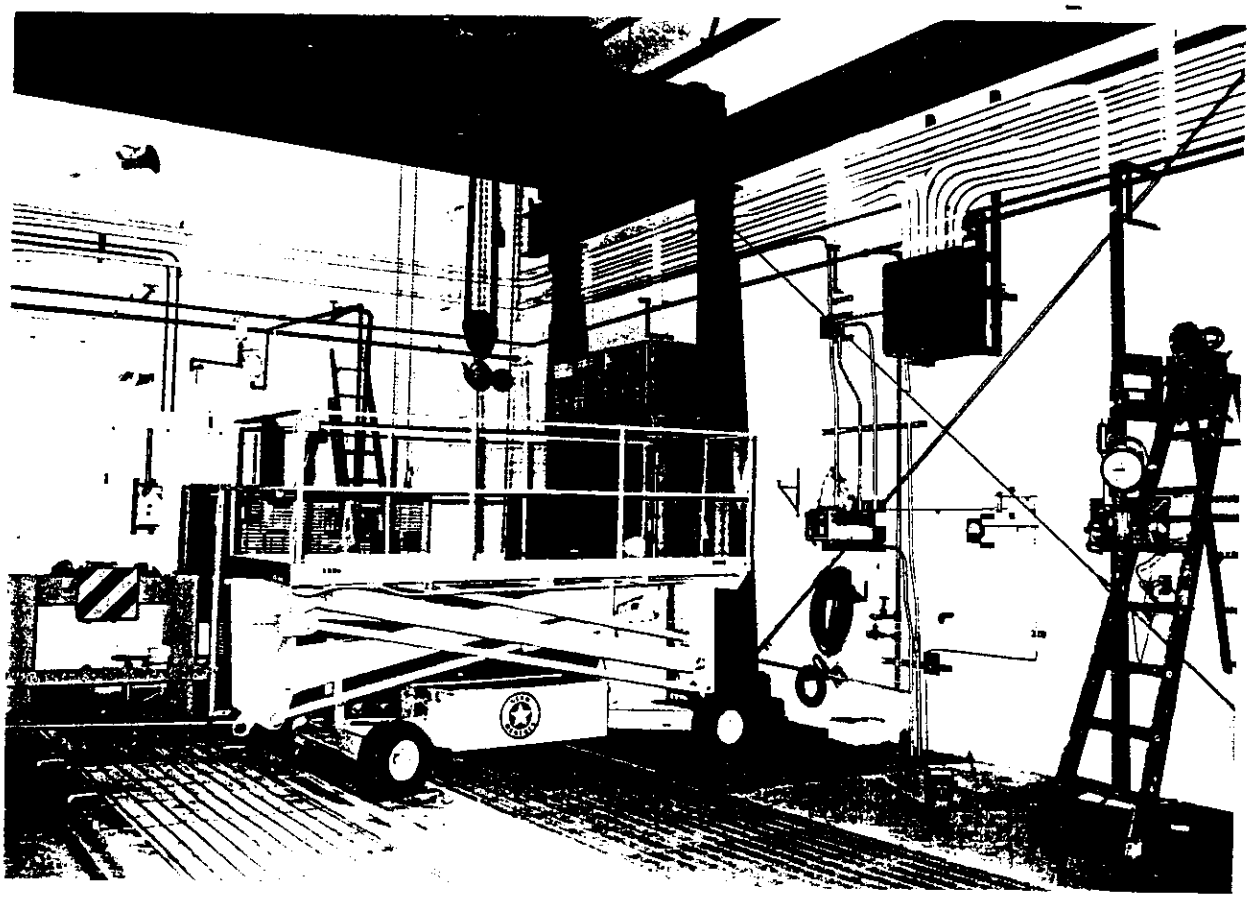
T PLANT COMPLEX
2706-T BUILDING

AERIAL VIEW

46°30'38"
119°30'40"

93030994-257CN
(PHOTO TAKEN 1993)

