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	Title: HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION
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Please update your manual with the attached pages, sign, date, and return this sheet. If you no longer require the document, please return the document, with this sheet, to the address below.

Name: DP Isom Date: 10/6/99

Hazardous Waste Services
L4-97

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

Revision

VOLUME 1

♦ = Revised this issue.

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

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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 isposal 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							02/22/99
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	08/26/99	7							
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	06/28/99	3	05/22/98	1					
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

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.	
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							02/22/99
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	06/28/99	6	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 Faclity	FDH	200E	S	M	12	6	12/19/97	12/19/97	0							
IHLW Interim Storage Unit	FDH	200E	S	M	1	12	06/28/99	06/28/99	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
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

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 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
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			

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.	
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

[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.

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

[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 APROVED	DATE RECEIVED *(mo., day, & yr.)*	COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA/STATE I.D. Number, or if this is a revised application, enter your facility's EPA/STATE I.D. Number in Section I above.

A. FIRST APPLICATION *(place an "X" below and provide the appropriate date)*

☐ 1. EXISTING FACILITY *(See instructions for definition of "existing" facility. Complete item below.)*

MO.	DAY	YR.
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.

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

MO.	DAY	YR.

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

B. REVISED APPLICATION *9place an "X" below and complete Section I above)*

☒ 1. FACILITY HAS AN INTERIM STATUS PERMIT

☒ 2. FACILITY HAS A FINAL PERMIT

III. PROCESSES – CODES AND CAPACITIES

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

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

1. AMOUNT – Enter the amount.

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

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

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

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

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

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

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

LINE NUMBER	A. PROCESS CODE *(from list above)*	B. PROCESS DESIGN CAPACITY 1. AMOUNT *(specify)*	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE *(enter code)*	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE *(from list above)*	B. PROCESS DESIGN CAPACITY 1. AMOUNT *(specify)*	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE *(enter code)*	FOR OFFICIAL USE ONLY
X-1	S02	600	G		5				
X-2	T03	20	E		6				
1	S02	811,280	L		7				
2	T01	107,126	V		8				
3	S01	51,008	L		9				
4	S06	35,170	C		10				

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.

Refer to the following pages.

IV. DESCRIPTION OF DANGEROUS WASTES

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

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

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

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

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

D. PROCESSES

1. PROCESS CODES:

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

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

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

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

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

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

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

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

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

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

B Plant, which was constructed in 1943 and began operation in April of 1945, is located in the northwestern portion of the 200 East Area. The first mission for B Plant was the recovery of plutonium using a bismuth phosphate chemical separation process (1945 to 1952). In the early 1960's, B Plant was modified for a second mission, the recovery and purification of cesium and strontium. The cesium and strontium were encapsulated and stored in the Waste Encapsulation and Storage Facility (WESF).

Presently, the B Plant Complex consists of the main facility (221-B) and various support structures (page 12 of 21). The B Plant Complex contains four dangerous waste storage and/or treatment tank systems, Cell 4 container storage, and containment building storage. Most waste handling activities were conducted in the 221-B Building. The 221-B Building used a remote process cell design to house the process tanks and associated equipment. A typical cell is 5.5 meters long by 3.9 meters wide by 8.5 meters deep. Each cell is covered with four concrete cover blocks. In addition, the 221-B Building is made of reinforced concrete and is 259.1 meters long by 20.7 meters wide by 22.5 meters high, covering an area of 5,369.8 square meters. Additional operations also were carried out in the 221-BB Building, the 221-BF Facility, and the 276-BA Facility. (Refer to vessel listing, page 5 of 21.)

S02/T01

NEUTRALIZED CURRENT ACID WASTE (NCAW) TREATMENT AND STORAGE SYSTEM: The NCAW treatment and storage system is located in the 221-B Building. The NCAW was transferred to the B Plant Complex (221-B Building) for the Tank Waste Remediation pretreatment project. The NCAW inventory was transferred back to the Double-Shell Tank (DST) System in May 1993 after the Tank Waste Remediation pretreatment project was canceled. Although no waste currently is being stored or treated, and there is no intention of future storage or treatment of any waste in this tank system, the system is included to reflect past operations. (Refer to vessel listing, page 5 of 21.)

LOW-LEVEL WASTE (LLW) TREATMENT AND STORAGE SYSTEM: The LLW treatment and storage system is located within the 221-B Building. Treatment of low-level waste (to meet DST System acceptance standards) includes the addition of sodium hydroxide until the pH is greater than 12.0. Treatment also includes the addition of sodium nitrite until the nitrite concentration is above 600 parts per million and any other chemicals required to meet the acceptance criteria. The low-level waste tank storage was intended for waste generated at the 221-B Building and WESF that was not be transferred within 90 days to the DST System. There is no intent or plan to store low-level waste at the 221-B Building from other sources. Although no waste currently is being stored or treated, and there is no intention of future storage or treatment of any waste in this tank system, the system is included to reflect past operations. (Refer to vessel listing, page 5 of 21.)

LOW-LEVEL WASTE CONCENTRATOR: The low-level waste concentrator (formerly known as the single-stage thermal siphon reboiler), located in Cell 23 of the 221-B Building, was operated to concentrate the low-level waste in the low-level waste storage and treatment tank system. The low-level waste concentrator is a thermal siphon and shell and tube heat exchanger. This system currently is inactive with no intention of resuming operation and is included to reflect past operations. (Refer to vessel listing, page 5 of 21.)

ORGANIC MIXED WASTE STORAGE: The organic mixed waste storage tank system was used to store organic used in recovery and purification of strontium and cesium. The system consists of vessels located in the 221-B Building and in 276-BA Facility. The organic mixed waste was transferred to an off-site TSD facility for disposal by incineration in late 1997. This system currently is inactive with no intention of resuming operation and is included to reflect past operations. (Refer to vessel listing, page 5 of 21.)

ISO WEST TANK CLOSURE: The 276-BA Facility was constructed with two identical storage tanks. Of these two tanks, the ISO West tank never managed organic mixed waste. In 1998, the ISO West tank was administratively closed (98-EAP-136, Letter, James E. Rasmussen, RL, to R. E. Skinnarland, Ecology, CERTIFIED ISO WEST INTERIM ORGANIC STORAGE TANK (ISO WEST TANK) ADMINISTRATIVE CLOSURE TECHNCIAL DATA SYNOPSIS (TSD: TS-2-3), dated March 4, 1998; Letter, Shri Mohan, Ecology, to James Rasmussen, RL, RE: APPROVAL OF THE PROCEDURAL CLOSURE OF THE B PLANT INTERNATIONAL STANDARDS ORGANIZATION (ISO) WEST TANK ADMINISTRATIVE CLOSURE, dated October 20, 1998). The ISO West tank has been removed from the B Plant Complex for use elsewhere on the Hanford site.

S02/T01 (cont)

MISCELLANEOUS TANKS STORAGE SYSTEM: The miscellaneous tanks are located in the 221-B Building, the 221-BB Building, and the 221-BF Facility. The miscellaneous tanks in the B Plant Complex that managed mixed waste after the 1987 date of regulation for mixed waste in the state of Washington are identified on the B Plant Complex Vessel Table. This system currently is inactive with no intention of using these tanks for future waste management activities. This system is included to reflect past operations. (Refer to vessel listing, page 5 of 21.)

S01

CELL 4 CONTAINER STORAGE: The 221-B Building Cell 4 containerized waste storage unit is used for the storage of 208-liter (55-gallon) containers. Waste stored in Cell 4 containers consists of solid mixed waste with no free liquids. Waste stored in Cell 4 includes light bulbs with lead solder. There is no intent to receive additional waste in Cell 4. The maximum design capacity for container storage is 51,008 liters.

S06

CONTAINMENT BUILDING/STORAGE: The designation S06 (containment building/storage) has been used to indicate that the solid mixed waste stored in the 221-B Building (on the canyon deck and in various cells) is considered to be in a containment building subject to the requirements of 40 CFR 265, Subpart DD and WAC 173-303-400(3)(a). The solid mixed waste consists of radioactively contaminated failed canyon process equipment, jumpers and lead shielding materials. The failed canyon process equipment and jumpers (or isolated components thereof) contain lead used as weights, counterweights, or radioactive shielding. The lead shielding materials include lead blankets, lead sheets, lead bricks, and lead window glass. The solid mixed waste also could be contaminated with residues from the processing of tank waste. Future additions of waste to the containment building will be restricted to the types of waste described above. The maximum storage capacity is 35,170 cubic meters.

B PLANT COMPLEX VESSEL TABLE

NEUTRALIZED CURRENT ACID WASTE (NCAW) TREATMENT AND STORAGE SYSTEM		
Vessel ID	Location	Capacity (liters)
TK-6-2	221-B, Cell 6	19,684
TK-7-1	221-B, Cell 7	19,306
TK-7-2	221-B, Cell 7	18,927
TK-8-1	221-B, Cell 8	19,684
TK-8-2	221-B, Cell 8	19,684
TK-13-1	221-B, Cell 13	15,142
TK-14-2	221-B, Cell 14	14,763
TK-29-3	221-B, Cell 29	15,520
TK-39-2	221-B, Cell 39	6,814
TK-39-5	221-B, Cell 39	7,571
LOW-LEVEL WASTE (LLW) TREATMENT AND STORAGE SYSTEM		
Vessel ID	Location	Capacity (liters)
TK-9-1	221-B, Cell 9	19,684
TK-9-2	221-B, Cell 9	19,684
TK-10-1	221-B, Cell 10	37,839
TK-24-1	221-B, Cell 24	52,616
TK-25-1	221-B, Cell 25	18,548
TK-25-2	221-B, Cell 25	18,548
TK-26-3	221-B, Cell 26	9,922
TK-39-1	221-B, Cell 39	13,120
NCAW and LLW storage capacity*		347,056
NCAW and LLW treatment capacity*		79,493 per day

LOW-LEVEL WASTE (LLW) CONCENTRATOR		
Vessel ID	Location	Capacity (liters)
E-23-3	221-B, Cell 23	11,356
E-23-3-1	221-B, Cell 23	0
E-23-3-2	221-B, Cell 23	0
D-23-2	221-B, Cell 23	0
E-23-4	221-B, Cell 23	0
TK-23-1	221-B, Cell 23	2,990
Storage capacity*		14,346
Treatment capacity*		27,633 per day

ORGANIC MIXED WASTE STORAGE SYSTEM		
Vessel ID	Location	Capacity (liters)
TK-26-1	221-B, Cell 26	14,763
TK-27-2	221-B, Cell 27	7,571
TK-27-3	221-B, Cell 27	14,385
TK-27-4	221-B, Cell 27	1,060
TK-28-3	221-B, Cell 28	14,385
TK-28-4	221-B, Cell 28	1,060
TK-29-4	221-B, Cell 29	492
TK-30-3	221-B, Cell 30	15,520
ISO EAST	276-BA	17,500
Storage capacity*		86,736

MISCELLANEOUS TANK SYSTEM		
Vessel ID	Location	Capacity (liters)
E-5-2	221-B, Cell 5	1,639
TK-17-1	221-B, Cell 17	18,700
TK-17-2	221-B, Cell 17	18,908
T-18-2	221-B, Cell 18	11,761
TK-18-3	221-B, Cell 18	2,794
E-20-2	221-B, Cell 20	1,552
TK-21-1	221-B, Cell 21	53,272
TK-22-1	221-B, Cell 22	1,775
T-28-1	221-B, Cell 28	2,642
TK-29-2	221-B, Cell 29	15,077
T-30-1	221-B, Cell 30	2,634
TK-32-1	221-B, Cell 32	15,024
TK-33-1	221-B, Cell 33	53,211
TK-34-2	221-B, Cell 34	15,520
TK-35-2	221-B, Cell 35	15,002
TK-36-1	221-B, Cell 36	15,547
TK-100	221-B, Canyon Deck	15,122
BCP	221-BB	2,271
BCS	221-BB	2,271
221-BF-A	221-BF	49,210
221-BF-B	221-BF	49,210
Storage capacity*		363,142

* Treatment and storage capacities are provided to reflect past operations. Current and/or future B Plant activities do not propose utilization of treatment or storage capacity beyond what has been agreed to for facility transition purposes under Section 8 of the Hanford Federal Facility Agreement and Consent Order.

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)*

	A	7	8	9	0	0	0	8	9	6	7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*				D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	D008	6,804	K	S01				Storage - Container
2	WT01							
3	WT02							Included with above.
4	D002	6,804	K	S06				Containment Building/Storage
5	D004							
6	through							
7	D011							
8	F001							
9	through							
10	F005							
11	WT01							
12	WT02							Included with above.
13	D002	375,627*	K	S02				Storage - Tank
14	D004							
15	through							
16	D011							
17	F001							
18	through							
19	F005							
20	WT01							
21	WT02							Included with above.
22	* The quantity of waste represents past operational activities. There are no plans to use these vessels for mixed waste activities.							
23								
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)*

	A	7	8	9	0	0	0	8	9	6	7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*				D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	D002	90,992*	K	T01				Treatment - Tank
2	D004							
3	through							
4	D011							
5	F001							
6	through							
7	F005							
8	WT01							
9	WT02							Included with above.
10	* The quantity of waste represents past operational activities. There are no plans to use these vessels for mixed waste activities.							
11	D002	1,085,878**	K	S02	T01			Storage - Tank/Treatment-Tank
12	D004							
13	through							
14	D011							
15	F001							
16	through							
17	F005							
18	WT01							
19	WT02							Included with above.
20	** The quantity of waste represents past operational activities. There are no plans to use these vessels for mixed waste activities.							
21								
22								
23								
24								
25								
26								

Continued from the front.

V. 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

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

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

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

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

IX. OWNER CERTIFICATION

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

NAME *(print or type)*	SIGNATURE	DATE SIGNED
Keith A. Klein, Manager U.S. Department of Energy Richland Operations Office		8/26/99

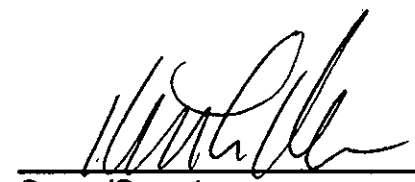
X. OPERATOR CERTIFICATION

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

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

X: OPERATOR CERTIFICATION

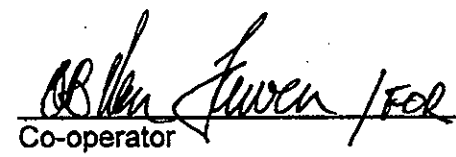
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true,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



8/26/99

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

Date

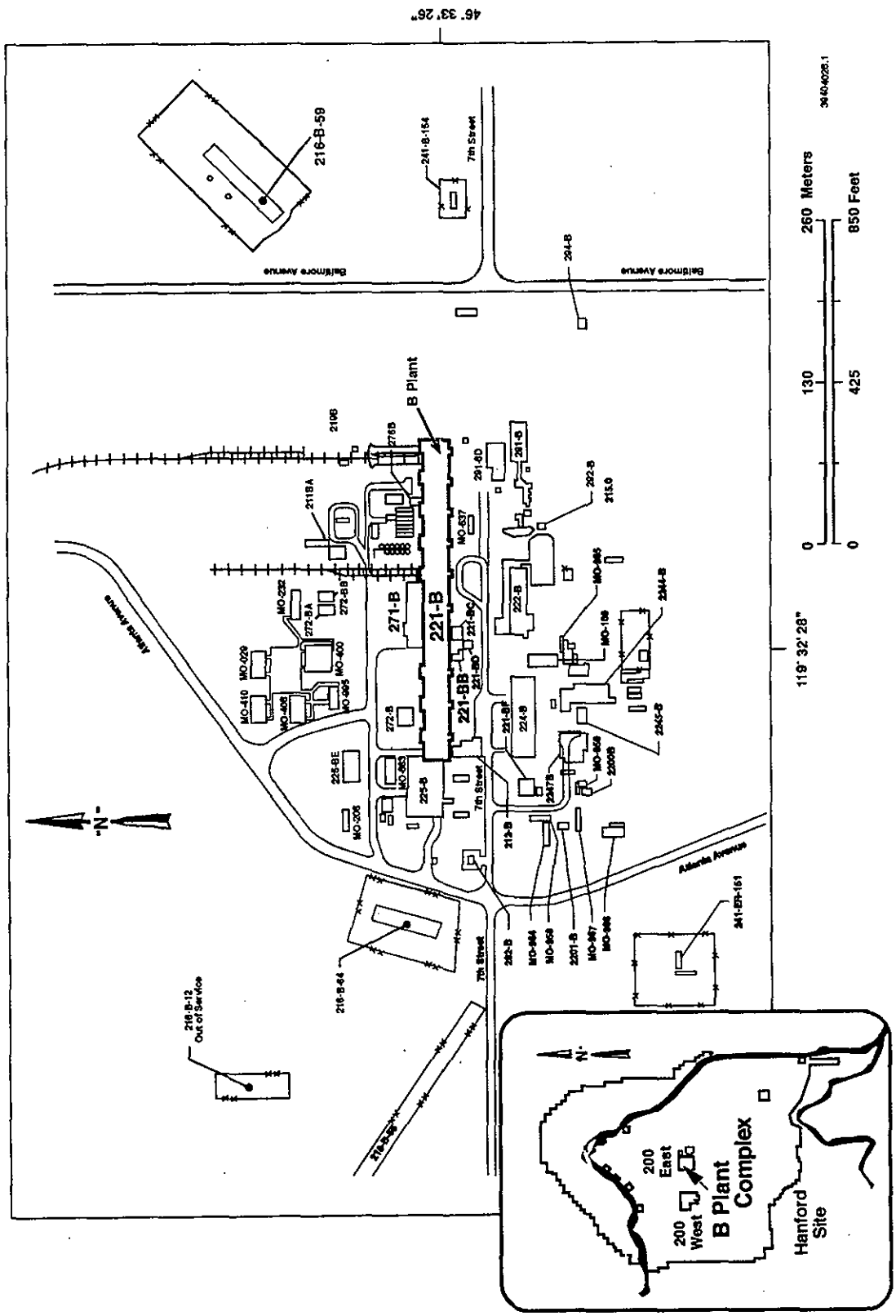


8-10-99

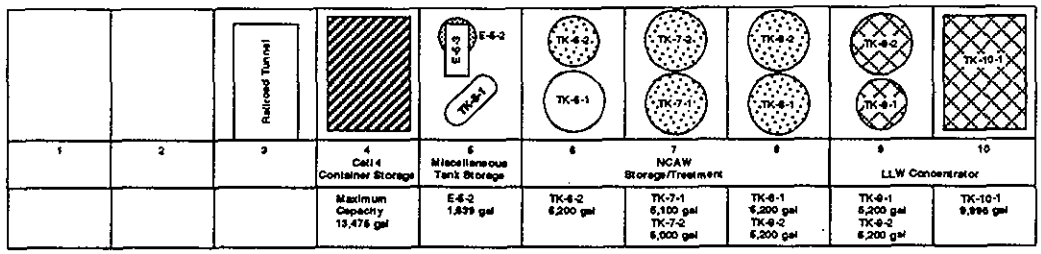
Co-operator
R. D. Hanson
President and
Chief Executive Officer
Fluor Daniel Hanford, Inc.

