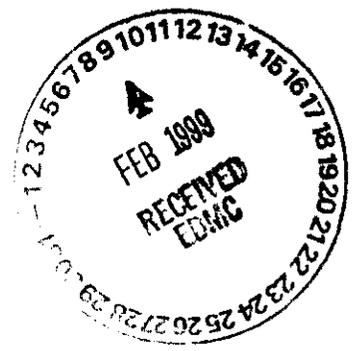


Date: January 1999	Copy No.: 145a
To: D. A. Isom	Document No.: DOE/RL-88-21
MSIN: H6-08	Title: HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION
	Revision Release No.: Revision 22

Section Number and Title	Remove			Insert		
	Page(s)	Rev.	Date	Page(s)	Rev.	Date
Volume 1						
Contents	1-3	21	09/98	1-3	22	01/99
2.0 Permitting Status for Dangerous Waste Treatment, Storage, and/or Disposal Units	1-5	21	09/98	1-5	22	01/99
4.2.1.6 T Plant Complex	1-27	6	10/01/96	1-30	7	12/23/98
4.2.1.9 222-S Laboratory Complex	1-20	6	12/19/97	1-20	7	12/23/98
4.2.1.15 Plutonium Finishing Plant Treatment Unit				1-9	0	12/23/98
Volume 2						
Contents	1-3	21	09/98	1-3	22	01/99
4.2.3.1 Low-Level Burial Grounds	1-25	10	07/25/97	1-27	11	12/23/98
Volume 3						
Contents	1-3	21	09/98	1-3	22	01/99
4.5.2.2 600 Area Purgewater Storage and Treatment Facility	1-7	2	10/01/96	1-7	3	09/11/98



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

Name: DA Isom	Date: 2/10/99
---------------	---------------

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

Revision

VOLUME 1

1.0	INTRODUCTION	
2.0	PERMITTING STATUS FOR DANGEROUS WASTE TREATMENT, STORAGE, AND/OR DISPOSAL UNITS	◆
3.0	FORM 1 - DANGEROUS WASTE PERMIT APPLICATION	
4.0	FORM 3 - DANGEROUS WASTE PERMIT APPLICATION	
4.1	100 AREA FACILITIES	
4.1.1	Treatment Facilities	
4.1.1.1	1324-N Surface Impoundment	3
4.1.1.2	105-DR Large Sodium Fire Facility	4
4.1.1.3	1706-KE Waste Treatment System	3
4.1.1.4	183-H Solar Evaporation Basins	4
4.1.2	Disposal Facilities	
4.1.2.1	1301-N Liquid Waste Disposal Facility	7
4.1.2.2	1325-N Liquid Waste Disposal Facility	7
4.1.2.3	1324-NA Percolation Pond	3
4.1.2.4	100-D Ponds	4
4.2	200 AREA FACILITIES	
4.2.1	Treatment Facilities	
4.2.1.1	221-T Containment Systems Test Facility	3
4.2.1.2	200 West Area Ash Pit Demolition Site--CLOSED 10/26/95	4
4.2.1.3	218-E-8 Borrow Pit Demolition Site--CLOSED 10/26/95	4
4.2.1.4	242-A Evaporator	7
4.2.1.5	Grout Treatment Facility	5
4.2.1.6	T Plant Complex	7
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	7
4.2.1.10	204-AR Waste Unloading Station	4
4.2.1.11	PUREX Plant	8
4.2.1.12	Hanford Waste Vitrification Plant	5
4.2.1.13	200 Area Effluent Treatment Facility	3
4.2.1.14	Waste Receiving and Processing	2
4.2.1.15	Plutonium Finishing Plant Treatment Unit	0

◆ = Revised this issue.

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

Revision

VOLUME 2

4.2.2	Storage Facilities	
4.2.2.1	<i>2727-S Storage Facility--CLOSED 06/27/95</i>	2
4.2.2.2	Double-Shell Tank System	8
4.2.2.3	Hexone Storage and Treatment Facility	3
4.2.2.4	2727-WA SRE Sodium Storage Building	1
4.2.2.5	PUREX Storage Tunnels	5
4.2.2.6	224-T Transuranic Waste Storage and Assay Facility	6
4.2.2.7	Central Waste Complex	5
4.2.2.8	Single-Shell Tank System	4
4.2.2.9	207-A South Retention Basin	2
4.2.2.10	Liquid Effluent Retention Facility	6
4.2.2.11	241-CX Tank System	3
4.2.2.12	Waste Encapsulation and Storage Facility	0
4.2.3	Disposal Facilities	
4.2.3.1	Low-Level Burial Grounds	11 ♦
4.2.3.2	216-S-10 Pond and Ditch	3
4.2.3.3	<i>2101-M Pond--CLOSED 10/26/95</i>	2
4.2.3.4	216-A-29 Ditch	3
4.2.3.5	216-B-3 Main Pond	5
4.2.3.6	216-B-63 Trench	3
4.2.3.7	216-A-10 Crib	3
4.2.3.8	216-U-12 Crib	3
4.2.3.9	216-A-36B Crib	1
4.2.3.10	216-A-37-1 Crib	2
4.2.3.11	<i>216-B-3 Expansion Ponds--CLOSED 06/27/95</i>	0

VOLUME 3

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

♦ = Revised this issue.

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

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

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

Unit	Co-op ¹	Area ²	Unit type T=treatment S=storage D=disposal	Waste type M=mixed D=dangerous	Unit classification ³	Document type ⁴	Part A			Part B		Closure plan		Postclosure		Date closed
							Initial	Latest	Rev.	Latest	Rev.	Date	Rev.	Date	Rev.	
100 Area																
1324-N Surface Impoundment	BHI	100	T	D	7	2,3	08/01/86	06/30/94	3							
105-DR Large Sodium Fire Facility	FDH	100	TS	D	1,13,17	3	11/01/85	05/11/98	4			03/95	2			
1706-KE Waste Treatment System	FDH	100	TS	M	3,13	2	08/01/86	10/01/96	3							
183-H Solar Evaporation Basins	BHI	100	TS	M	3,4	4	11/01/85	06/30/94	4			06/30/94	4	06/97	0	
1301-N Liquid Waste Disposal Facility	BHI	100	D	M	11	2,3	08/01/86	02/25/97	7							
1325-N Liquid Waste Disposal Facility	BHI	100	D	M	11	2,3	02/01/87	02/25/97	7							
1324-NA Percolation Pond	BHI	100	TD	D	8,13	2,3	08/01/86	06/30/94	3							
100-D Ponds	BHI	100	TD	D	8,13	2,3	08/01/86	06/30/94	4			03/01/93	0			
200 Areas																
221-T Containment Systems Test Facility	FDH	200W	T	D	13	8	11/01/85	10/01/96	3							
200 West Area Ash Pit Demolition Site	Other	200W	T	D	13,15	2	11/01/85	11/04/94	4			10/06/94	1			10/26/95
218-E-8 Borrow Pit Demolition Site	Other	200E	T	D	13,15	2	11/01/85	11/04/94	4			10/21/94	1			10/26/95
242-A Evaporator	FDH	200E	TS	M	3,4	1	09/01/87	10/01/96	7	07/97	1					
Grout Treatment Facility	FDH	200E	TSD	M	3,4,7,11	12	09/01/87	10/01/96	5	07/24/92	2					
T Plant Complex	FDH	200W	TS	M	1,2,3,4,10,13	1	12/01/87	12/23/98	7	12/19/95	0					
241-Z Treatment and Storage Tanks	FDH	200W	TS	M	3,4	7	12/01/87	04/14/97	5			12/31/96	0			
B Plant Complex	FDH	200E	TS	M	1,3,4,10	7	12/01/87	10/01/96	5							
222-S Laboratory Complex	FDH	200W	TS	M	1,2,3,4	1	11/25/87	12/23/98	7	12/21/91	0					
204-AR Waste Unloading Station	FDH	200E	T	M	4	1	12/01/87	10/01/96	4							
PUREX Plant	FDH	200E	TS	M	3,4,10	7	12/01/87	10/01/96	8							
Hanford Waste Vitrification Plant	FDH	200E	TS	M	1,3,4,12,13	13	05/01/88	10/01/96	5	10/01/91	2					
200 Area Effluent Treatment Facility	FDH	200E	TS	M	1,3,4	1	06/26/91	05/11/98	3	07/97	0*					
Waste Receiving and Processing Facility	FDH	200W	TS	M	1,2	1	01/25/95	05/22/98	2	05/22/98	1					

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

Unit	Co-op ¹	Area ²	Unit type T=treatment S=storage D=disposal	Waste type M=mixed D=dangerous	Unit classification ³	Document type ⁴	Part A			Part B		Closure plan		Postclosure		Date closed
							Initial	Latest	Rev.	Latest	Rev.	Date	Rev.	Date	Rev.	
Plutonium Finishing Plant Treatment Unit	FDH	200W	T	M	2	6	12/23/98	12/23/98	0							
2727-S Storage Facility	Other	200W	S	D	1,15	2	11/01/85	11/16/87	2			10/07/92	3A			06/27/95
Double-Shell Tank System	FDH	200EW	TS	M	3,4	1	09/01/87	10/01/96	8	06/28/91	0					
Hexone Storage and Treatment Facility	BHI	200W	TS	M	1,3,4	2	12/01/87	06/30/94	3			11/24/92	0			
2727-WA SRE Sodium Storage Building	FDH	200W	S	M	1	8	12/01/87	10/01/96	1							
PUREX Storage Tunnels	FDH	200E	S	M	12	1	12/01/87	10/01/96	5	04/14/97	4					
224-T Transuranic Waste Storage and Assay Facility	FDH	200W	S	M	1	2	12/01/87	10/01/96	6	06/30/92	0					
Central Waste Complex	FDH	200W	TS	M	1,2	1	05/01/88	05/22/98	5	05/22/98	1					
Single-Shell Tank System	FDH	200EW	TS	M	3,4,5	11	02/01/88	10/01/96	4			09/30/89	Draft			
207-A South Retention Basin	FDH	200E	S	M	6,	6	02/26/90	10/01/96	2							
Liquid Effluent Retention Facility	FDH	200E	TS	M	6,7	1	02/26/90	05/22/98	6	07/97	0*					
241-CX Tank System	BHI	200E	S	M	3	6	07/10/90	06/30/94	3							
Waste Encapsulation and Storage Facility	FDH	200E	S	M	12	6	12/19/97	12/19/97	0							
Low-Level Burial Grounds	FDH	200EW	SD	M	1,11	1	11/01/85	12/23/98	11	07/97	1					
216-S-10 Pond and Ditch	BHI	200W	D	M	8	2,3	02/01/87	06/30/94	3				0			
2101-M Pond	Other	200E	D	D	8,15	2	08/01/86	11/16/87	2			07/01/94	2A			10/26/95
216-A-29 Ditch	BHI	200E	TD	M	8,13	2,3	08/01/86	06/30/94	3				0			
216-B-3 Main Pond	BHI	200E	TD	M	7,8	2,3	08/01/86	06/30/94	5							
216-B-63 Trench	FDH	200E	TD	M	7,8	2,3	08/01/86	10/01/96	3				0			
216-A-10 Crib	BHI	200E	D	M	11	2,3	08/01/87	06/30/94	3							
216-U-12 Crib	BHI	200W	D	M	11	2,3	08/01/87	06/30/94	3							
216-A-36B Crib	BHI	200E	D	M	11	2,3	02/01/88	06/30/94	1				0			
216-A-37-1 Crib	BHI	200E	D	M	11	2,3	02/26/90	06/30/94	2							
216-B-3 Expansion Ponds	Other	200E	TD	M	7,8,15	2	12/16/93	12/16/93	0			10/31/94	2			06/27/95

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

Unit	Co-op ¹	Area ²	Unit type T=treatment S=storage D=disposal	Waste type M=mixed D=dangerous	Unit classification ³	Document type ⁴	Part A			Part B		Closure plan		Postclosure		Date closed
							Initial	Latest	Rev.	Latest	Rev.	Date	Rev.	Date	Rev.	
300 Area																
3718-F Alkali Metal Treatment and Storage Area	FDH	300	TS	M	1,4,13	2	11/01/85	10/01/96	4			11/20/95	2			08/04/98
324 Pilot Plant	PNNL	300	T	M	4,16	8	11/01/85	05/19/88	3							06/09/97
304 Concretion Facility	Other	300	TS	M	1,2,15	2	08/01/86	06/21/90	4			11/30/93	2			11/30/95
300 Area Solvent Evaporator	Other	300	TS	M	1,4,15	2	11/01/85	03/27/90	4			09/24/92	3B			06/27/95
300 Area Waste Acid Treatment System	FDH	300	TS	M	3,4,13	2	09/01/87	10/01/96	5			03/96	1			
303-M Oxide Facility	FDH	300	T	M	9	2	05/01/88	10/01/96	1							
325 Hazardous Waste Treatment Units	PNNL	300	TS	M	1,2,3,4	1	05/19/88	06/30/97	4	06/30/97	1					
Biological Treatment Test Facilities	PNNL	300	T	M	13,16	8	05/19/88	05/19/88	0							12/10/96
Physical & Chemical Treatment Test Facilities	PNNL	300	TS	M	1,13,16	8	05/19/88	06/14/91	1							05/13/96
Thermal Treatment Test Facilities	PNNL	300	T	M	13,16	8	05/19/88	05/19/88	0							05/13/96
311 Tanks (incorporated into 300 Area Waste Acid Treatment System, Rev. 3)	FDH	300														
303-K Storage Unit	FDH	300	S	M	1	2	08/01/87	10/01/96	5			12/17/93	2			
305-B Storage Facility	PNNL	300	S	M	1	1	05/19/88	12/20/90	1	04/03/92	2					
332 Storage Facility	PNNL	300	S	M	1,16	8	05/19/88	05/19/88	0							04/21/97
300 Area Process Trenches	BHI	300	D	M	8	4	11/01/85	05/25/95	4			05/25/95	4			
400 Area																
437-MASF	FDH	400	T	M	4	8	11/01/85	10/01/96	3							
4843 Alkali Metal Storage Facility	FDH	400	S	M	1,15	2	09/01/87	10/01/96	3			09/95	1			04/14/97
Sodium Storage Facility and Sodium Reaction Facility	FDH	400	TS	M	3,4	9	05/01/95	10/01/96	1							
600 Area																
Hanford Patrol Academy Demolition Sites	Other	600	T	D	13,15	2	11/01/85	12/15/94	4			12/15/94	1			10/26/95

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

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

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

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

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

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

Please print or type in the unshaded areas only
(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)

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

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

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

III. PROCESSES - CODES AND CAPACITIES

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

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

1. AMOUNT - Enter the amount.

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

PROCESS	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:			Treatment:		
CONTAINER (barrel, drum, etc.)	S01	GALLONS OR LITERS	TANK	T01	GALLONS PER DAY OR LITERS PER DAY
TANK	S02	GALLONS OR LITERS	SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS	INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS	OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided: Section III-C.)	T04	GALLONS PER DAY OR LITERS PER DAY
Disposal:					
INJECTION WELL	D80	GALLONS OR LITERS			
LANDFILL	D81	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER			
LAND APPLICATION	D82	ACRES OR HECTARES			
OCEAN DISPOSAL	D83	GALLONS PER DAY OR LITERS PER DAY			
SURFACE IMPOUNDMENT	D84	GALLONS OR LITERS			

UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G	LITERS PER DAY	V	ACRE-FEET	A
LITERS	L	TONS PER HOUR	D	HECTARE-METER	F
CUBIC YARDS	Y	METRIC TONS PER HOUR	W	ACRES	B
CUBIC METERS	C	GALLONS PER HOUR	E	HECATRES	C
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	N U M B E R	A. PRO-CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY				N U M B E R	A. PRO-CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY				
			1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY				1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY		
X-1	S	02	600	G		5	S06	35,170	C				
X-2	T	03	20	E		6							
1		S02	292,990	L		7							
		T01	204,412	V		8							
3		T04	150	S		9							
4		S01	946,352	L		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

T04

The T Plant Complex (T Plant) was constructed in 1943 and began decontamination operations in 1957.

Within T Plant, dangerous and/or mixed waste decontamination and treatment activities occur in the 2706-T building, 221-T canyon, and in other support facilities and units. Dangerous and/or mixed waste decontamination and treatment methods could incorporate a variety of technologies to remove mixed waste contamination. The technologies include, but are not limited to, immersion treatment; spray batch treatment; and steam, water, ice, carbon dioxide, chemical, or abrasive blasting. Various types of equipment (e.g., tools, railroad equipment, buses, trucks, automobiles, cranes, earth moving equipment, and other large and small pieces of process equipment) are decontaminated in 2706-T, 221-T, and other support structures with T Plant as needed. Liquid mixed waste generated from the decontamination processes is collected and transferred to the 2706-T tank system or transferred to the 221-T tank system. From these tank systems, waste is transferred to a treatment, storage, and/or disposal (TSD) unit capable of accepting this waste.

(Continued on next page)

IV. DESCRIPTION OF DANGEROUS WASTES

A. DANGEROUS WASTE NUMBER - Enter the four digit number from Chapter 173-303 WAC for each listed dangerous waste you will handle. If you handle dangerous wastes which are not listed in Chapter 173-303 WAC, enter the four digit number(s) that describes the characteristics and/or the toxic contaminants of those dangerous wastes.

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

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

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

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

D. PROCESSES

1. PROCESS CODES:

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

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

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

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

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

1. Select one of the Dangerous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste

2. In column A of the next line enter the other Dangerous Waste Number that can be used to describe the waste. In column D(2) on that line enter "Included with above" and make no other entries on that line.

3. Repeat step 2 for each other Dangerous Waste Number that can be used to describe the dangerous waste.

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

LINE NO	A. DANGEROUS WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
	1. PROCESS CODES (enter)		2. PROCESS DESCRIPTION (if a code is not entered in D(1))					
	K	0	5	4	900	P	T 0 3	D 8 0
X-2	D	0	0	2	400	P	T 0 3	D 8 0
X-3	D	0	0	1	100	P	T 0 3	D 8 0
X-4	D	0	0	2			T 0 3	D 8 0

included with above

FORM 3 DANGEROUS WASTE PERMIT APPLICATION
U.S. ENVIRONMENTAL PROTECTION AGENCY/STATE IDENTIFICATION NUMBER 7890008967

Section III.C., Space for Additional Process Codes or for Describing Other Process. (continued)

TO4 (continued)

In some cases, other types of treatment could be required to make the dangerous and/or mixed waste more amenable for storage and/or disposal. Other types of treatments include those identified in Washington Administrative Code 173-303-380. Treatment of dry and liquid dangerous and/or mixed waste in various sized containers, including railroad cars, could take place in the 221-T canyon, 221-T railroad tunnel, 2706-T building, 214-T storage building, and in other support structures and storage units located within T Plant's TSD unit boundary. Treatment associated with dry and liquid dangerous and/or mixed waste could include, but is not limited to sorting, segregation, repackaging, neutralization, absorption, and compaction. Container treatment capability at T Plant is required to: (1) complete laboratory analysis and characterization of dangerous and/or mixed waste before transferring the waste to an approved onsite TSD unit or offsite facility; or (2) absorb, neutralize, immobilize, encapsulate, or otherwise stabilize the contents of some containers before transfer; and/or (3) sort and segregate mixed waste from low-level waste.

The maximum process design capacity for treatment is 150 metric tons (165 tons) per day.

S06

The designation S06 (containment building/storage) indicates solid mixed waste is stored in the 221-T canyon, 221-T railroad tunnel, and 2706-T. This waste is considered to be stored in a containment building subject to the requirements of 40 Code of Federal Regulations (CFR) 265, Subpart DD. The solid mixed waste consists of process equipment, jumpers, and various other items awaiting decontamination, treatment, or repackaging before final disposition.

The maximum process design capacity for miscellaneous storage is 35,170 cubic meters (46,000 cubic yards).

Continued from page 2.

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

I. D. NUMBER (entered from page 1)

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

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)			
1	D001	181,788,195	K	S02	T01	T04	Storage - Tank/Treatment - Tank-Other (Decontamination Activities)
2	through						
3	D011						
4	D018						
5	D019						
6	D022						
7	D028						
8	through						
9	D030						
10	D033						
	through						
12	D036						
13	D038						
14	through						
15	D041						
16	D043						
17	WT01						
18	WT02						
19	WP01						
20	WP02						
21	F001						
22	through						
23	F005						
24	F039						Included with above.
25							
26							

Continued from page 2.

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

I. D. NUMBER (entered from page 1)

W	A	7	B	9	0	0	0	0	8	9	6	7
---	---	---	---	---	---	---	---	---	---	---	---	---

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)			
1	D001	40,831,030	K	S01	T04		Storage - Container/Treatment - Other
2	through						
3	D043						
4	WT01						
5	WT02						
6	WP01						
7	through						
8	WP03						
9	W001						
10	WSC2						
	F001						
12	through						
13	F012						
14	F019						
15	through						
16	F023						
17	F026						
18	through						
19	F028						
20	F039						
21	U001						
22	through						
23	U012						
24							
25							
26							

Continued from page 2.

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

I. D. NUMBER (entered from page 1)

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

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)			
1	U014		K	S01	T04		Storage - Container/Treatment - Other (continued)
2	through						
3	U039						
4	U041						
5	through						
6	U053						
7	U055						
8	through						
9	U064						
10	U066						
	through						
12	U099						
13	U101						
14	through						
15	U103						
16	U105						
17	through						
18	U138						
19	U140						
20	through						
21	U174						
22	U176						
23	through						
24	U194						
25	U196		▼	▼	▼		▼
26							

Continued from page 2.

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

I. D. NUMBER (entered from page 1)

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

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)			
1	U200		K	S01	T04		Storage - Container/Treatment - Other (continued)
2	through						
3	U223						
4	U225						
5	through						
6	U228						
7	U230						
8	through						
9	U240						
10	U242						
	through						
12	U244						
13	U246						
14	through						
15	U249						
16	U271						
17	U277						
18	through						
19	U280						
20	U328						
21	U353						
22	U359						
23	U364						
24	through						
25	U367						
26	U372						

Continued from page 2.

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

I. D. NUMBER (entered from page 1)

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

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)			
1	U373		K	S01	T04		Storage - Container/Treatment - Other (continued)
2	U375						
3	through						
4	U379						
5	U381						
6	through						
7	U387						
8	U389						
9	through						
10	U396						
11	U400						
12	U404						
13	U407						
14	U409						
15	through						
16	U411						
17	P001						
18	through						
19	P018						
20	P020						
21	through						
22	P024						
23	P026						
24	through						
25	P031						
26	P033						

Continued from page 2.

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

I. D. NUMBER (entered from page 1)

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

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)			
1	P034		K	S01	T04		Storage - Container/Treatment - Other (continued)
2	P036						
3	through						
4	P051						
5	P054						
6	P056						
7	through						
8	P060						
9	P062						
10	through						
	P078						
12	P081						
13	P082						
14	P084						
15	P085						
16	P087						
17	through						
18	P089						
19	P092						
20	through						
21	P099						
22	P101						
23	through						
	P116						
25							
26							

Continued from page 2.

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

I. D. NUMBER (entered from page 1)

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

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	P118		K	S01	T04	Storage - Container/Treatment - Other (continued)
2	through					
3	P123					
4	P127					
5	P128					
6	P185					
7	P188					
8	through					
9	P192					
10	P194					
	P196					
12	through					
13	P199					
14	P201					
15	through					
16	P205					Included with above.
17	D001	4,535,924	K	S06		Containment Building/Storage
18	D011					
19	D018					
20	D019					
21	D028					
22	through					
23	D030					
24	D033					
25	through					
26	D036					

Continued from page 2.

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

I. D. NUMBER (entered from page 1)

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

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES			
				1. PROCESS CODES (enter)			
1	D038		K	S06			Containment Building/Storage (continued)
2	through						
3	D041						
4	D043						
5	WT01						
6	WT02						
7	WP01						
8	WP02						
9	F001						
10	through						
11	F012						
12	F019						
13	through						
14	F023						
15	F026						
16	through						
17	F028						
18	F039						
19	WSC2						Included with above.
20							
21							
22							
23							
24							
25							
26							

Continued from the front.