T PLANT COMPLEX
2706-T BUILDING

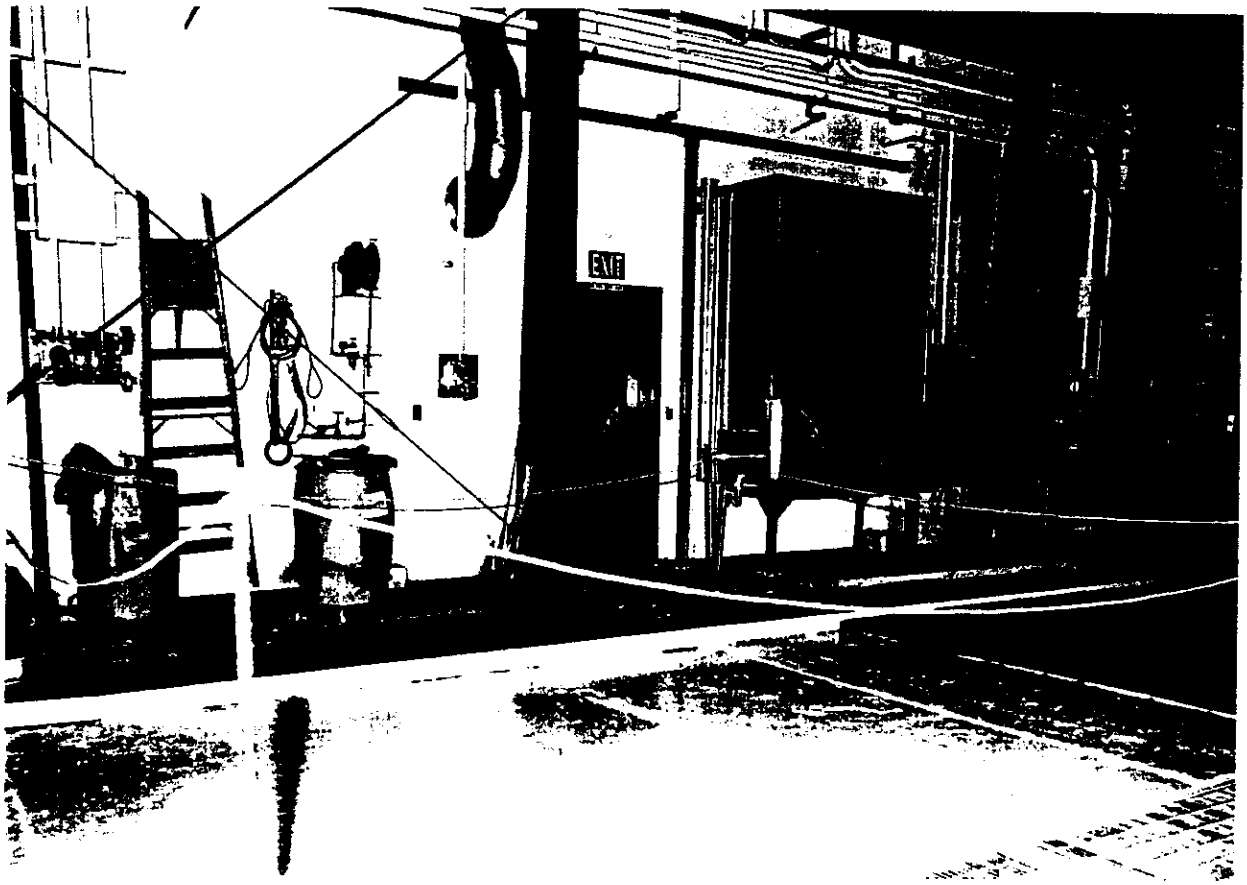


RAILROAD PIT

46°30'38"
119°30'40"

93040127-3CN
(PHOTO TAKEN 1993)