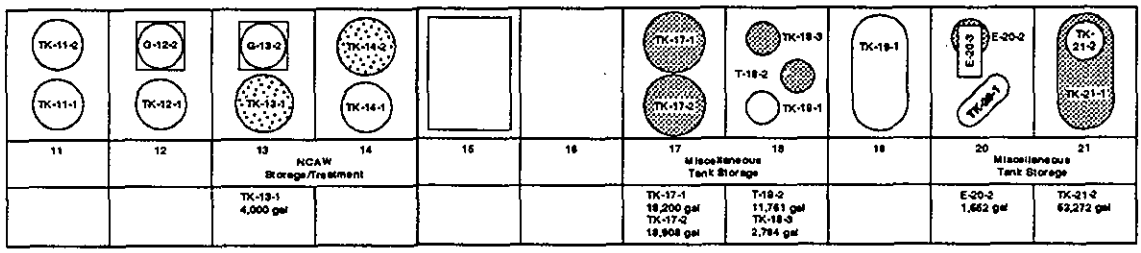
Date

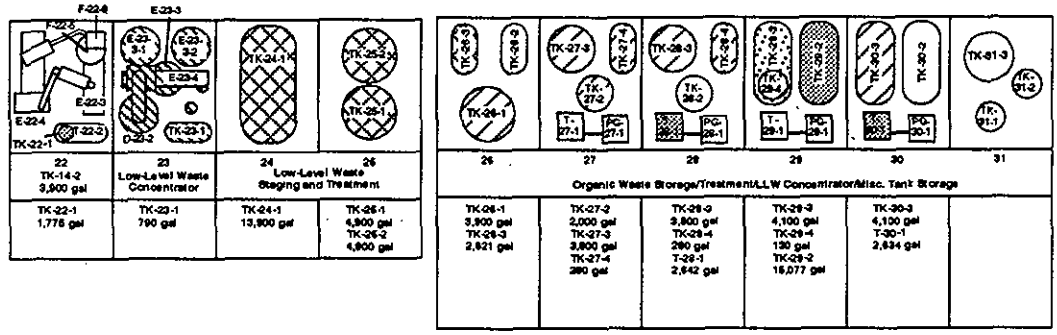
B Plant Complex Site Plan

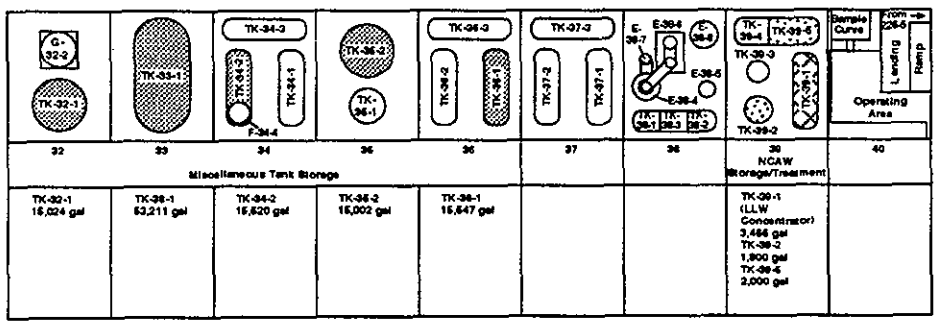


221-B Building Process Cells









Key:

NCAW = neutralized current acid waste
gal = gallon
D = deentrainer
E = heat transfer equipment
F = filter
G = centrifuge
P = pump
PG = pulse generator
T = tower
TK = tank

Low-Level Waste Storage and Treatment

Low-Level Waste Concentrator

NCAW Storage/Treatment Tank System

Organic Waste Storage

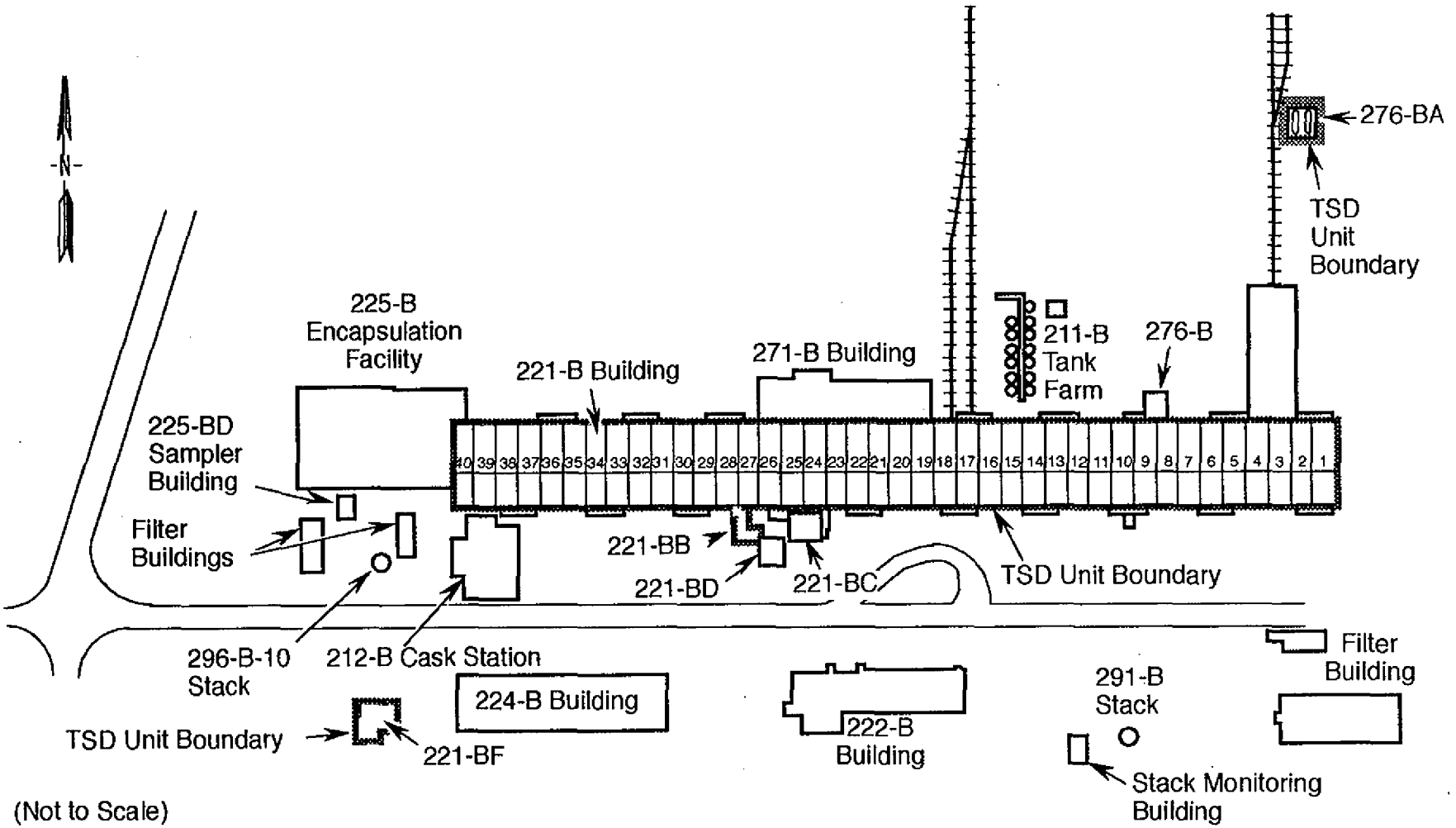
Miscellaneous Tank Storage

Container Storage

For conversion to liters, multiply gallons by 3.7854.

39402094.1R2

B Plant Complex TSD Unit Boundary

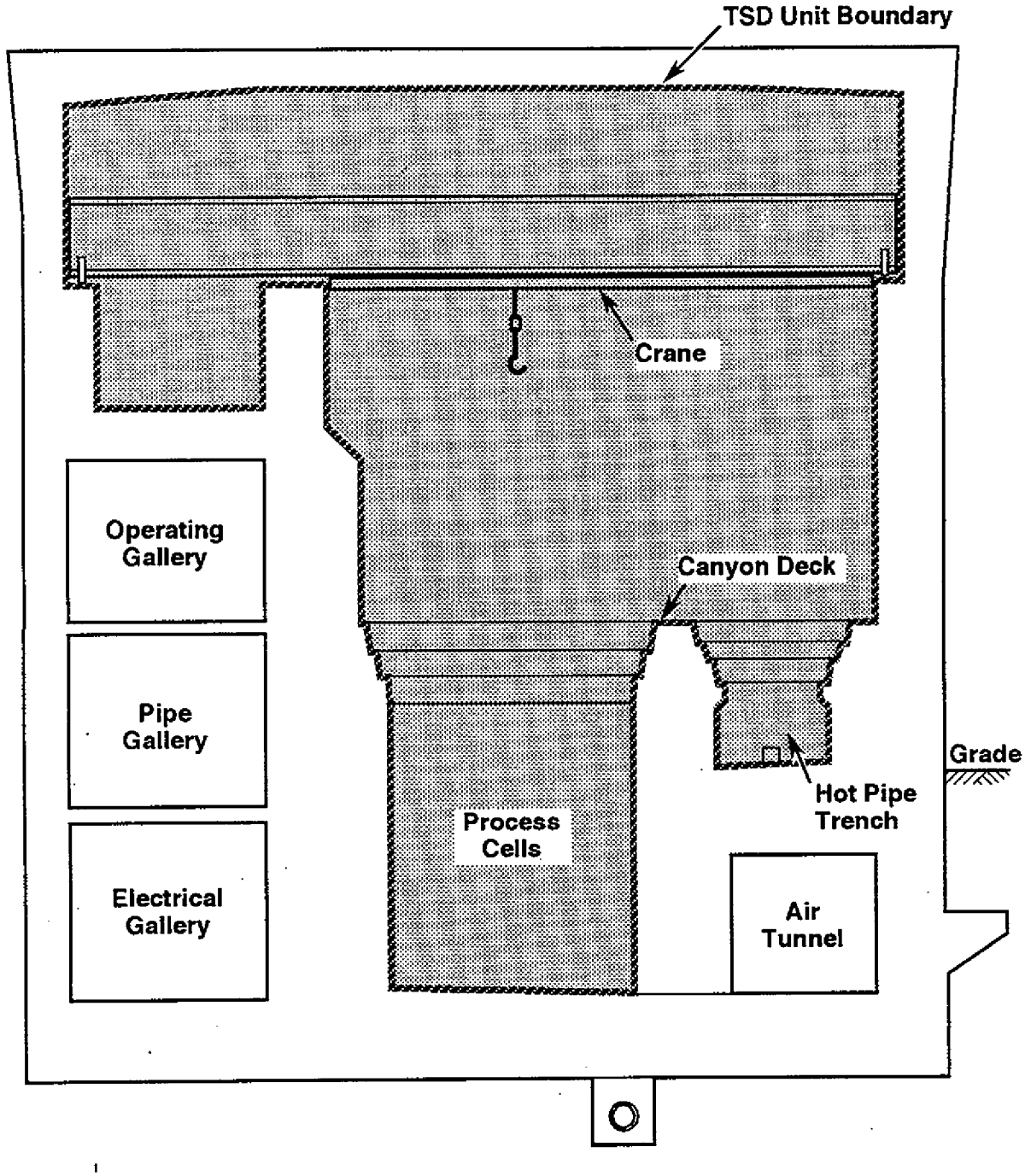


(Not to Scale)

Note: 221-BB, 221-BF, and 276-BA are included in the TSD Unit Boundary.

H95110328.3R1

221-B Building TSD Unit Boundary (typical cross-sectional view)



Not to Scale

Note: Shaded portions denote areas that are within the TSD Unit Boundary

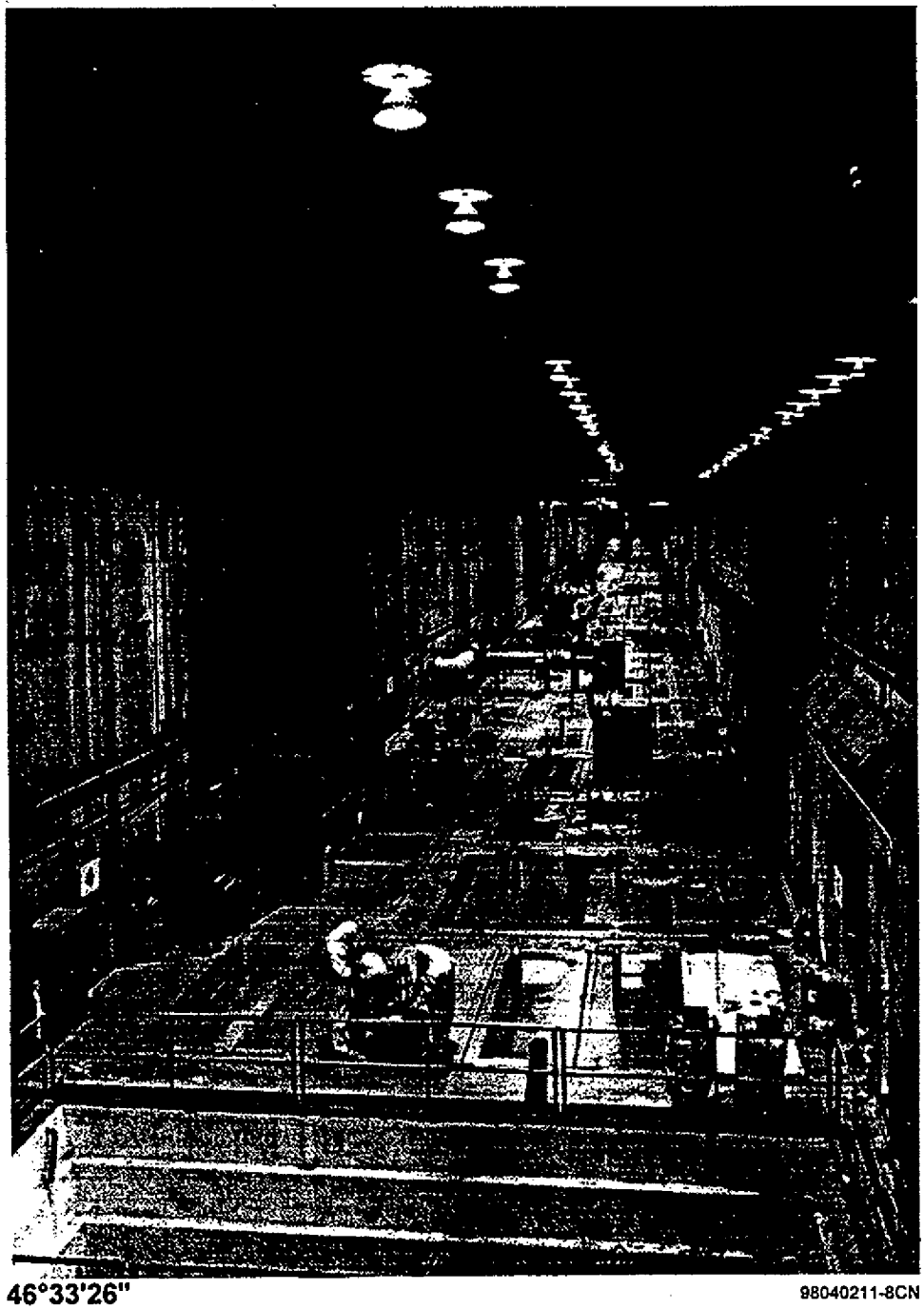
H96030202.1R1

B Plant Complex
Aerial View

46°33'26"
119°32'28"

98070285-72CN
(PHOTO TAKEN 1998)

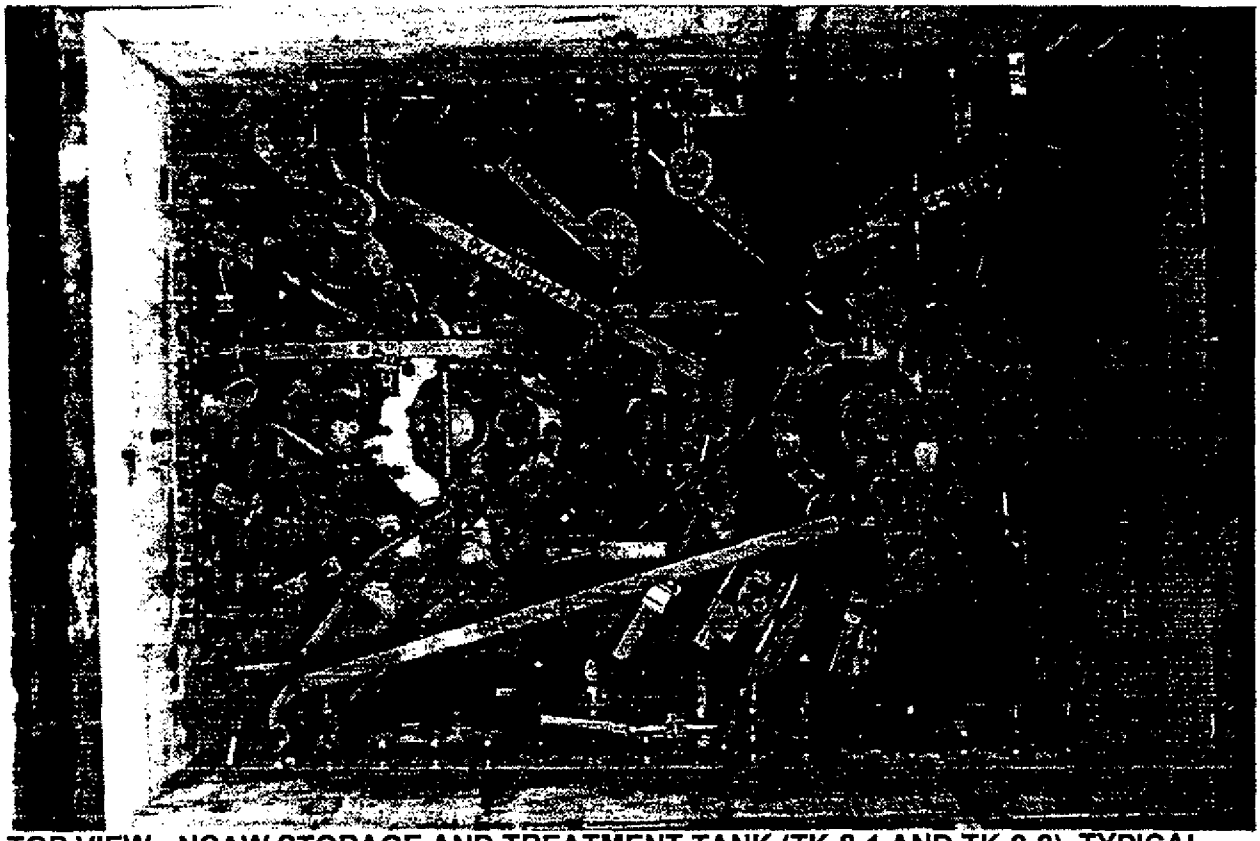
221-B Building Canyon



46°33'26"
119°32'28"

98040211-8CN
(PHOTO TAKEN 1998)

221-B Building
Cell 8

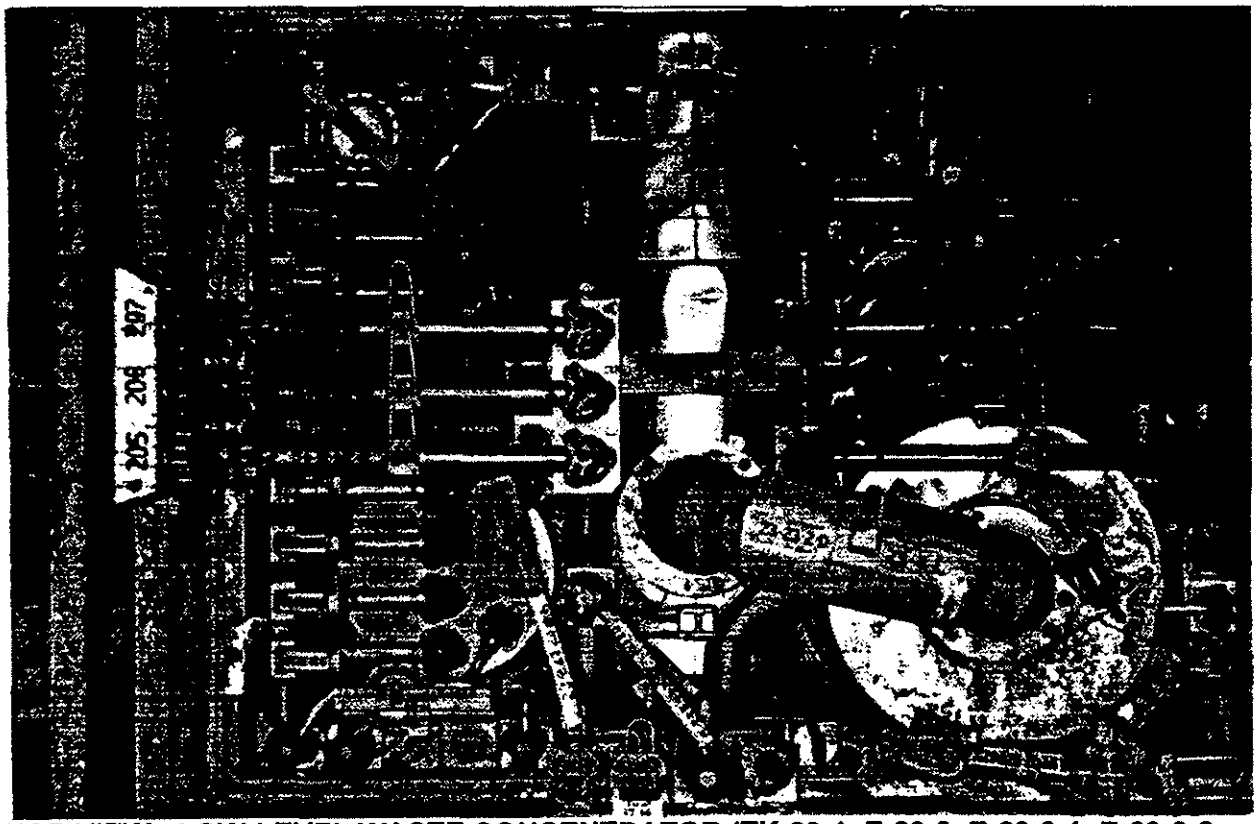


TOP VIEW - NCAW STORAGE AND TREATMENT TANK (TK-8-1 AND TK-8-2), TYPICAL CANYON CELL

46°33'26"
119°32'28"

83107243-11CN
(PHOTO TAKEN 1983)

221-B Building
Cell 23

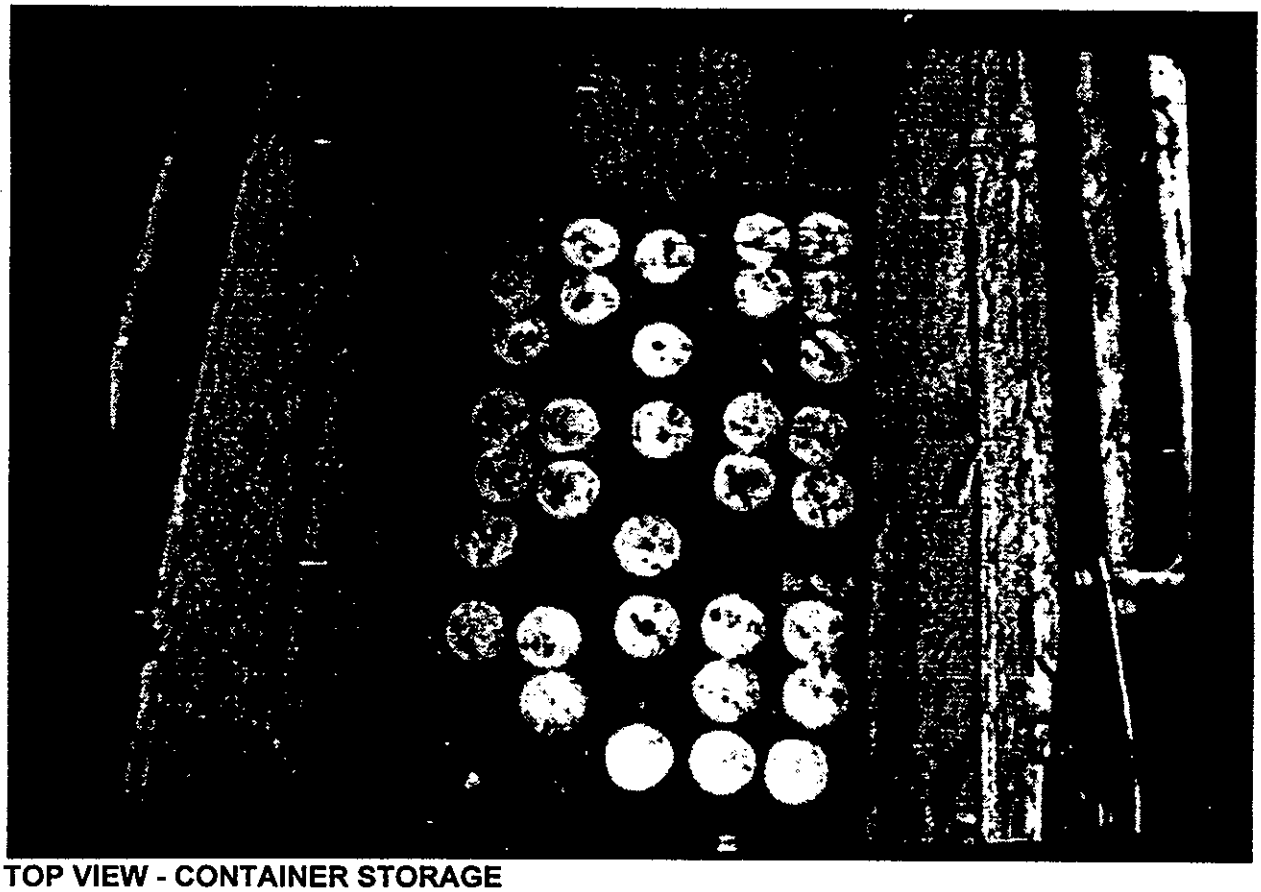


TOP VIEW - LOW-LEVEL WASTE CONCENTRATOR (TK-23-1, E-23-3, E-23-3-1, E-23-3-2, E-23-4, AND D-23-2)