IV. DESCRIPTION OF DANGEROUS WASTE (continued)

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

V. FACILITY DRAWING Refer to attached drawing(s).
 All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

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

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

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

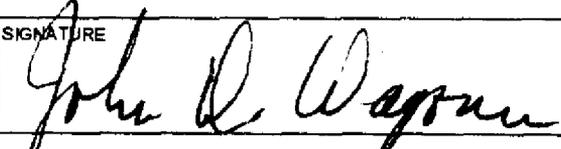
VIII. FACILITY OWNER

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

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

1. NAME OF FACILITY'S LEGAL OWNER			2. PHONE NO. (area code & no.)		
3. STREET OR P.O. BOX		4. CITY OR TOWN		5. ST.	6. ZIP CODE

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

NAME (print or type) John D. Wagoner, Manager U.S. Department of Energy Richland Operations Office	SIGNATURE 	DATE SIGNED 12/23/98
---	---	-------------------------

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

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

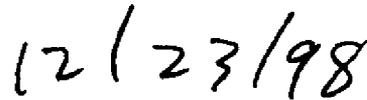
WA7890008967

X. OPERATOR CERTIFICATION

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



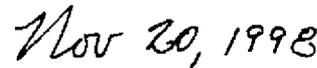
Owner/Operator
John D. Wagoner, Manager
U.S. Department of Energy
Richland Operations Office



Date



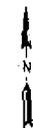
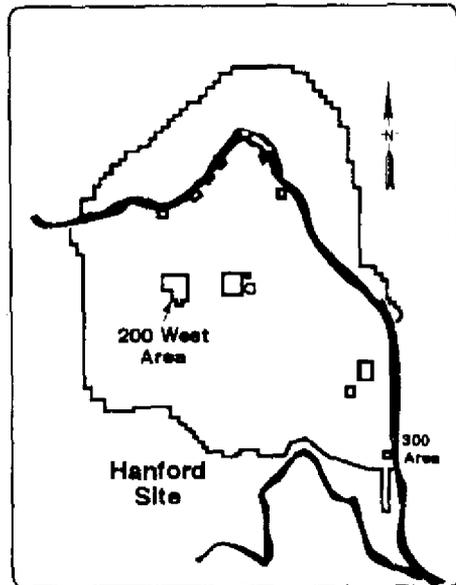
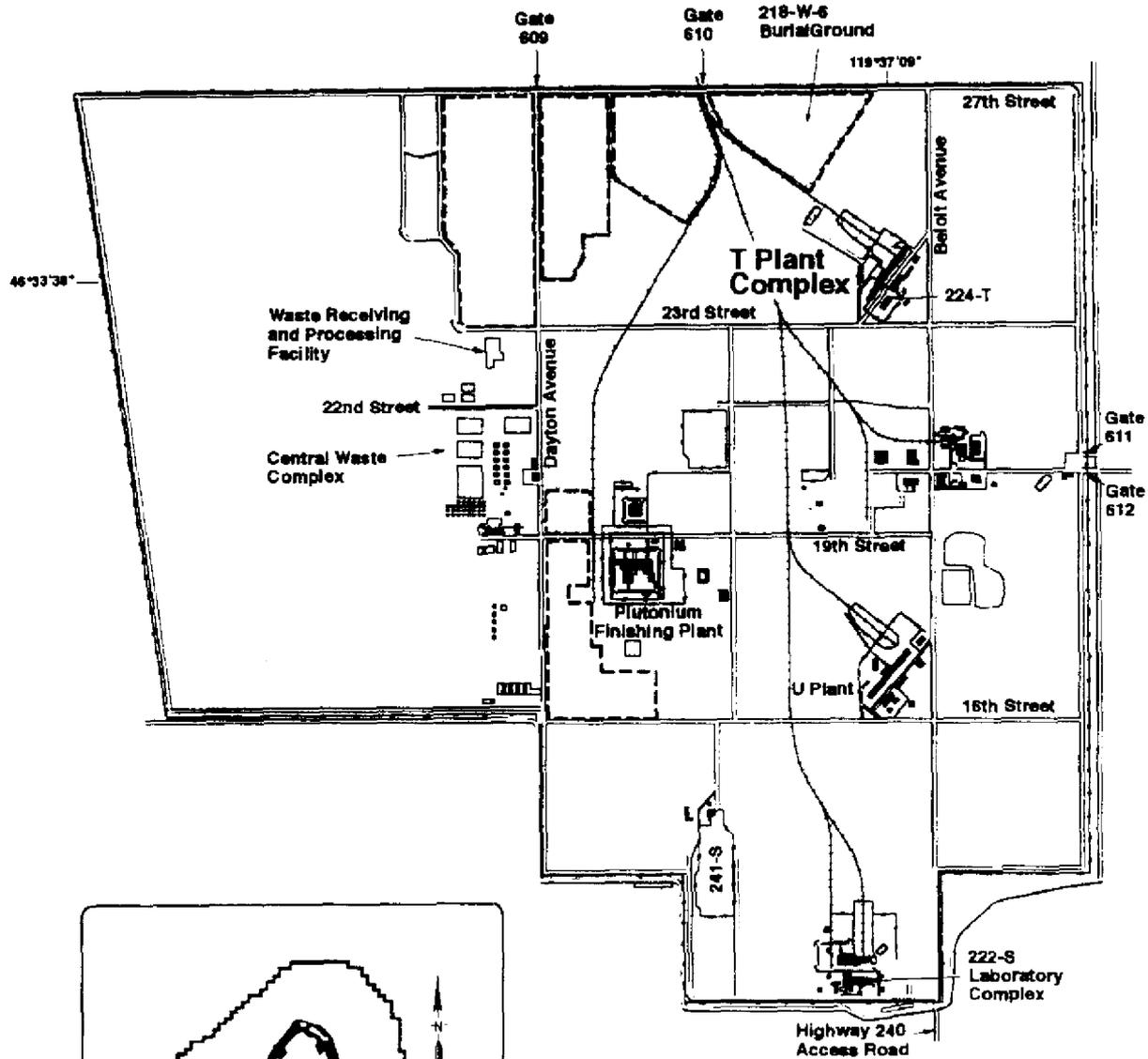
R. D. Hanson,
President and Chief Executive Officer
Fluor Daniel Hanford, Inc.



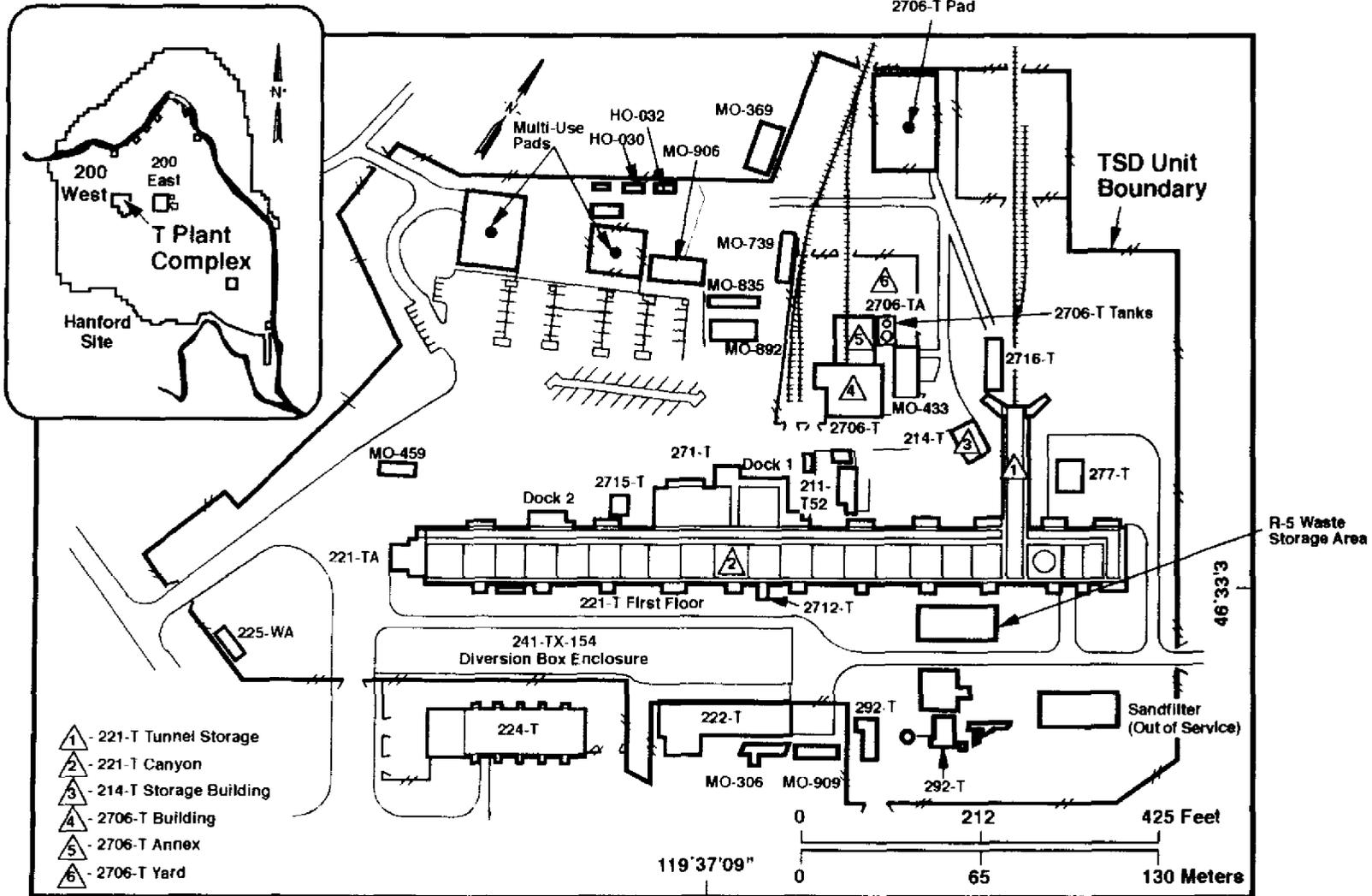
Date

WA7890008967

200 West Area Site Plan



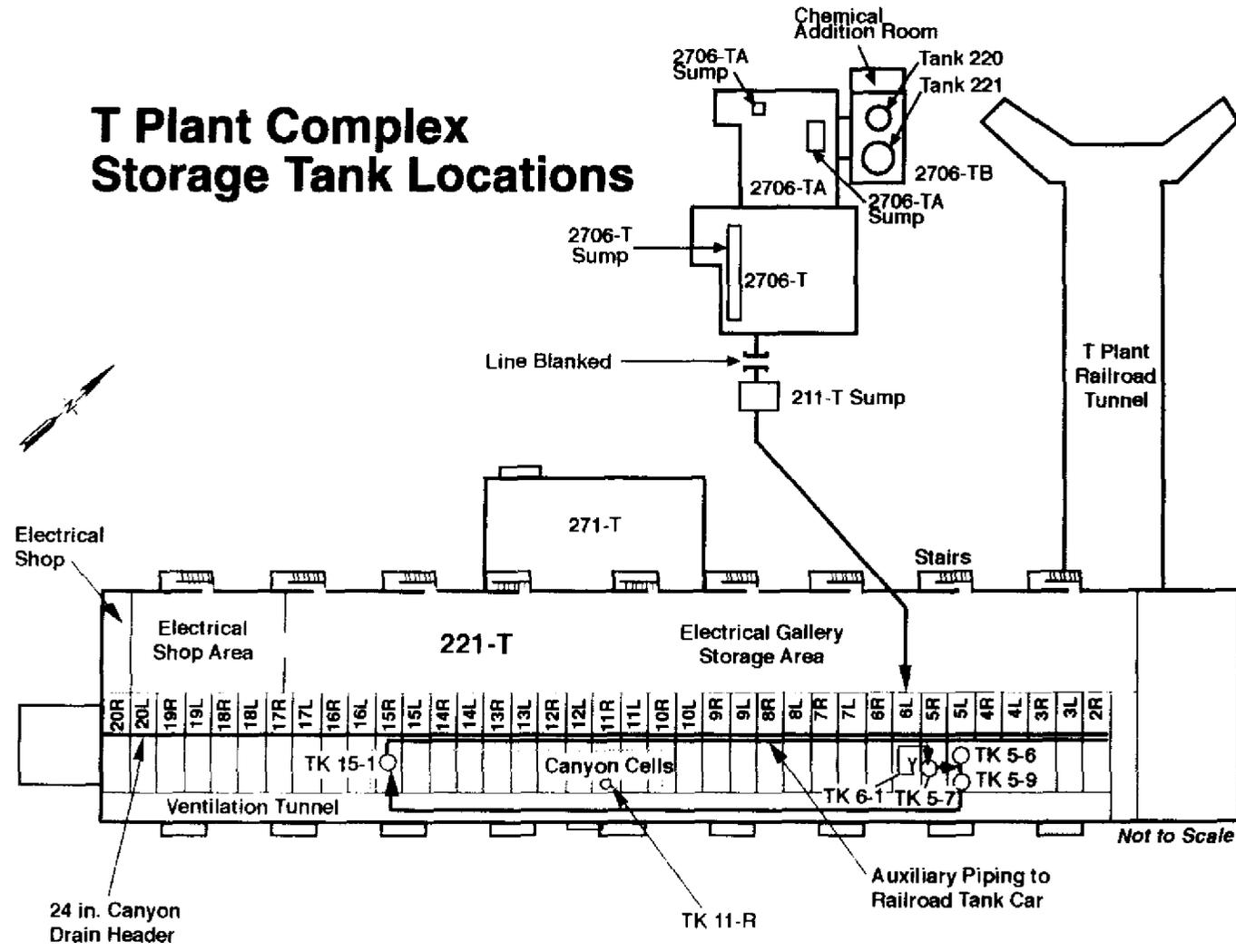
T Plant Complex Site Plan



H98030179.4R2

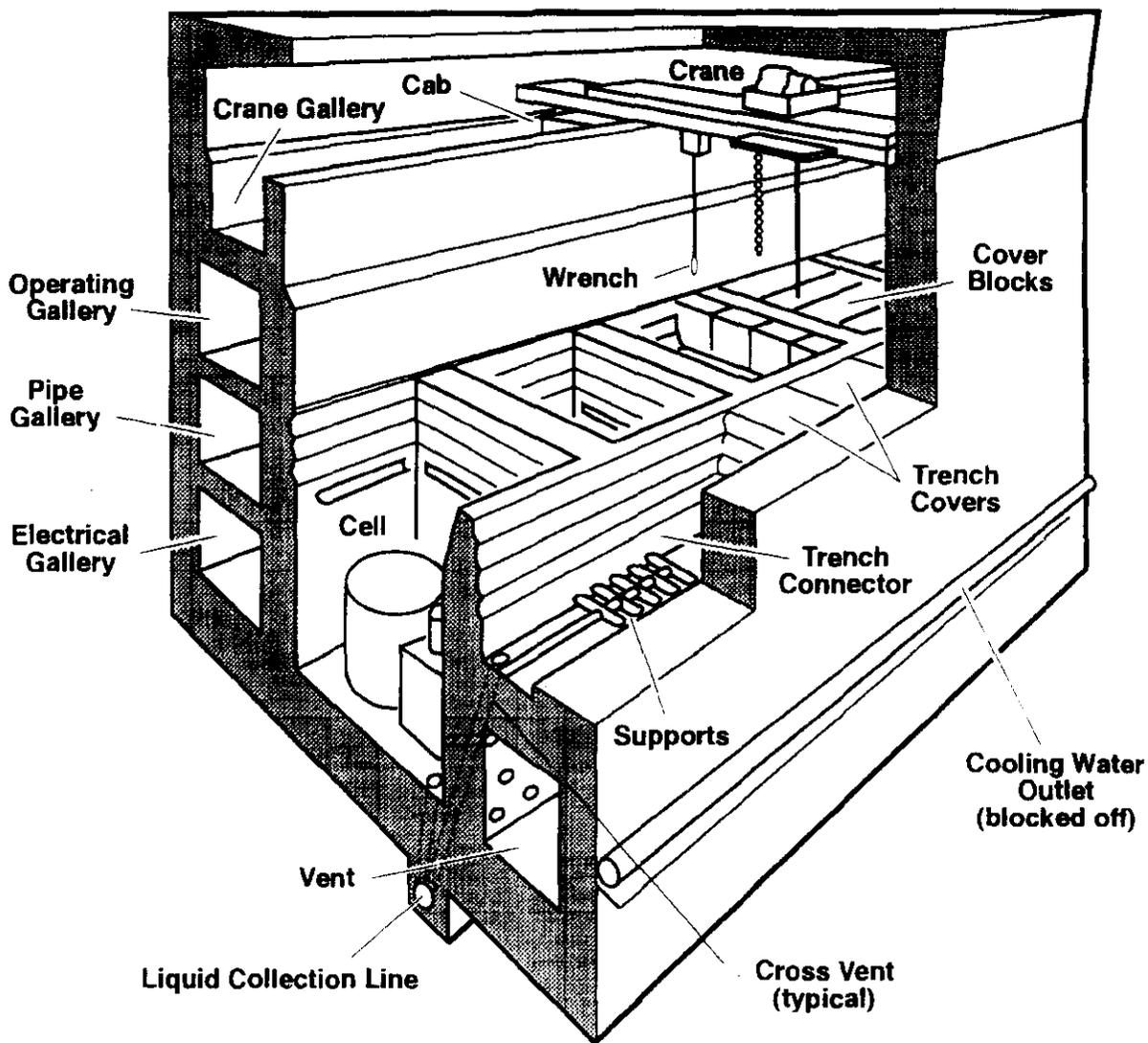
WA7890008967

T Plant Complex Storage Tank Locations



H98030179.2R3

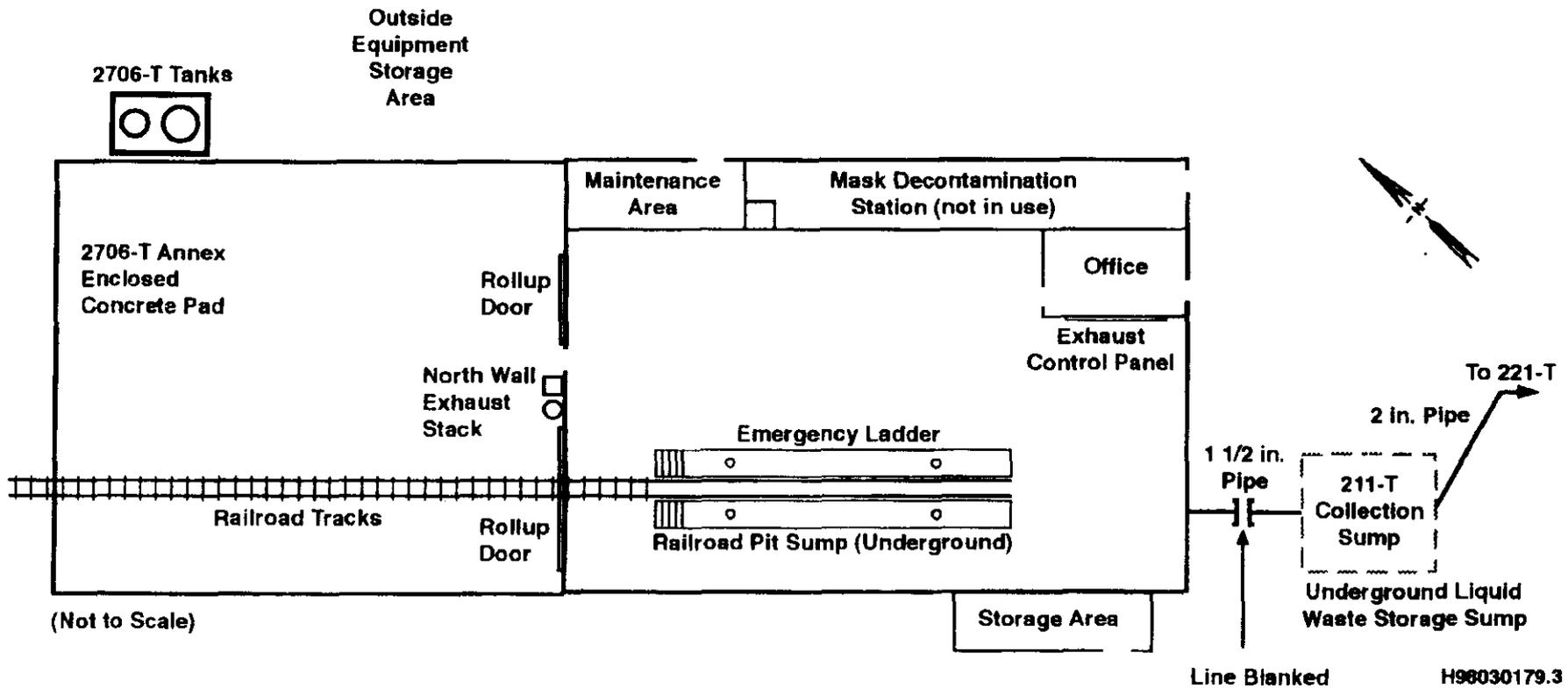
T PLANT COMPLEX - 221-T CUTAWAY



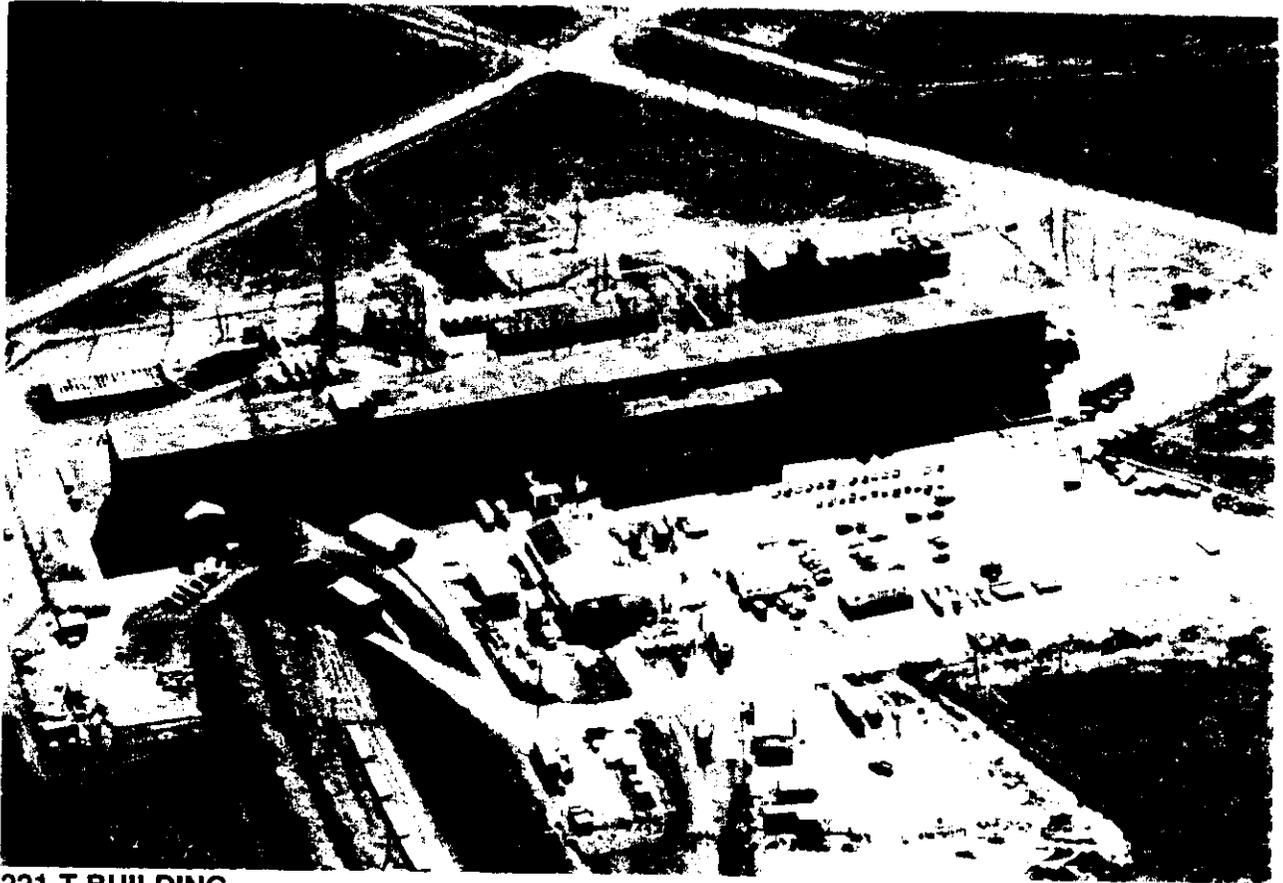
(Not to Scale)

H98030178.5

T Plant Complex - 2706-T Site Plan



T Plant Complex Aerial View

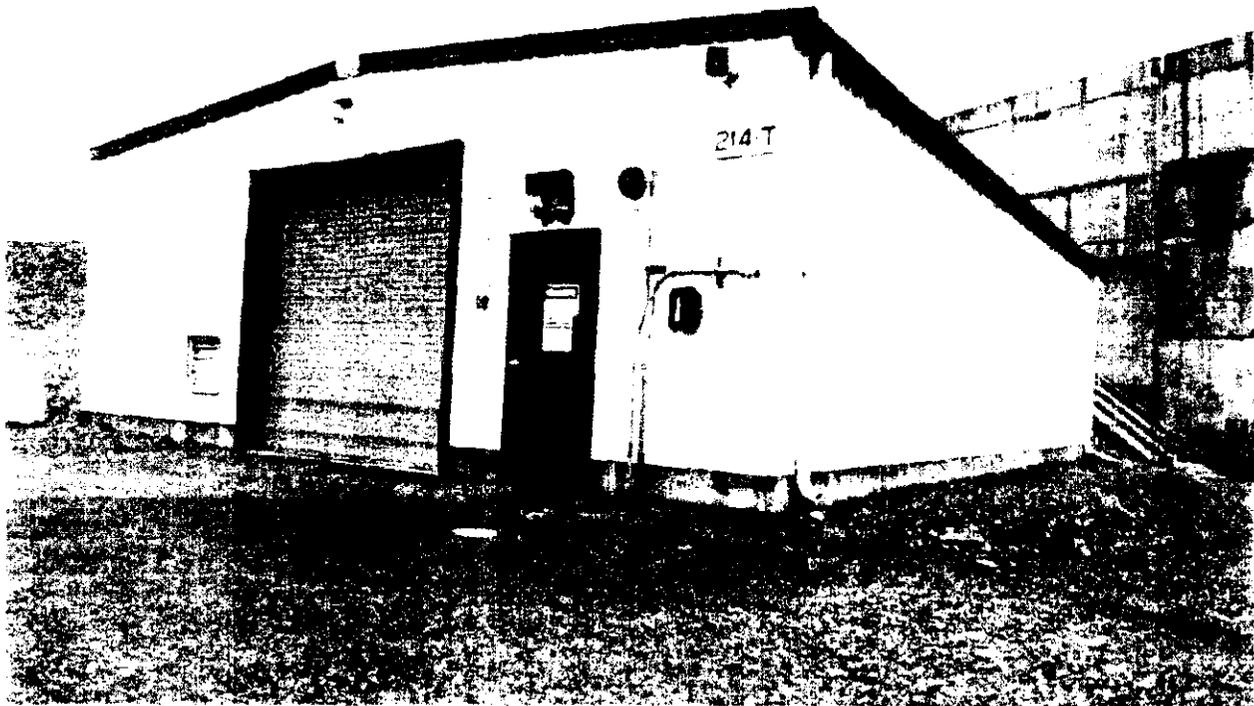


221-T BUILDING

46°30'38"
119°30'40"