T PLANT COMPLEX
2706-T BUILDING

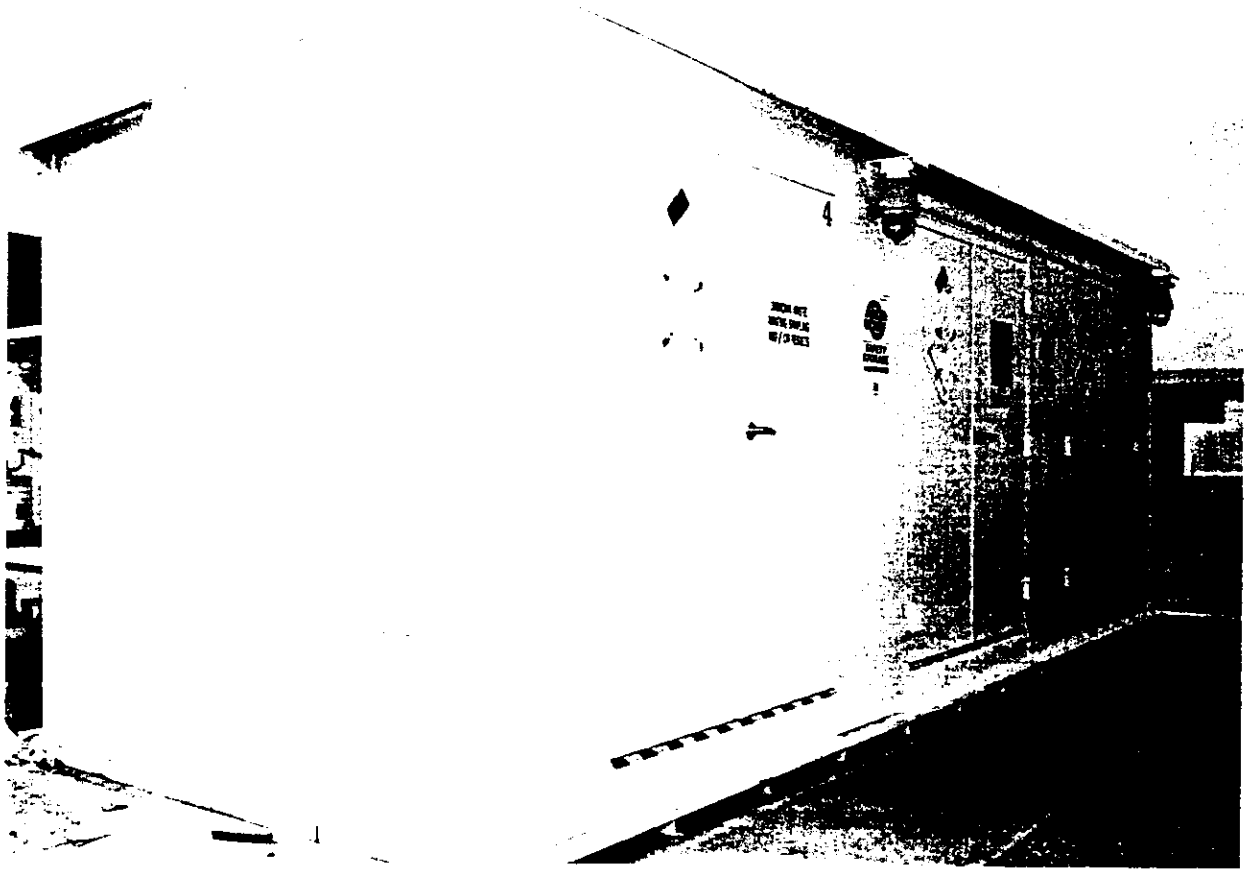


AUTOMOTIVE PIT

46°30'38"
119°30'40"

93040127-2CN
(PHOTO TAKEN 1993)

T PLANT COMPLEX
2706-T BUILDING



TYPICAL STORAGE BUILDING

46°30'38"
119°30'40"

93040127-13CN
(PHOTO TAKEN 1993)

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

CONTENTS

VOLUME 1 OF 3

d = Dangerous waste treatment, storage, and/or disposal unit.
m = Mixed waste treatment, storage, and/or disposal unit.
a = Active treatment, storage, and/or disposal unit.
c = Treatment, storage, and/or disposal unit closing under interim status.
♦ = Revised this issue.

CONTENTS (cont)

d = Dangerous waste treatment, storage, and/or disposal unit.
m = Mixed waste treatment, storage, and/or disposal unit.
a = Active treatment, storage, and/or disposal unit.
c = Treatment, storage, and/or disposal unit closing under interim status.
♦ = Revised this issue.