46°33'26"
119°32'28"

83107243-40CN
(PHOTO TAKEN 1983)

221-B Building
Cell 4

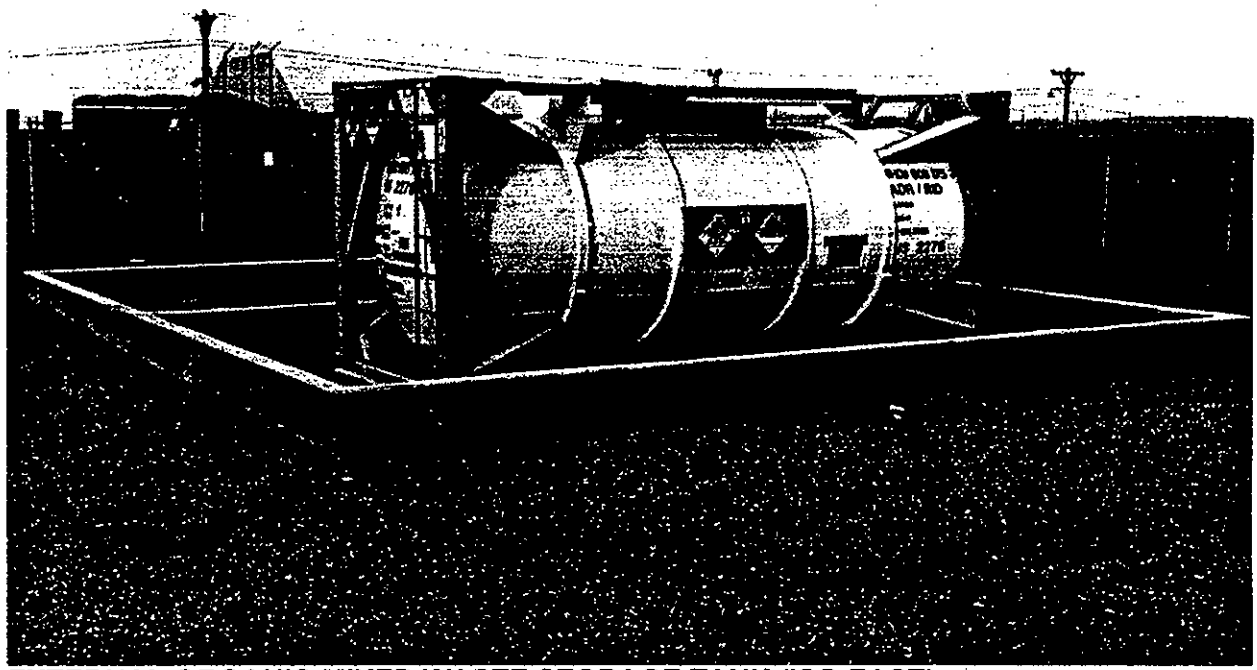


TOP VIEW - CONTAINER STORAGE

46°33'26"
119°32'28"

94040656-5CN
(PHOTO TAKEN 1994)

276-BA Facility
Organic Mixed Waste Storage System

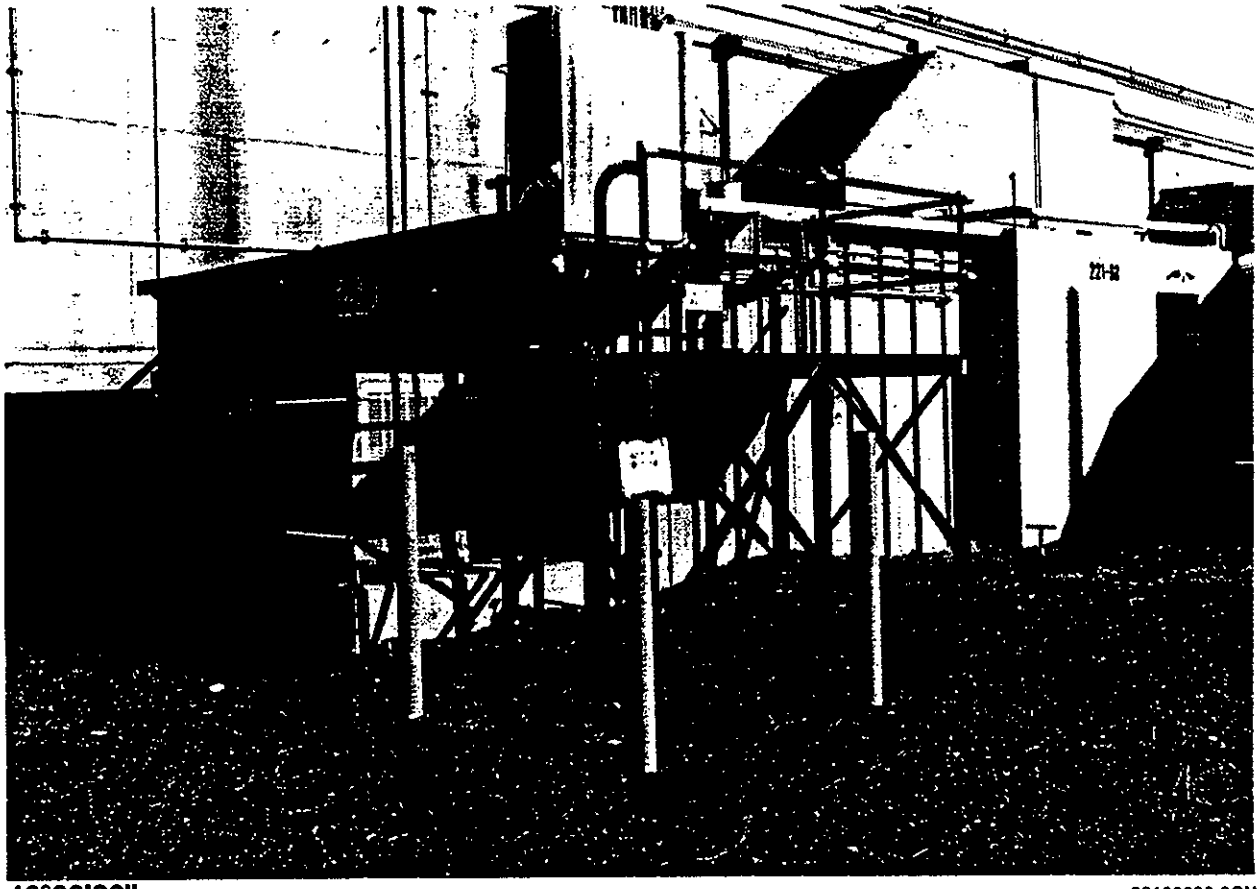


EXTERNAL ORGANIC MIXED WASTE STORAGE TANK (ISO EAST)

46°33'26"
119°32'28"

98110220-7CN
(PHOTO TAKEN 1998)

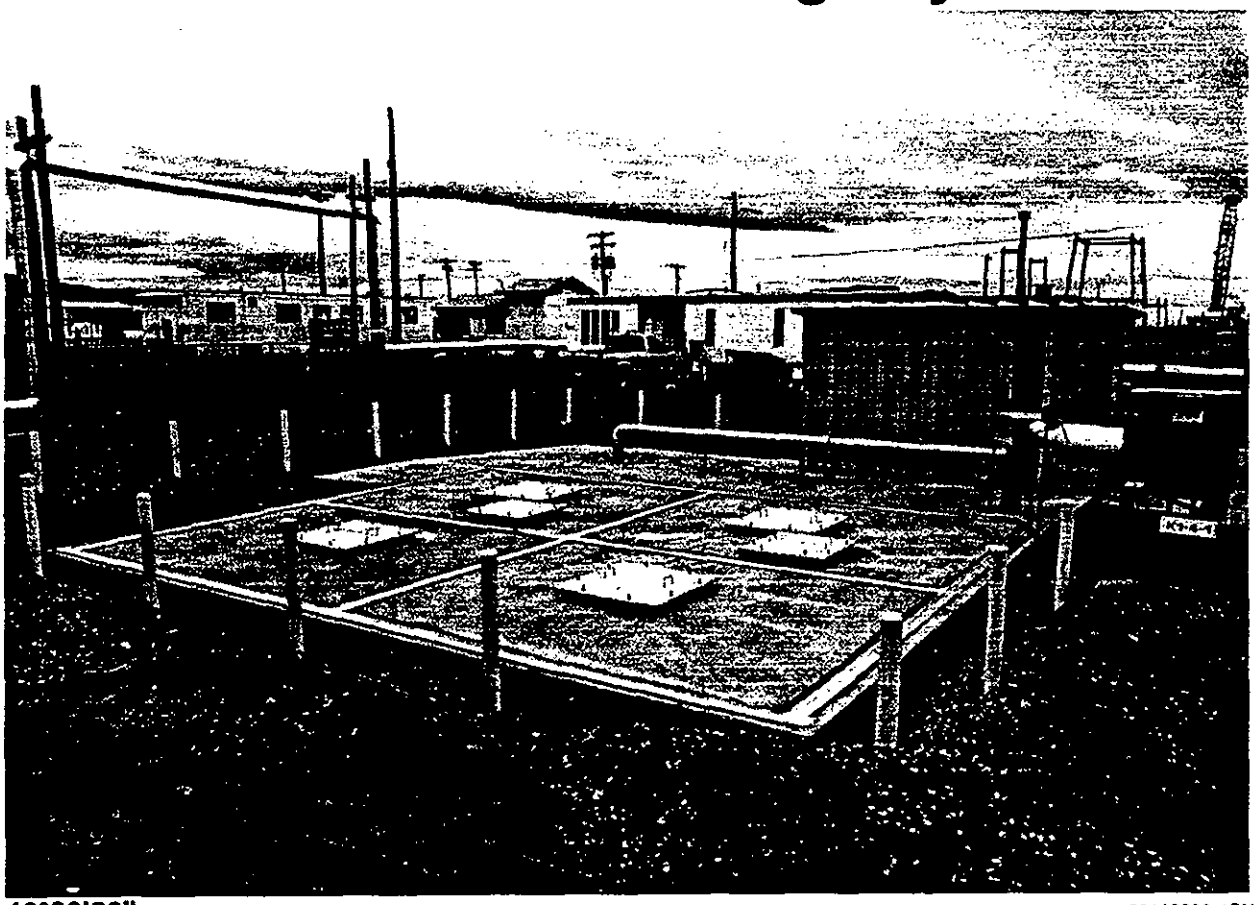
221-BB Building
Miscellaneous Tank Storage System



46°33'26"
119°32'28"

98100330-8CN
(PHOTO TAKEN 1998)

221-BF Facility
Miscellaneous Tank Storage System



46°33'26"
119°32'28"

98110220-4CN
(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: W A 7 8 9 0 0 0 8 9 6 7

FOR OFFICIAL USE ONLY

APPLICATION APROVED	DATE RECEIVED *(mo., day, & yr.)*	COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. if this is your first application and you already know your facility's EPA/STATE I.D. Number, or if this is a revised application, enter your facility's EPA/STATE I.D. Number in Section I above.

A. FIRST APPLICATION *(place an "X" below and provide the appropriate date)*

☐ 1. EXISTING FACILITY *(See instructions for definition of "existing" facility. Complete item below.)*

MO.	DAY	YR.
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.

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

MO.	DAY	YR.

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

B. REVISED APPLICATION *9place an "X" below and complete Section I above)*

☒ 1. FACILITY HAS AN INTERIM STATUS PERMIT

☒ 2. FACILITY HAS A FINAL PERMIT

III. PROCESSES – CODES AND CAPACITIES

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

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

1. AMOUNT – Enter the amount.

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

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

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

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

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

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

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

LINE NUMBER	A. PROCESS CODE *(from list above)*	B. PROCESS DESIGN CAPACITY 1. AMOUNT *(specify)*	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE *(enter code)*	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE *(from list above)*	B. PROCESS DESIGN CAPACITY 1. AMOUNT *(specify)*	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE *(enter code)*	FOR OFFICIAL USE ONLY
X-1	S 0 2	600	G		5				
X-2	T 0 3	20	E		6				
1	T04	12,900	V		7				
2	S01	73,500	L		8				
3					9				
4					10				

CONTINUE ON REVERSE

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

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

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

IV. DESCRIPTION OF DANGEROUS WASTES

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

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

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

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

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

D. PROCESSES

1. PROCESS CODES:

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

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

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

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

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

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

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

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

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

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 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

CONTINUE ON PAGE 3

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)*				D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	D001	20,000	K	T04	S01			Treatment - Other/Storage - Container
2	D002	15,000						
3	D003	500						
4	D004	50						
5	D005	400						
6	D006	117						
7	D007	400						
8	D008	400						
9	D009	800						
10	D010	10						
11	D011	20						
12	D012	300						
13	through	↓						
14	D043	↓						
15	WT01	16,000						
16	WT02	22,000						
17	WP01	12,000						
18	WP02	3,000						
19	WP03	2,000						
20	WSC2	15,000						
21	W001	5,000						
22	F001	4,000						
23	F002	4,500						
24	F003	6,500	↓	↓	↓			↓
25								
26								

(enter "A," "B," "C," etc., behind the "3" to identify photo copied pages)

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

II. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*				D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	F004	570	K	T04	S01			Treatment - Other/Storage - Container (continued)
2	F005	6,000						
3	through							
4	F012							
5	F019							
6	F020	300						
7	through							
8	F023							
9	F026							
10	F027	500						
11	F028	300						
12	F039	500						
13	U001	5,000						
14	through							
15	U012							
16	U014							
17	through							
18	U039							
19	U041							
20	through							
21	U053							
22	U055							
23	through							
24	U064							
25	U066							
26	U067							

CONTINUE ON REVERSE

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)*

	A	7	8	9	0	0	0	8	9	6	7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U068	5,000	K	T04 S01	Treatment - Other/Storage - Container (continued)
2	through				
3	U099				
4	U101				
5	U102				
6	U103				
7	U105				
8	through				
9	U138				
10	U140				
11	through				
12	U174				
13	U176				
14	through				
15	U194				
16	U196				
17	U197				
18	U200				
19	through				
20	U223				
21	U225				
22	through				
23	U228				
24	U230				
25	through				
26	U240				

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)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U242	5,000	K	T04 S01	Treatment - Other/Storage - Container (continued)
2	through				
3	U244				
4	U246				
5	through				
6	U249				
7	U271				
8	U277				
9	through				
10	U280				
11	U328				
12	U353				
13	U359				
14	U364				
15	through				
16	U367				
17	U372				
18	U373				
19	U375				
20	through				
21	U379				
22	U381				
23	through				
24	U387				
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)*

	A	7	8	9	0	0	0	8	9	6	7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*				D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U389	5,000	K	T04	S01			Treatment - Other/Storage - Container (continued)
2	through							
3	U396							
4	U400							
5	through							
6	U404							
7	U407							
8	U409							
9	through							
10	U411							
11	P001							
12	through							
13	P018							
14	P020							
15	through							
16	P024							
17	P026							
18	through							
19	P031							
20	P033							
21	P034							
22	P036							
23	through							
24	P051							
25	P054							
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)*

	A	7	8	9	0	0	0	8	9	6	7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	P056	5,000	K	T04 S01	Treatment - Other/Storage - Container (continued)
2	through				
3	P060				
4	P062				
5	through				
6	P078				
7	P081				
8	P082				
9	P084				
10	P085				
11	P087				
12	through				
13	P089				
14	P092				
15	through				
16	P099				
17	P101				
18	through				
19	P116				
20	P118				
21	through				
22	P123				
23	P127				
24	P128				
25	P185				
26					

CONTINUE ON REVERSE

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)*

A	7	8	9	0	0	0	8	9	6	7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*				D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	P188	5,000	K	T04	S01			Treatment - Other/Storage - Container (continued)
2	through							
3	P192							
4	P194							
5	P196							
6	through							
7	P199							
8	P201							
9	through							
10	P205							Included With Above
11								
12								
13								
14								
15								
16								
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

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

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

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

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

IX. OWNER CERTIFICATION

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

NAME *(print or type)*	SIGNATURE	DATE SIGNED
Keith A. Klein, Manager U.S. Department of Energy Richland Operations Office		6/28/99

X. OPERATOR CERTIFICATION

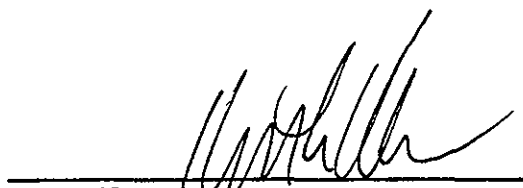
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true,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

NAME *(print or type)*	SIGNATURE	DATE SIGNED

CONTINUE ON PAGE 5

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.



6/28/99

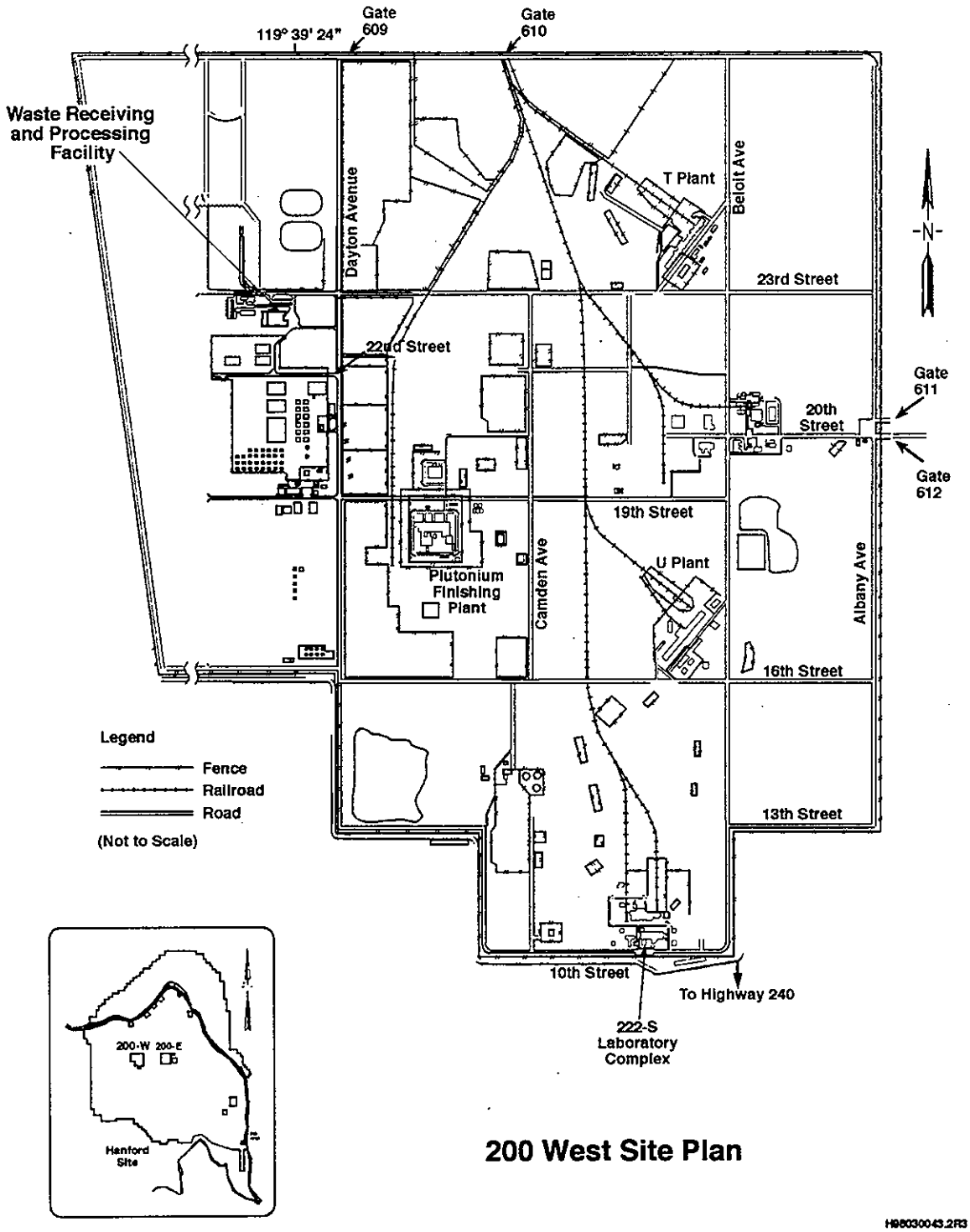
Owner/Operator
Keith A. Klein, Manager
U.S. Department of Energy
Richland Operations Office