98030102-11CN
(PHOTO TAKEN 1998)

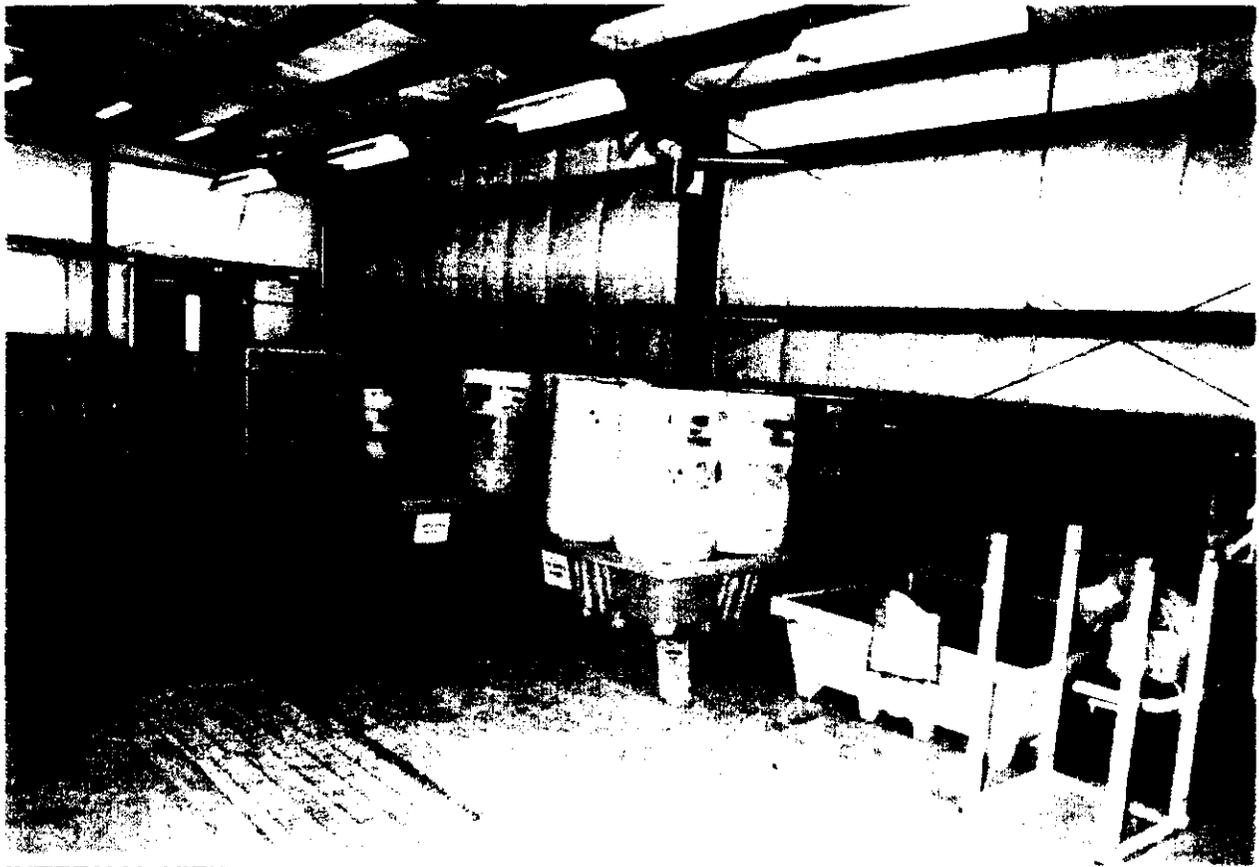
T Plant Complex 214-T Building



46°30'38"
119°30'40"

98030115-7CN
(PHOTO TAKEN 1998)

T Plant Complex 214-T Building

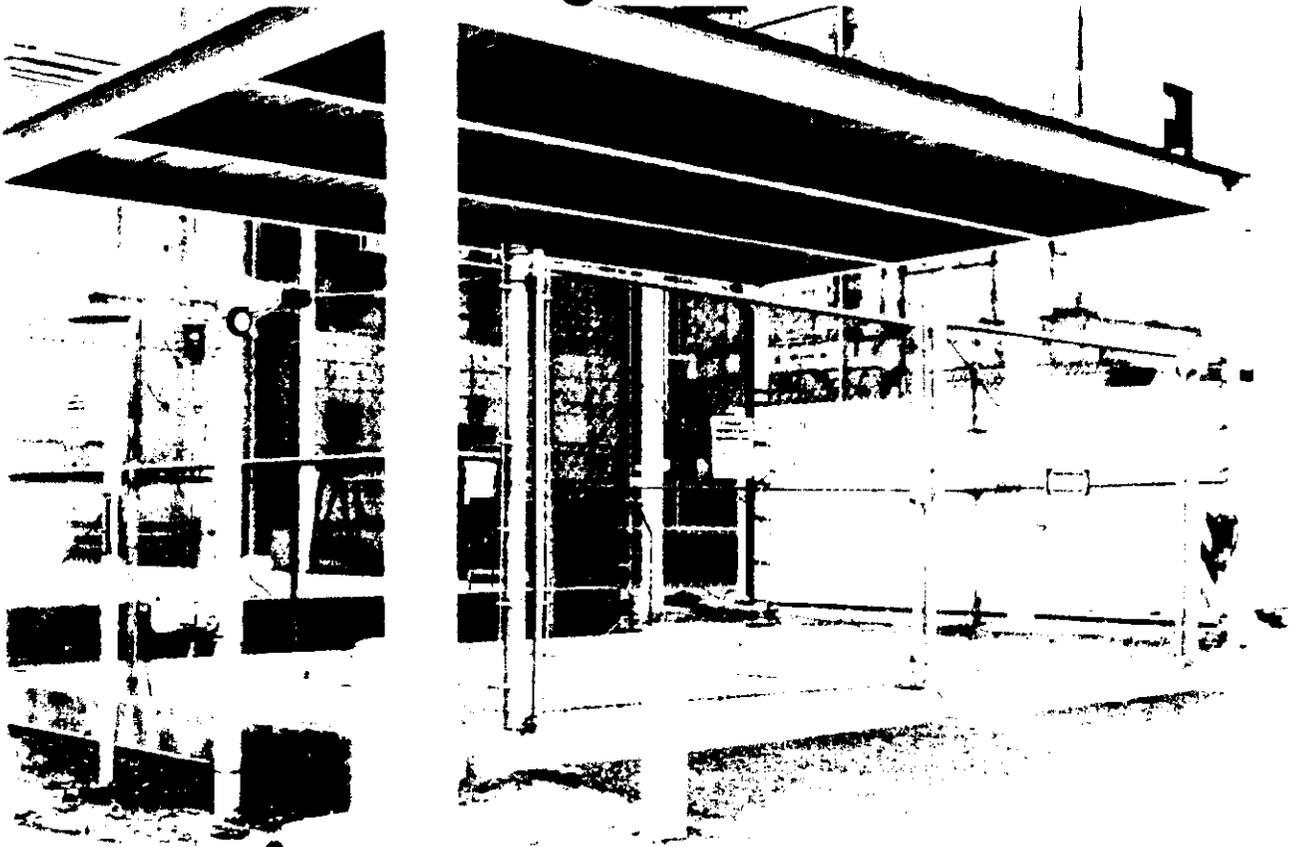


INTERNAL VIEW

46°30'38"
119°30'40"

98030115-5CN
(PHOTO TAKEN 1998)

T Plant Complex 211-T Waste Storage Area



46°30'38"
119°30'40"

98030115-20CN
(PHOTO TAKEN 1998)

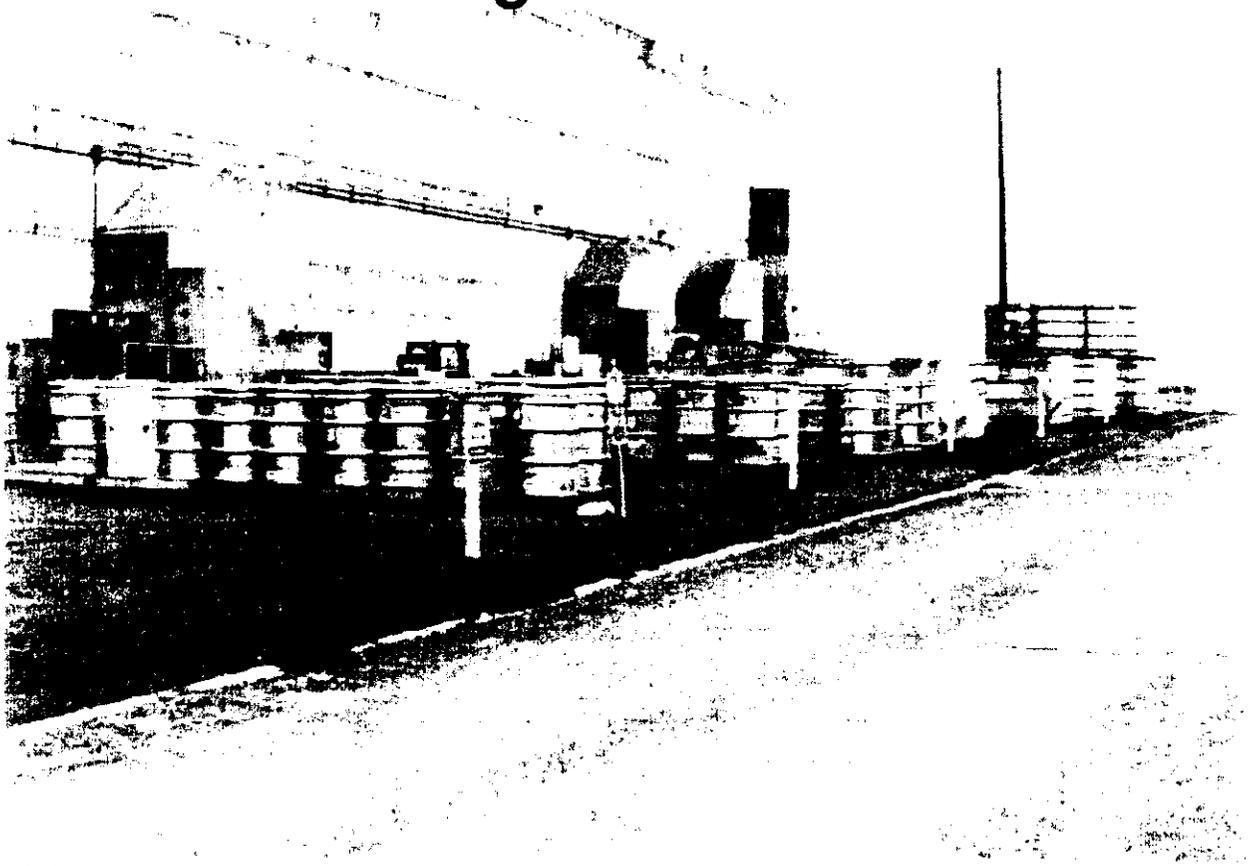
T Plant Complex 2706-T Treatment/Storage Pad



46°30'38"
119°30'40"

98030115-3CN
(PHOTO TAKEN 1998)

T Plant Complex R-5 Waste Storage Area



46°30'38"
119°30'40"

98030115-23CN
(PHOTO TAKEN 1998)

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

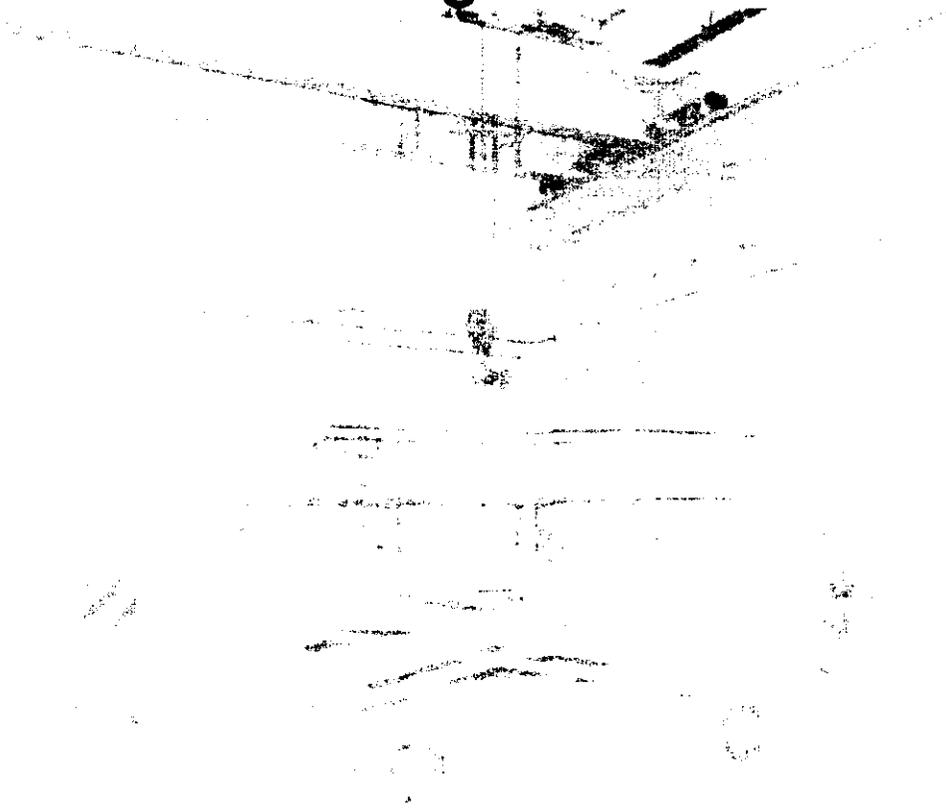


AERIAL VIEW

46°30'38"
119°30'40"

98030102-11CN
(PHOTO TAKEN 1998)

T Plant Complex 2706-T Building

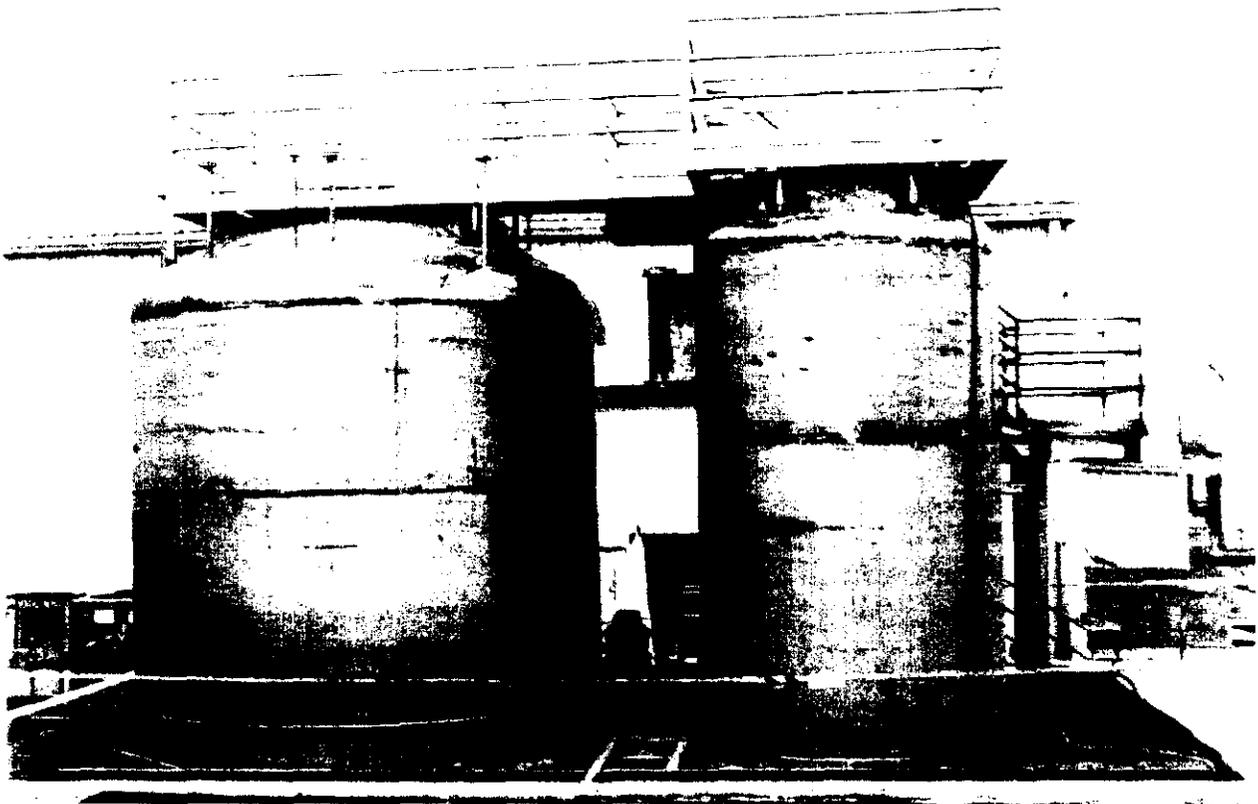


INTERIOR VIEW

46°30'38"
119°30'40"

93040127-3CN
(PHOTO TAKEN 1993)

T Plant Complex 2706-T Building



TANK 221

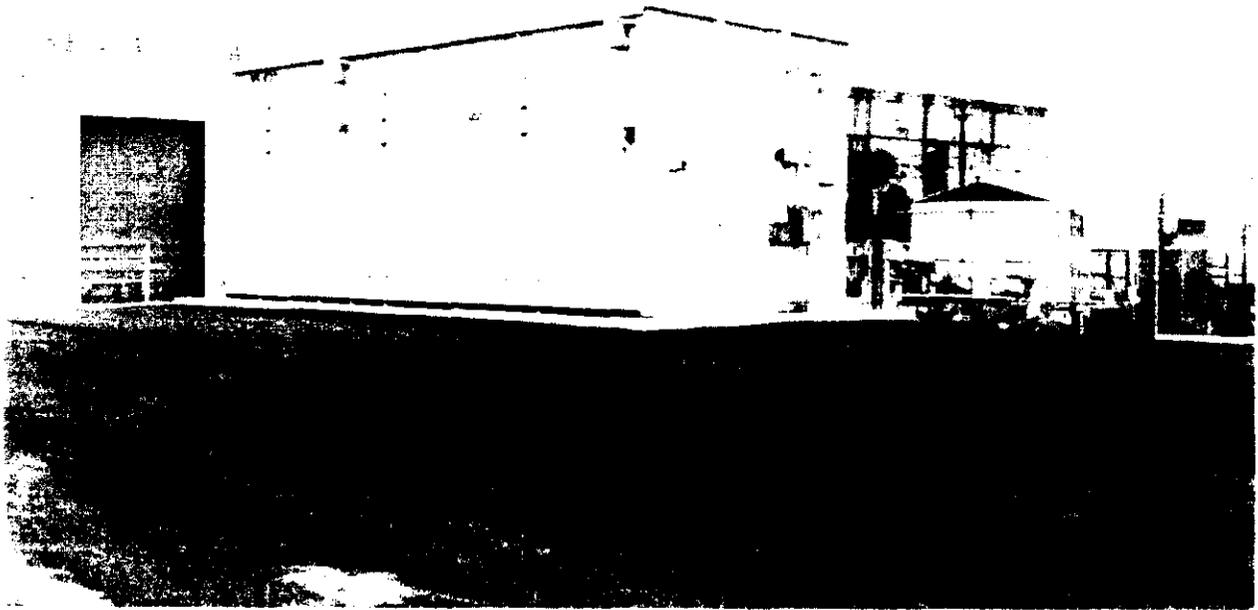
TANK 220

TREATMENT/STORAGE TANKS

46°30'38"
119°30'40"

98030115-9CN
(PHOTO TAKEN 1998)

T Plant Complex 2706-T Building

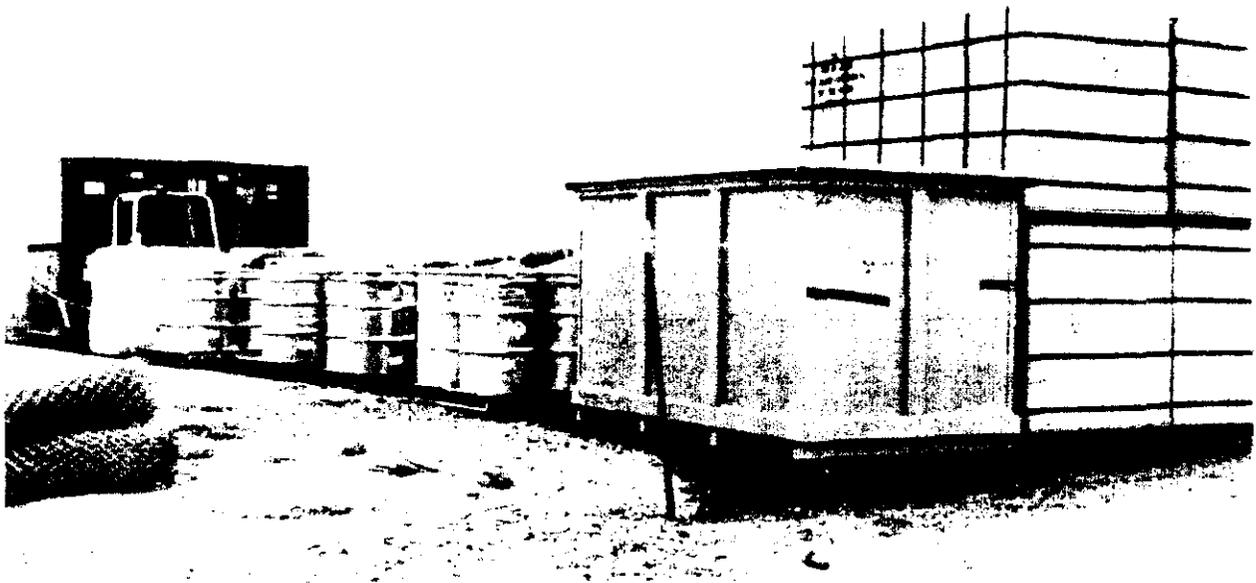


STORAGE MODULE

46°30'38"
119°30'40"

98030115-15CN
(PHOTO TAKEN 1998)

T Plant Complex Asphalt Pad Waste Storage Area



46°30'38"
119°30'40"

98030115-11CN
(PHOTO TAKEN 1998)

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

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

FOR OFFICIAL USE ONLY		
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)

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

<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 30px; text-align: center;">MO.</td> <td style="width: 30px; text-align: center;">DAY</td> <td style="width: 30px; text-align: center;">YR.</td> </tr> <tr> <td style="text-align: center;">03</td> <td style="text-align: center;">22</td> <td style="text-align: center;">43</td> </tr> </table>	MO.	DAY	YR.	03	22	43	* FOR EXISTING FACILITIES, PROVIDE THE DATE (mo., day, & yr.) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left) * The date construction of the Hanford Facility commenced.	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 30px; text-align: center;">MO.</td> <td style="width: 30px; text-align: center;">DAY</td> <td style="width: 30px; text-align: center;">YR.</td> </tr> <tr> <td style="height: 20px;"></td> <td style="height: 20px;"></td> <td style="height: 20px;"></td> </tr> </table> FOR NEW FACILITIES, PROVIDE THE DATE, (mo., day, & yr.) OPERATION BEGAN OR IS EXPECTED TO BEGIN	MO.	DAY	YR.			
MO.	DAY	YR.												
03	22	43												
MO.	DAY	YR.												

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

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

III. PROCESSES - CODES AND CAPACITIES

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

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

1. AMOUNT - Enter the amount.

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

PROCESS	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:			Treatment:		
CONTAINER (barrel, drum, etc.)	S01	GALLONS OR LITERS	TANK	T01	GALLONS PER DAY OR LITERS PER DAY
TANK	S02	GALLONS OR LITERS	SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS	INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR, GALLONS PER HOUR OR LITERS PER HOUR
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS	OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided: Section III-C.)	T04	GALLONS PER DAY OR LITERS PER DAY
Disposal:					
INJECTION WELL	D80	GALLONS OR LITERS			
LANDFILL	D81	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER			
LAND APPLICATION	D82	ACRES OR HECTARES			
OCEAN DISPOSAL	D83	GALLONS PER DAY OR LITERS PER DAY			
SURFACE IMPOUNDMENT	D84	GALLONS OR LITERS			

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

EXAMPLE FOR COMPLETING SECTION III (shown in line numbers X-1 and X-2 below): A facility has two storage tanks; one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

LINE NUMBER	A. PRO-CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY			FOR OFFICIAL USE ONLY	LINE NUMBER	A. PRO-CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY			FOR OFFICIAL USE ONLY
		1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)					1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)		
X-1	S 0 2	600	G								
X-2	T 0 3	20	E								
1	S02	37,200	L								
	T01	780	V								
3	S01	27,020	L								
4											

Continued from the front.

III. PROCESSES (continued)

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

The 222-S Laboratory Complex (222-S) is located in the 200 West Area of the Hanford Facility and began waste management operations in June of 1951. The 222-S consists of three waste management units, 219- Waste Handling Facility, 222-S Dangerous and Mixed Waste Storage Area, and Room 2-B.

Tank 103 periodically will be used for primary and backup storage and/or treatment (T01) before transfer to the Double-Shell Tank (DST) System as required for construction. When construction is completed and tanks 101, 102, and 104 are back in service, tank 103 will be drained and isolated. Tanks 101 and 104 are used for primary and backup storage of mixed waste.