CONTENTS (cont)

VOLUME 3 OF 3

d = Dangerous waste treatment, storage, and/or disposal unit.
m = Mixed waste treatment, storage, and/or disposal unit.
a = Active treatment, storage, and/or disposal unit.
c = Treatment, storage, and/or disposal unit closing under interim status.
♦ = Revised this issue.

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

M
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

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.)*

MO.	DAY	YR.
0 3	1 8	7 7

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

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

MO.	DAY	YR.

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

B. REVISED APPLICATION *(place an "X" below and complete Section 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	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER (barrel, drum, etc)	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
Disposal:		
INJECTION WELL	D80	GALLONS OR LITERS
LANDFILL	D81	ACRE-FEET *(the volume that would cover one acre to a depth of one foot)* OR HECTARE-METER
LAND APPLICATION	D82	*ACRES OR HECTARES*
OCEAN DISPOSAL	D83	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D84	GALLONS OR LITERS

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Section III-C.)	T04	GALLONS PER DAY OR LITERS PER DAY

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

EXAMPLE FOR COMPLETING 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 1. AMOUNT *(specify)*	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE *(enter code)*	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE *(from list above)*	B. PROCESS DESIGN CAPACITY 1. AMOUNT *(specify)*	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE *(enter code)*	FOR OFFICIAL USE ONLY
X-1	S 0 2	600	G		5				
X-2	T 0 3	20	E		6				
	0 4	210,000	G		7				
2					8				
3					9				
4					10				

Continued from the front.

II. PROCESSES (continued)

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

S04

The 207-A South Retention Basin (207-A Basin), which is also known as the Process Condensate (PC) Basins 1, 2, and 3 (i.e., PC-1, PC-2, and PC-3), began operation in March 1977. The 207-A Basin consists of three concrete cells (S04), each with a nominal 70,000 gallon (265,000 liter) capacity for a total combined capacity of a nominal 210,000 gallons (795,000 liters). All three cells are coated to prevent constituents from penetrating the concrete. The 207-A Basin was used for the interim storage of the 242-A Evaporator process condensate to allow for sampling and analysis before the condensate was discharged to the 216-A-37-1 Crib for final disposition. Discharge of 242-A Evaporator process condensate to the 207-A Basin was terminated on April 12, 1989, when it was determined that the 242-A Evaporator process condensate contained or could have contained mixed waste regulated under Washington Administrative Code 173-303. The 207-A Basin will remain out of service and will be closed under interim status. A closure plan for the decommissioning and final disposition of this storage unit is planned.

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
POUNDS	P
TONS	T

METRIC UNIT OF MEASURE	CODE
KILOGRAMS	K
METRIC TONS	M

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

D. PROCESSES

1. PROCESS CODES:

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

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

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

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

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

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

EXAMPLE FOR COMPLETING SECTION IV *(shown in line numbers X-1, X-2, X-3, and X-4 below)* - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
	K 0 5 4	900	P	T 0 3 D 8 0	
	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.
NF *Photocopy this page before completing if you have more than 26 wastes to list.*

I ABER *(entered from page 1)*

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)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	F001	1,749,300	P	S04	Storage - Surface Impoundment
2	F002				
3	F003				
4	F004				
5	F005				
6	WT02				Included With Above
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

Continued from the front.

DESCRIPTION OF DANGEROUS WASTES (continued)

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

The 207-A Basin was taken out of service on April 12, 1989, and no longer receives 242-A Evaporator process condensate. A closure plan for the decommissioning and final disposition of this storage unit is planned. A description of the dangerous waste temporarily stored at the 207-A Basin is as follows.

The 242-A Evaporator process condensate is regulated as a mixed waste due to the presence of spent halogenated and nonhalogenated solvents (F001, F002, F003, F004, and F005), and for the toxicity of ammonia (WT02, toxic state-only dangerous waste). The Estimated Annual Quantity of Dangerous Waste (item IV.B) of 1,749,300 pounds (793,482 kilograms) per year represents the maximum operating capacity of the 207-A Basin.