Date

June 28, 1999

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

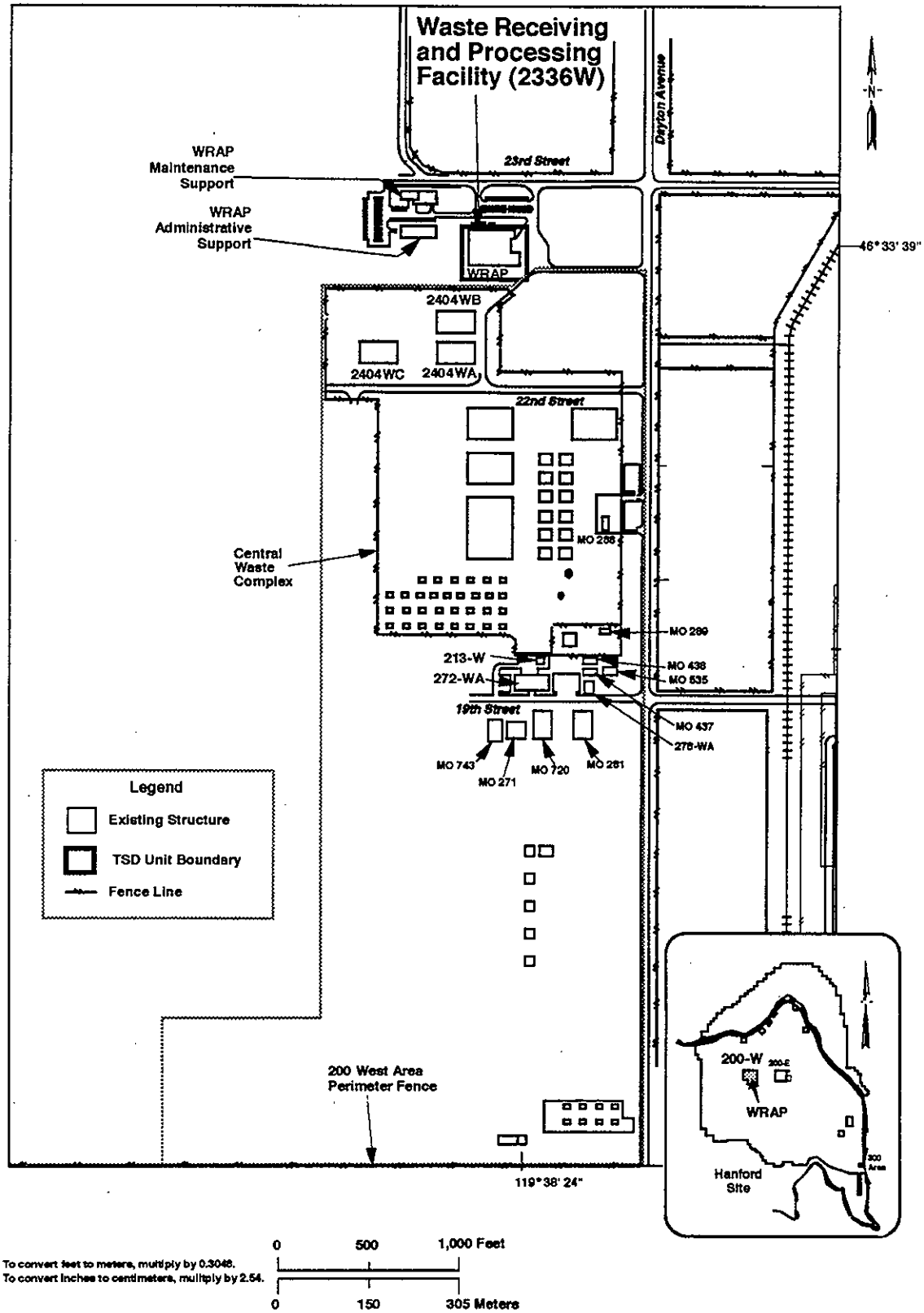
Date



200 West Site Plan

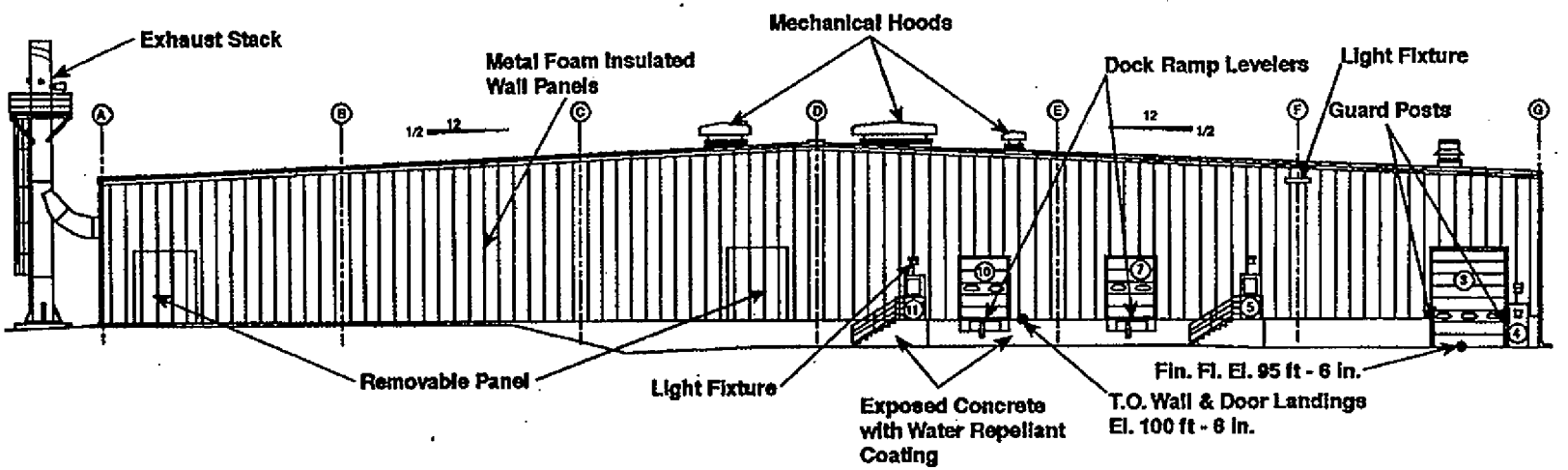
H9803043.2R3

Waste Receiving and Processing Facility (WRAP)

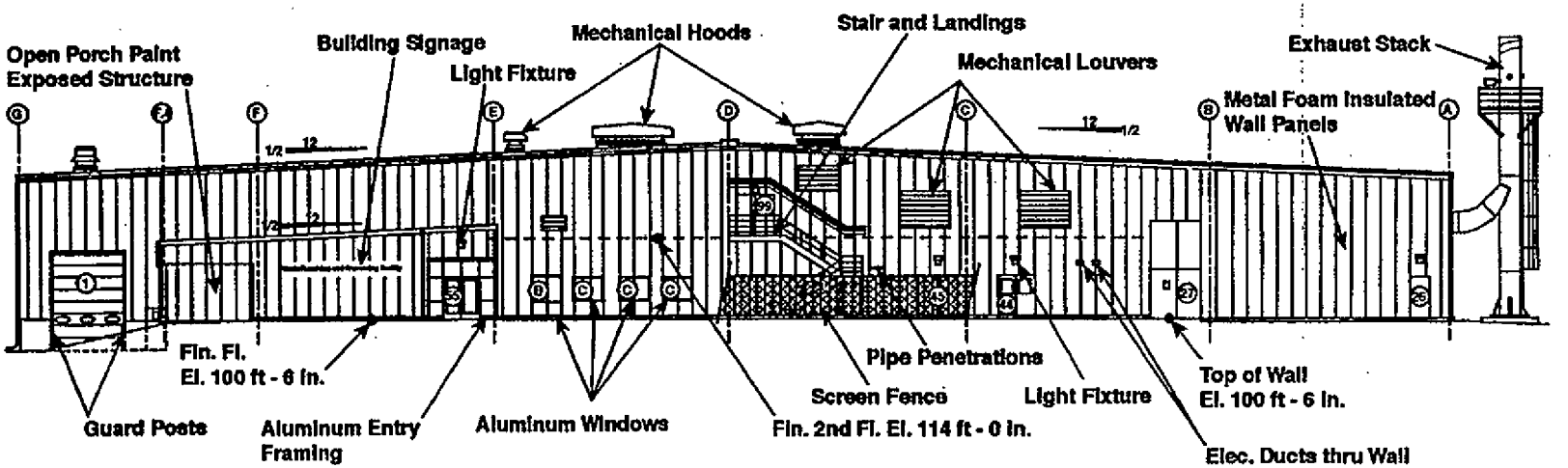


H96030043.3R2

Waste Receiving and Processing Facility
2336-W Building



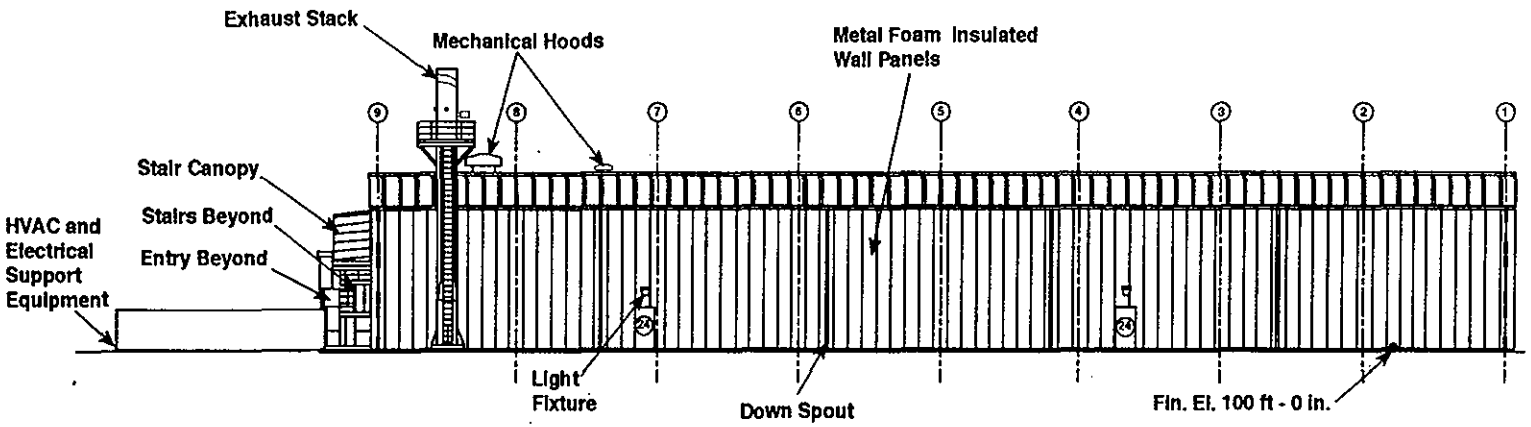
South Elevation



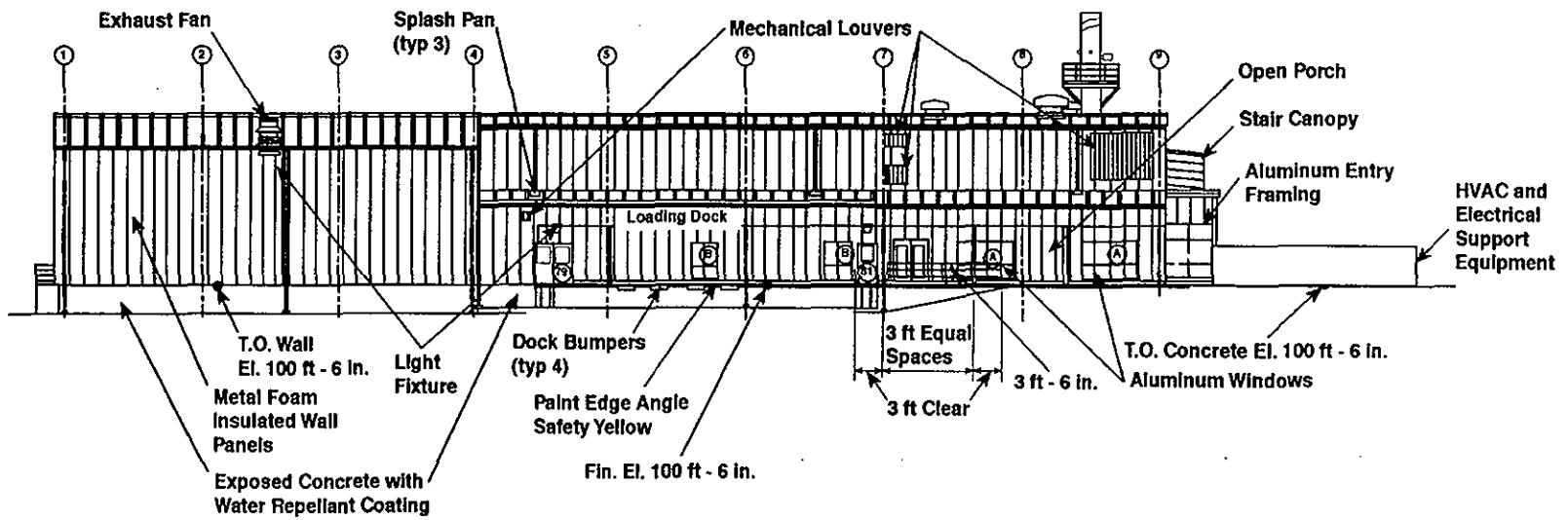
North Elevation

H98030043.4

Waste Receiving and Processing Facility
2336-W Building



West Elevation

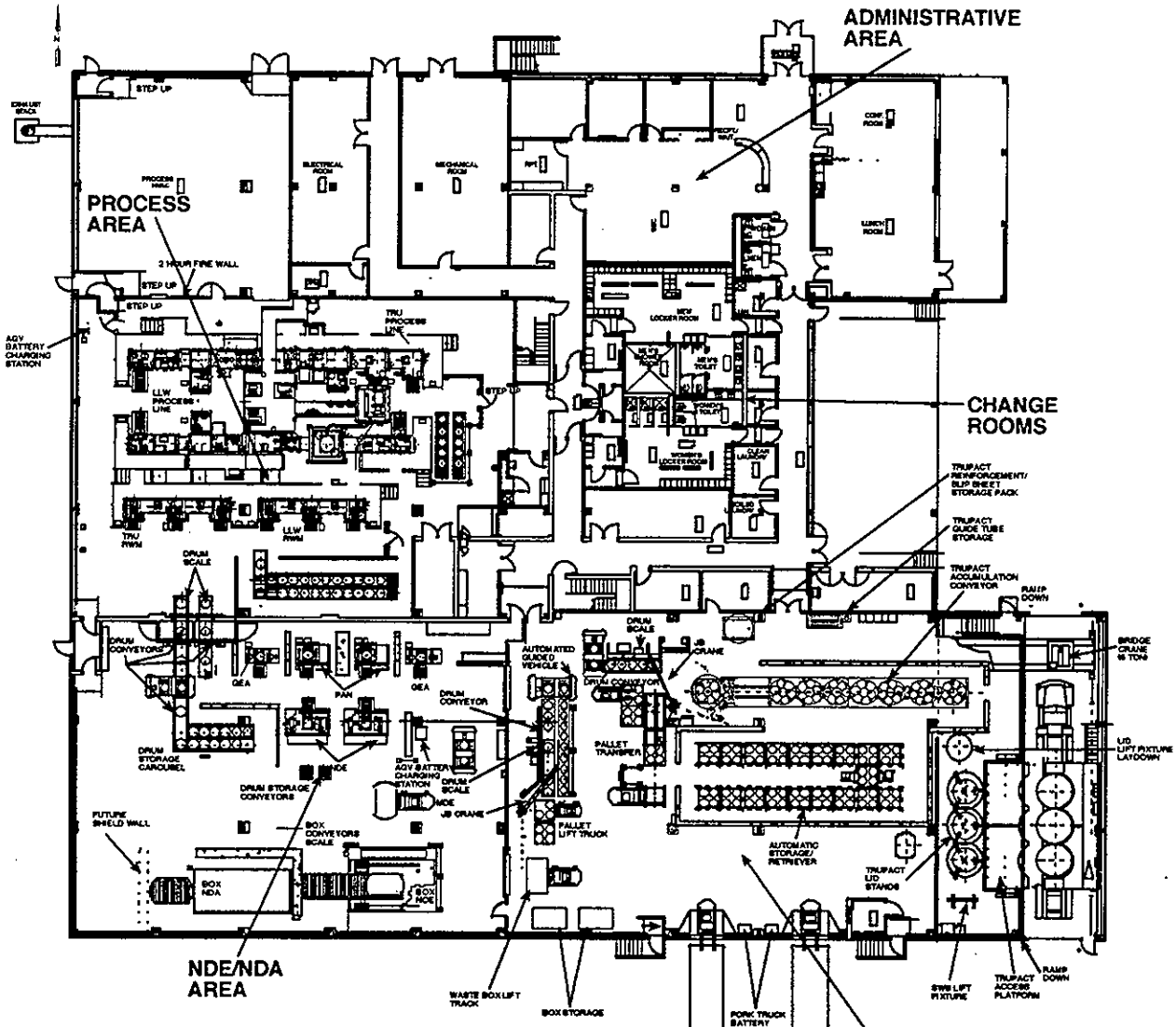


East Elevation

H98030043.5R2

HVAC = Heating, ventilation, and air conditioning.

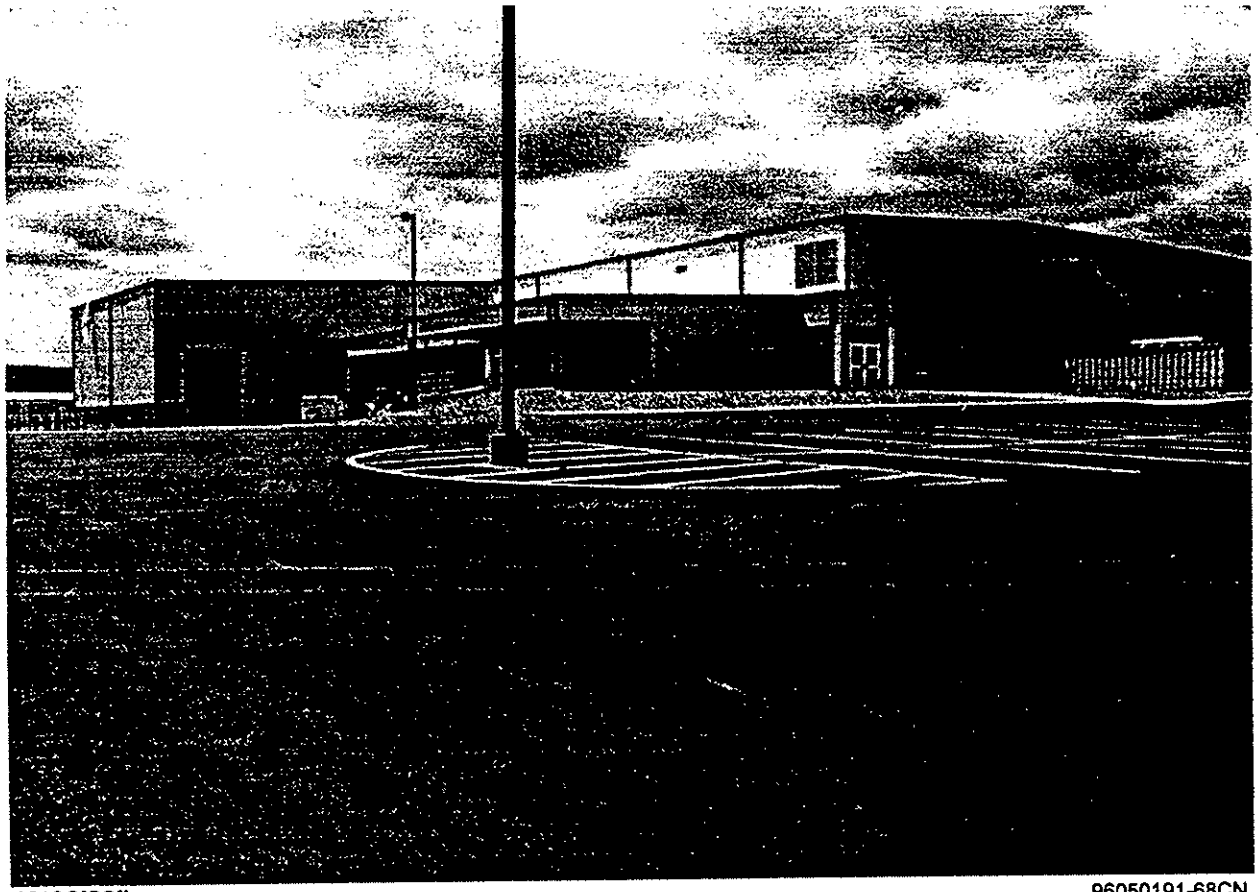
Waste Receiving and Processing Facility Building Layout



AGV	=	Automated guided vehicle
GEA	=	Gamma energy analysis
HVAC	=	Heating, ventilation, and air conditioning
LLW	=	Low-level waste
NDA	=	Nondestructive assay
NDE	=	Nondestructive examination
PAN	=	Passive/active neutron
RWM	=	Restricted waste management gloveboxes
SWB	=	Standard waste box
TRU	=	Transuranic
TRUPACT	=	Transuranic waste transporter

H98030043.1

WASTE RECEIVING AND PROCESSING FACILITY



46°33'29"
119°38'24"

96050191-68CN
(PHOTO TAKEN 1996)

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

Revision

VOLUME 1

♦ = Revised this issue.

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

♦ = Revised this issue.

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

♦ = Revised this issue.