IV. DESCRIPTION OF DANGEROUS WASTES

A. DANGEROUS WASTE NUMBER - Enter the four digit number from Chapter 173-303 WAC for each listed dangerous waste you will handle. If you handle dangerous wastes which are not listed in Chapter 173-303 WAC, enter the four digit number(s) that describes the characteristics and/or the toxic contaminants of those dangerous wastes.

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

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

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

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

D. PROCESSES

1. PROCESS CODES:

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

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

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

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

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

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

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

LINE NO	A. DANGEROUS WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES															
	1. PROCESS CODES (enter)										2. PROCESS DESCRIPTION (if a code is not entered in D(1))											
	K	0	5	4	900	P	T	0	3	D	8	0										
X-2	D	0	0	2	400	P	T	0	3	D	8	0										
X-3	D	0	0	1	100	P	T	0	3	D	8	0										
X-4	D	0	0	2			T	0	3	D	8	0	included with above									

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

I. D. NUMBER (entered from page 1)

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

DESCRIPTION OF DANGEROUS WASTES (continued)											
LINE	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES				2. PROCESS DESCRIPTION (if a code is not entered in D(1))			
				1. PROCESS CODES (enter)							
1	D001	283,955	K	S02	T01			Storage - Tank/Treatment - Tank			
2	through										
3	D011										
4	D018										
5	D019										
6	D022										
7	D028										
8	through										
9	D030										
10	D033										
11	through										
12	D036										
13	D038										
14	through										
15	D041										
16	D043										
17	WP01										
18	WP02										
19	WT01										
20	WT02										
21	F001										
22	through										
23	F005										
24	F039							Included with above.			
25											
26											

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

I. D. NUMBER (entered from page 1)

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

DESCRIPTION OF DANGEROUS WASTES (continued)											
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))			
1	D001	48,840	K	S01							Storage - Container
2	through										
3	D043										
4	WT01										
5	WT02										
6	WP01										
7	through										
8	WP03										
9	W001										
10	WSC2										
	F001										
12	through										
13	F012										
14	F019										
15	through										
16	F023										
17	F026										
18	through										
19	F028										
20	F039										
21	U001										
22	through										
23	U012										
24											
25											
26											

Continued from page 2.

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

I. D. NUMBER (entered from page 1)

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

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)		
1	U014		K	S01		Storage - Container (continued)
2	through					
3	U039					
4	U041					
5	through					
6	U053					
7	U055					
8	through					
9	U064					
10	U066					
	through					
12	U099					
13	U101					
14	through					
15	U103					
16	U105					
17	through					
18	U138					
19	U140					
20	through					
21	U174					
22	U176					
23	through					
	U194					
25	U196					
26						

Continued from page 2.

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

I. D. NUMBER (entered from page 1)

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

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	U200		K	S01			Storage - Container (continued)
2	through						
3	U223						
4	U225						
5	through						
6	U228						
7	U230						
8	through						
9	U240						
10	U242						
11	through						
12	U244						
13	U246						
14	through						
15	U249						
16	U271						
17	U277						
18	through						
19	U280						
20	U328						
21	U353						
22	U359						
23	U364						
24	through						
25	U367						
26	U372						

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

I. D. NUMBER (entered from page 1)

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

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	U373		K	S01			Storage - Container (continued)
2	U375						
3	through						
4	U379						
5	U381						
6	through						
7	U387						
8	U389						
9	through						
10	U396						
	U400						
12	U404						
13	U407						
14	U409						
15	through						
16	U411						
17	P001						
18	through						
19	P018						
20	P020						
21	through						
22	P024						
23	P026						
24	through						
25	P031						
26	P033						

Continued from page 2.

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

I. D. NUMBER (entered from page 1)

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

DESCRIPTION OF DANGEROUS WASTES (continued)									
L I N E	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEA- SURE (enter code)		D. PROCESSES				
					1. PROCESS CODES (enter)			2. PROCESS DESCRIPTION (if a code is not entered in D(1))	
1	P034		K		S01				Storage - Container (continued)
2	P036								
3	through								
4	P051								
5	P054								
6	P056								
7	through								
8	P060								
9	P062								
10	through								
	P078								
12	P081								
13	P082								
14	P084								
15	P085								
16	P087								
17	through								
18	P089								
19	P092								
20	through								
21	P099								
22	P101								
23	through								
24	P116								
25									
26									

Continued from page 2.

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

I. D. NUMBER (entered from page 1)

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

DESCRIPTION OF DANGEROUS WASTES (continued)

L I N E	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEA- SURE (enter code)	D. PROCESSES			
				1. PROCESS CODES (enter)			2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	P118		K	S01			Storage - Container (continued)
2	through						
3	P123						
4	P127						
5	P128						
6	P185						
7	P188						
8	through						
9	P192						
10	P194						
	P196						
12	through						
13	P199						
14	P201						
15	through						
16	P205						Included with above.
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							

Continued from the front

IV. DESCRIPTION OF DANGEROUS WASTE (continued)

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

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

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

VI. PHOTOGRAPHS Refer to attached photograph(s).

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

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

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

VIII. FACILITY OWNER

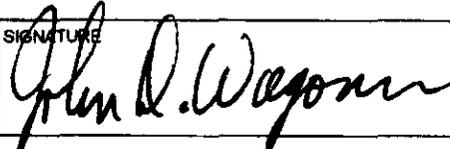
A. If the facility owner is also the facility operator as listed in Section VII on Form 1, "General Information," place an "X" in the box to the left and skip to Section XI below.

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

1. NAME OF FACILITY'S LEGAL OWNER				2. PHONE NO. (area code & no.)			
3. STREET OR P.O. BOX			4. CITY OR TOWN		5. ST.	6. ZIP CODE	

IX. OWNER CERTIFICATION

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

NAME (print or type) John D. Wagoner, Manager U.S. Department of Energy Richland Operations Office	SIGNATURE 	DATE SIGNED 12/23/98
---	---	-------------------------

X. OPERATOR CERTIFICATION

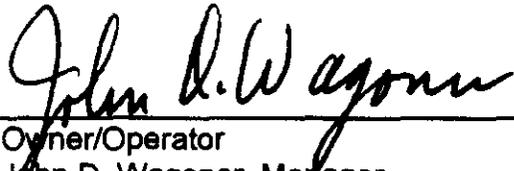
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true,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

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

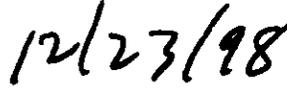
WA7890008967

X. OPERATOR CERTIFICATION

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



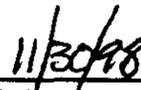
Owner/Operator
John D. Wagoner, Manager
U.S. Department of Energy
Richland Operations Office



Date

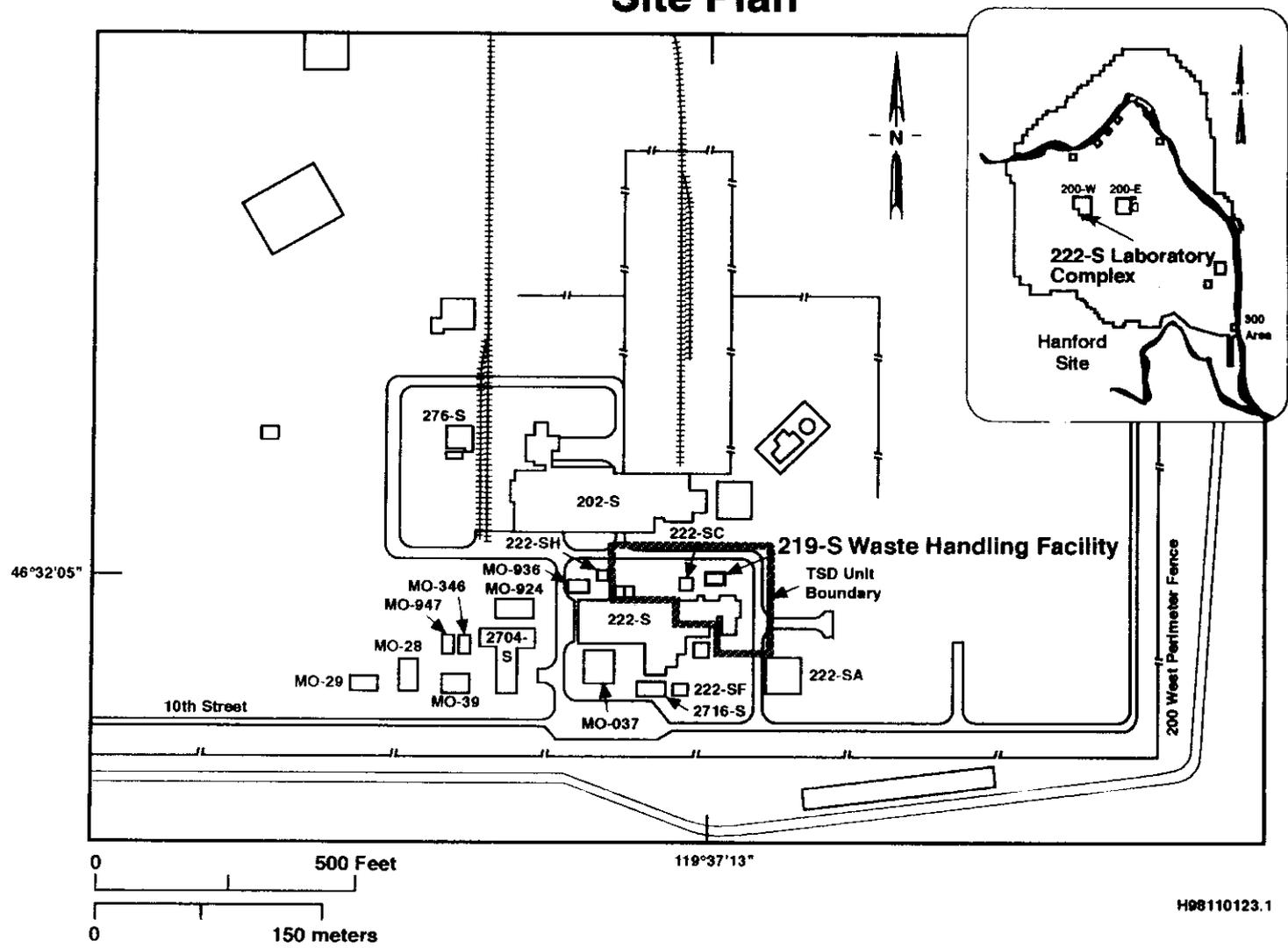


R. D. Hanson,
President and Chief Executive Officer
Fluor Daniel Hanford, Inc.

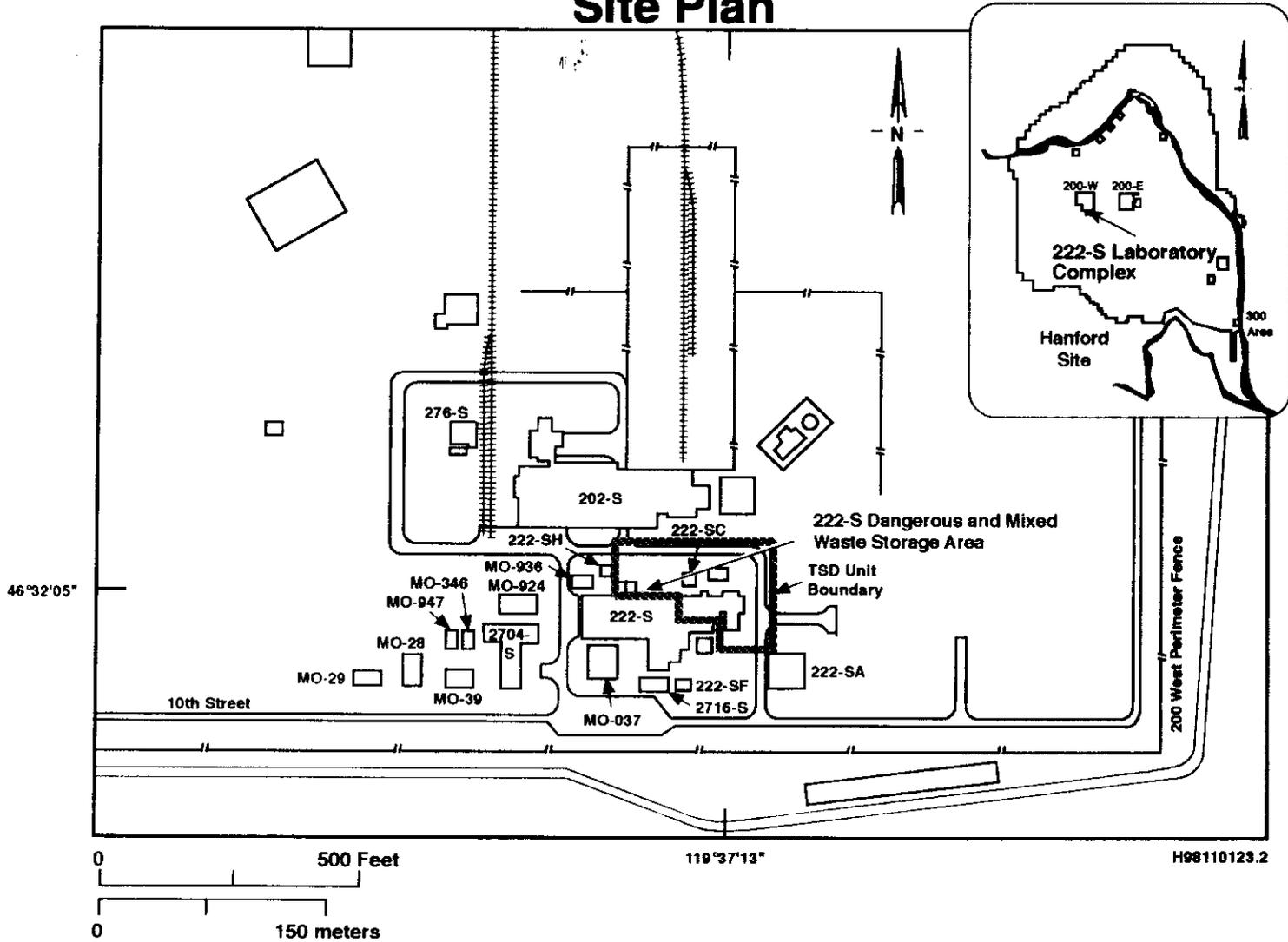


Date

222-S Laboratory Complex 219-S Waste Handling Facility Tanks 101, 102, 103, and 104 Site Plan