FACILITY DRAWING

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

VI. PHOTOGRAPHS

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

VII. FACILITY GEOGRAPHIC LOCATION This information is provided on the attached drawings and photos.

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

VIII. FACILITY OWNER

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

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

1. NAME OF FACILITY'S LEGAL OWNER	2. PHONE NO. *(area code & no.)*

3. STREET OR P.O. BOX	4. CITY OR TOWN	5. ST.	6. ZIP CODE

IX. OWNER CERTIFICATION

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

NAME *(print or type)*	SIGNATURE	DATE SIGNED
John D. Wagoner, Manager U.S. Department of Energy Richland Operations Office	John D. Wagoner	8/23/93

OPERATOR CERTIFICATION

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

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

X. OPERATOR CERTIFICATION

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

John D. Wagoner 8/23/93

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

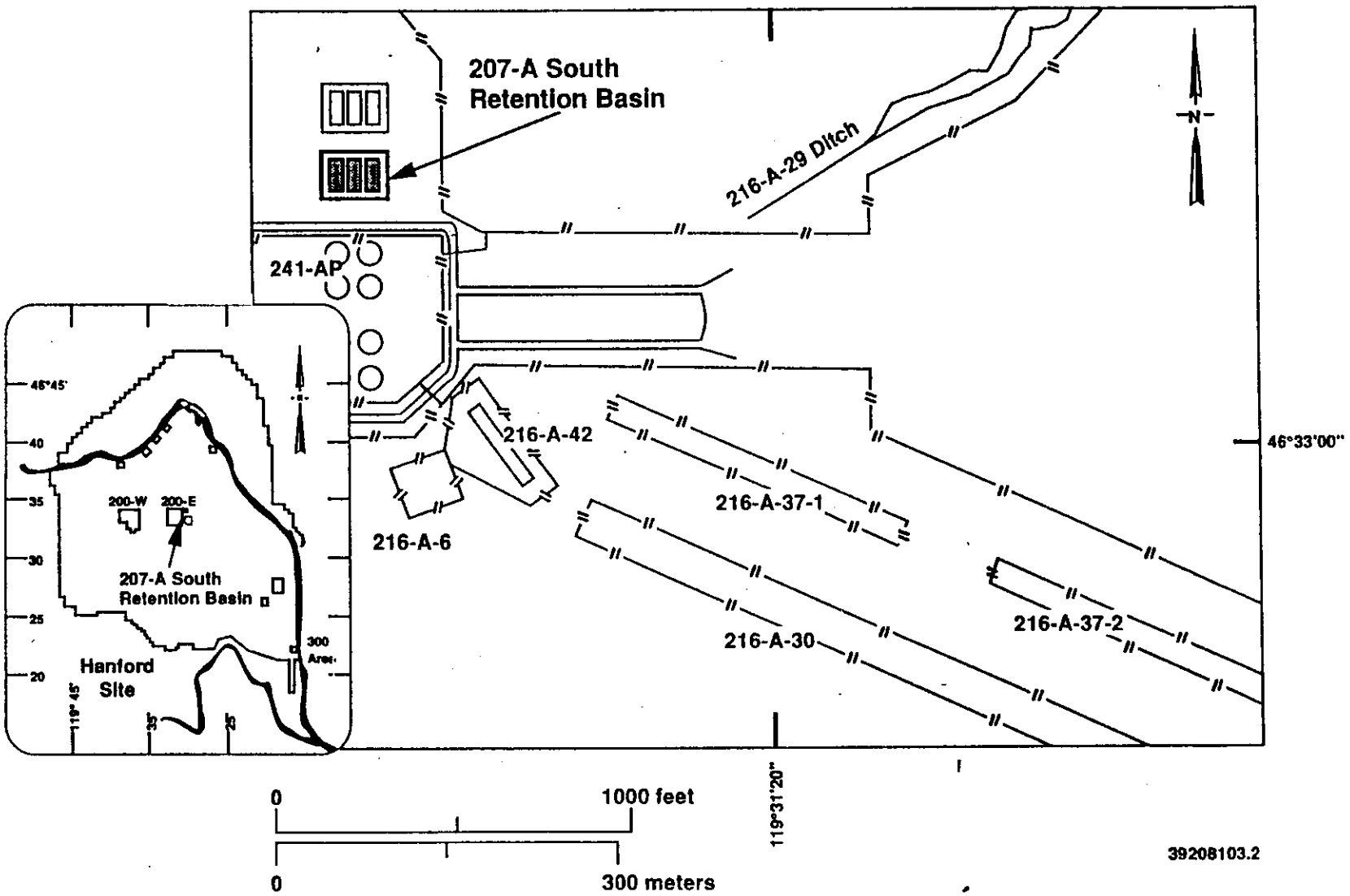
Date

Thomas M. Anderson 7/1/93

Co-operator
Thomas M. Anderson, President
Westinghouse Hanford Company

Date

207-A South Retention Basin Site Plan



207-A SOUTH RETENTION BASIN

46°33'09"
119°30'52.2"

93060005-12CN
(PHOTO TAKEN 1993)

Please print or type in the unshaded areas only
(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

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.)*

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)*

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

MO. 0 6 | DAY 2 8 | YR. 9 3 — 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	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER (barrel, drum, etc)	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
Disposal:		
INJECTION WELL	D80	GALLONS OR LITERS
LANDFILL	D81	ACRE-FEET *(the volume that would cover one acre to a depth of one foot)* OR HECTARE-METER
LAND APPLICATION	D82	*ACRES OR HECTARES*
OCEAN DISPOSAL	D83	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D84	GALLONS OR LITERS

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Section III-C.)	T04	GALLONS PER DAY OR LITERS PER DAY

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

EXAMPLE FOR COMPLETING 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 1. AMOUNT *(specify)*	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE *(enter code)*	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE *(from list above)*	B. PROCESS DESIGN CAPACITY 1. AMOUNT *(specify)*	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE *(enter code)*	FOR OFFICIAL USE ONLY
X-1	S 0 2	600	G		5				
X-2	T 0 3	20	E		6				
1	0 4	19,500,000	G		7				