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

FORM **3**

DANGEROUS WASTE PERMIT APPLICATION

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

FOR OFFICIAL USE ONLY

APPLICATION APROVED	DATE RECEIVED *(mo., day, & yr.)*	COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. if this is your first application and you already know your facility's EPA/STATE I.D. Number, or if this is a revised application, enter your facility's EPA/STATE I.D. Number in Section I above.

A. FIRST APPLICATION *(place an "X" below and provide the appropriate date)*

☐ 1. EXISTING FACILITY *(See instructions for definition of "existing" facility. Complete item below.)*

MO.	DAY	YR.
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.

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

MO.	DAY	YR.

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

B. REVISED APPLICATION *9place an "X" below and complete Section I above)*

☒ 1. FACILITY HAS AN INTERIM STATUS PERMIT

☒ 2. FACILITY HAS A FINAL PERMIT

III. PROCESSES – CODES AND CAPACITIES

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

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

1. AMOUNT – Enter the amount.

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

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

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

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

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

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

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

LINE NUMBER	A. PROCESS CODE *(from list above)*	B. PROCESS DESIGN CAPACITY 1. AMOUNT *(specify)*	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE *(enter code)*	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE *(from list above)*	B. PROCESS DESIGN CAPACITY 1. AMOUNT *(specify)*	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE *(enter code)*	FOR OFFICIAL USE ONLY
X-1	S02	600	G		5				
X-2	T03	20	E		6				
1	S01	22,710,000	L		7				
2	T04	45,420	V		8				
3					9				
4					10				

Continued from the front.

III. PROCESSES (continued)

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

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

T04 (Treatment-Other)

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

IV. DESCRIPTION OF DANGEROUS WASTES

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

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

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

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

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

D. PROCESSES

1. PROCESS CODES:

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

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

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

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

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

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

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

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	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)*: WA7890008967

II. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*				D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	D001	4,600	K	S01	T04			Storage - Container/Treatment - Other
2	D002	1,000						
3	D003	↓						
4	D004	300						
5	through	↓						
6	D007	↓						
7	D008	45,400						
8	D009	300						
9	through	↓						
10	D043	↓						
11	WSC2	↓						
12	WT01	363,200						
13	WT02	36,000						
14	WP01	3,700						
15	through	↓						
16	WP03	↓						
17	W001	10,000						
18	F001	3,700						
19	through	↓						
20	F012	↓						
21	F019	↓						
22	F020	↓						
23	F021	300						
24	through	↓						
25	F023	↓	↓	↓	↓	↓	↓	↓
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)*: WA7890008967

II. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	F026	300	K	S01 T04	Storage - Container/Treatment - Other
2	through				
3	F028				
4	F039				
5	U001				
6	through				
7	U012				
8	U014				
9	through				
10	U039				
11	U041				
12	through				
13	U053				
14	U055				
15	through				
16	U064				
17	U066				
18	through				
19	U099				
20	U101				
21	through				
22	U103				
23	U105				
24	through				
25	U138				
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

II. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*				D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U140	300	K	S01	T04			Storage - Container/Treatment - Other
2	through							
3	U174							
4	U176							
5	through							
6	U194							
7	U196							
8	U197							
9	U200							
10	through							
11	U223							
12	U225							
13	through							
14	U228							
15	U230							
16	through							
17	U240							
18	U242							
19	through							
20	U244							
21	U246							
22	through							
23	U249							
24	U271							
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

II. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U277	300	K	S01 T04	Storage - Container/Treatment - Other
2	through				
3	U280				
4	U328				
5	U353				
6	U359				
7	U364				
8	through				
9	U367				
10	U372				
11	U373				
12	U375				
13	through				
14	U379				
15	U381				
16	through				
17	U387				
18	U389				
19	through				
20	U396				
21	U400				
22	through				
23	U404				
24	U407				
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)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U409	300	K	S01 T04	Storage - Container/Treatment - Other
2	through				
3	U411				
4	P001				
5	through				
6	P018				
7	P020				
8	through				
9	P024				
10	P026				
11	through				
12	P031				
13	P033				
14	P034				
15	P036				
16	through				
17	P051				
18	P054				
19	P056				
20	through				
21	P060				
22	P062				
23	through				
24	P078				
25	P081				
26	P082				

(enter "A," "B," "C," etc., behind the "3" to identify photo copied pages)

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)*				D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	P084	300	K	S01	T04			Storage - Container/Treatment - Other
2	P085							
3	P087							
4	through							
5	P089							
6	P092							
7	through							
8	P099							
9	P101							
10	through							
11	P116							
12	P118							
13	through							
14	P123							
15	P127							
16	P128							
17	P185							
18	P188							
19	through							
20	P192							
21	P194							
22	P196							
23	through							
24	P199							
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)*				D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	P201	300	K	S01	T04			Storage - Container/Treatment - Other
2	through	↓	↓	↓	↓			↓
3	P205	↓	↓	↓	↓			Included With Above.
4								
5								
6								
7								
8								
9								
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11								
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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 IX below.

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

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

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

IX. OWNER CERTIFICATION

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

NAME *(print or type)*	SIGNATURE	DATE SIGNED
Keith A. Klein, Manager U.S. Department of Energy Richland Operations Office		6/25/99

X. OPERATOR CERTIFICATION

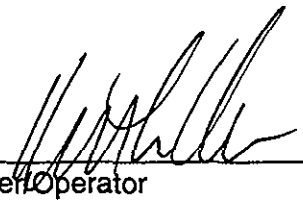
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true,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

NAME *(print or type)*	SIGNATURE	DATE SIGNED

CONTINUE ON PAGE 5

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.



6/25/99

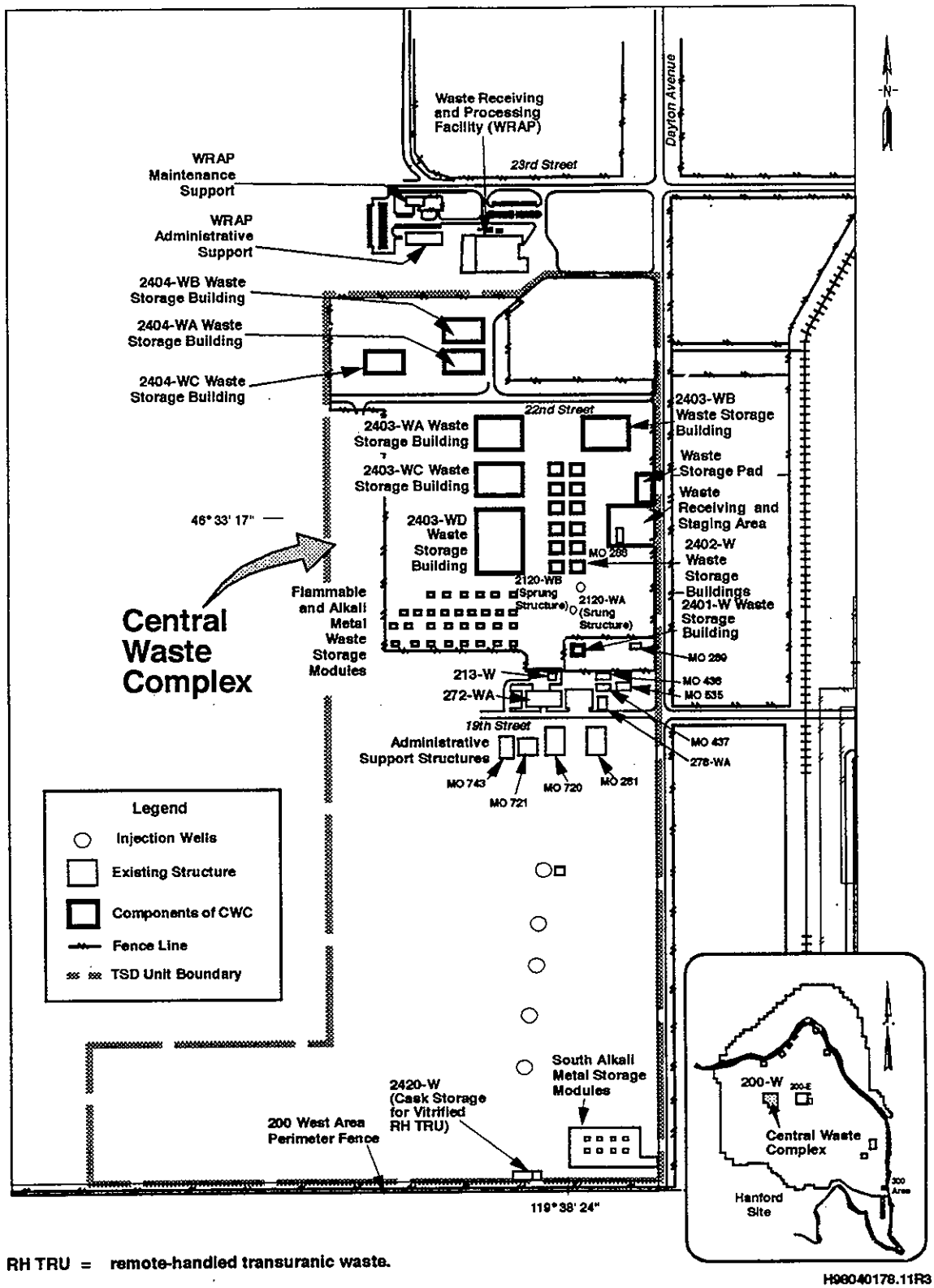
Owner/Operator
Keith A. Klein, Manager
U.S. Department of Energy
Richland Operations Office

Date

6/21/99

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

Date



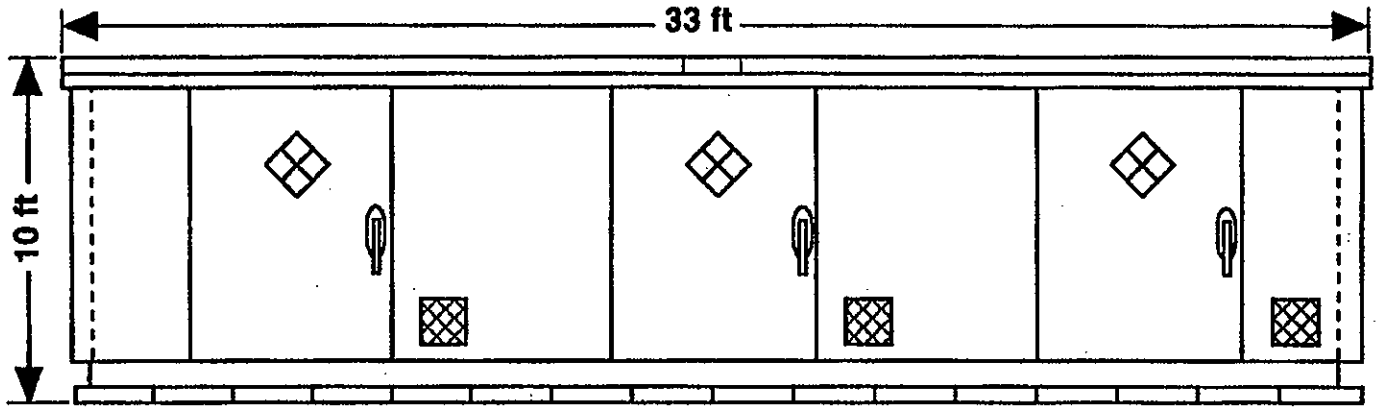
H96040178.11R3

RH TRU = remote-handled transuranic waste.

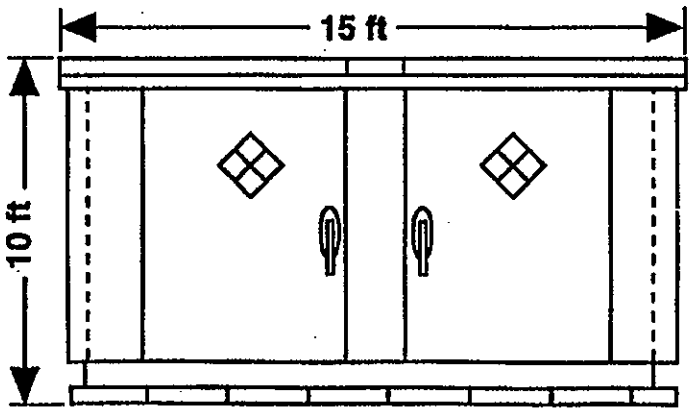
Not to scale.

Refer to topographic map (H-13-000003) for detail.

Typical Large Waste Storage Module
Front View



Typical Small Waste Storage Module
Front View

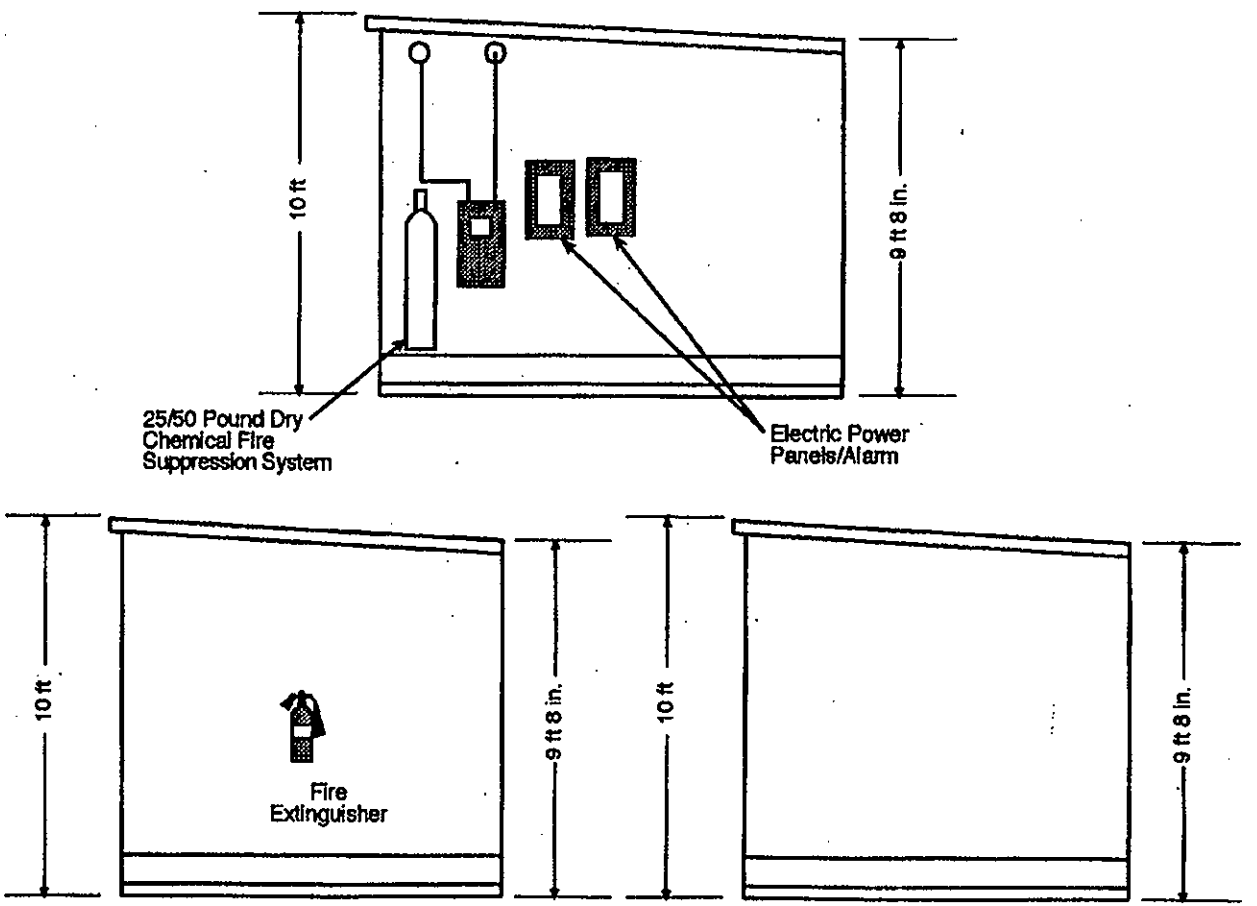


Note: To convert feet to meters, multiply by 0.3048.

H98040178.7

Flammable and Alkali Metal Waste Storage Module

Side View

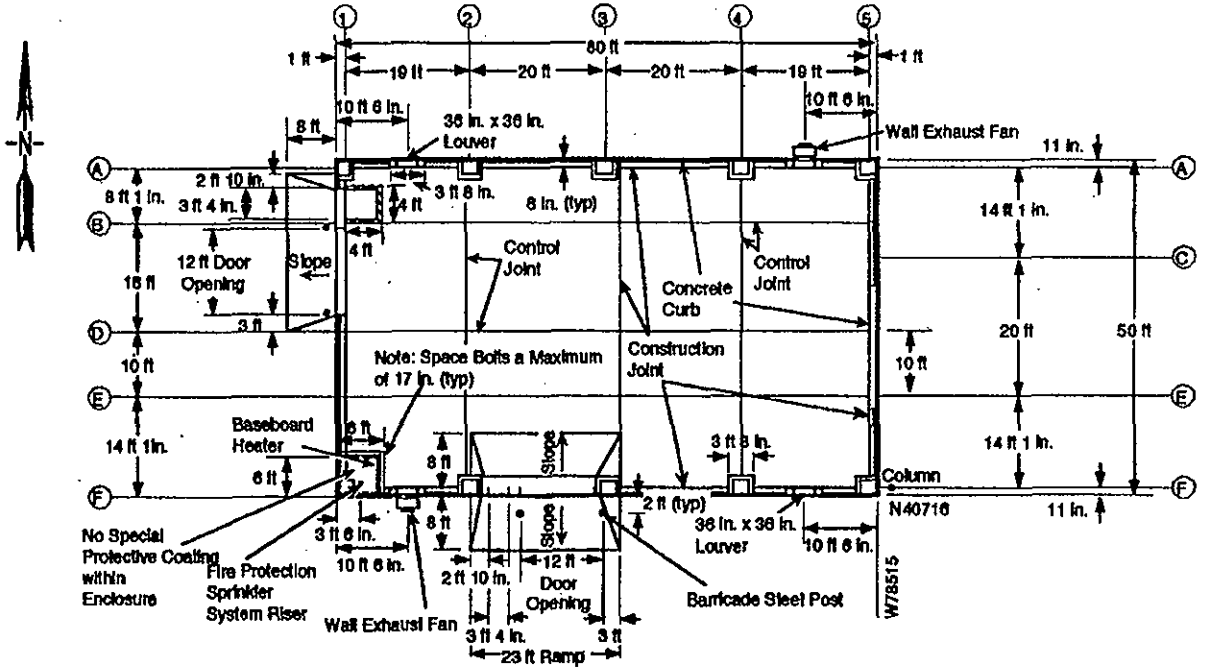


Note: To convert feet to meters, multiply by 0.3048.
To convert inches to centimeters, multiply by 2.54.
To convert to pounds to kilograms, multiply by 0.453.
Lights, electrical panels, and fire suppression systems have been deactivated in selected modules.

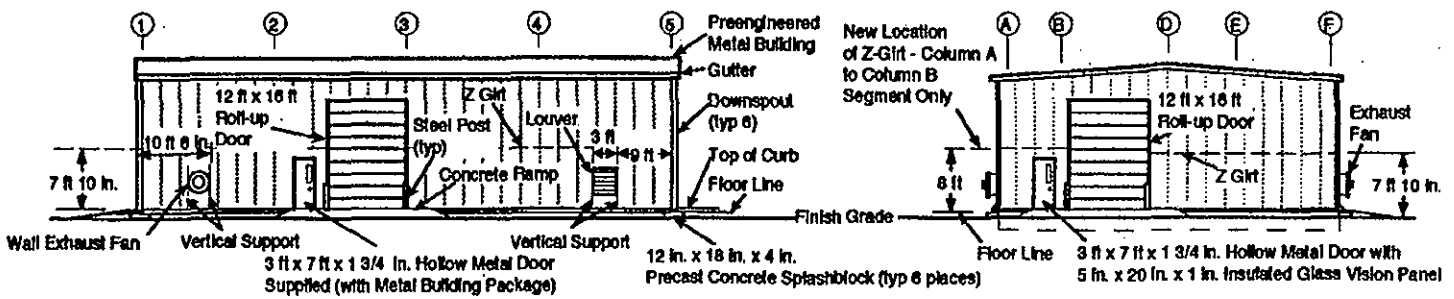
H98010038.1R1

2401-W Waste Storage Building

Plan and Elevations



Foundation/Floor Plan



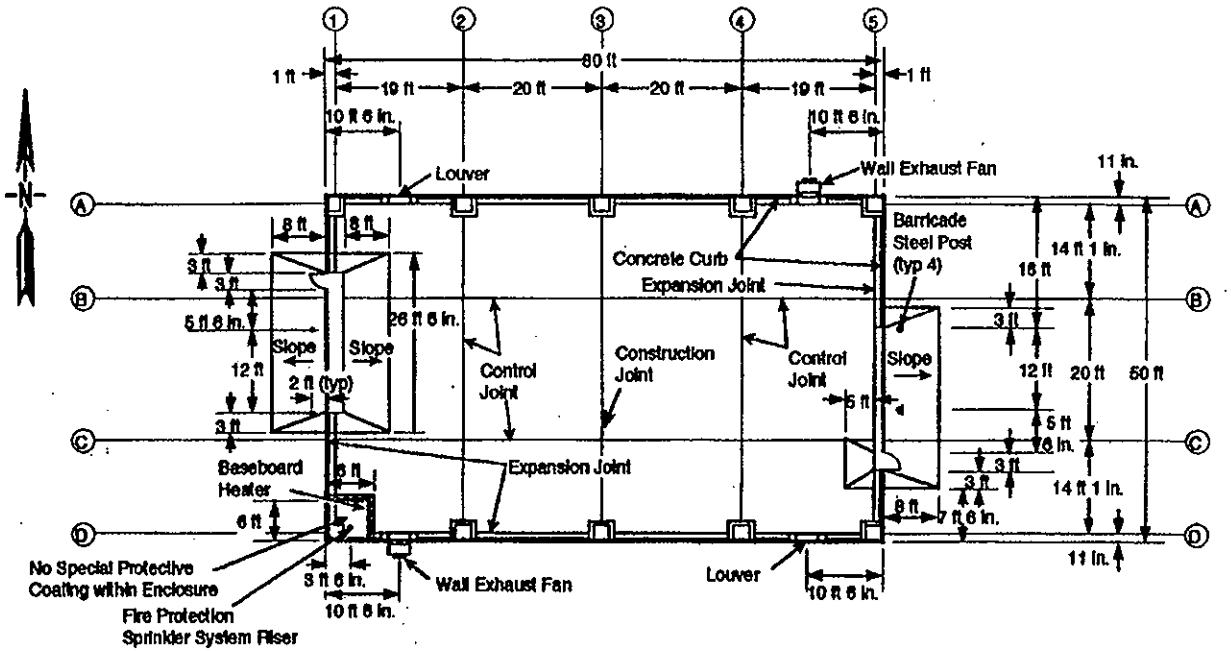
South Elevation **West Elevation**

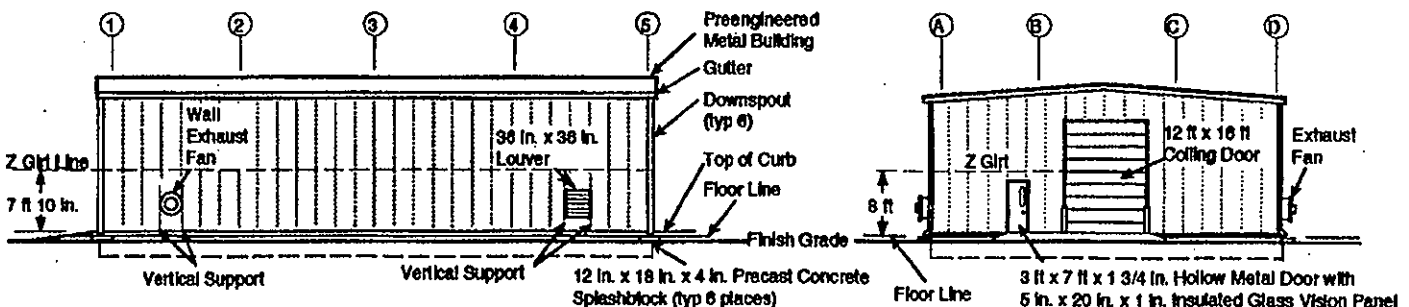
typ = typical.