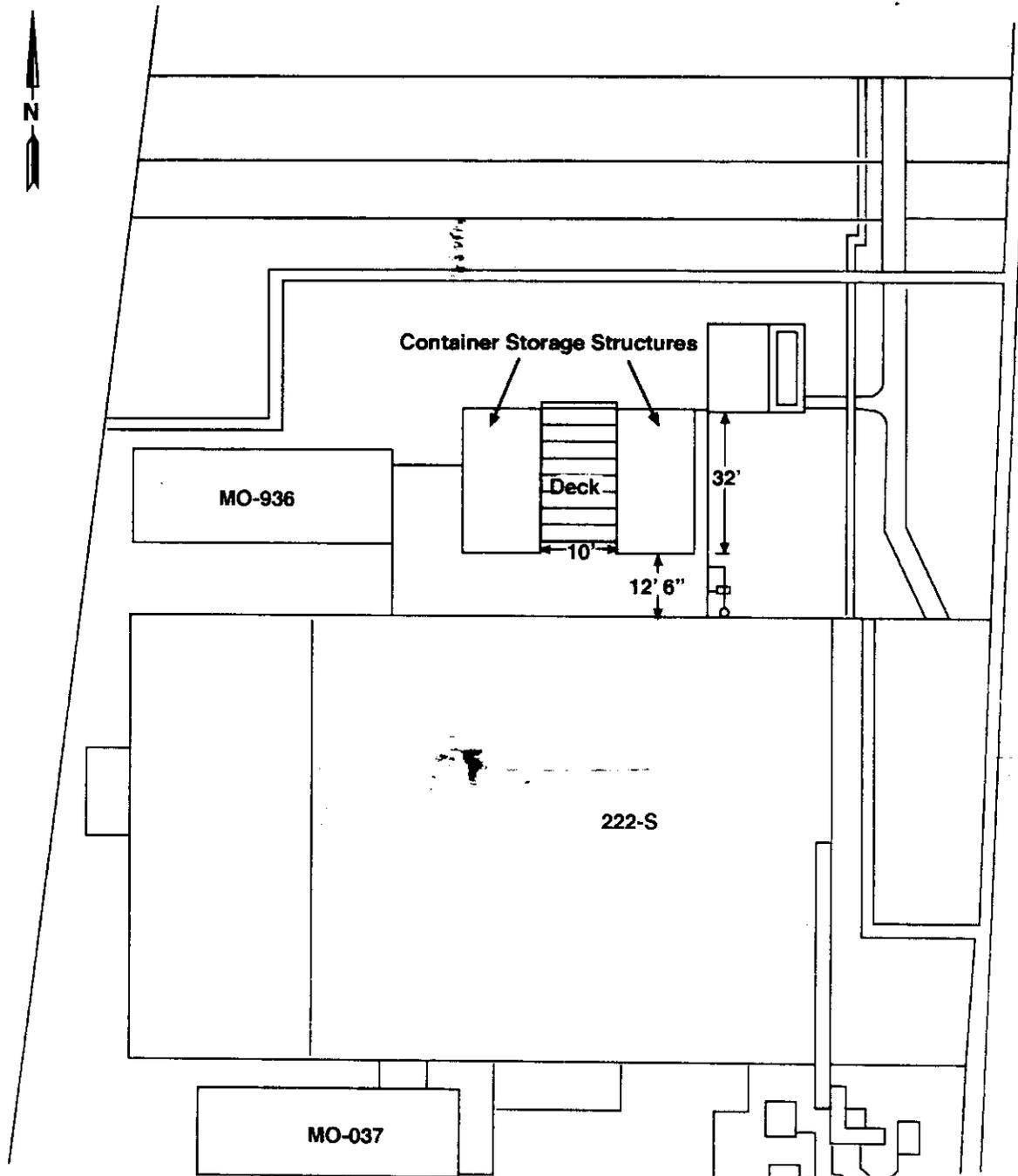


222-S Laboratory Complex 222-S Dangerous and Mixed Waste Storage Area Site Plan

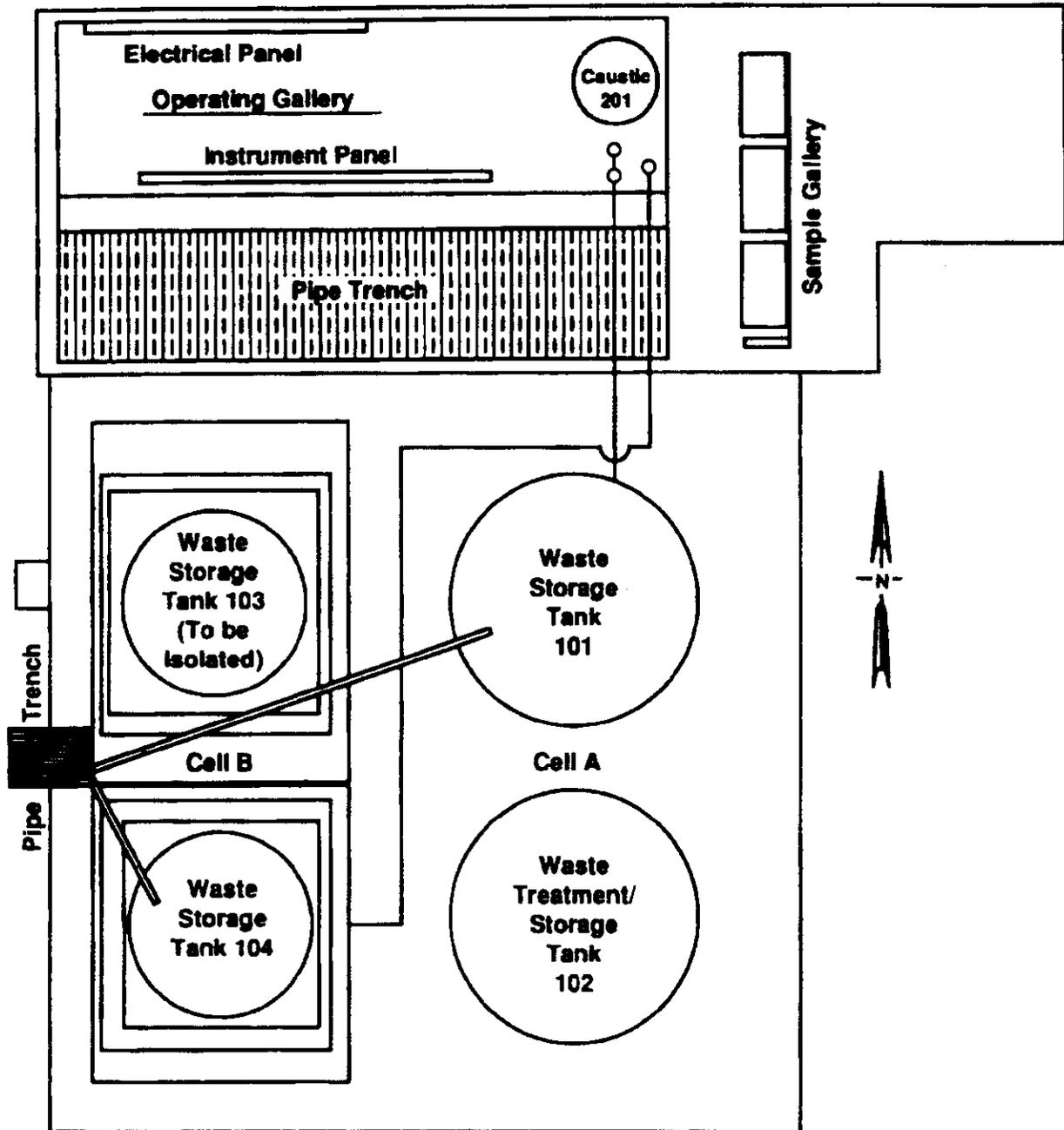


W/A7890008967

Container Storage Structures

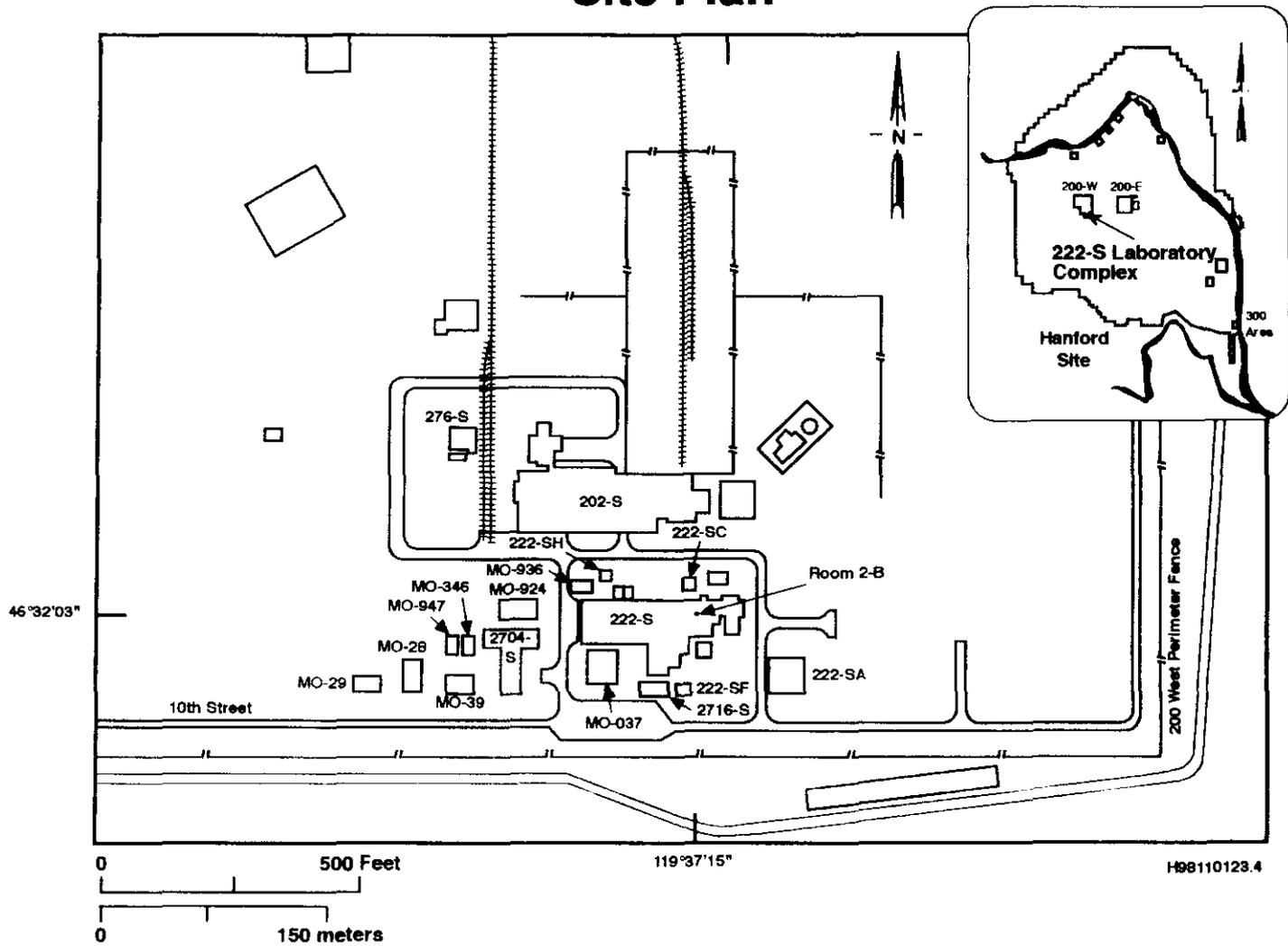


219-S Waste Handling Facility



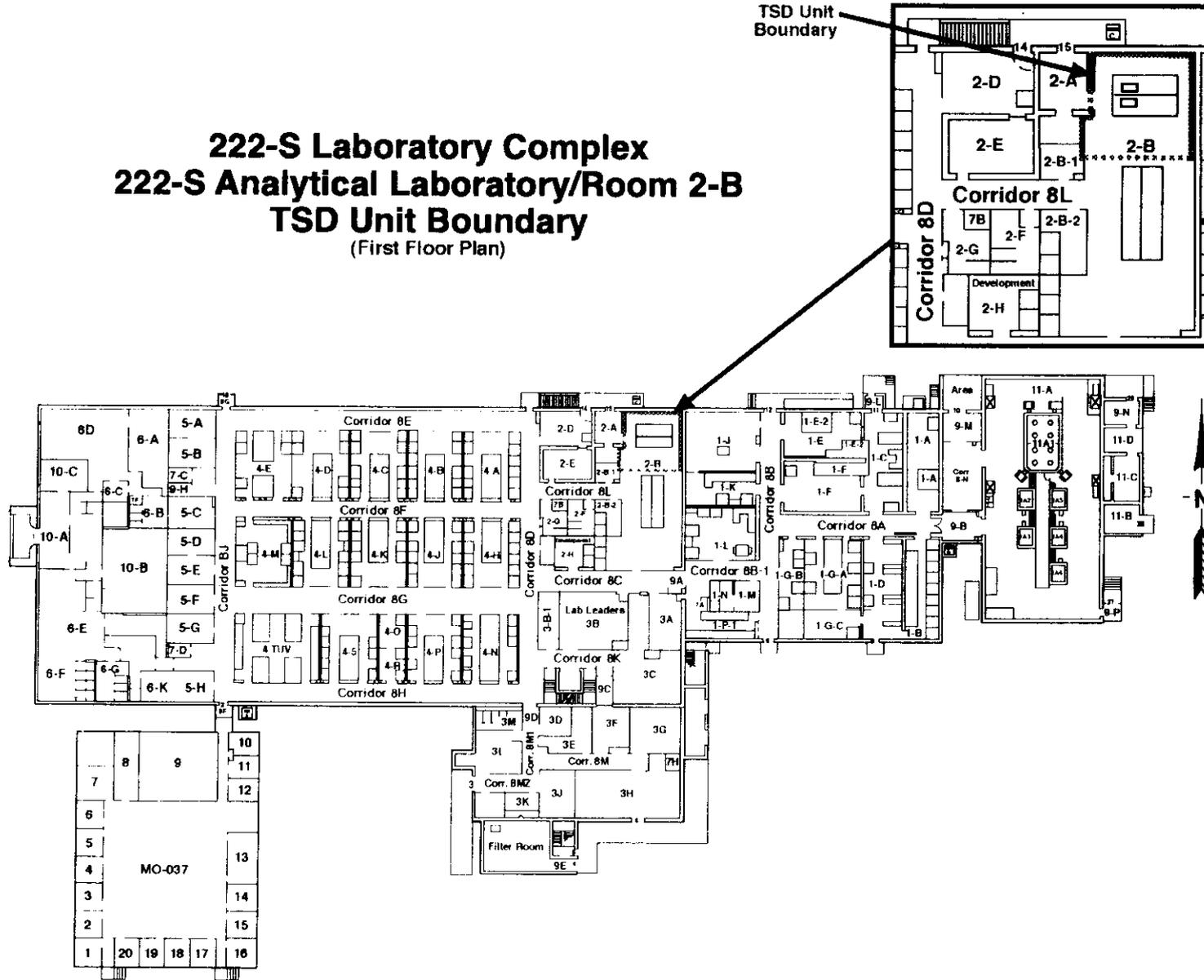
H96070161.19

222-S Laboratory Complex 222-S Analytical Laboratory/Room 2-B Site Plan



WA7890008967

**222-S Laboratory Complex
222-S Analytical Laboratory/Room 2-B
TSD Unit Boundary
(First Floor Plan)**



NOT TO SCALE

RG97020139.1

WA7890008967

222-S Laboratory Complex

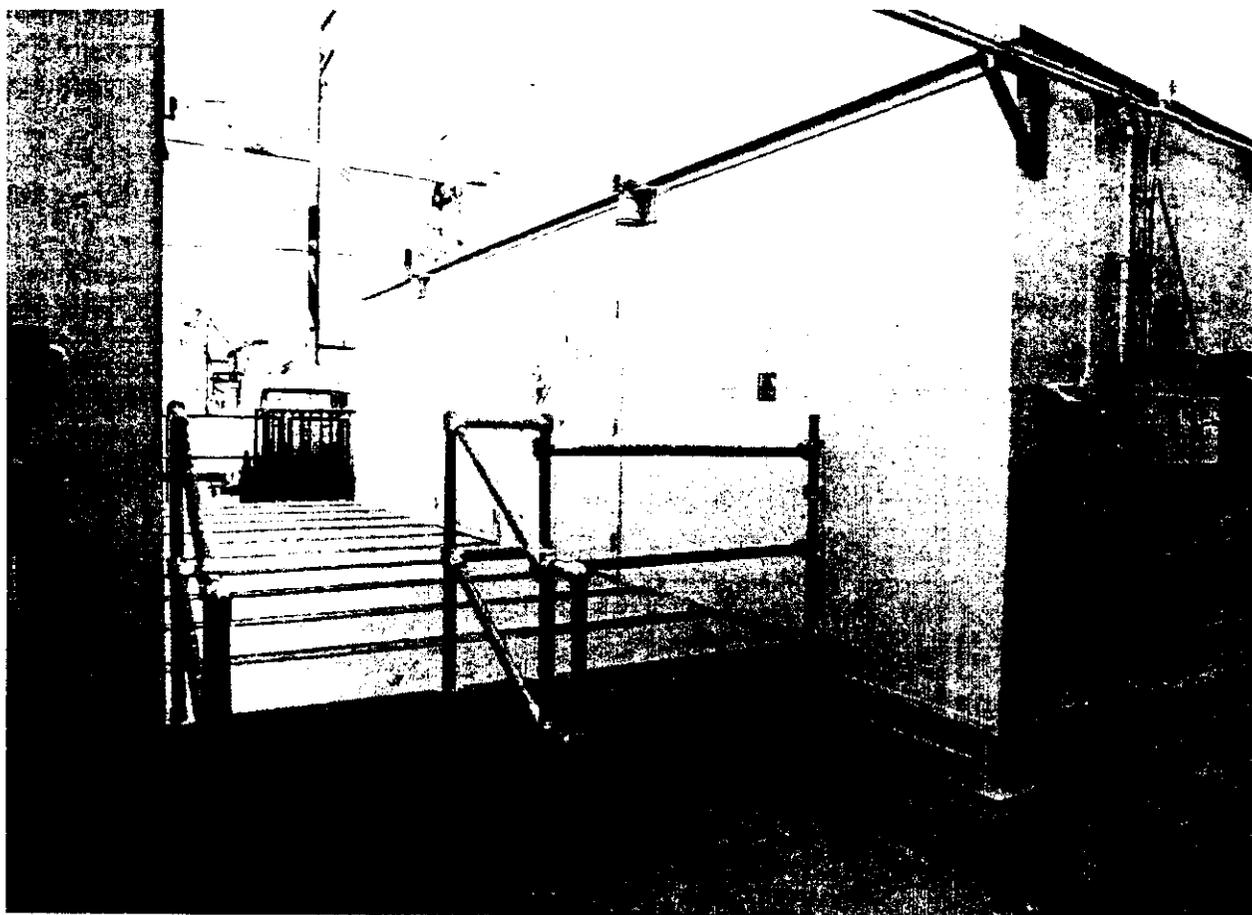


219-S WASTE HANDLING FACILITY

46°32'05"
119°37'13"

98110210-6.JPG
(PHOTO TAKEN 1998)

222-S Laboratory Complex Dangerous and Mixed Waste Storage Area



METAL STORAGE STRUCTURES

46°32'05"
119°37'13"

98110210-13.JPG
(PHOTO TAKEN 1998)

222-S Laboratory Complex 222-S Analytical Laboratory



ROOM 2-B (HOOD FOR TRANSFER OF WASTE TO 219-S WASTE HANDLING FACILITY)

46°32'03"
119°37'15"

97020243-1CN
(PHOTO TAKEN 1997)

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

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

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

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

MO.	DAY	YR.	* FOR EXISTING FACILITIES, PROVIDE THE DATE (mo., day, & yr.) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left) * The date construction of the Hanford Facility commenced.
03	22	43	

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

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

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

III. PROCESSES - CODES AND CAPACITIES

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

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

1. AMOUNT - Enter the amount.

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

PROCESS	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:			Treatment:		
CONTAINER (barrel, drum, etc.)	S01	GALLONS OR LITERS	TANK	T01	GALLONS PER DAY OR LITERS PER DAY
TANK	S02	GALLONS OR LITERS	SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS	INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS	OTHER (Use for physical, chemical thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided: Section III-C.)	T04	GALLONS PER DAY OR LITERS PER DAY
Disposal:					
INJECTION WELL	D80	GALLONS OR LITERS			
LANDFILL	D81	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER			
LAND APPLICATION	D82	ACRES OR HECTARES			
OCEAN DISPOSAL	D83	GALLONS PER DAY OR LITERS PER DAY			
SURFACE IMPOUNDMENT	D84	GALLONS OR LITERS			

UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G	LITERS PER DAY	V	ACRE-FEET	A
LITERS	L	TONS PER HOUR	D	HECTARE-METER	F
CUBIC YARDS	Y	METRIC TONS PER HOUR	W	ACRES	B
CUBIC METERS	C	GALLONS PER HOUR	E	HECTARES	C
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	N U M B E R	A. PRO-CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY			FOR OFFICIAL USE ONLY	LINE NUMBER	A. PRO-CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY			FOR OFFICIAL USE ONLY
			1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)						1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)	
X-1	S	02	600	G			5					
X-2	T	03	20	E			6					
		T04	100	V			7					
							8					
							9					
							10					

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

I. D. NUMBER (entered from page 1)

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

DESCRIPTION OF DANGEROUS WASTES (continued)

L I N E	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEA- SURE (enter code)	D. PROCESSES			
				1. PROCESS CODES (enter)			
1	D003	5,921	K	T04			Treatment - Other
2	D005						
3	D006						
4	D007						
5	D008						
6	D011						
7	WSC2						
8	WT01						
9	WT02						Included with above.
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							

IV. DESCRIPTION OF DANGEROUS WASTE (continued)

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

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

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

VI. PHOTOGRAPHS Refer to attached photograph(s).

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

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

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

VIII. FACILITY OWNER

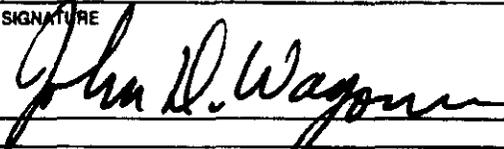
A. If the facility owner is also the facility operator as listed in Section VII on Form 1, "General Information," place an "X" in the box to the left and skip to Section XI below.

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

1. NAME OF FACILITY'S LEGAL OWNER			2. PHONE NO. (area code & no.)		
3. STREET OR P.O. BOX		4. CITY OR TOWN		5. ST.	6. ZIP CODE

IX. OWNER CERTIFICATION

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

NAME (print or type) John D. Wagoner, Manager U.S. Department of Energy Richland Operations Office	SIGNATURE 	DATE SIGNED 12/23/98
---	---	-------------------------

OPERATOR CERTIFICATION

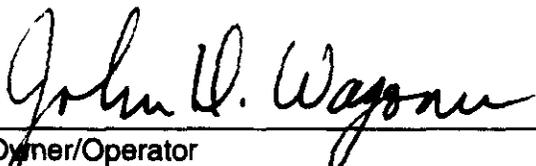
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true,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

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

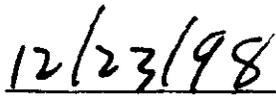
WA7890008967

X. OPERATOR CERTIFICATION

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



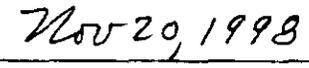
Owner/Operator
John D. Wagoner, Manager
U.S. Department of Energy
Richland Operations Office



Date



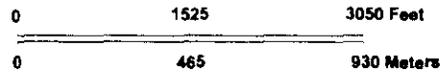
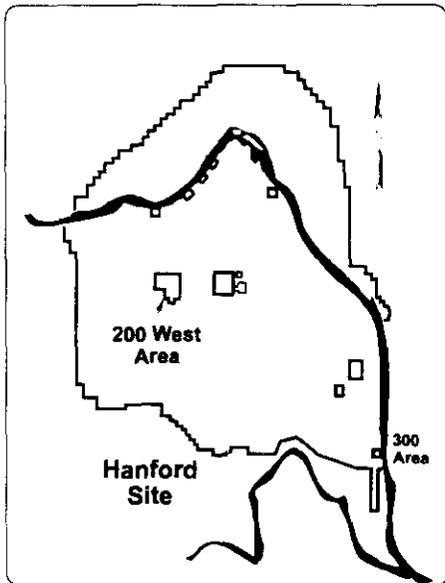
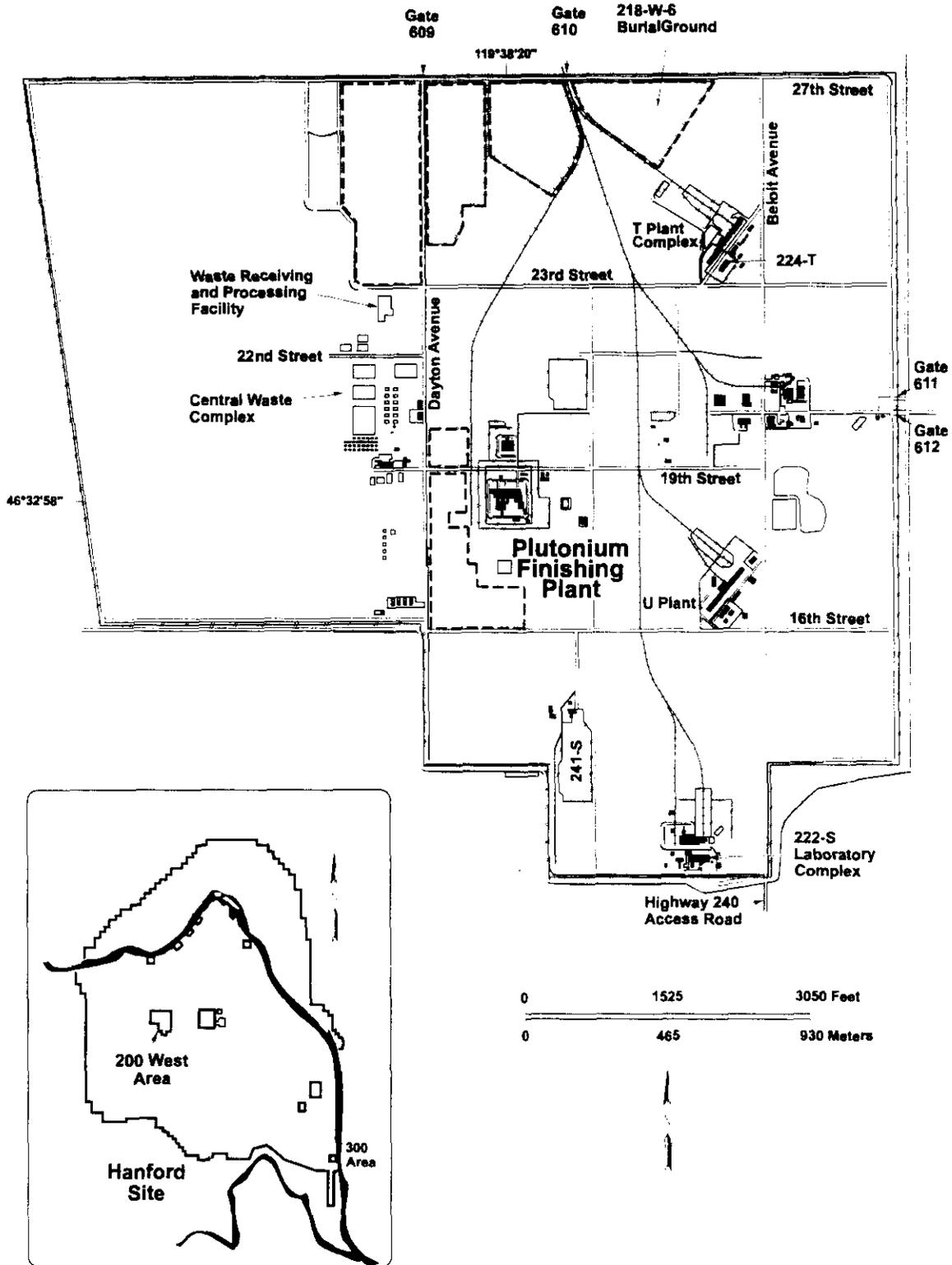
Ron D. Hanson
President and Chief Executive Officer
Fluor Daniel Hanford, Inc.



Date

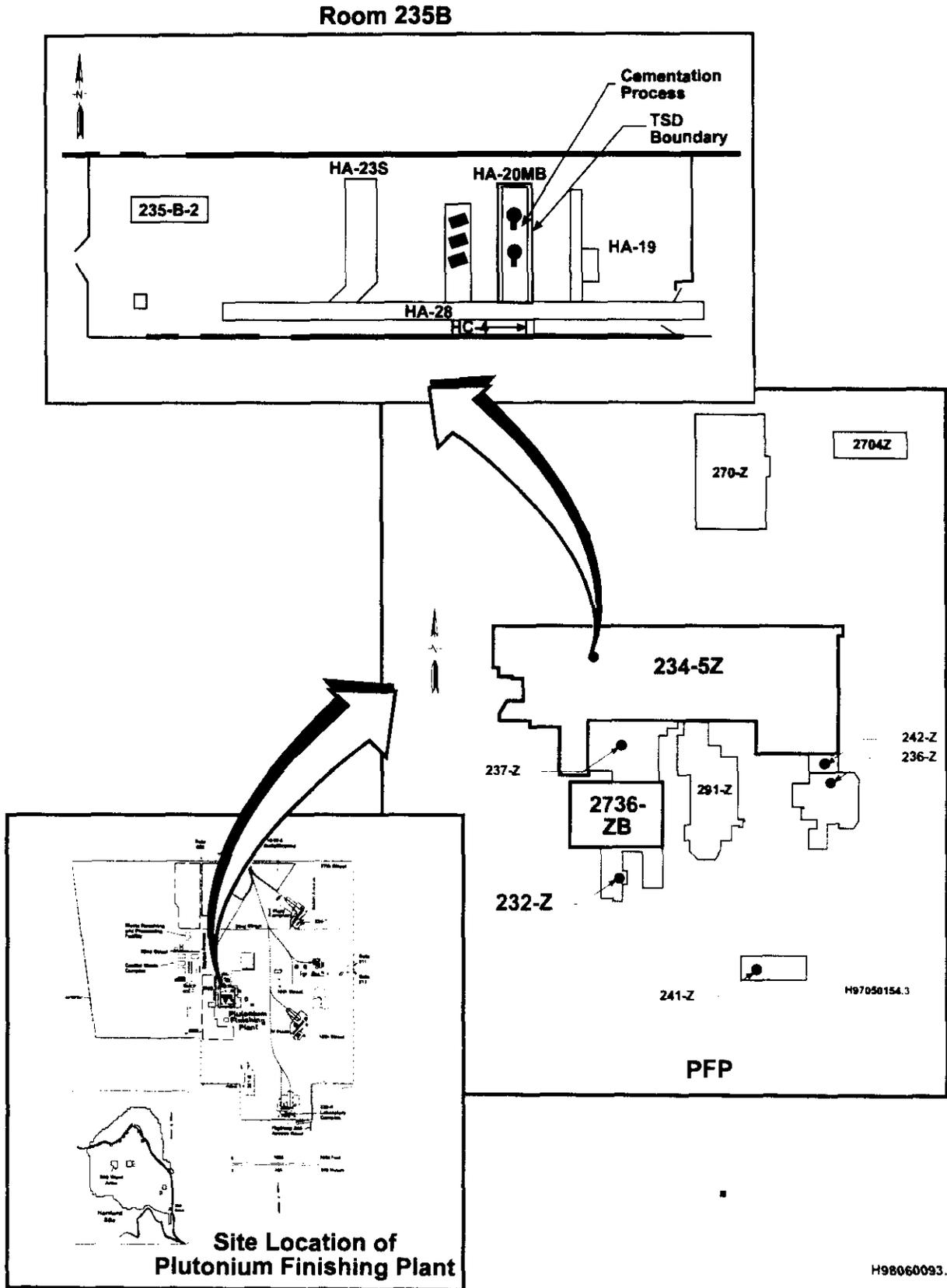
WA7890008967

200 West Area Site Plan



H99060093.2

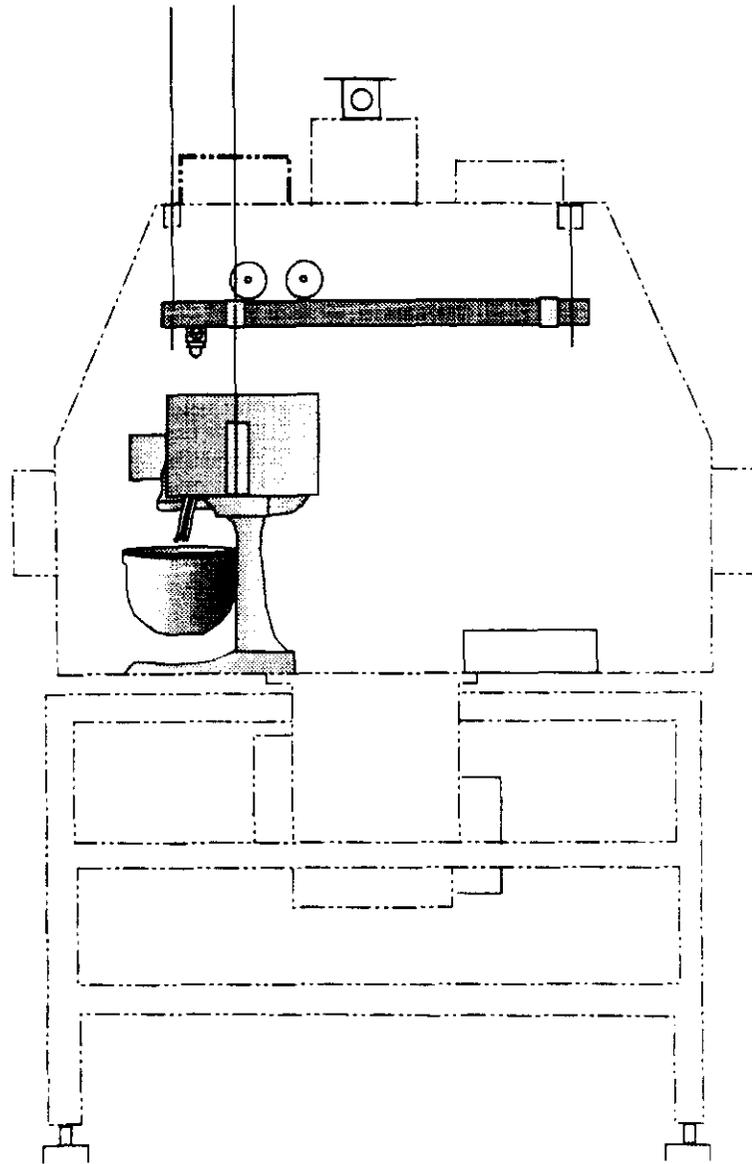
WA7890008967



TSD = treatment, storage, and/or disposal

H98060093.1

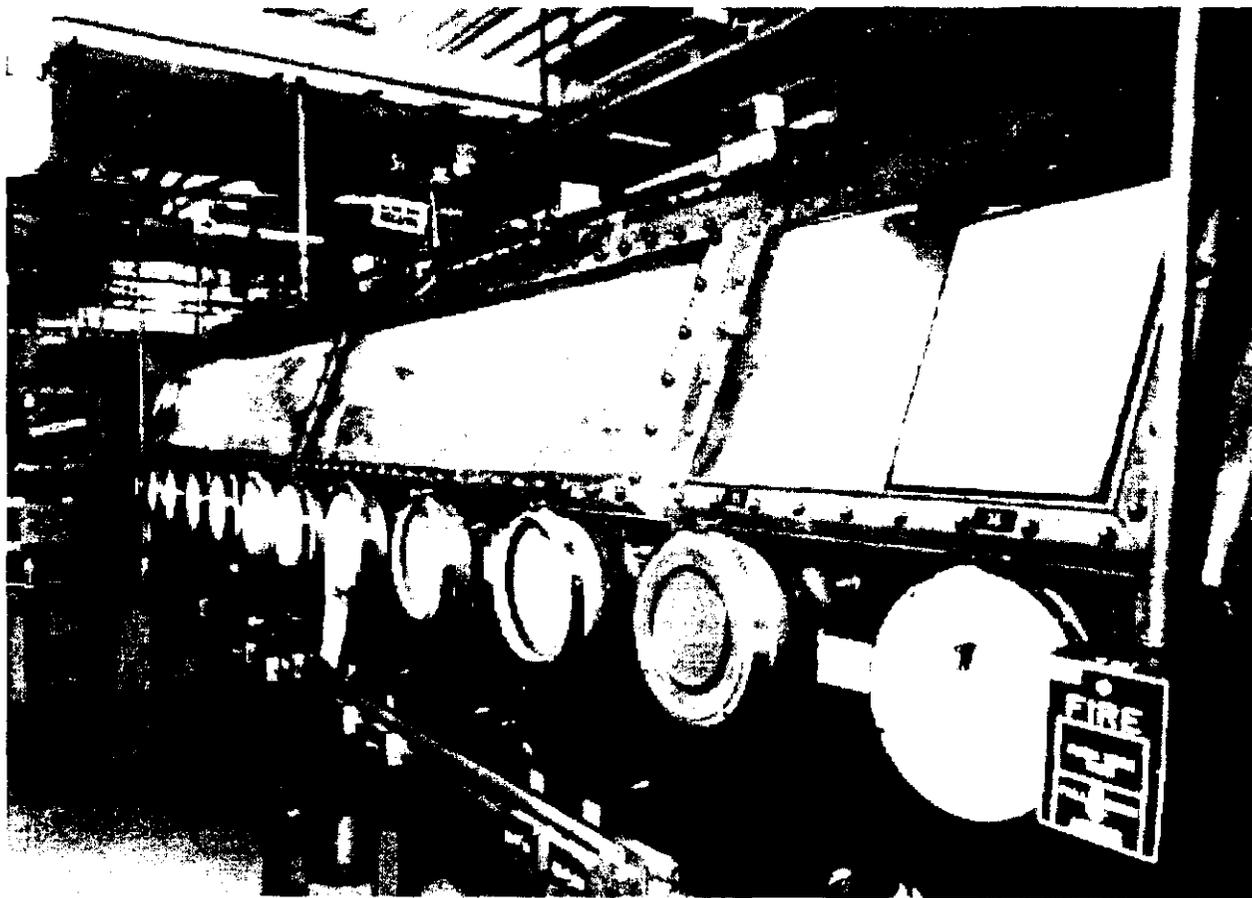
Glovebox HA-20MB



Not to scale.