2					8				
3					9				
4					10				

CONTINUE ON REVERSE

Continued from the front.

d. PROCESSES (continued)

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

S04

The Liquid Effluent Retention Facility (LERF) was constructed under interim status in accordance with the Washington Administrative Code (WAC) 173-303. The LERF will provide interim storage of the 242-A Evaporator process condensate until treatment capability for the process condensate is available.

The LERF is a retention basin consisting of three cells (surface impoundments) (S04). Each cell has a design capacity of 6,500,000 gallons (24,605,000 liters) with a total capacity of 19,500,000 gallons (73,815,000 liters).

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)	D. PROCESSES 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.

JUMBER *(entered from page 1)*

A	7	8	9	0	0	0	8	9	6	7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	F001	162,728,000	P	S04	Storage - Surface Impoundment
2	F002				
3	F003				
4	F004				
5	F005				
6	WT02				Included With Above
7					
8					
9					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
25					
26					

ntinued from the front.

DESCRIPTION OF DANGEROUS WASTES (continued)

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

The LERF will receive and store the 242-A Evaporator process condensate until treatment capability for the process condensate is available. A description of the dangerous waste stored at LERF is as follows.

The 242-A Evaporator process condensate will be regulated as a mixed waste due to the presence of spent halogenated and nonhalogenated solvents (F001, F002, F003, F004, and F005) and for the toxicity of ammonia (WT02, toxic state-only dangerous waste).

The Estimated Annual Quantity of Dangerous Waste (item III.B.1) of 162,728,000 pounds (73,812,000 kilograms) per year is based on approximately 19,500,000 gallons (73,815,000 liters) of waste, or the total capacity of the the LERF.

V. FACILITY DRAWING

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

VI. PHOTOGRAPHS

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

VII. FACILITY GEOGRAPHIC LOCATION This information is provided on the attached drawings and photos.

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

VIII. FACILITY OWNER

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

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

1. NAME OF FACILITY'S LEGAL OWNER	2. PHONE NO. *(area code & no.)*

3. STREET OR P.O. BOX	4. CITY OR TOWN	5. ST.	6. ZIP CODE

IX. OWNER CERTIFICATION

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

NAME *(print or type)*	SIGNATURE	DATE SIGNED
John D. Wagoner, Manager '' S. Department of Energy hland Operations Office	John D. Wagoner	5/19/93