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

H9804017B.6R1

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



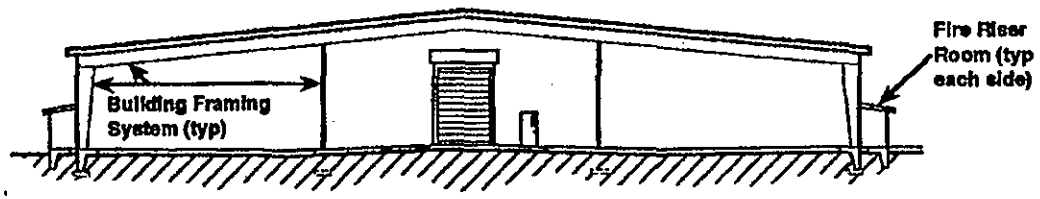


Note: To convert feet to meters, multiply by 0.3048.
To convert inches to centimeters, multiply by 2.54.

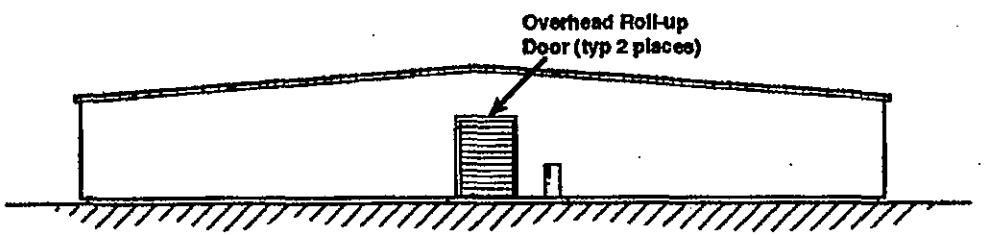
H9604017B.6a

Typical Waste Storage Building (2403-WA through WC)

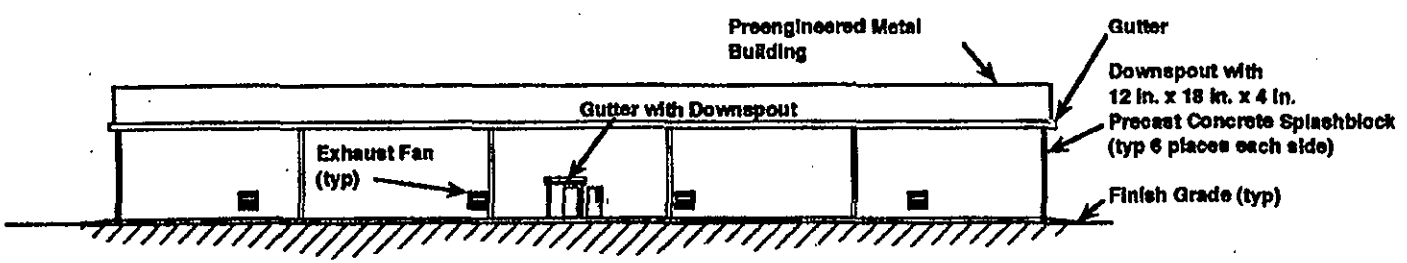
Elevations



Section



East Elevation (West Elevation Similar)



North Elevation (South Elevation Similar)

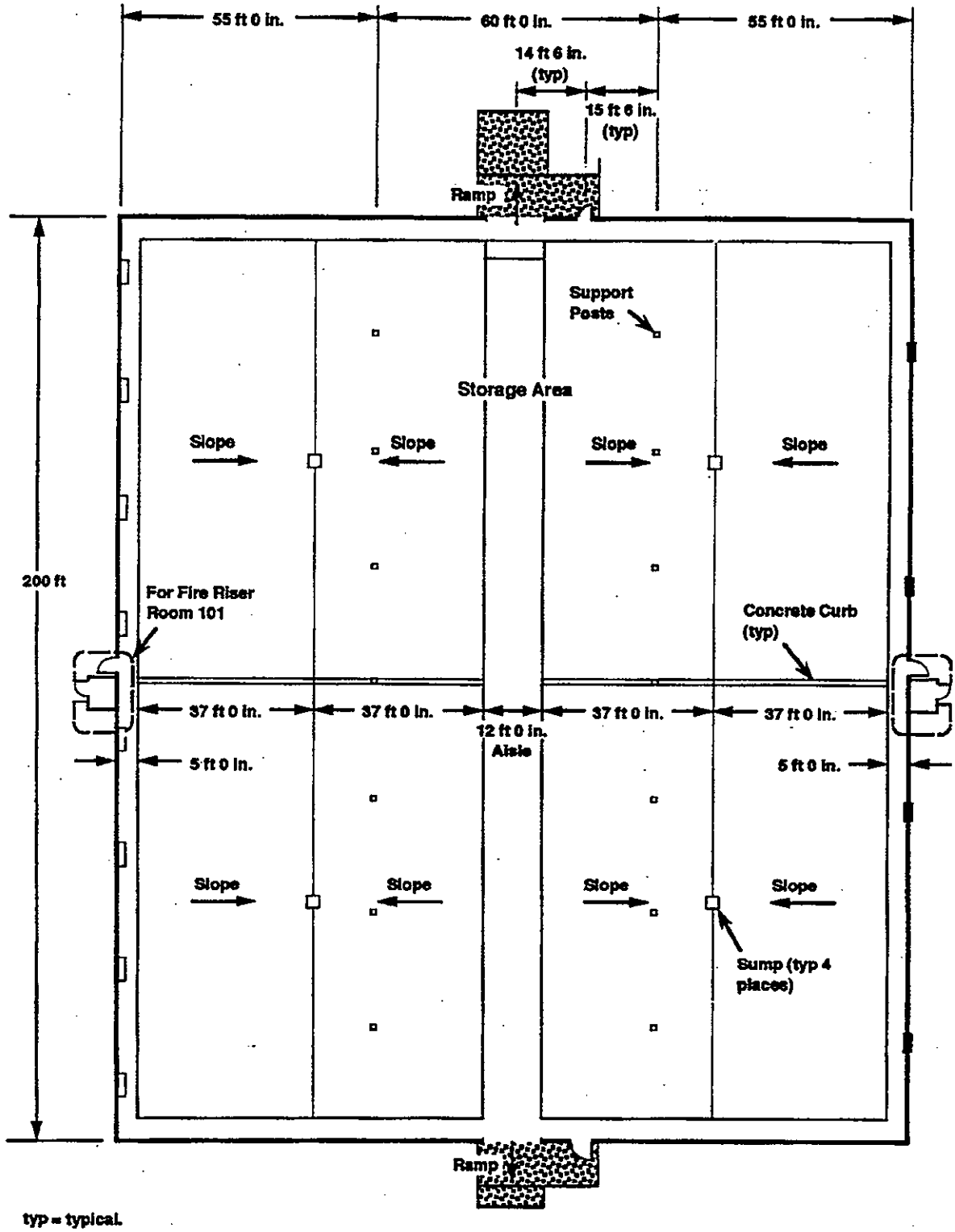
typ = typical.

Not to scale.

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

H98040178.4R2

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

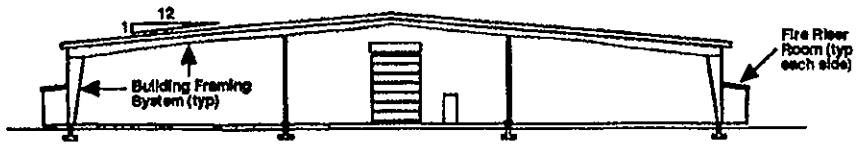


typ = typical.

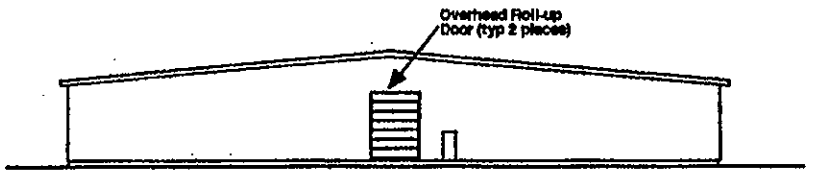
Note: To convert feet to meters, multiply by 0.3048.
To convert inches to centimeters, multiply by 2.54.

H96040178.3

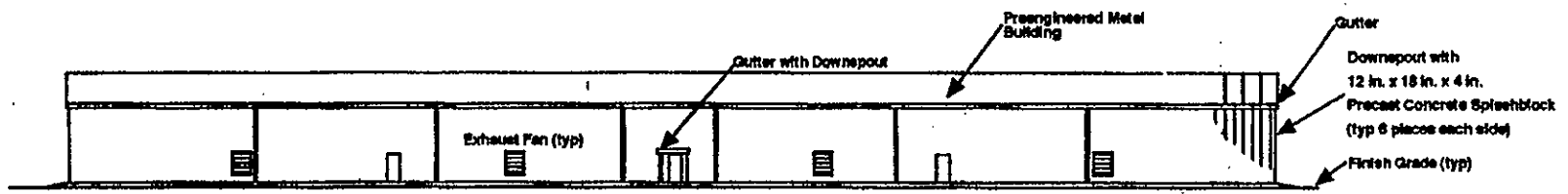
Waste Storage Building (2403-WD)



Section



North Elevation



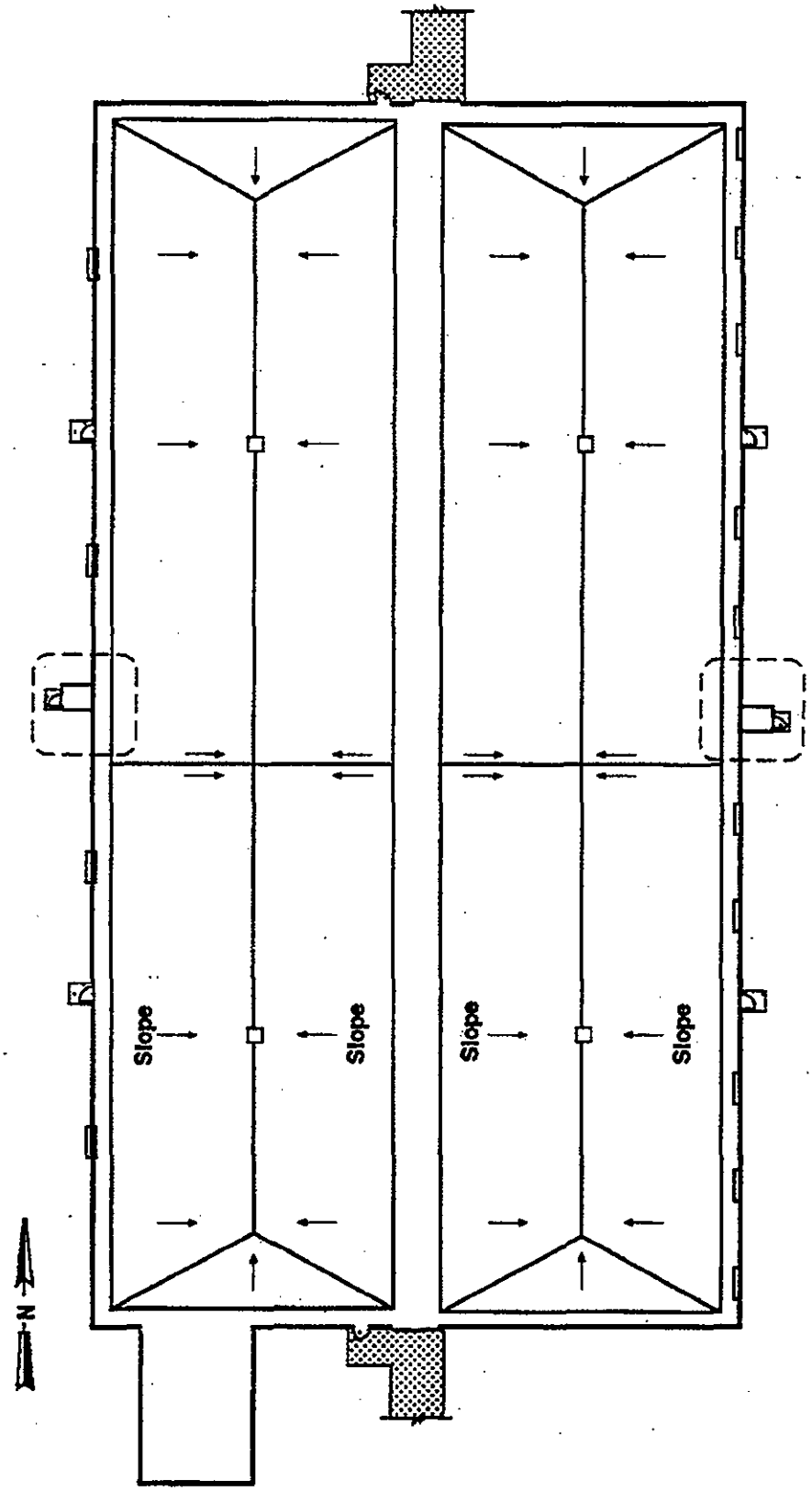
West Elevation

Metric Conversion: 2.54 centimeters per inch
0.305 meter per foot

typ = typical.

39304068.11R2

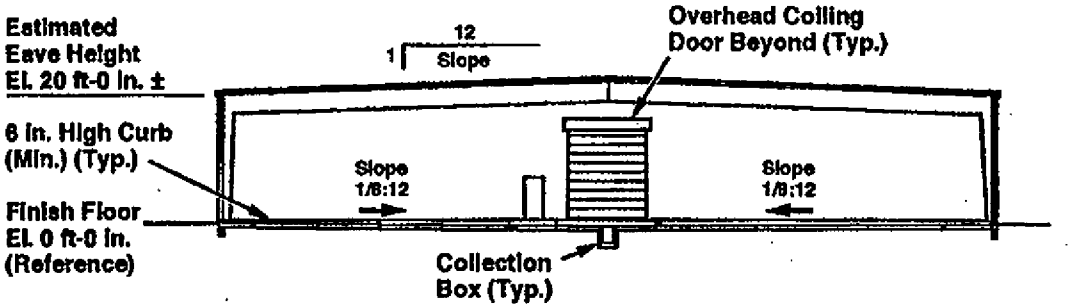
Waste Storage Building (2403-WD)



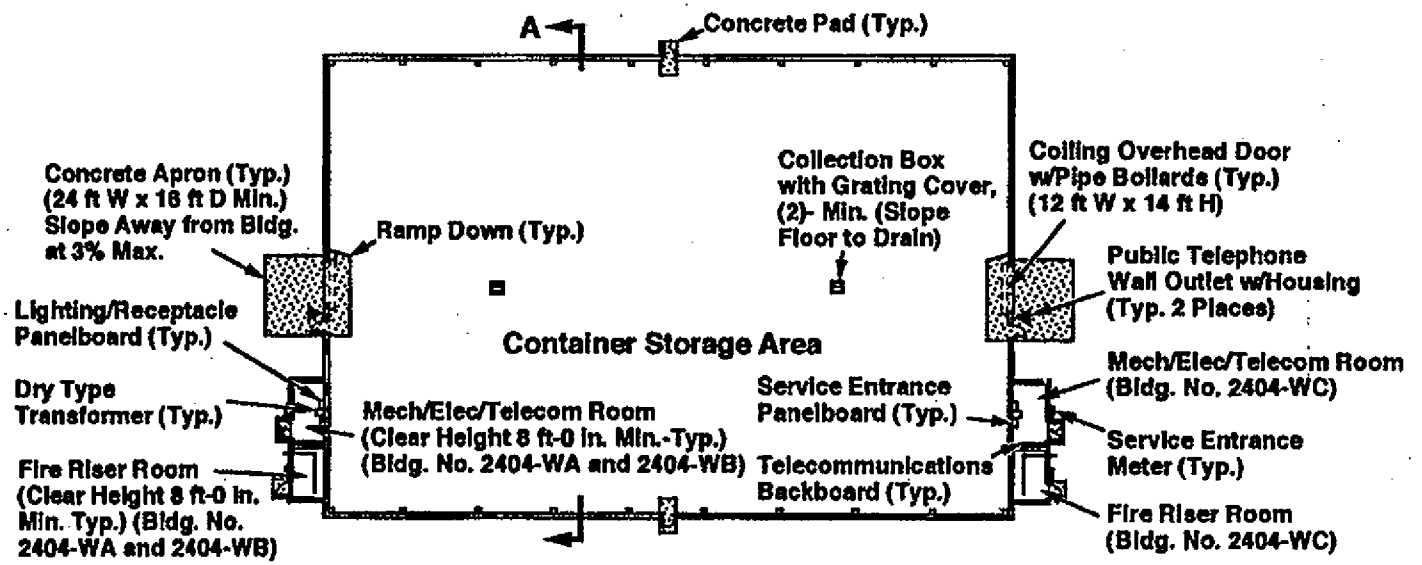
H9904178.2

Not to scale.

Typical Waste Storage Building (2404-WA through WC)



A Section



Floor Plan

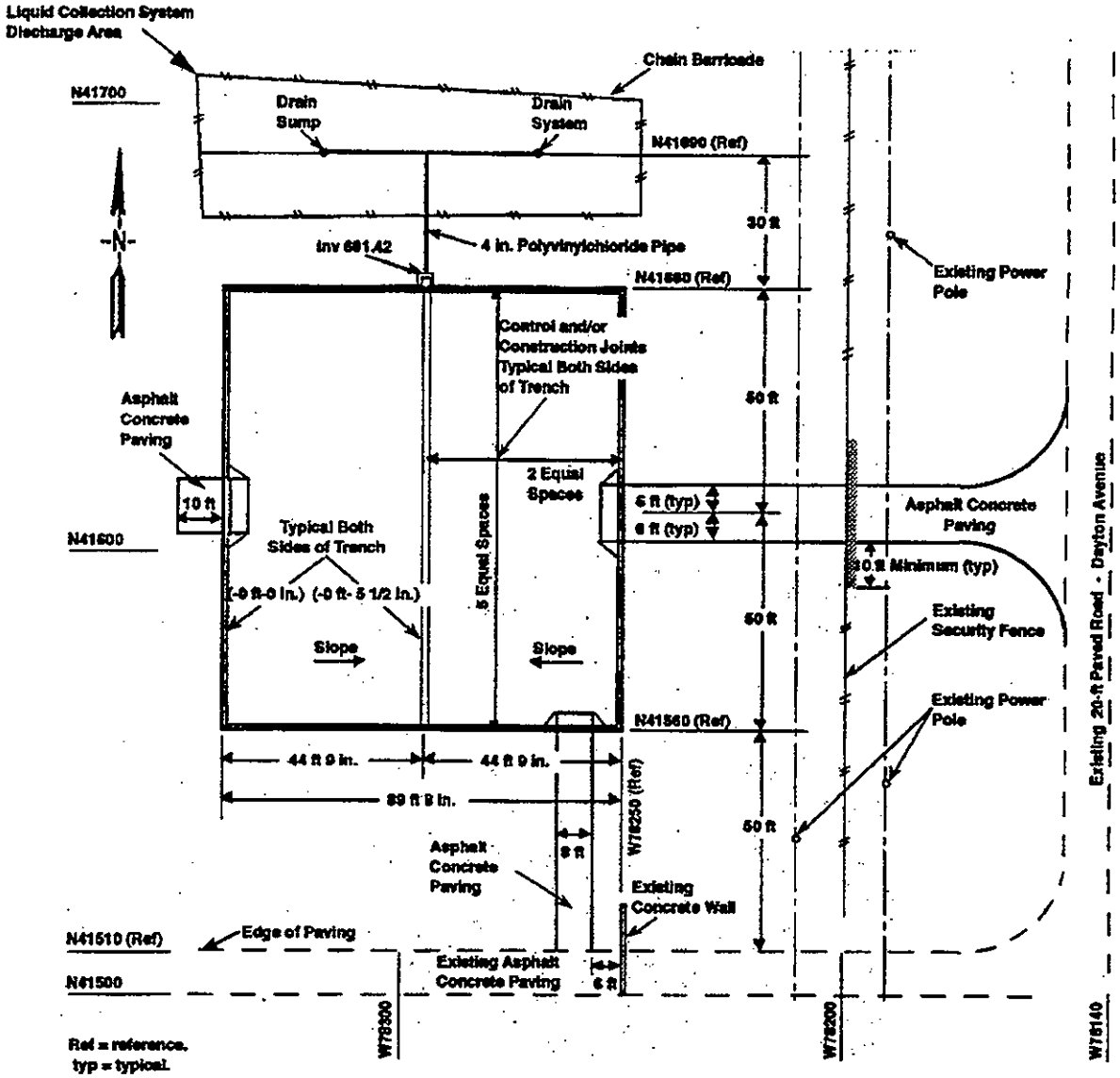
Min = minimum.
Typ = typical.