H97050154.1R1

Room 235B Cementation Treatment Process Area



Glovebox HA-20MB
46°32'58"
119°38'20"

98030268-29CN
(PHOTO TAKEN 1998)

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

Revision

VOLUME 1

1.0	INTRODUCTION	
2.0	PERMITTING STATUS FOR DANGEROUS WASTE TREATMENT, STORAGE, AND/OR DISPOSAL UNITS	◆
3.0	FORM 1 - DANGEROUS WASTE PERMIT APPLICATION	
4.0	FORM 3 - DANGEROUS WASTE PERMIT APPLICATION	
4.1	100 AREA FACILITIES	
4.1.1	Treatment Facilities	
4.1.1.1	1324-N Surface Impoundment	3
4.1.1.2	105-DR Large Sodium Fire Facility	4
4.1.1.3	1706-KE Waste Treatment System	3
4.1.1.4	183-H Solar Evaporation Basins	4
4.1.2	Disposal Facilities	
4.1.2.1	1301-N Liquid Waste Disposal Facility	7
4.1.2.2	1325-N Liquid Waste Disposal Facility	7
4.1.2.3	1324-NA Percolation Pond	3
4.1.2.4	100-D Ponds	4
4.2	200 AREA FACILITIES	
4.2.1	Treatment Facilities	
4.2.1.1	221-T Containment Systems Test Facility	3
4.2.1.2	200 West Area Ash Pit Demolition Site--CLOSED 10/26/95	4
4.2.1.3	218-E-8 Borrow Pit Demolition Site--CLOSED 10/26/95	4
4.2.1.4	242-A Evaporator	7
4.2.1.5	Grout Treatment Facility	5
4.2.1.6	T Plant Complex	7
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	7
4.2.1.10	204-AR Waste Unloading Station	4
4.2.1.11	PUREX Plant	8
4.2.1.12	Hanford Waste Vitrification Plant	5
4.2.1.13	200 Area Effluent Treatment Facility	3
4.2.1.14	Waste Receiving and Processing	2
4.2.1.15	Plutonium Finishing Plant Treatment Unit	0

◆ = Revised this issue.

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

Revision

VOLUME 2

4.2.2	Storage Facilities		
4.2.2.1	<i>2727-S Storage Facility--CLOSED 06/27/95</i>		2
4.2.2.2	Double-Shell Tank System		8
4.2.2.3	Hexone Storage and Treatment Facility		3
4.2.2.4	2727-WA SRE Sodium Storage Building		1
4.2.2.5	PUREX Storage Tunnels		5
4.2.2.6	224-T Transuranic Waste Storage and Assay Facility		6
4.2.2.7	Central Waste Complex		5
4.2.2.8	Single-Shell Tank System		4
4.2.2.9	207-A South Retention Basin		2
4.2.2.10	Liquid Effluent Retention Facility		6
4.2.2.11	241-CX Tank System		3
4.2.2.12	Waste Encapsulation and Storage Facility		0
4.2.3	Disposal Facilities		
4.2.3.1	Low-Level Burial Grounds		11 ♦
4.2.3.2	216-S-10 Pond and Ditch		3
4.2.3.3	<i>2101-M Pond--CLOSED 10/26/95</i>		2
4.2.3.4	216-A-29 Ditch		3
4.2.3.5	216-B-3 Main Pond		5
4.2.3.6	216-B-63 Trench		3
4.2.3.7	216-A-10 Crib		3
4.2.3.8	216-U-12 Crib		3
4.2.3.9	216-A-36B Crib		1
4.2.3.10	216-A-37-1 Crib		2
4.2.3.11	<i>216-B-3 Expansion Ponds--CLOSED 06/27/95</i>		0

VOLUME 3

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

♦ = Revised this issue.

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

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

◆ = Revised this issue.

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

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

FOR OFFICIAL USE ONLY		
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)

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

<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:20px; text-align: center;">MO.</td> <td style="width:20px; text-align: center;">DAY</td> <td style="width:20px; text-align: center;">YR.</td> </tr> <tr> <td style="text-align: center;">03</td> <td style="text-align: center;">22</td> <td style="text-align: center;">43</td> </tr> </table>	MO.	DAY	YR.	03	22	43	* FOR EXISTING FACILITIES, PROVIDE THE DATE (mo., day, & yr.) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left) * The date construction of the Hanford Facility commenced.	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:20px; text-align: center;">MO.</td> <td style="width:20px; text-align: center;">DAY</td> <td style="width:20px; text-align: center;">YR.</td> </tr> <tr> <td style="height: 20px;"></td> <td style="height: 20px;"></td> <td style="height: 20px;"></td> </tr> </table> FOR NEW FACILITIES, PROVIDE THE DATE (mo., day, & yr.) OPERATION BEGAN OR IS EXPECTED TO BEGIN	MO.	DAY	YR.			
MO.	DAY	YR.												
03	22	43												
MO.	DAY	YR.												

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

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

III. PROCESSES - CODES AND CAPACITIES

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

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

1. AMOUNT - Enter the amount.

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

PROCESS	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:			Treatment:		
CONTAINER (barrel, drum, etc.)	S01	GALLONS OR LITERS	TANK	T01	GALLONS PER DAY OR LITERS PER DAY
TANK	S02	GALLONS OR LITERS	SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS	INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR, GALLONS PER HOUR OR LITERS PER HOUR
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS	OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided: Section III-C.)	T04	GALLONS PER DAY OR LITERS PER DAY
Disposal:					
INJECTION WELL	D80	GALLONS OR LITERS			
LANDFILL	D81	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER			
LAND APPLICATION	D82	ACRES OR HECTARES			
OCEAN DISPOSAL	D83	GALLONS PER DAY OR LITERS PER DAY			
SURFACE IMPOUNDMENT	D84	GALLONS OR LITERS			

UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G	LITERS PER DAY	V	ACRE-FEET	A
LITERS	L	TONS PER HOUR	D	HECTARE-METER	F
CUBIC YARDS	Y	METRIC TONS PER HOUR	W	ACRES	B
CUBIC METERS	C	GALLONS PER HOUR	E	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	2	1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY	LINE NUMBER			1	2	1. AMOUNT (specify)	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							
-	D81		174	F				7							
-	S01		10,000,000	L				8							
3								9							
4								10							

Continued from page 2.

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

I. D. NUMBER (entered from page 1)

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

DESCRIPTION OF DANGEROUS WASTES (continued)

L I N E	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEAS- SURE (enter code)	D. PROCESSES			
				1. PROCESS CODES (enter)			2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	D001	160,000,000	K	D81			Disposal
2	through						
3	D043						
4	WT01						
5	WT02						
6	WP01						
7	through						
8	WP03						
9	W001						
10	WSC2						
11	F001						
12	through						
13	F012						
14	F019						
15	F028						
16	F039						
17	U001						
18	through						
19	U012						
20	U014						
21	through						
22	U039						
23	U041						
24	through						
25	U053						
26							

Continued from page 2.

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

I. D. NUMBER (entered from page 1)

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

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	U055	160,000,000	K	D81			Disposal (continued)
2	through						
3	U064						
4	U066						
5	through						
6	U099						
7	U101						
8	through						
9	U103						
10	U105						
	through						
12	U138						
13	U140						
14	through						
15	U174						
16	U176						
17	through						
18	U194						
19	U196						
20	U197						
21	U200						
22	through						
23	U223						
24	U225						
25	through						
26	U228						

Continued from page 2.

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

I. D. NUMBER (entered from page 1)

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

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	U230	160,000,000	K	D81			Disposal (continued)
2	through						
3	U240						
4	U242						
5	through						
6	U244						
7	U246						
8	through						
9	U249						
10	U271						
11	U277						
12	through						
13	U280						
14	U328						
15	U353						
16	U359						
17	U364						
18	through						
19	U367						
20	U372						
21	U373						
22	U375						
23	through						
24	U379						
25							
26							

Continued from page 2.

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

I. D. NUMBER (entered from page 1)

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

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))
1	U381	160,000,000	K	D81				Disposal (continued)
2	through							
3	U387							
4	U389							
5	through							
6	U396							
7	U400							
8	through							
9	U404							
10	U407							
	U409							
12	through							
13	U411							
14	P001							
15	through							
16	P018							
17	P020							
18	through							
19	P024							
20	P026							
21	through							
22	P031							
23	P033							
24	P034							
25								
26								

Continued from page 2.

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

I. D. NUMBER (entered from page 1)

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

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)			
1	P036	160,000,000	K	D81			Disposal (continued)
2	through						
3	P051						
4	P054						
5	P056						
6	through						
7	P060						
8	P062						
9	through						
10	P078						
11	P081						
12	P082						
13	P084						
14	P085						
15	P087						
16	through						
17	P089						
18	P092						
19	through						
20	P099						
21	P101						
22	through						
23	P116						
24	P118						
25	through						
26	P123						

Continued from page 2.

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

I. D. NUMBER (entered from page 1)

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

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)			
1	P127	160,000,000	K	D81			Disposal (continue)
2	P128						
3	P185						
4	P188						
5	through						
6	P192						
7	P194						
8	P196						
9	through						
10	P199						
	P201						
12	through						
13	P205						Included with above.
14	D004	10,000,000	K	S01			Storage - Container
15	through						
16	D043						
17	WT01						
18	WT02						
19	WP01						
20	through						
21	WP03						
22	W001						
23	WSC2						
24	F001						
25	through						
26	F012						

Continued from page 2.

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

I. D. NUMBER (entered from page 1)

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

DESCRIPTION OF DANGEROUS WASTES (continued)

L I N E	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEAS- SURE (enter code)	D. PROCESSES			
				1. PROCESS CODES (enter)			
1	F019	10,000,000	K	S01			Storage - Container (continued)
2	F028						
3	U001						
4	through						
5	U012						
6	U014						
7	through						
8	U039						
9	U041						
10	through						
11	U053						
12	U055						
13	through						
14	U064						
15	U066						
16	through						
17	U099						
18	U101						
19	through						
20	U103						
21	U105						
22	through						
23	U138						
24	U140						
25	through						
26	U174						

Continued from page 2.

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

I. D. NUMBER (entered from page 1)

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

DESCRIPTION OF DANGEROUS WASTES (continued)

L I N E	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEA- SURE (enter code)	D. PROCESSES			
				1. PROCESS CODES (enter)			2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U176	10,000,000	K	S01			Storage - Container (continued)
2	through						
3	U194						
4	U196						
5	U197						
6	U200						
7	through						
8	U223						
9	U225						
10	through						
	U228						
12	U230						
13	through						
14	U240						
15	U242						
16	through						
17	U244						
18	U246						
19	through						
20	U249						
21	U271						
22	U277						
23	through						
24	U280						
25	U328						
26	U353						

Continued from page 2.

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

I. D. NUMBER (entered from page 1)

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

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)			
1	U359	10,000,000	K	S01			Storage - Container (continued)
2	U364						
3	through						
4	U367						
5	U372						
6	U373						
7	U375						
8	through						
9	U379						
10	U381						
	through						
12	U387						
13	U389						
14	through						
15	U396						
16	U400						
17	through						
18	U404						
19	U407						
20	U409						
21	through						
22	U411						
23	P001						
24	through						
25	P018						
26							

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

I. D. NUMBER (entered from page 1)

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

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	P020	10,000,000	K	S01							Storage - Container (continued)
2	through										
3	P024										
4	P026										
5	through										
6	P031										
7	P033										
8	P034										
9	P036										
10	through										
11	P051										
12	P054										
13	P056										
14	through										
15	P060										
16	P062										
17	through										
18	P078										
19	P081										
20	P082										
21	P084										
22	P085										
23	P087										
24	through										
25	P089										
26											

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

I. D. NUMBER (entered from page 1)

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

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	P092	10,000,000	K	S01							Storage - Container (continued)
2	through										
3	P099										
4	P101										
5	through										
6	P116										
7	P118										
8	through										
9	P123										
10	P127										
11	P128										
12	P185										
13	P188										
14	through										
15	P192										
16	P194										
17	P196										
18	through										
19	P199										
20	P201										
21	through										
22	P205										Included with above.
23											
24											
25											
26											

Continued from the front.

IV. DESCRIPTION OF DANGEROUS WASTE (continued)

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

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

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

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

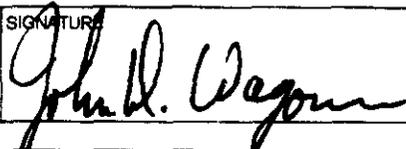
LATITUDE (degrees, minutes, & seconds)				LONGITUDE (degrees, minutes, & seconds)			

VIII. FACILITY OWNER

A. If the facility owner is also the facility operator as listed in Section VII on Form 1, "General Information," place an "X" in the box to the left and skip to Section XI below.
 B. If the facility owner is not the facility operator as listed in Section VII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER			2. PHONE NO. (area code & no.)		
3. STREET OR P.O. BOX		4. CITY OR TOWN		5. ST.	6. ZIP CODE

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

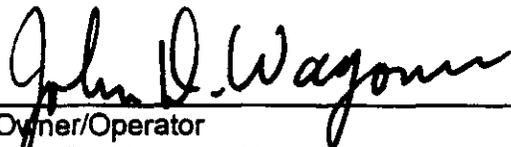
NAME (print or type) John D. Wagoner, Manager U.S. Department of Energy Richland Operations Office	SIGNATURE 	DATE SIGNED 12/23/98
---	--	-------------------------

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

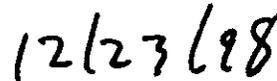
NAME (print or type) SEE ATTACHMENT	SIGNATURE	DATE SIGNED
--	-----------	-------------

X. OPERATOR CERTIFICATION

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



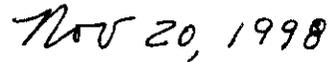
Owner/Operator
John D. Wagoner, Manager
U.S. Department of Energy
Richland Operations Office



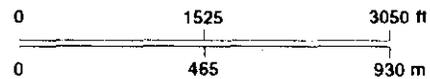
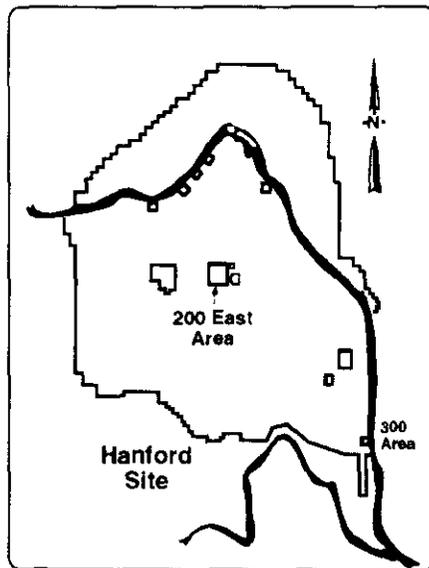
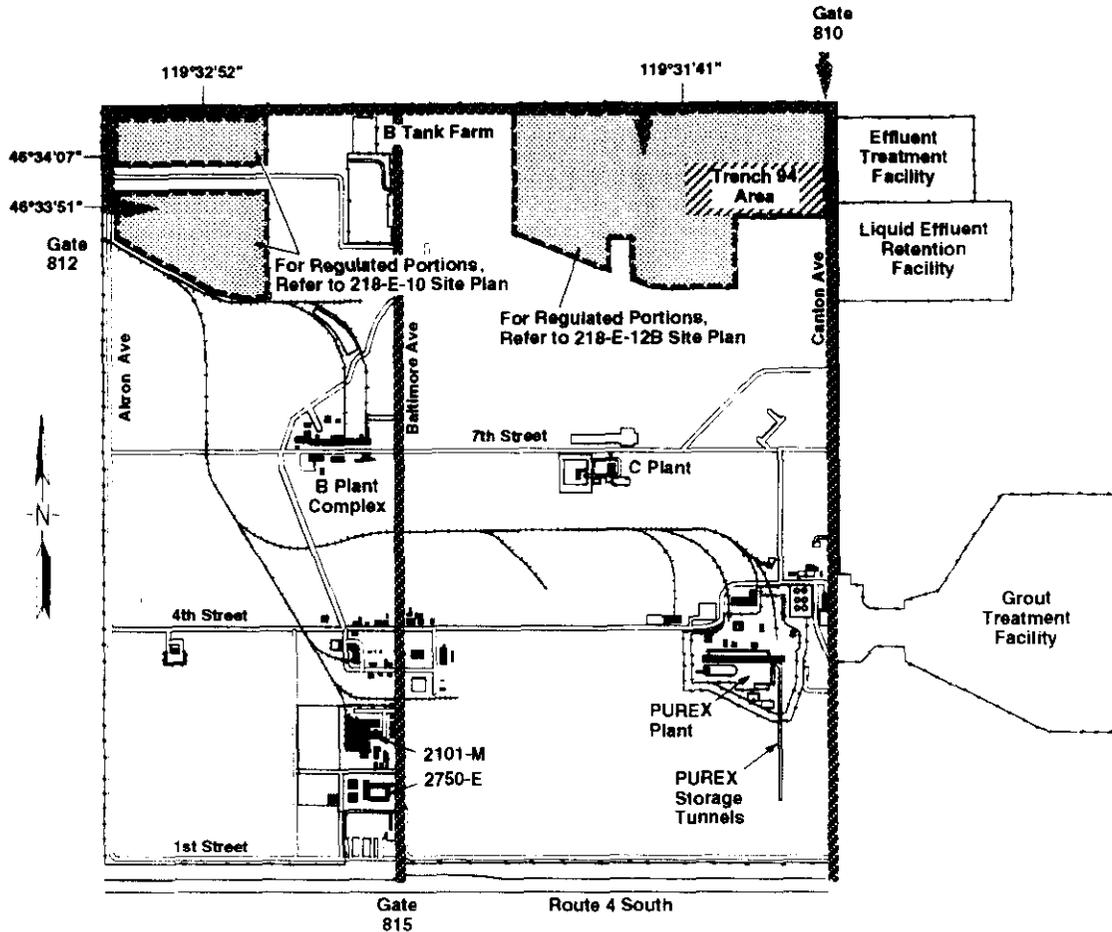
Date



R. D. Hanson,
President and Chief Executive Officer
Fluor Daniel Hanford, Inc.



Date



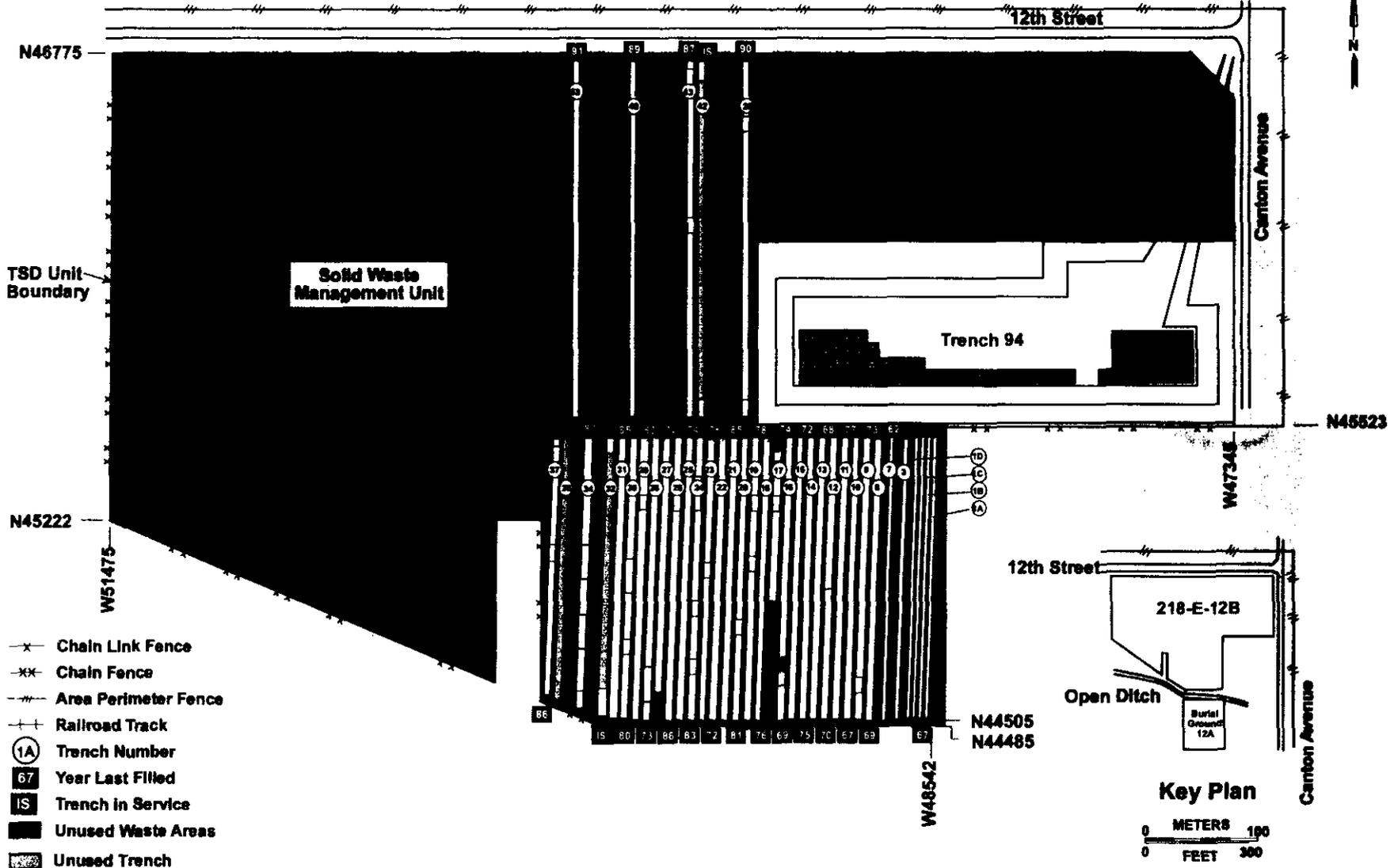
-  Regulated Burial Grounds
-  SWMU (Solid Waste Management Unit)
-  Waste Routes

Note: TSD Unit boundaries are defined by dashed lines.