OPERATOR CERTIFICATION

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

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

X. OPERATOR CERTIFICATION

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

John D. Wagoner — 5/19/93

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

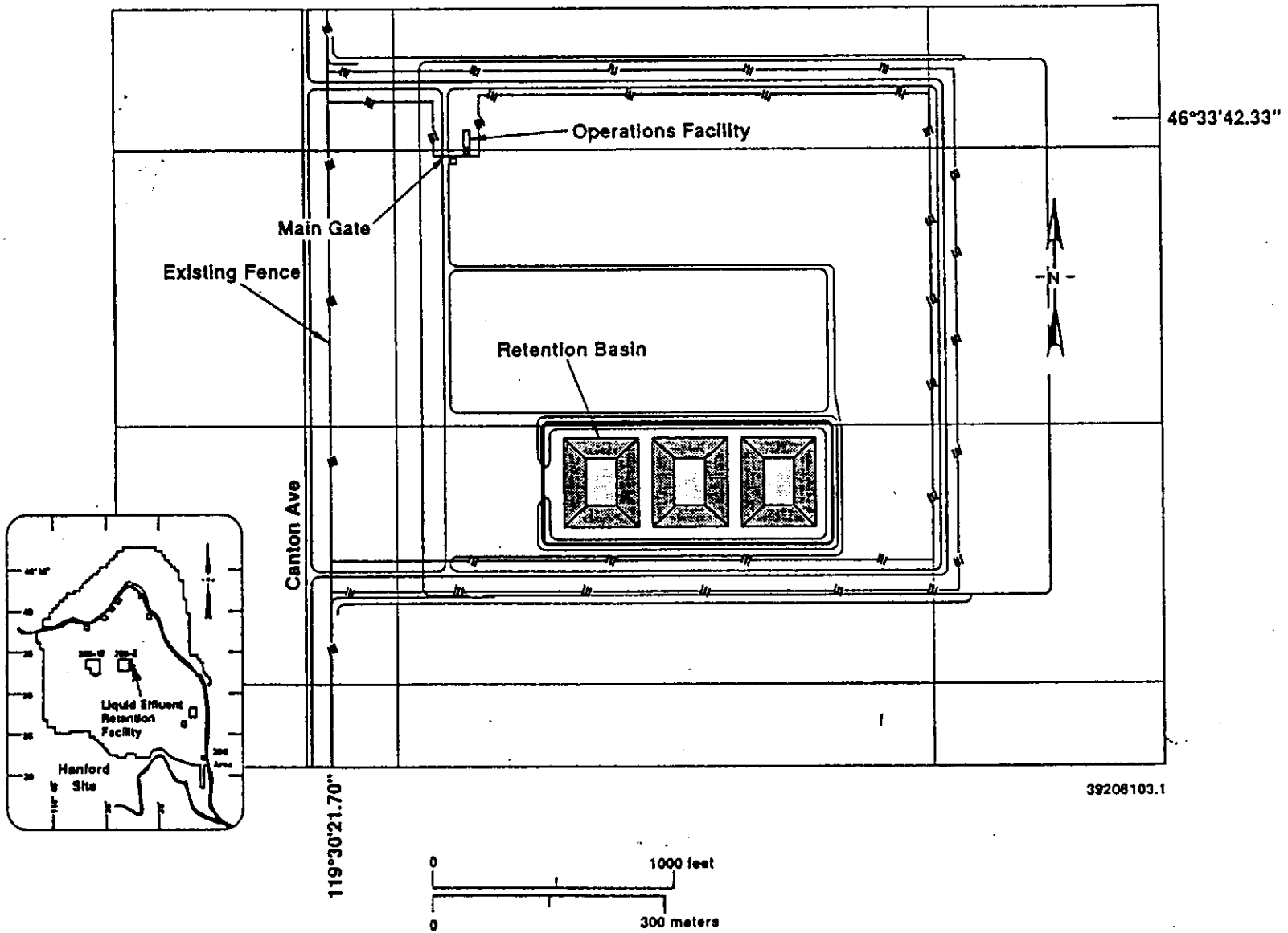
Date

Thomas M. Anderson — 4/7/93

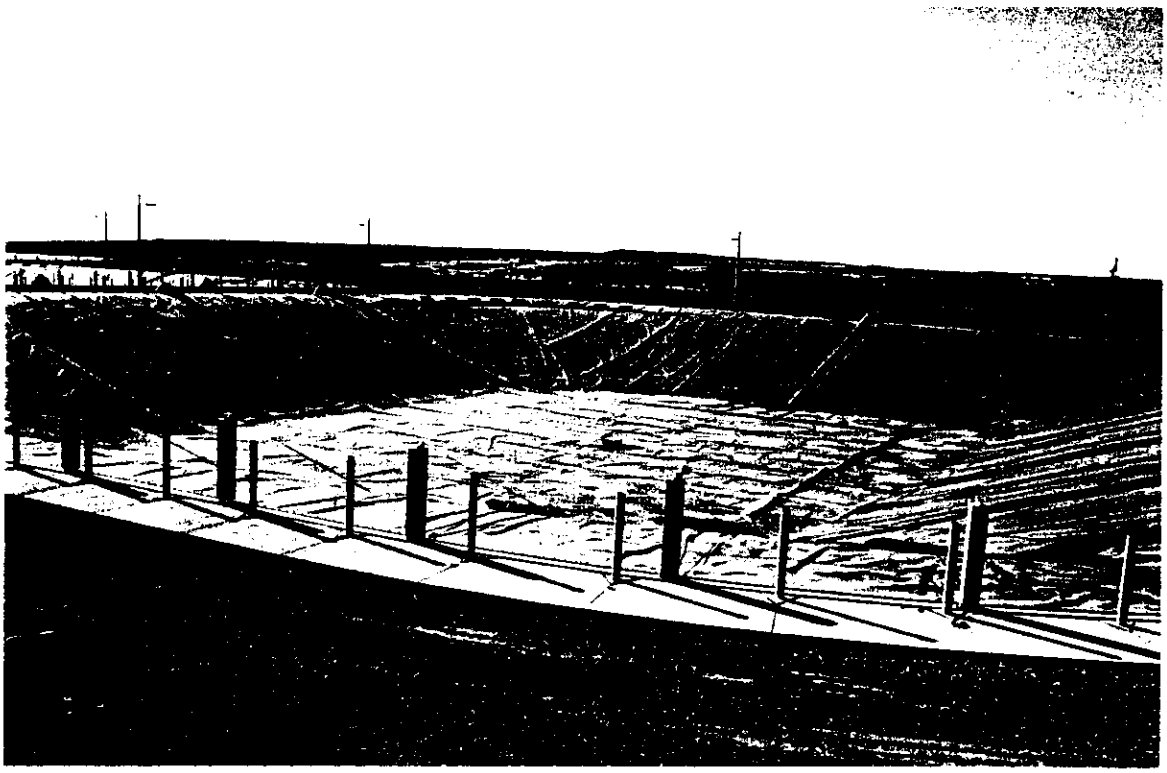
Co-operator
Thomas M. Anderson, President
Westinghouse Hanford Company

Date

Liquid Effluent Retention Facility
Site Plan



LIQUID EFFLUENT RETENTION FACILITY



TYPICAL BASIN

46°33'42.33"
119°30'21.70"

92081260-9CN
(PHOTO TAKEN 1992)

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

CONTENTS

VOLUME 1 OF 3

9 3 1 3 5 1 9 3 7

d = Dangerous waste treatment, storage, and/or disposal unit.
m = Mixed waste treatment, storage, and/or disposal unit.
a = Active treatment, storage, and/or disposal unit.
c = Treatment, storage, and/or disposal unit closing under interim status.
♦ = Revised this issue.

CONTENTS (cont)

d = Dangerous waste treatment, storage, and/or disposal unit.
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♦ = Revised this issue.

CONTENTS (cont)

VOLUME 3 OF 3

d = Dangerous waste treatment, storage, and/or disposal unit.
m = Mixed waste treatment, storage, and/or disposal unit.
a = Active treatment, storage, and/or disposal unit.
c = Treatment, storage, and/or disposal unit closing under interim status.
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