Not to scale.

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

H96080291.1R2

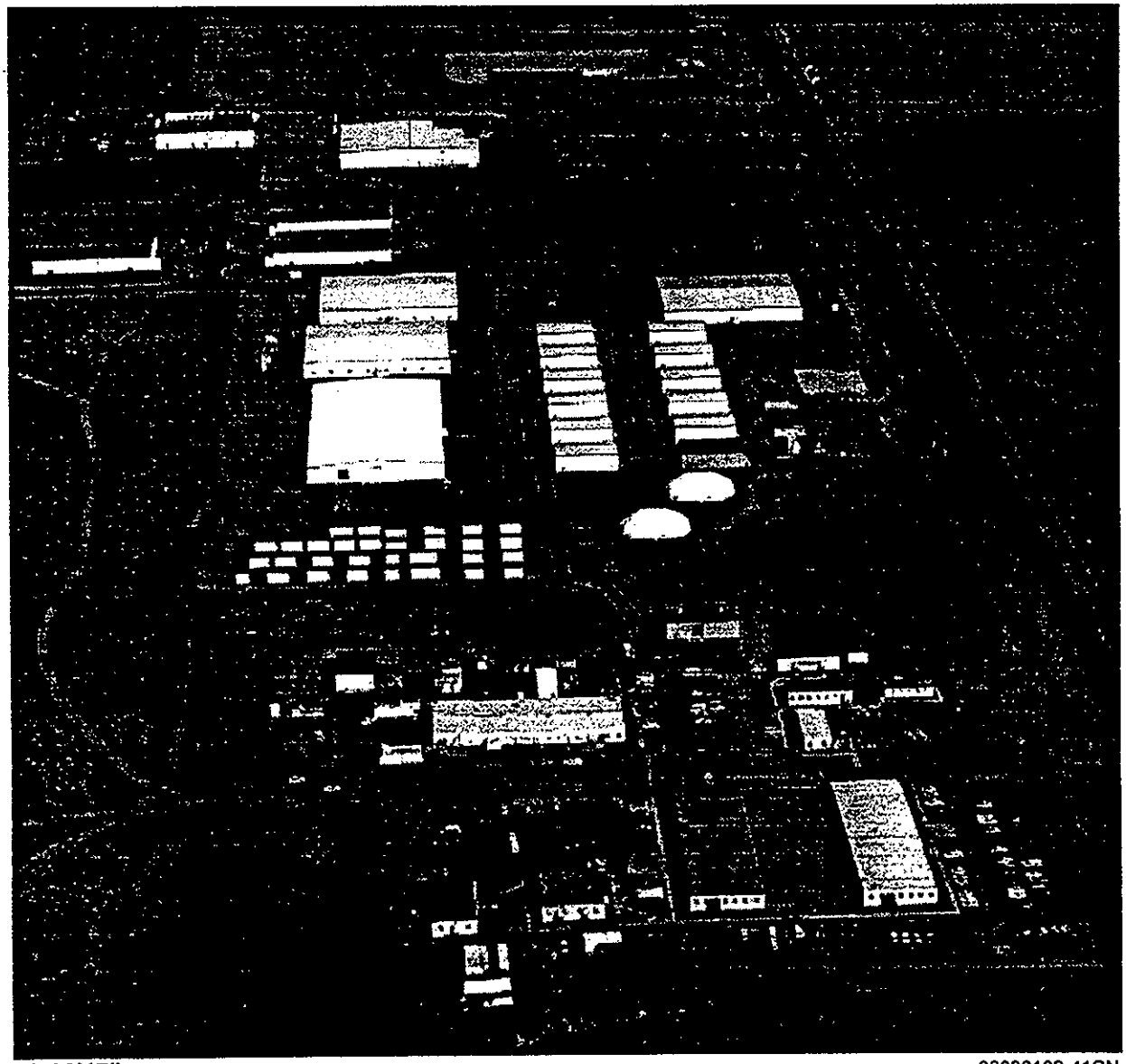
Waste Storage Pad
Civil Plan



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

H98019038.8 R2

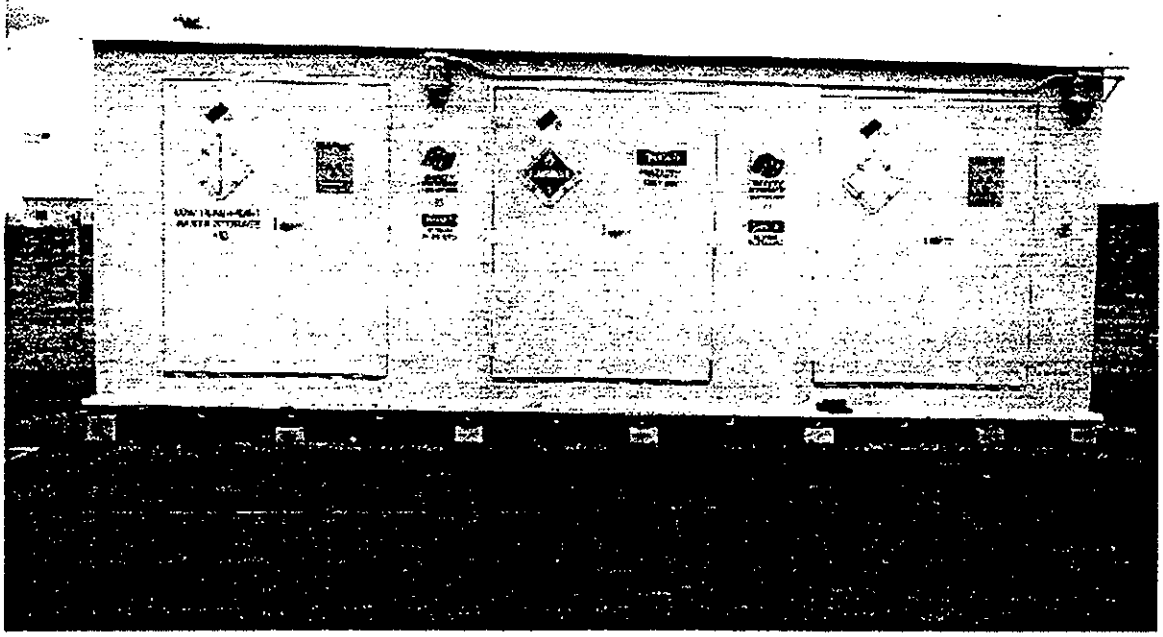
CENTRAL WASTE COMPLEX AERIAL VIEW



46°33'17"
119°38'24"

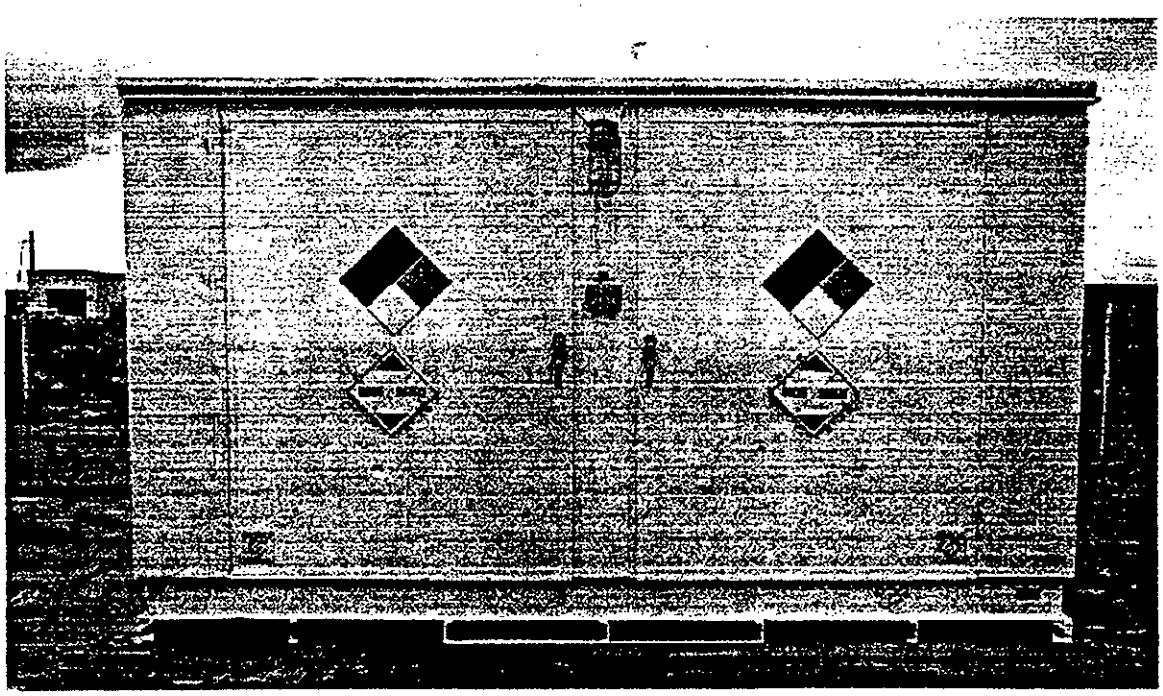
98030102-41CN
(PHOTO TAKEN 1998)

CENTRAL WASTE COMPLEX FLAMMABLE AND ALKALI METAL WASTE STORAGE MODULES



TYPICAL (LARGE)
46°33'17"
119°38'24"

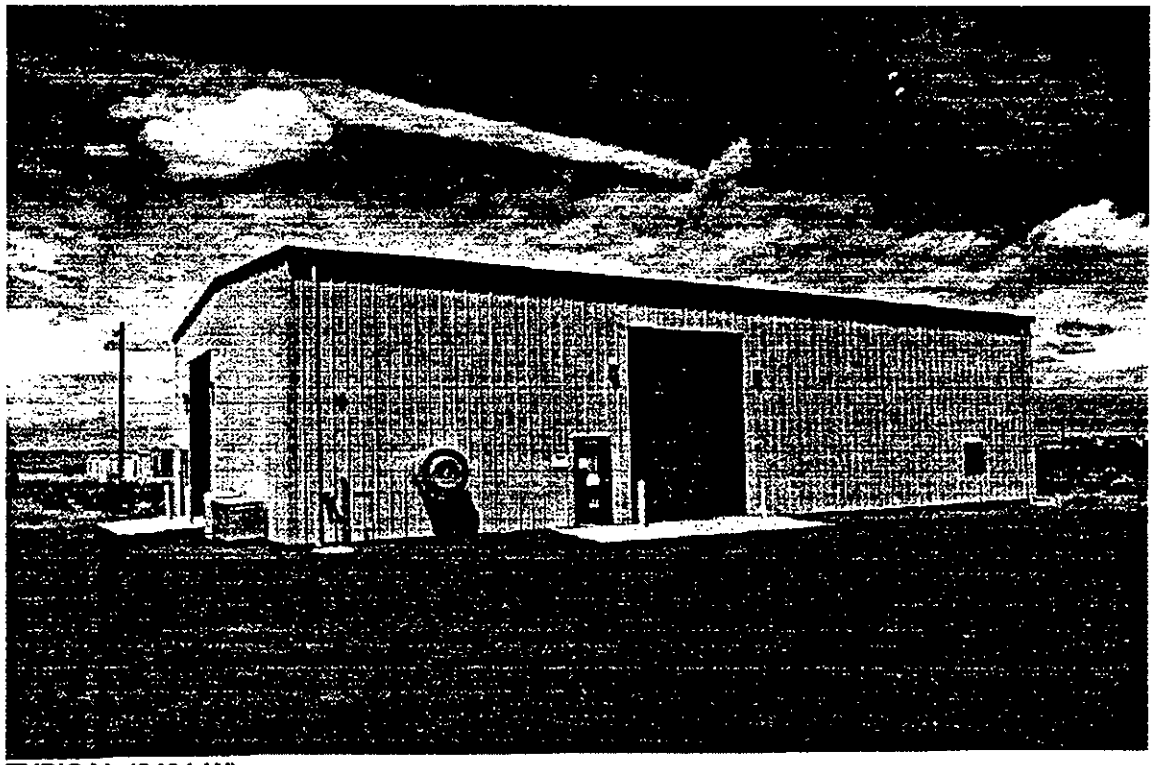
93040010-9CN
(PHOTO TAKEN 1993)



TYPICAL (SMALL)
46°33'17"
119°38'24

93040010-11CN
(PHOTO TAKEN 1993)

CENTRAL WASTE COMPLEX
WASTE STORAGE BUILDING



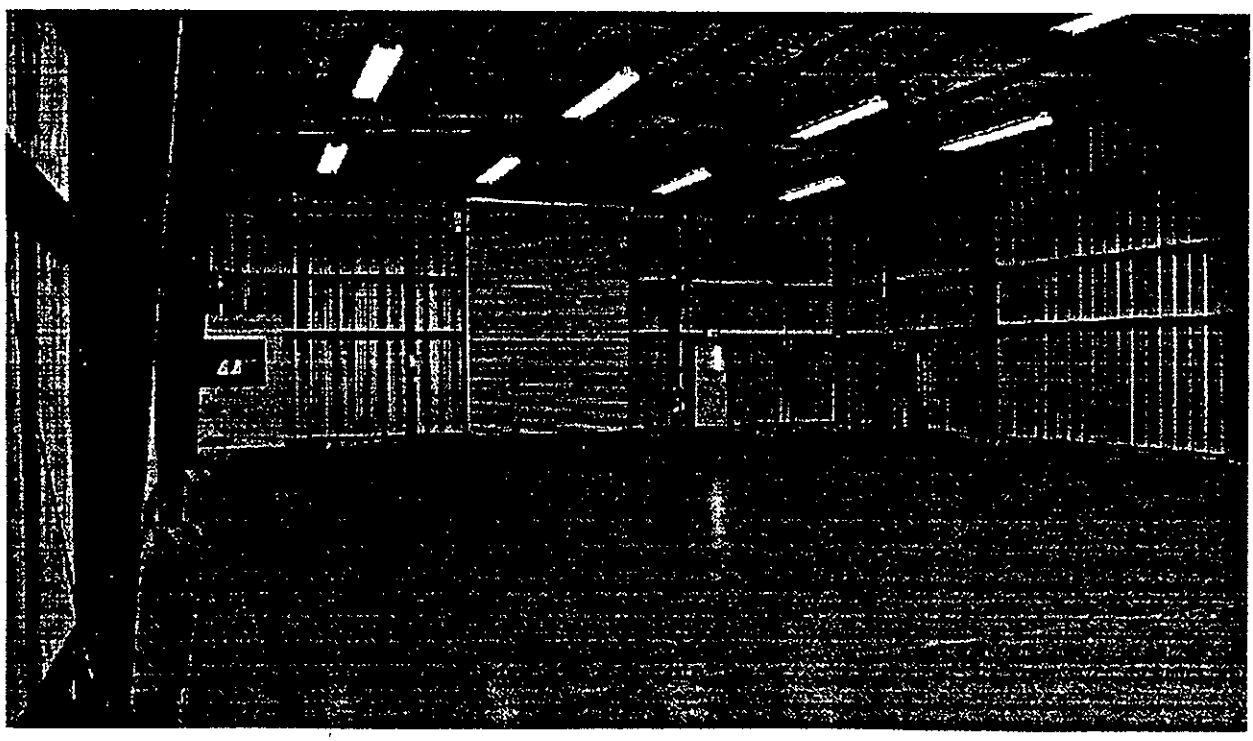
TYPICAL (2401-W)
46°33'17"
119°38'24"

90061110-44CN
(PHOTO TAKEN 1990)

CENTRAL WASTE COMPLEX
WASTE STORAGE BUILDING

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

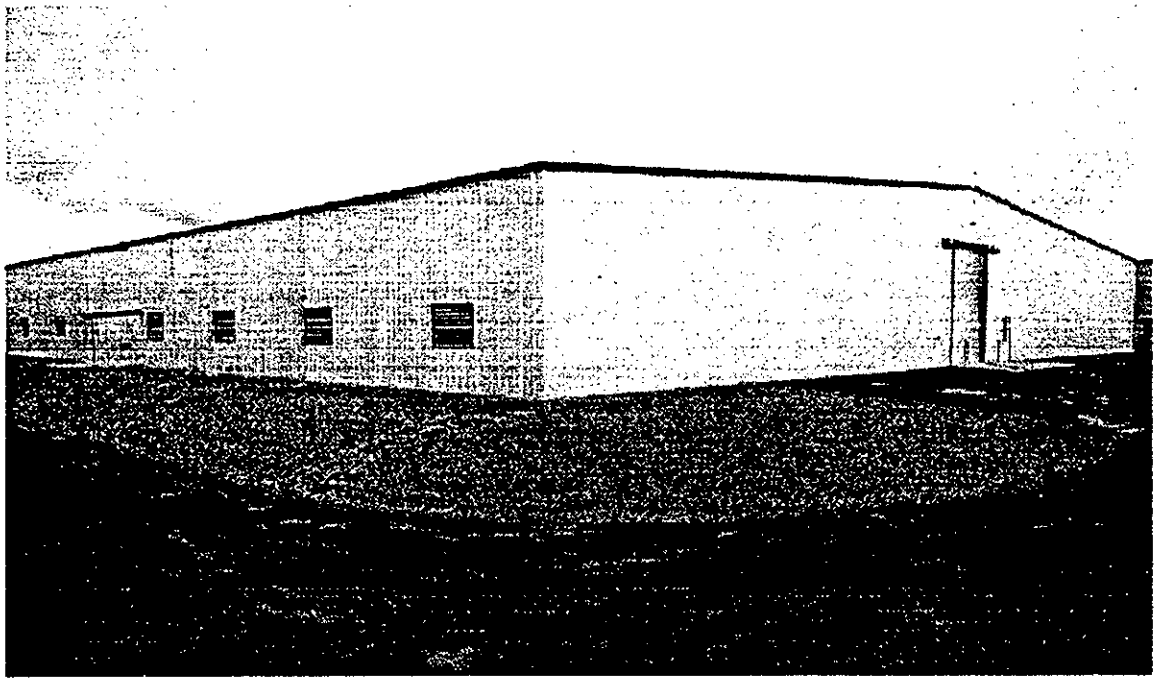
90061110-26CN
(PHOTO TAKEN 1990)



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

90061110-10CN
(PHOTO TAKEN 1990)

CENTRAL WASTE COMPLEX
WASTE STORAGE BUILDING



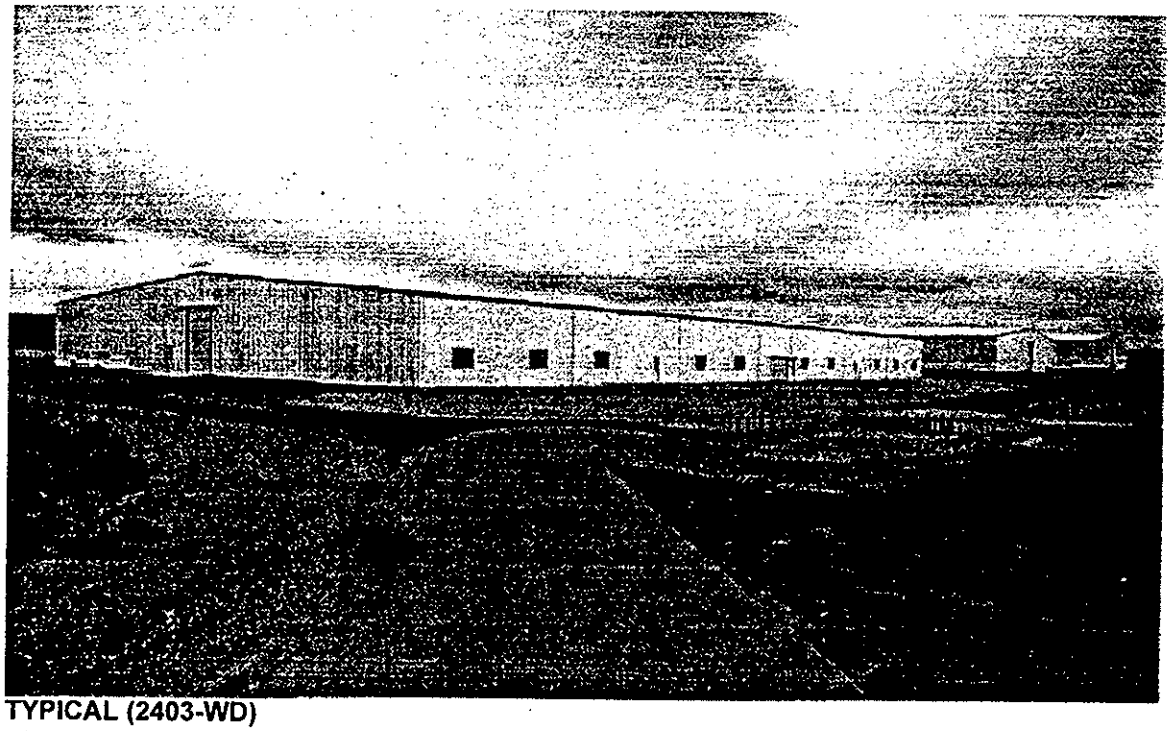
TYPICAL (2403-WA, WB, AND WC)
46°33'17"
119°38'24"