200 East Area Low-Level Burial Grounds

218-E-12B Burial Ground

200 East Area Perimeter Fence



N46775

TSD Unit Boundary

Solid Waste Management Unit

N45222

W51475

- x- Chain Link Fence
- xx- Chain Fence
- - - Area Perimeter Fence
- + + + Railroad Track
- (1A) Trench Number
- 67 Year Last Filled
- IS Trench in Service
- Unused Waste Areas
- Unused Trench
- Radioactive Waste
- Regulated Mixed Waste*
- Retrievable Transuranic
- Regulated Mixed Waste Area

Trench 94

12th Street

218-E-12B

Open Ditch

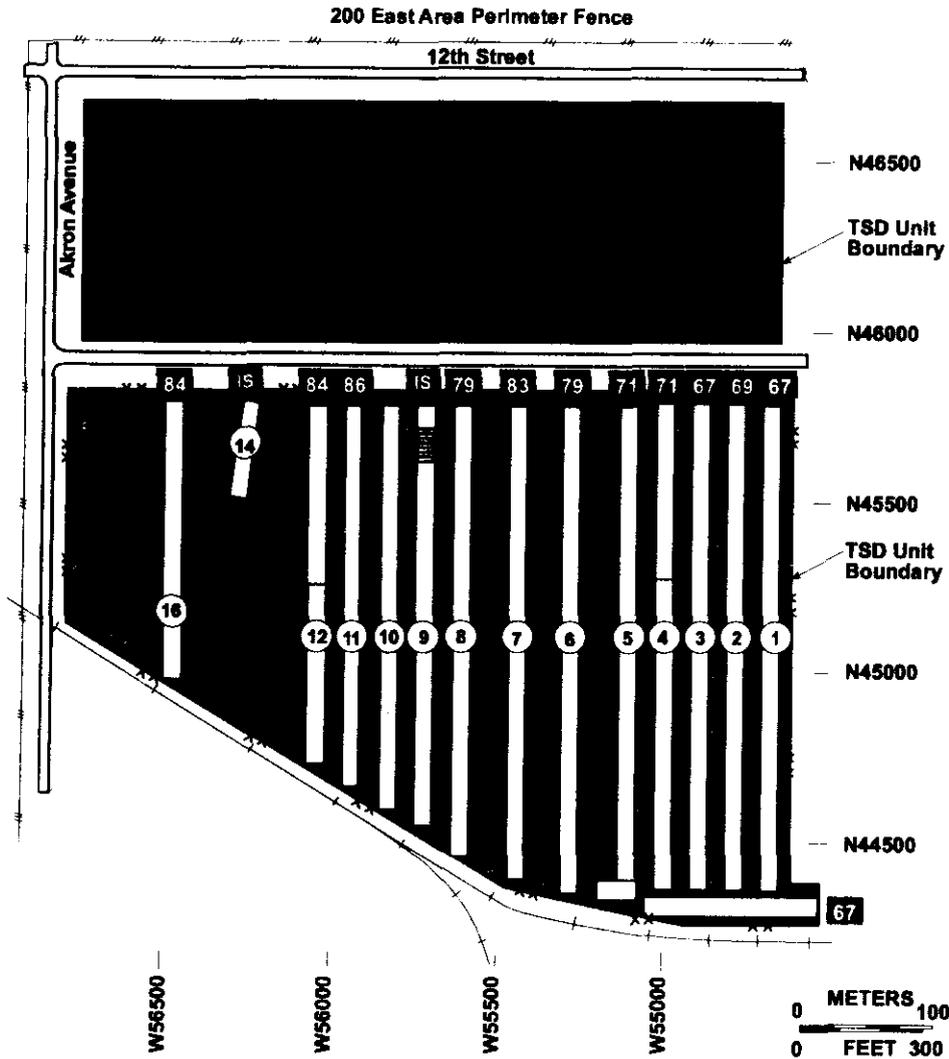
Key Plan



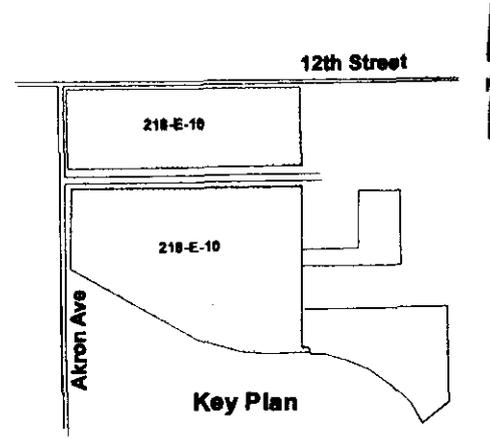
*This figure shows typical U.S. Navy Reactor Compartment placement in Trench 94. The number of Reactor Compartments will continue to increase as future shipments are received.
W and N numbers are Hanford Site Coordinate System points.

38862011.14Cag
R4 8/18/98

218-E-10 Burial Ground

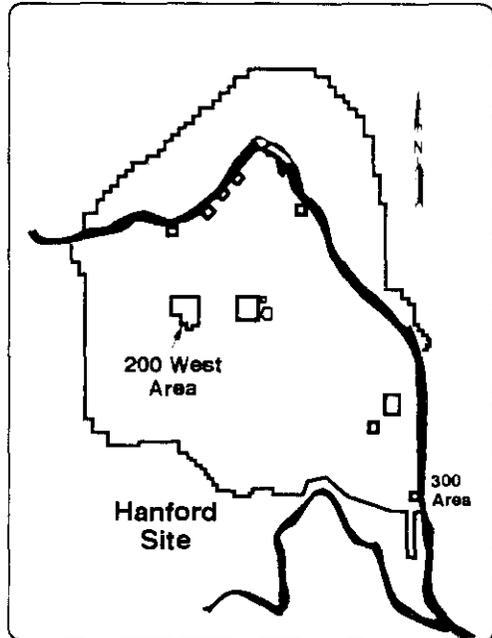
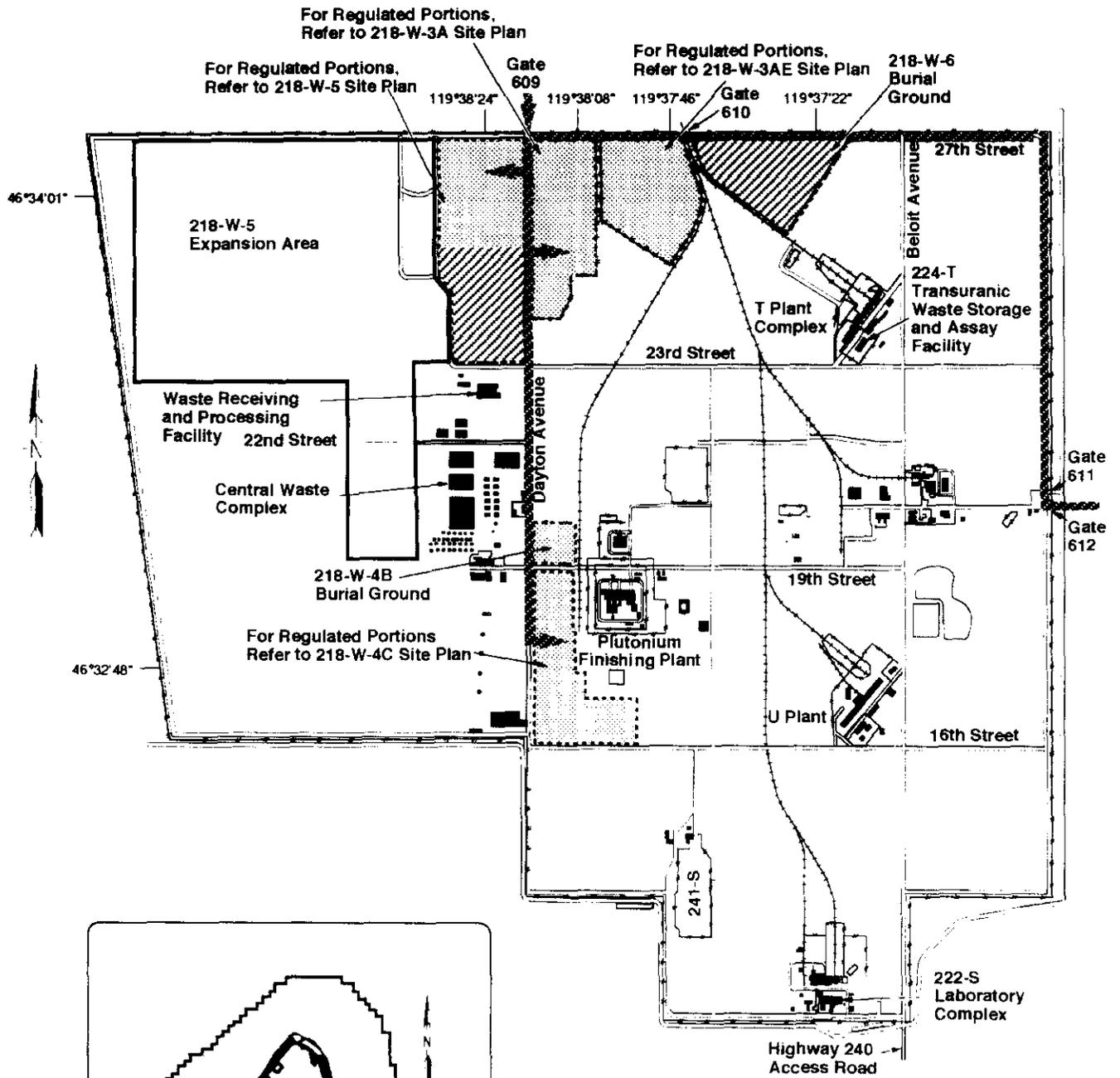


W and N numbers are Hanford Site Coordinate System points.



- x- Chain Link Fence
- *- Chain Fence
- /- Area Perimeter Fence
- + + Railroad Track
- ⓐ Trench Number
- 67 Year Last Filled
- IS Trench In Service
- Unused Waste Areas
- Unused Trench Area
- Radioactive Waste
- ▨ Regulated Mixed Waste

H96100218.3

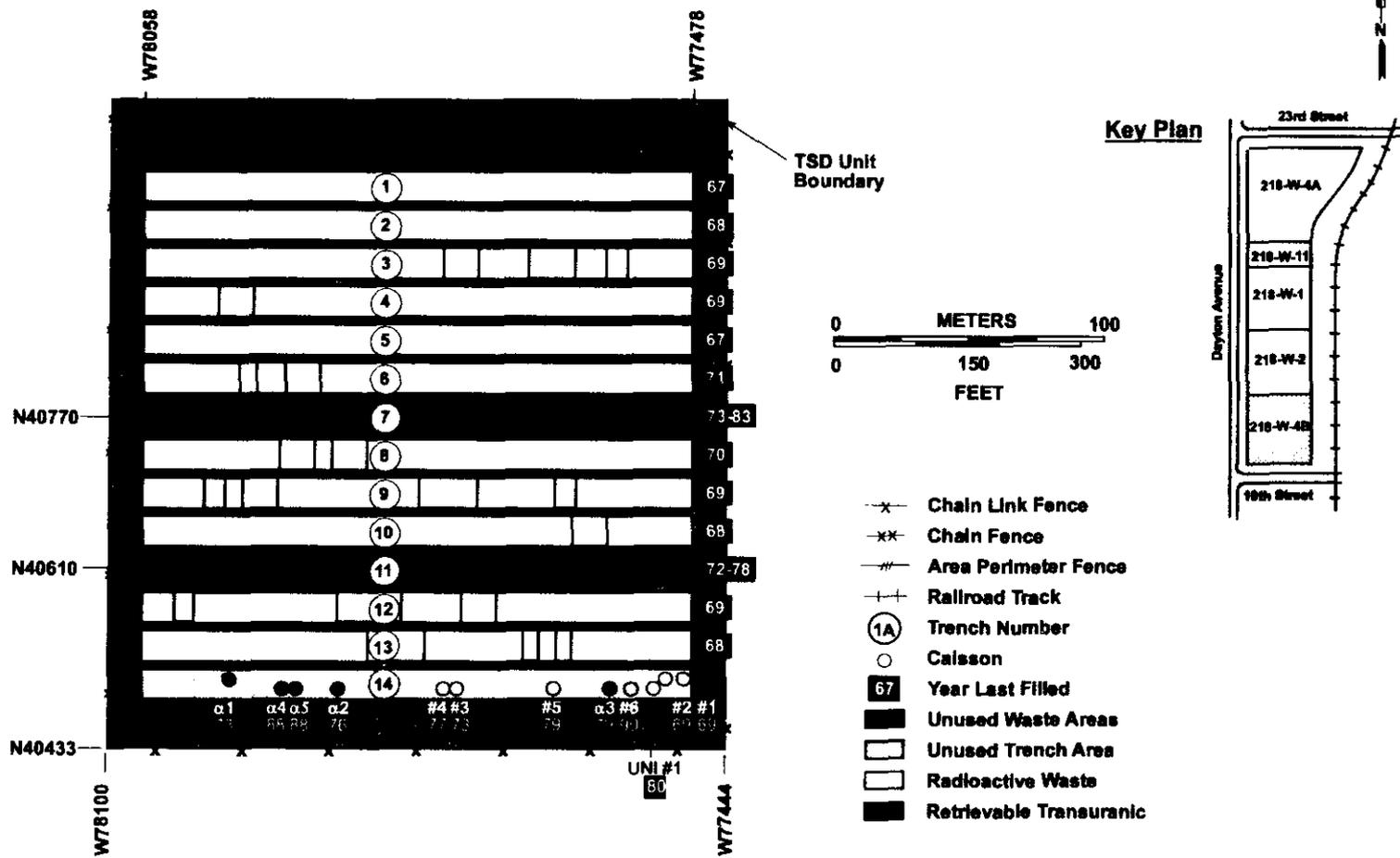


-  Regulated Burial Grounds
-  SWMU (Solid Waste Management Unit)
-  Waste Routes
-  Expansion Area

Note: TSD Unit boundaries are defined by dashed lines.

200 West Area Low-Level Burial Grounds

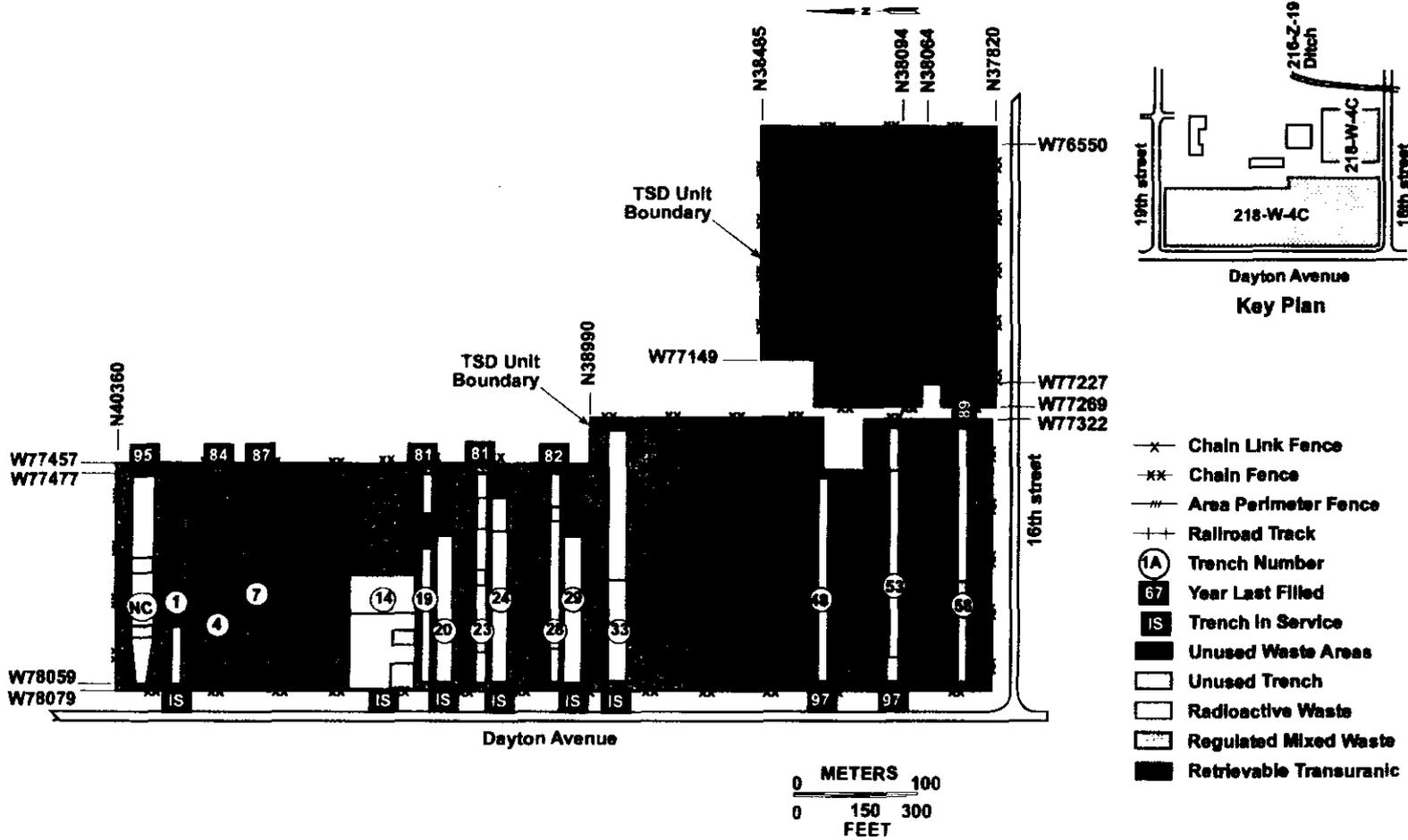
218-W-4B Burial Ground



W and N numbers are Hanford Site Coordinate System points.

39502011.7Ca
R2 5/20/97

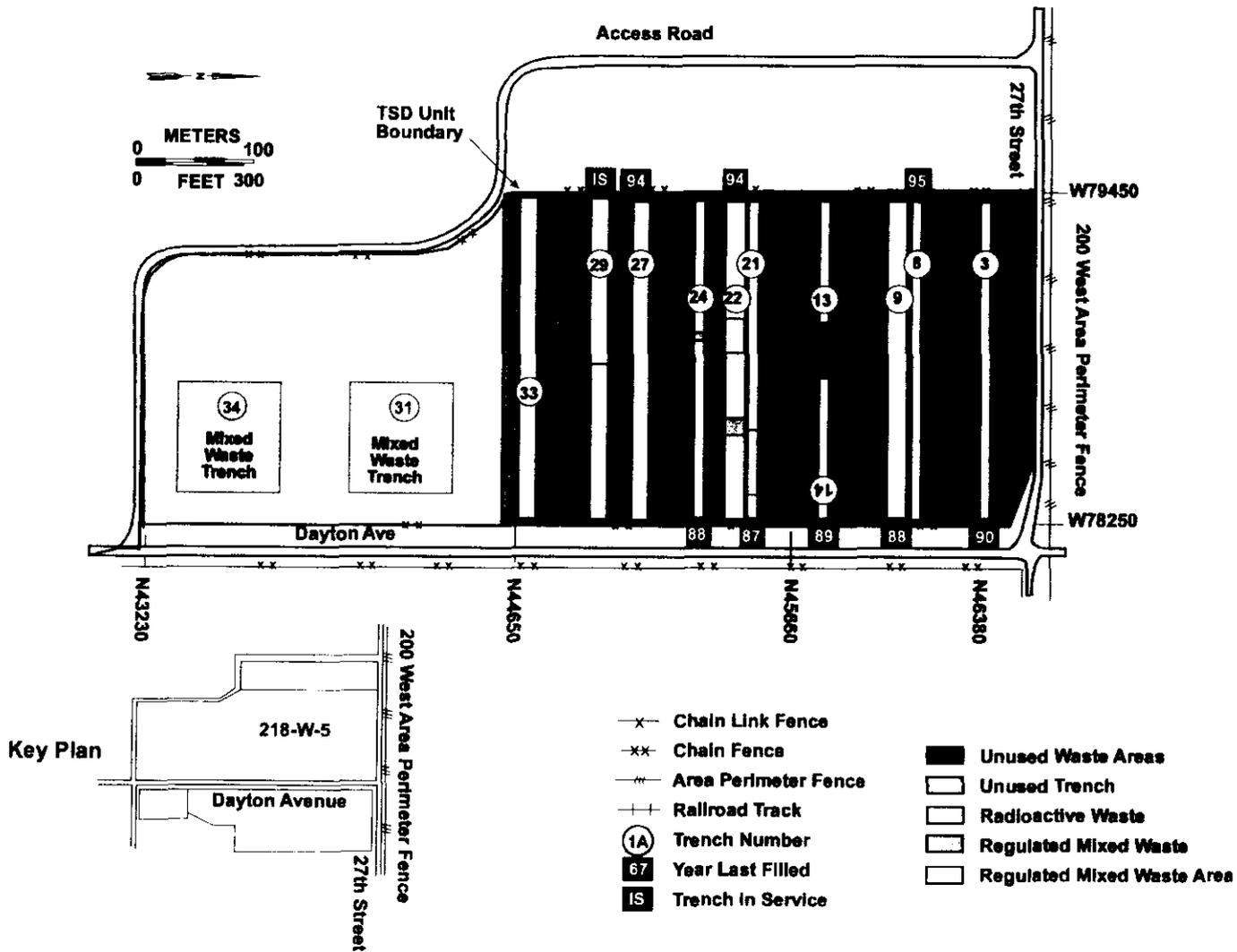
218-W-4C Burial Ground



W and N numbers are Hanford Site Coordinate System points.

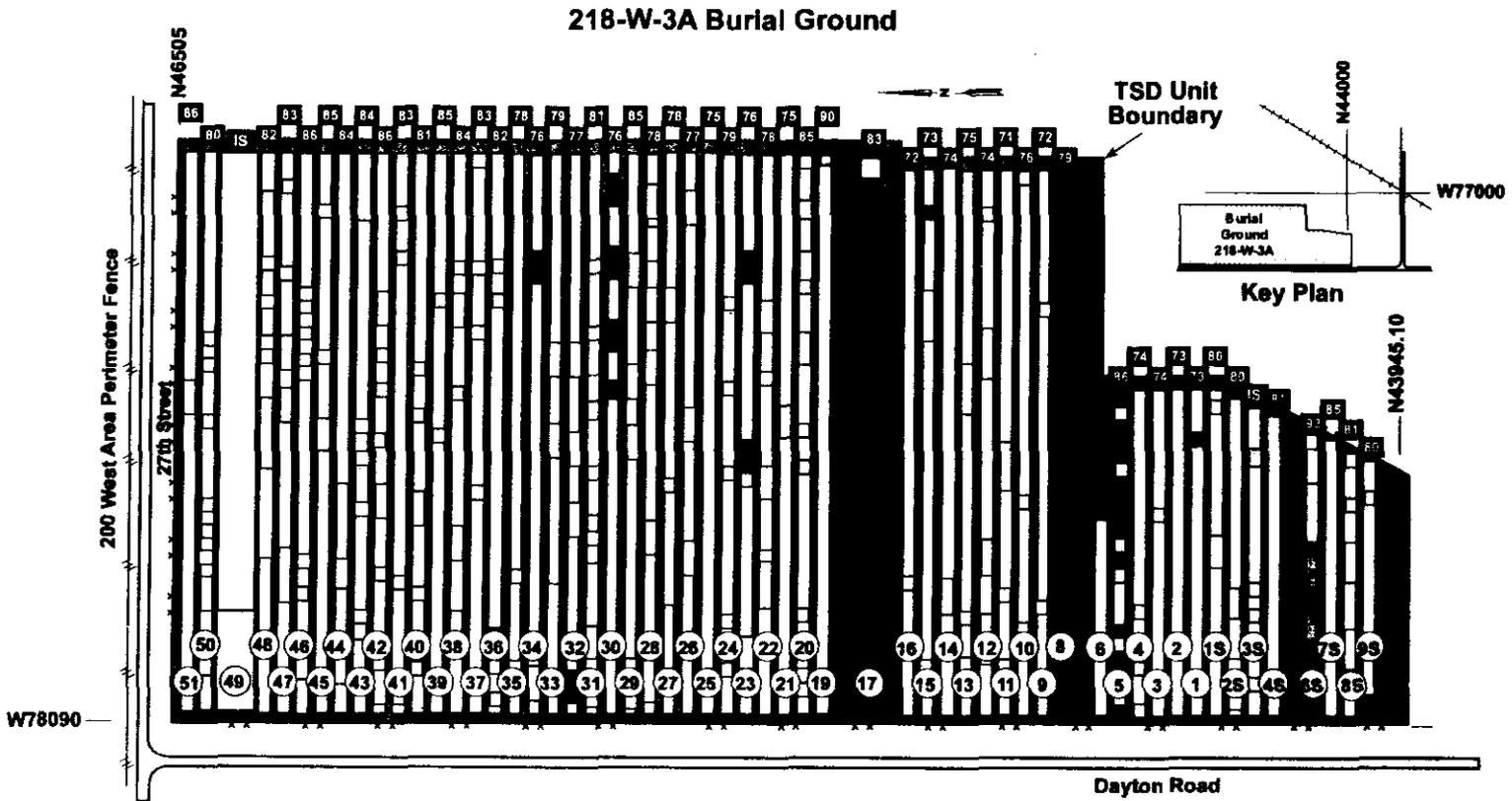
39502011.16Cag
R3 5/4/98

218-W-5 Burial Ground



W and N numbers are Hanford Site Coordinate System points.

H06100218.5 R3



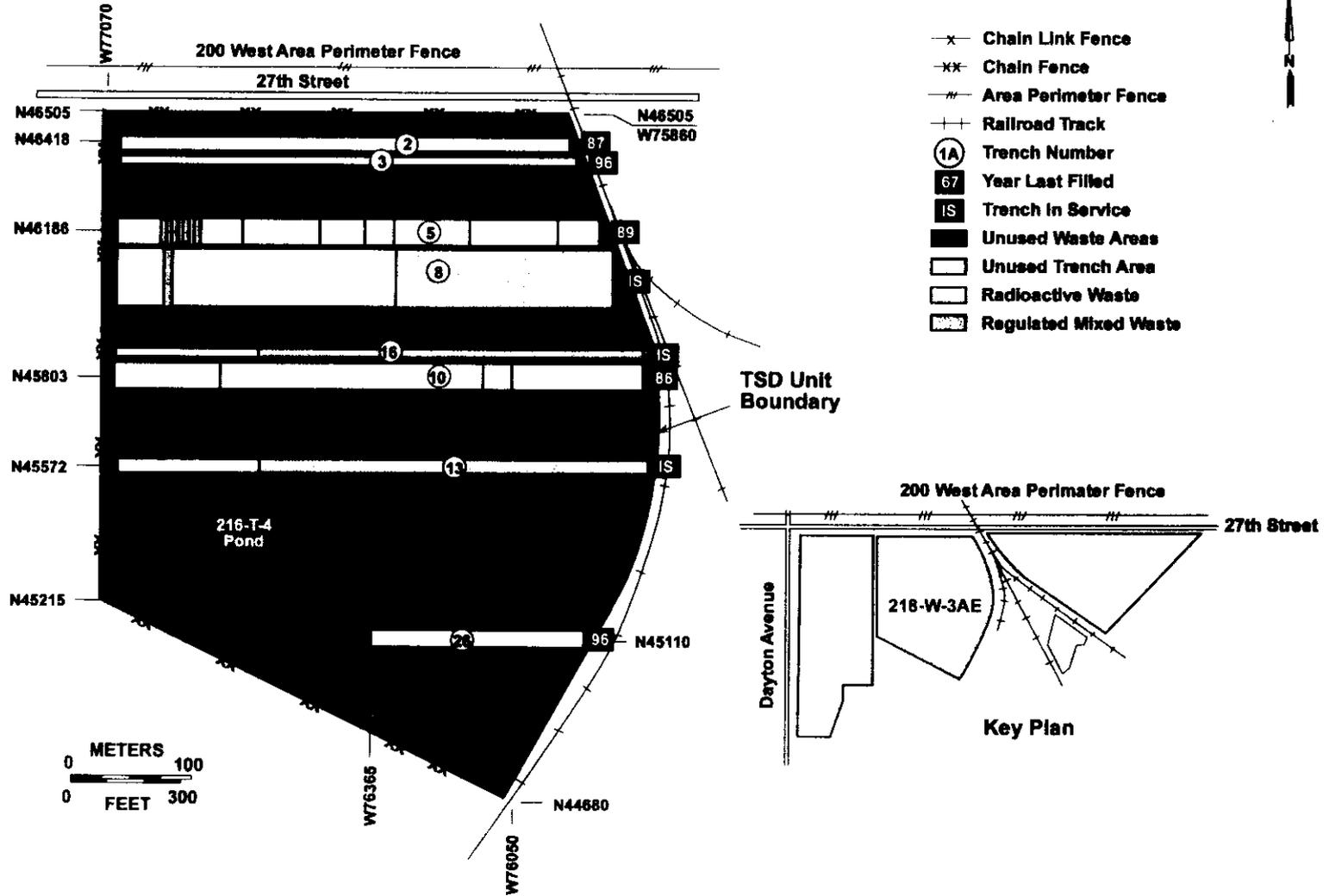
- x- Chain Link Fence
- *- Chain Fence
- /- Area Perimeter Fence
- +- Railroad Track
- (1A) Trench Number
- 67 Year Last Filled
- IS Trench In Service
- Unused Waste Areas
- Unused Trench Area
- Radioactive Waste
- Retrievable Transuranic
- Regulated Mixed Waste



W and N numbers are Hanford Site Coordinate System points.