93040010-22CN
(PHOTO TAKEN 1993)

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

93040010-25CN
(PHOTO TAKEN 1993)

CENTRAL WASTE COMPLEX
WASTE STORAGE BUILDING



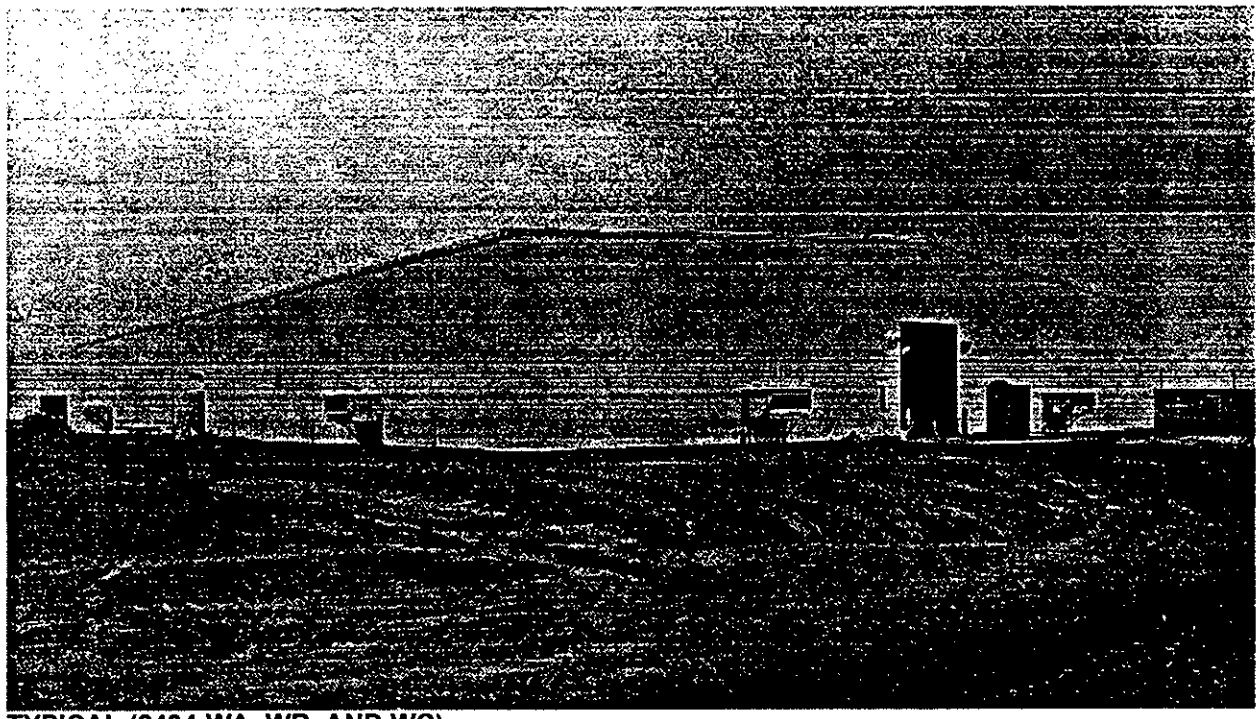
TYPICAL (2403-WD)
46°33'17"
119°38'24"

93040010-13CN
(PHOTO TAKEN 1993)

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

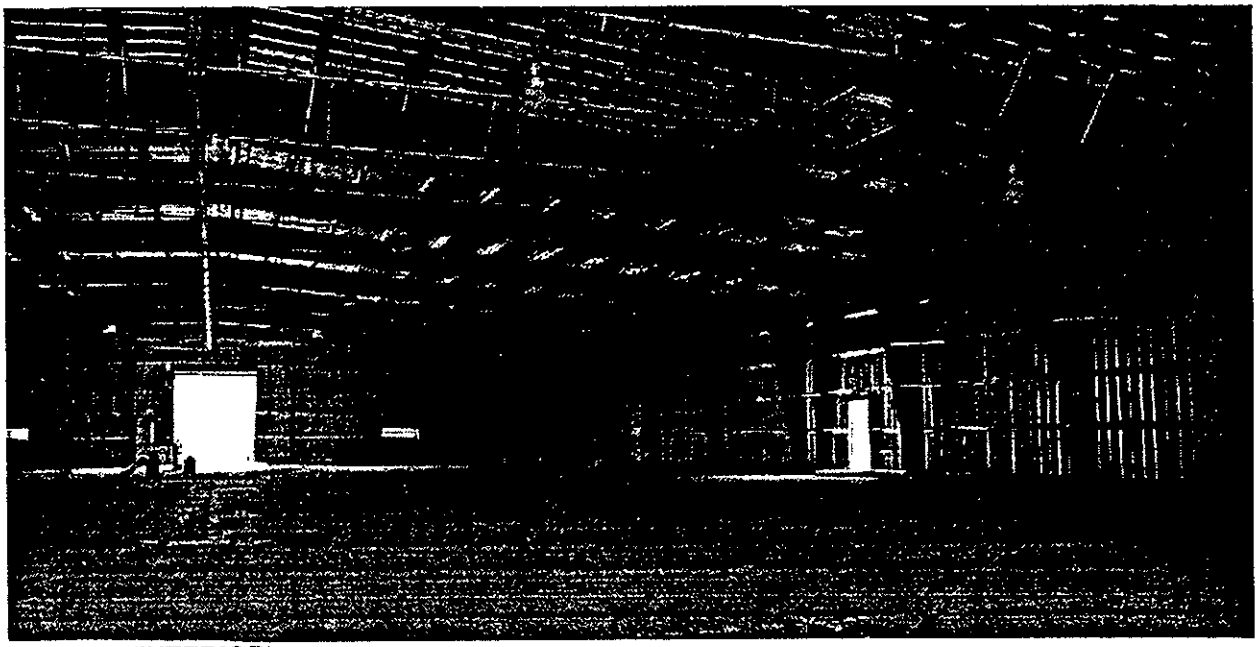
93040010-16CN
(PHOTO TAKEN 1993)

CENTRAL WASTE COMPLEX
WASTE STORAGE BUILDING



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

96080579-29CN
(PHOTO TAKEN 1996)



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

96080579-32CN
(PHOTO TAKEN 1996)

Please print or type in the unshaded areas only
(fill- in areas are spaced for elite type, i.e., 12 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 APROVED	DATE RECEIVED *(mo., day, & yr.)*	COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA/STATE I.D. Number, or if this is a revised application, enter your facility's EPA/STATE I.D. Number in Section I above.

A. FIRST APPLICATION *(place an "X" below and provide the appropriate date)*

☐ 1. EXISTING FACILITY *(See instructions for definition of "existing" facility. Complete item below.)*

MO.	DAY	YR.
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.

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

MO.	DAY	YR.

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

B. REVISED APPLICATION *9place an "X" below and complete Section I above)*

☒ 1. FACILITY HAS AN INTERIM STATUS PERMIT

☒ 2. FACILITY HAS A FINAL PERMIT

III. PROCESSES – CODES AND CAPACITIES

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

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

1. AMOUNT – Enter the amount.

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

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

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

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

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

LINE NUMBER	A. PROCESS CODE *(from list above)*	B. PROCESS DESIGN CAPACITY 1. AMOUNT *(specify)*	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE *(enter code)*	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE *(from list above)*	B. PROCESS DESIGN CAPACITY 1. AMOUNT *(specify)*	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE *(enter code)*	FOR OFFICIAL USE ONLY
X-1	S 0 2	600	G		5				
X-2	T 0 3	20	E		6				
1	S01	1,530,000	L		7				
2					8				
3					9				
4					10				

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 Immobilized High-Level Waste (IHLW) Interim Storage Unit is located in the Canister Storage Building (CSB) 212-H in the 200 East Area of the Hanford Facility. The IHLW storage process is scheduled to begin operations in February 2007.

S01

The interim storage unit will store canisters of vitrified mixed immobilized high-level waste from the treatment of Hanford Facility tank system waste. The IHLW vitrified mixed waste will be stored in vaults 2 and 3 of the CSB 212-H. Each vault contains a matrix of 22 rows of 10 storage tubes per row, plus an addition of 6 overpack tubes per vault, for a total of 226 tubes per vault. Each tube is capable of holding two 4.5 meter long immobilized high-level waste canisters. The vitrified mixed waste canisters eventually will be transported to an approved national geological repository for disposal.

The maximum process design capacity for container storage of IHLW vitrified mixed waste will be 1,530,000 liters.

IV. DESCRIPTION OF DANGEROUS WASTES

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

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

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

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

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

D. PROCESSES

1. PROCESS CODES:

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

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

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

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

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

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

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

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

CONTINUE ON PAGE 3

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

II. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	D002	610,000	K	S01	Storage - Container
2	D004				
3	through				
4	D011				
5	D018				
6	D019				
7	D022				
8	D028				
9	D029				
10	D030				
11	D033				
12	through				
13	D036				
14	D038				
15	D039				
16	D040				
17	D041				
18	D043				
19	WT01				
20	WT02				
21	WP01				
22	WP02				
23	F001				
24	through				
25	F005				Included with above.
26					

Continued from the front.

IV. DESCRIPTION OF DANGEROUS WASTE (continued)

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

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

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

VI. PHOTOGRAPHS Refer to attached photograph(s).

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

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

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

VIII. FACILITY OWNER

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

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

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

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

IX. OWNER CERTIFICATION

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

NAME *(print or type)*	SIGNATURE	DATE SIGNED
Keith A. Klein, Manager U.S. Department of Energy Richland Operations Office		6/28/99

X. OPERATOR CERTIFICATION

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

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

CONTINUE ON PAGE 5

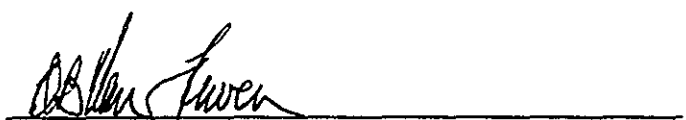
X. OPERATOR CERTIFICATION

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.

6/28/99

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

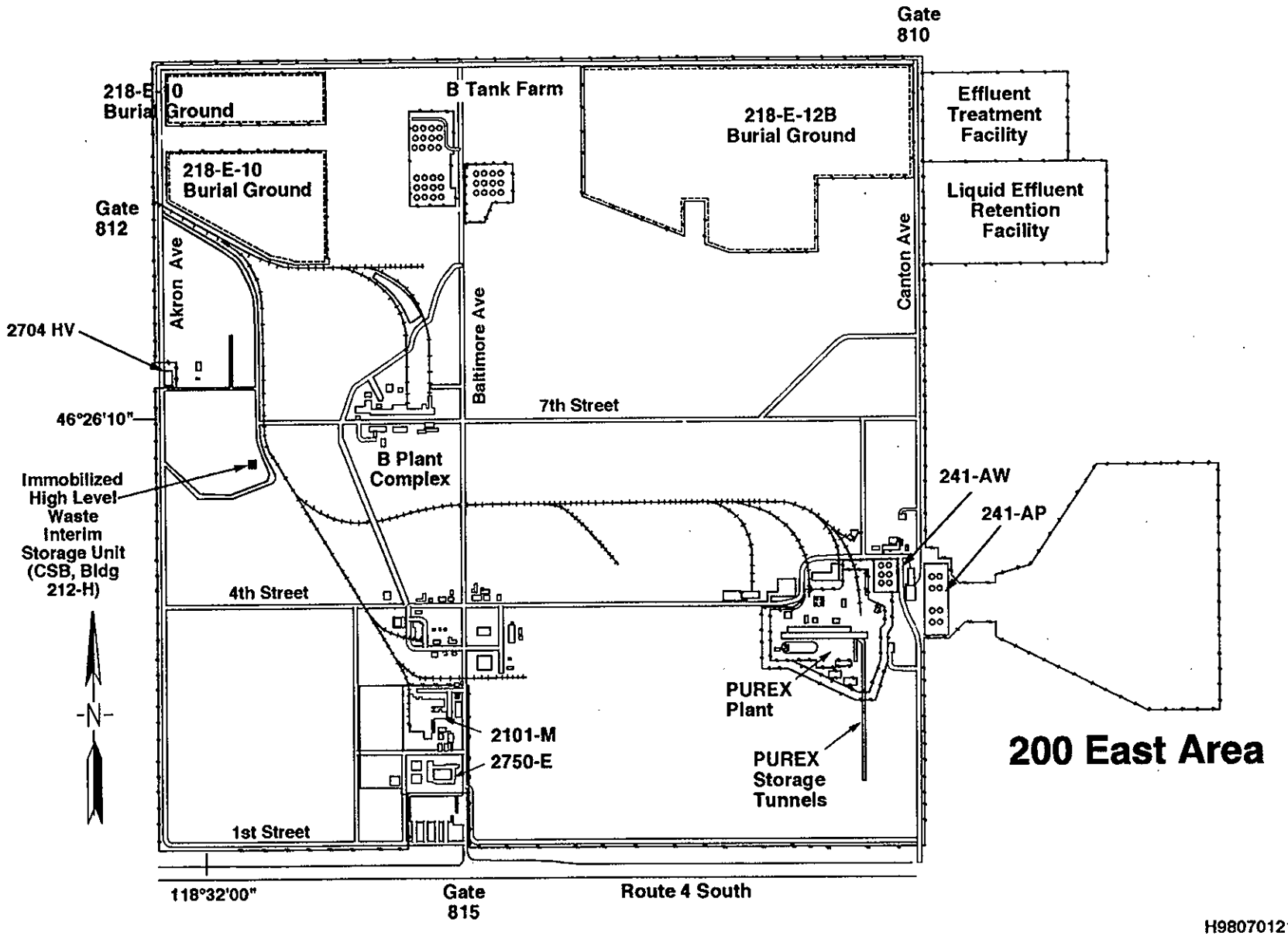
Date



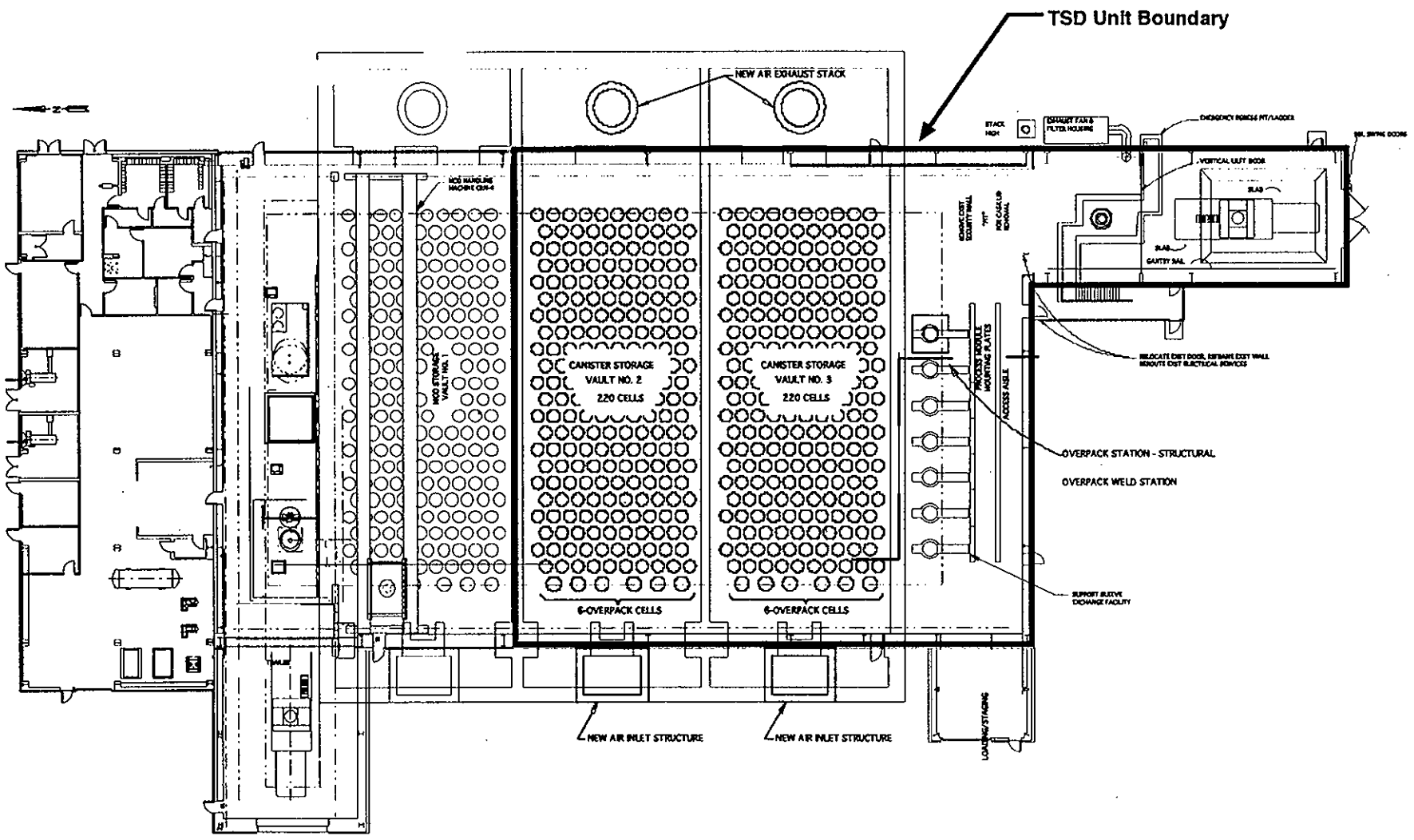
5/26/99

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

Date



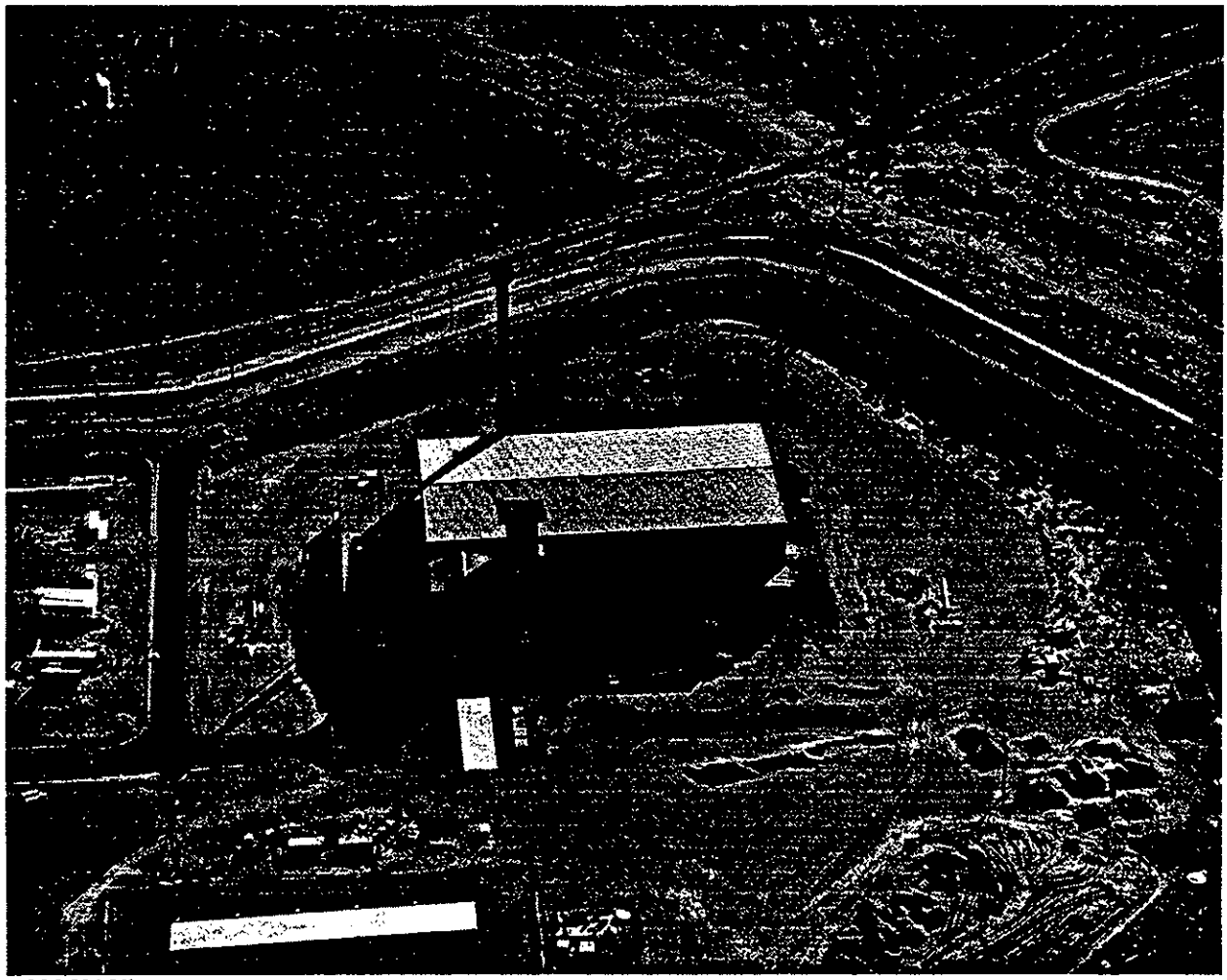
CSB = Canister Storage Building 212-H



FACILITY FLOOR PLAN

H98060028.18

IHLW Interim Storage Unit
Aerial View



46°26'10"
118°32'00"

99030146-5JPG
(PHOTO TAKEN 1999)

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

Revision

VOLUME 1

♦ = Revised this issue.

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

♦ = Revised this issue.

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♦ = Revised this issue.