H96100218.1

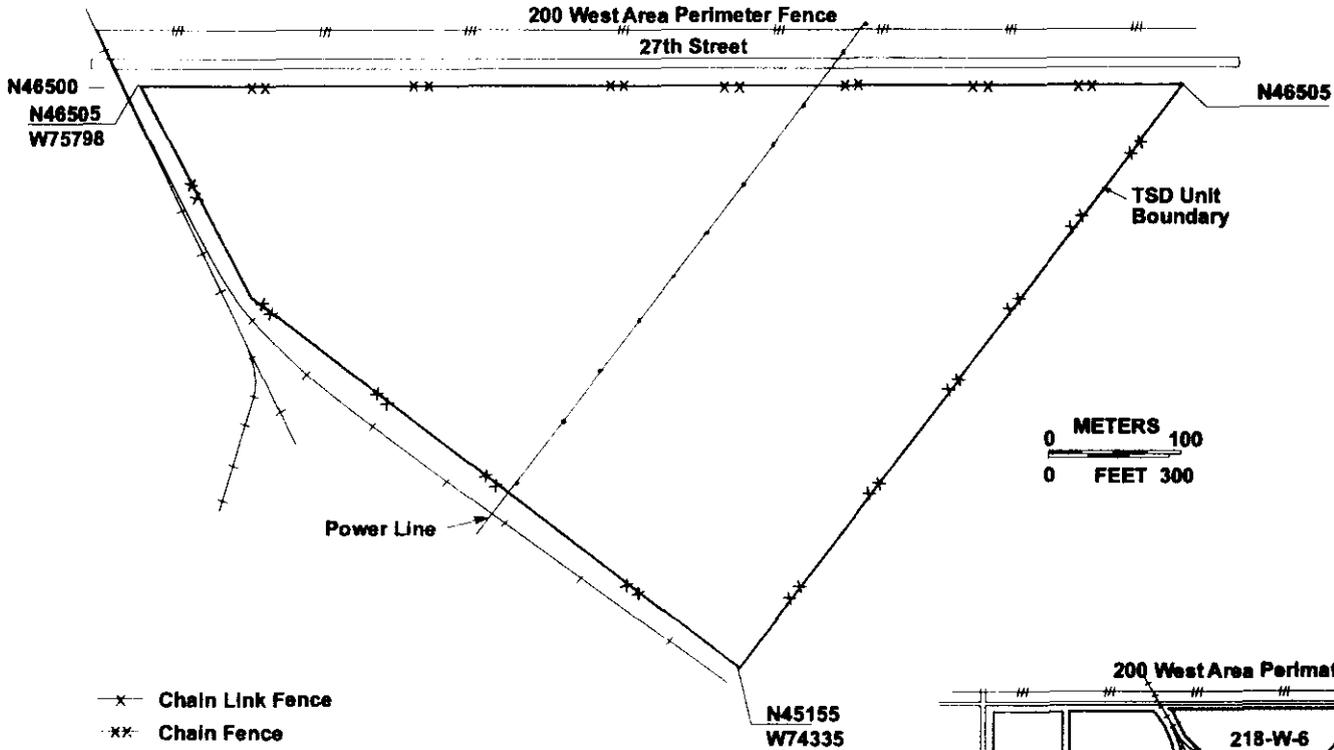
218-W-3AE Burial Ground



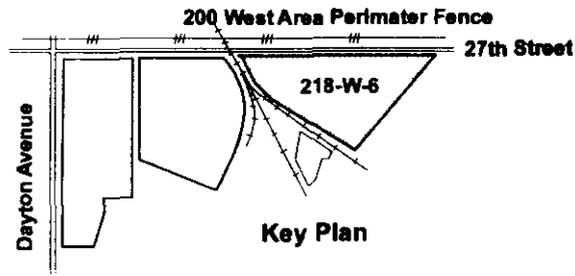
W and N numbers are Hanford Site Coordinate System points.

H96100218.2 R1

218-W-6 Burial Ground



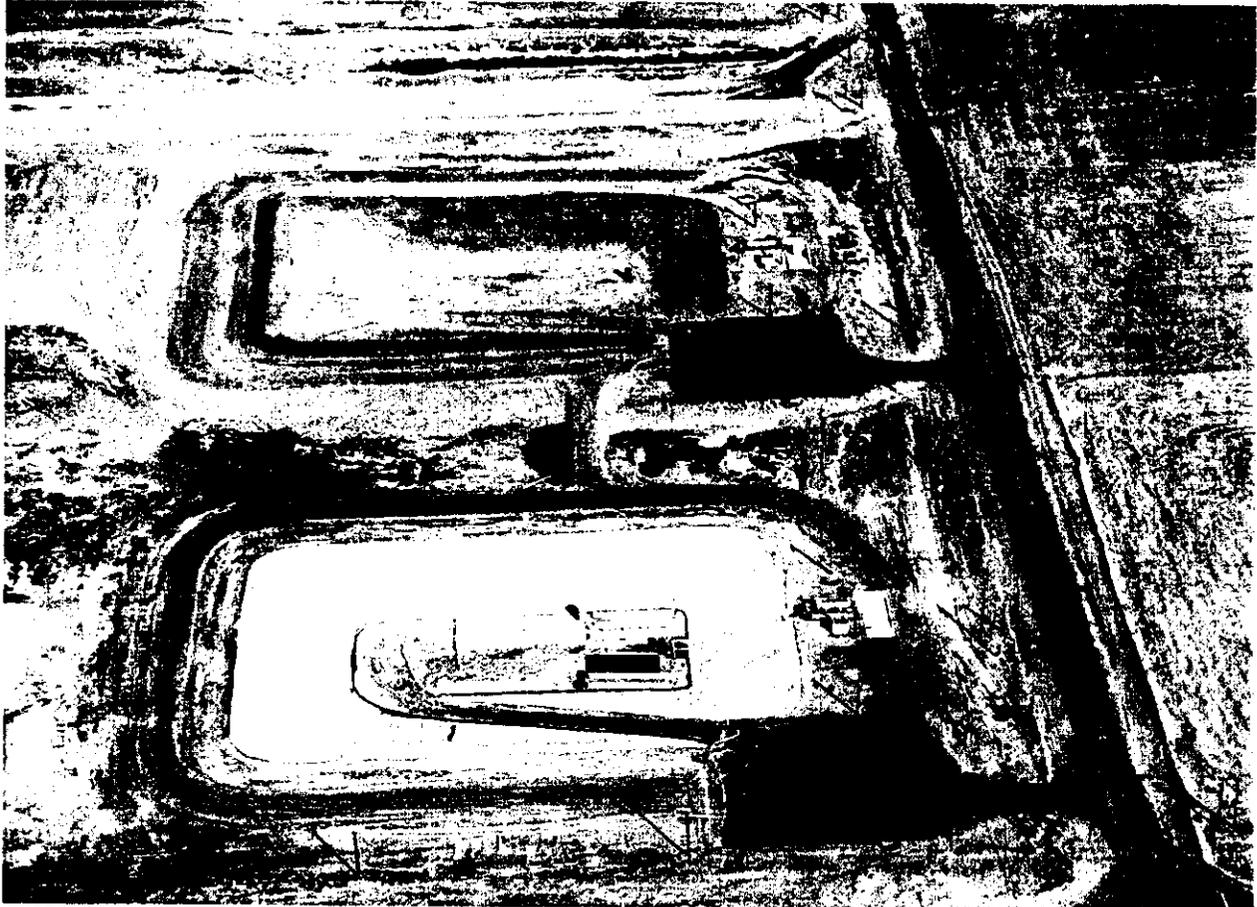
- x- Chain Link Fence
- xx- Chain Fence
- ||- Area Perimeter Fence
- + - Railroad Track
- (1A) Trench Number
- Regulated Mixed Waste Area



W and N numbers are Hanford Site Coordinate System points.

39502011.13Cag
3/95 Set 2 1987

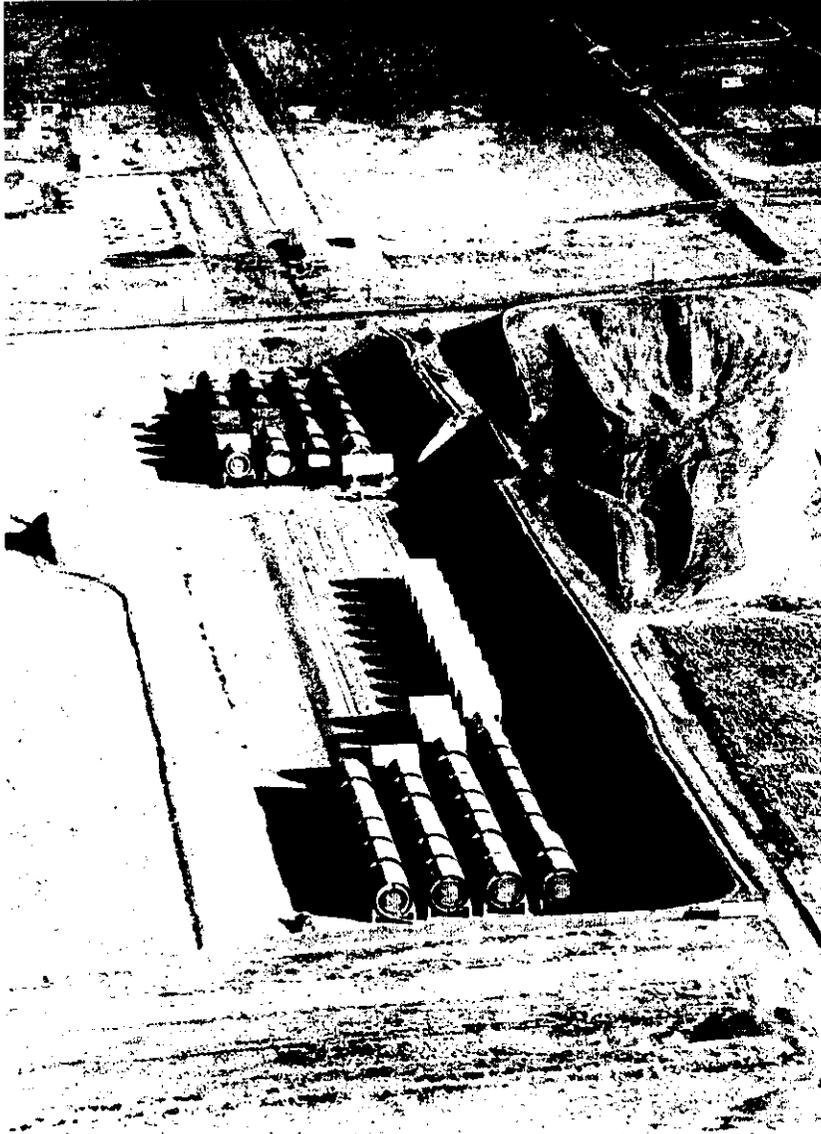
Lined Mixed Waste Trench 218-W-5/200 West Area



46°33'36"
119°38'24"

98030102-22CN
(Photo Taken 1998)

Reactor Compartment Trench 94



46°33'58"
119°31'06"

97110146-01CN
(Photo Taken 1997)

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

Revision

VOLUME 1

1.0	INTRODUCTION	
2.0	PERMITTING STATUS FOR DANGEROUS WASTE TREATMENT, STORAGE, AND/OR DISPOSAL UNITS	◆
3.0	FORM 1 - DANGEROUS WASTE PERMIT APPLICATION	
4.0	FORM 3 - DANGEROUS WASTE PERMIT APPLICATION	
4.1	100 AREA FACILITIES	
4.1.1	Treatment Facilities	
4.1.1.1	1324-N Surface Impoundment	3
4.1.1.2	105-DR Large Sodium Fire Facility	4
4.1.1.3	1706-KE Waste Treatment System	3
4.1.1.4	183-H Solar Evaporation Basins	4
4.1.2	Disposal Facilities	
4.1.2.1	1301-N Liquid Waste Disposal Facility	7
4.1.2.2	1325-N Liquid Waste Disposal Facility	7
4.1.2.3	1324-NA Percolation Pond	3
4.1.2.4	100-D Ponds	4
4.2	200 AREA FACILITIES	
4.2.1	Treatment Facilities	
4.2.1.1	221-T Containment Systems Test Facility	3
4.2.1.2	200 West Area Ash Pit Demolition Site--CLOSED 10/26/95	4
4.2.1.3	218-E-8 Borrow Pit Demolition Site--CLOSED 10/26/95	4
4.2.1.4	242-A Evaporator	7
4.2.1.5	Grout Treatment Facility	5
4.2.1.6	T Plant Complex	7
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	7
4.2.1.10	204-AR Waste Unloading Station	4
4.2.1.11	PUREX Plant	8
4.2.1.12	Hanford Waste Vitrification Plant	5
4.2.1.13	200 Area Effluent Treatment Facility	3
4.2.1.14	Waste Receiving and Processing	2
4.2.1.15	Plutonium Finishing Plant Treatment Unit	0

◆ = Revised this issue.

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

Revision

VOLUME 2

4.2.2	Storage Facilities		
4.2.2.1	2727-S Storage Facility--CLOSED 06/27/95		2
4.2.2.2	Double-Shell Tank System		8
4.2.2.3	Hexone Storage and Treatment Facility		3
4.2.2.4	2727-WA SRE Sodium Storage Building		1
4.2.2.5	PUREX Storage Tunnels		5
4.2.2.6	224-T Transuranic Waste Storage and Assay Facility		6
4.2.2.7	Central Waste Complex		5
4.2.2.8	Single-Shell Tank System		4
4.2.2.9	207-A South Retention Basin		2
4.2.2.10	Liquid Effluent Retention Facility		6
4.2.2.11	241-CX Tank System		3
4.2.2.12	Waste Encapsulation and Storage Facility		0
4.2.3	Disposal Facilities		
4.2.3.1	Low-Level Burial Grounds		11 ♦
4.2.3.2	216-S-10 Pond and Ditch		3
4.2.3.3	2101-M Pond--CLOSED 10/26/95		2
4.2.3.4	216-A-29 Ditch		3
4.2.3.5	216-B-3 Main Pond		5
4.2.3.6	216-B-63 Trench		3
4.2.3.7	216-A-10 Crib		3
4.2.3.8	216-U-12 Crib		3
4.2.3.9	216-A-36B Crib		1
4.2.3.10	216-A-37-1 Crib		2
4.2.3.11	216-B-3 Expansion Ponds--CLOSED 06/27/95		0

VOLUME 3

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

♦ = Revised this issue.

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

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

♦ = Revised this issue.

Please print or type in the unshaded areas only
 (Bl- 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 8 7

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

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

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><th>MO.</th><th>DAY</th><th>YR.</th></tr> <tr><td style="text-align: center;">03</td><td style="text-align: center;">22</td><td style="text-align: center;">43</td></tr> </table>	MO.	DAY	YR.	03	22	43	<p>FOR EXISTING FACILITIES, PROVIDE THE DATE (mo., day, & yr.) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left) * The date construction of the Hanford Facility commenced.</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><th>MO.</th><th>DAY</th><th>YR.</th></tr> <tr><td style="height: 20px;"></td><td style="height: 20px;"></td><td style="height: 20px;"></td></tr> </table>	MO.	DAY	YR.				<p>FOR NEW FACILITIES, PROVIDE THE DATE (mo., day, & yr.) OPERATION BEGAN OR IS EXPECTED TO BEGIN</p>
MO.	DAY	YR.													
03	22	43													
MO.	DAY	YR.													

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

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

III. PROCESSES - CODES AND CAPACITIES

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

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

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

PROCESS	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:			Treatment:		
CONTAINER (barrel, drum, etc.)	S01	GALLONS OR LITERS	TANK	T01	GALLONS PER DAY OR LITERS PER DAY
TANK	S02	GALLONS OR LITERS	SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS	INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS	OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided: Section III-C.)	T04	GALLONS PER DAY OR LITERS PER DAY
Disposal:					
INJECTION WELL	D80	GALLONS OR LITERS			
LANDFILL	D81	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER ACRES OR HECTARES			
LAND APPLICATION	D82	GALLONS PER DAY OR LITERS PER DAY			
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	O
GALLONS PER DAY	U	LITERS PER HOUR	H		

EXAMPLE FOR COMPLETING SECTION III (shown in line numbers X-1 and X-2 below): A facility has two storage tanks; one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

LINE NUMBER	A. PRO-CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY	LINE NUMBER	A. PRO-CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY
		1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)				1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)	
X-1	S 0 2	600	G		5				
X-2	T 0 3	20	E		6				
1	S99	3,785,400	L		7				
2	T04	8830	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.

S99

Process Code S99 (referenced in 40 CFR 265, Appendix I, Table 2) is being used to identify the storage activity in the 600 Area Purgewater Storage and Treatment Facility. The facility is permitted per WAC 173-303-400 Interim Status Facility Standards as a chemical, physical, and biological treatment unit per Subpart Q of 40 CFR Part 265 Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities.

The 600 Area Purgewater Storage and Treatment Facility consists of two above-ground modular containment units. Only one unit is in use. The process design for storage in this single unit is 3,785,400 liters. The second unit has never been used.

T04

Solar evaporation. Approximately 8,800 liters per day can be treated by solar evaporation in the single modular containment unit. This estimate is based on evaporation rates calculated for the Hanford Facility.

IV. DESCRIPTION OF DANGEROUS WASTES

A. DANGEROUS WASTE NUMBER - Enter the four digit number from Chapter 173-303 WAC for each listed dangerous waste you will handle. If you handle dangerous wastes which are not listed in Chapter 173-303 WAC, enter the four digit number(s) that describes the characteristics and/or the toxic contaminants of those dangerous wastes.

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

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

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

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

D. PROCESSES

1. PROCESS CODES:

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

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

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

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

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

1. Select one of the Dangerous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.

2. In column A of the next line enter the other Dangerous Waste Number that can be used to describe the waste. In column D(2) on that line enter "Included with above" and make no other entries on that line.

3. Repeat step 2 for each other Dangerous Waste Number that can be used to describe the dangerous waste.

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

LINE NO.	A. DANGEROUS WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES									
							1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))					
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 the front.

IV. DESCRIPTION OF DANGEROUS WASTE (continued)

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

Liquids associated with well activities and other processes are stored and treated by solar evaporation in the 600 Area Purgewater Storage and Treatment Facility. Raw water may be added to the unit for operational purposes.

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

All existing facilities must include in the space provided on page 3 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

LATITUDE (degrees, minutes, & seconds)				LONGITUDE (degrees, minutes, & seconds)			
46	33	51		-119	30	15	

VIII. FACILITY OWNER

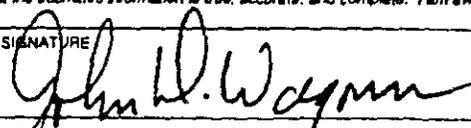
A. If the facility owner is also the facility operator as listed in Section VII on Form 1, "General Information," place an "X" in the box to the left and skip to Section XI below.

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

1. NAME OF FACILITY'S LEGAL OWNER			2. PHONE NO. (area code & no.)		
3. STREET OR P.O. BOX			4. CITY OR TOWN		5. ST.
					6. ZIP CODE

IX. OWNER CERTIFICATION

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

NAME (print or type) John D. Wagoner, Manager U.S. Department of Energy Richland Operations Office	SIGNATURE 	DATE SIGNED 9/11/98
---	---	------------------------

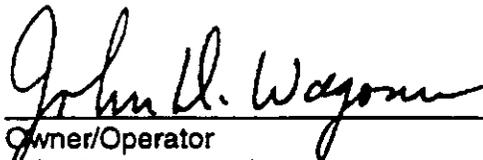
X. OPERATOR CERTIFICATION

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

NAME (print or type) See Page 5 of 7	SIGNATURE	DATE SIGNED
---	-----------	-------------

X. OPERATOR CERTIFICATION

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



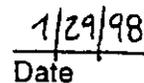
Owner/Operator
John D. Wagoner, Manager
U.S. Department of Energy
Richland Operations Office



Date

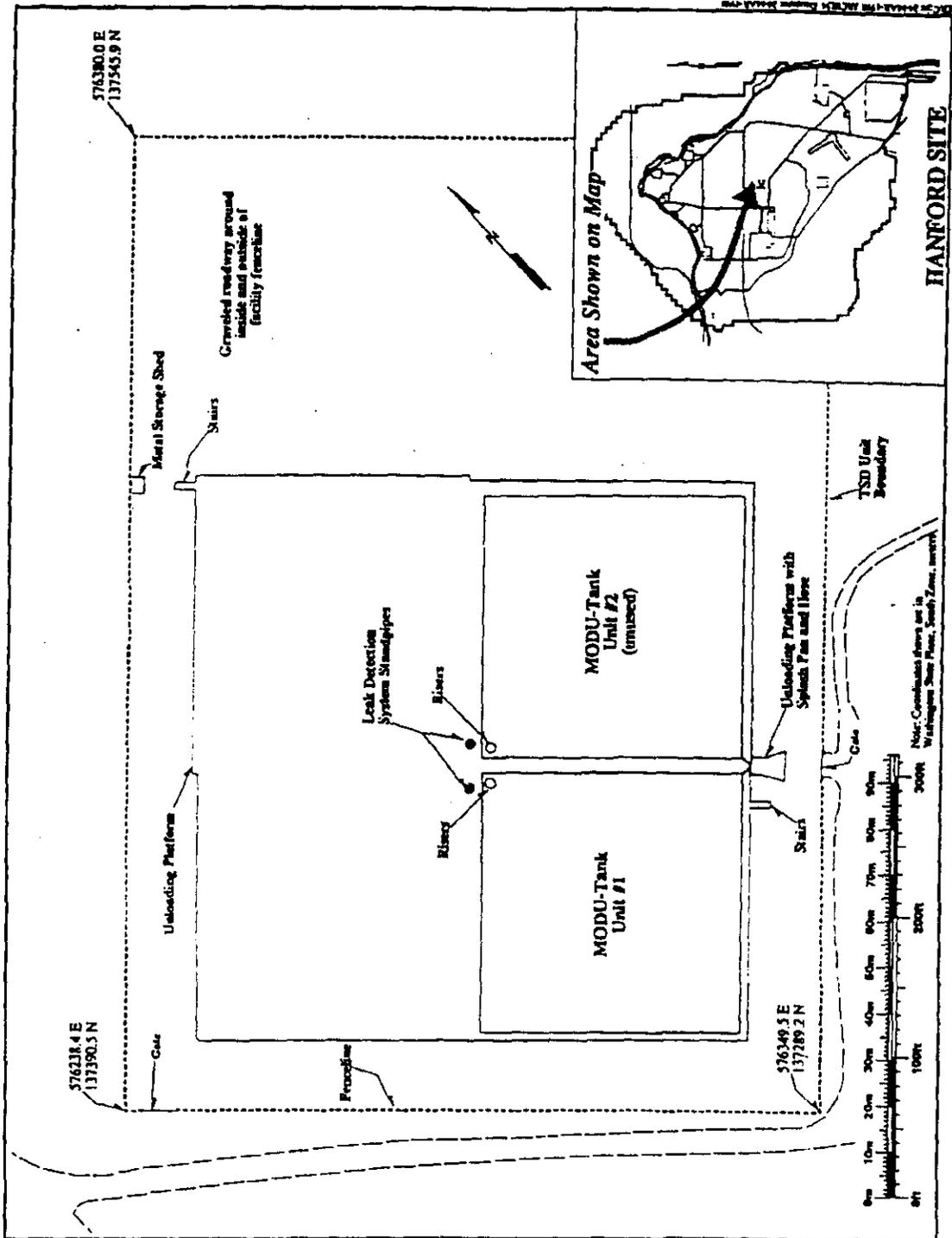


Co-operator
S. D. Liedle, President
Bechtel Hanford, Inc.



Date

600 AREA PURGEWATER STORAGE AND TREATMENT FACILITY SITE PLAN



600 AREA PURGE WATER STORAGE AND TREATMENT FACILITY



46°45'33"
119°45'33"

80122121 30X
PHOTO TAKEN 10/89