PART

004414

MANUAL REVISION INSTRUCTIONS

Date 10/02/89

Custodian

SUSAN J WRAY
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Title: HANFORD SITE HAZARDOUS WASTE PART A PERMIT APPLICATION

Revision Release No.: 2

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h = Hazardous Waste Management Facility
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2.0 RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) PERMITTING STATUS

This section contains a Resource Conservation and Recovery Act (RCRA) Permitting Status table and an explanation of the table.

RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) PERMITTING STATUS (sheet 1 of 2)

UNIT	ORG	AREA	PERMIT	TYPE	INITIAL	LATEST	REV	PART B	CLOSURE	REV1	COM	CLASS
1324-N SURFACE IMPOUNDMENT	WHC	100	A/C	T	08/01/86	11/16/87	2	11/01/86	/ /	0		H
105-DR SODIUM FIRE FACILITY	WHC	100	A/C	TS	11/01/85	11/16/87	2	11/01/85	/ /	0	B/C	H
1706-KE WASTE TREATMENT SYSTEM	WHC	100	A/C	TS	08/01/86	11/16/87	2	04/01/87	/ /	0	B	M
183-H SOLAR EVAPORATION BASINS	WHC	100	A/C	TS	11/01/85	06/08/88	3	/ /	06/01/88	2		M
1301-N LIQUID WASTE DISPOSAL FAC.	WHC	100	A/C	D	08/01/86	02/02/88	3	/ /	04/01/87	0		M
1325-N LIQUID WASTE DISPOSAL FAC.	WHC	100	A/C	D	02/01/87	02/02/88	3	/ /	06/01/87	0		M
1324-NA PERCOLATION POND	WHC	100	A/C	TD	08/01/86	11/16/87	2	/ /	04/24/87	0		H
100-D PONDS	WHC	100	A/C	TD	08/01/86	11/16/87	2	/ /	04/01/87	0		H
221-T CONTAINMENT SYSTEM TEST FAC.	WHC	200W	A/C	T	11/01/85	11/16/87	2	11/01/85	/ /	0	B	H
ASHPIT SITE	WHC	200W	A/C	T	11/01/85	11/16/87	2	11/01/85	/ /	0	A	H
E-8 BORROW PIT	WHC	200E	A/C	T	11/01/85	11/16/87	2	11/01/85	/ /	0	A	H
242-A EVAPORATOR	WHC	200E	A/B	T	09/01/87	11/16/87	1	/ /	/ /			M
GROUT TREATMENT FACILITY	WHC	200E	A/B	TD	09/01/87	11/23/88	3	11/23/88	/ /	0		M
T-PLANT TREATMENT TANK	WHC	200W	A/B	T	12/01/87	12/03/87	0	/ /	/ /		B	M
241-Z TREATMENT TANK	WHC	200W	A/B	T	12/01/87	12/03/87	0	/ /	/ /		B	M
B PLANT	WHC	200E	A/B	TS	12/01/87	12/03/87	0	/ /	/ /			M
222-S LABORATORIES TANK AND PAD	WHC	200W	A/B	TS	12/01/87	12/03/87	0	/ /	/ /		B	M
204-AR WASTE UNLOADING STATION	WHC	200E	A/B	T	12/01/87	12/03/87	0	/ /	/ /		B	M
PUREX	WHC	200E	A/B	TS	12/01/87	05/19/88	1	/ /	/ /		B	M
HANFORD WASTE VITRIFICATION PLANT	WHC	200E	A/B	TS	05/01/88	07/31/89	1	07/31/89	/ /	0		M
2727-S STORAGE FACILITY	WHC	200W	A/C	S	11/01/85	11/16/87	2	/ /	02/10/89	3		H
DBL SHELL TANK FARMS	WHC	200EW	A/B	TS	09/01/87	11/16/87	1	/ /	/ /			M
HEXONE STORAGE AND TREATMENT	WHC	200W	A/C	TS	12/01/87	05/19/88	1	/ /	/ /			M
2727-WA SRE SODIUM STORAGE BUILDING	WHC	200W	A/B	S	12/01/87	12/03/87	0	/ /	/ /		B	M
PUREX TUNNELS 1 AND 2	WHC	200E	A/B	S	12/01/87	12/03/87	0	/ /	/ /			M
TRUSAF	WHC	200W	A/B	S	12/01/87	12/03/87	0	/ /	/ /			M
HANFORD CENTRAL WASTE COMPLEX	WHC	200W	A/B	TS	05/01/88	05/19/88	0	/ /	/ /			M
SINGLE-SHELL TANKS	WHC	200W	A/C	S	02/01/88	02/26/88	0	/ /	/ /			M
LOW-LEVEL BURIAL GROUNDS	WHC	200EW	A/B/C	D	11/01/85	05/19/88	3	11/06/85	/ /	0		M
216-S-10 POND AND DITCH	WHC	200W	A/C	D	02/01/87	11/16/87	2	/ /	06/01/87	0		M
2101-M POND	WHC	200E	A/C	D	08/01/86	11/16/87	2	/ /	04/01/87	0		H

RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) PERMITTING STATUS (sheet 2 of 2)

UNIT	ORG	AREA	PERMIT TYPE	INITIAL	LATEST	REV	PART B	CLOSURE	REV1	COM	CLASS
216-A-29 DITCH	WHC	200E	A/C TD	08/01/86	11/16/87	2	/ /	04/01/87	0		M
216-B-3 POND	WHC	200E	A/C TD	08/01/86	11/16/87	2	/ /	04/01/87	0		M
216-B-63 TRENCH	WHC	200E	A/C TD	08/01/86	11/16/87	2	/ /	04/01/87	0		M
216-A-10 CRIB	WHC	200E	A/C D	08/01/87	02/02/88	2	/ /	/ /		B	M
216-U-12 CRIB	WHC	200W	A/C D	08/01/87	02/02/88	2	/ /	/ /		B	M
216-A-36B CRIB	WHC	200E	A/C D	02/01/88	02/02/88	0	/ /	02/01/88	0		M
3718-F ALKALI METAL TREATMENT FAC.	WHC	300	A/B TS	11/01/85	11/16/87	2	11/06/85	/ /	0		H
324 SODIUM REMOVAL PILOT PLANT	PNL	300	A/B T	11/01/85	05/19/88	3	11/01/85	/ /	0	B	M
304 CONCRETION FACILITY	WHC	300	A/C TS	08/01/86	02/22/89	3	/ /	/ /			M
300 AREA SOLVENT EVAPORATOR	WHC	300	A/C T	11/01/85	02/08/89	3	/ /	02/10/89	3		M
300 AREA WASTE ACID TREATMENT	WHC	300	A/B/C TS	09/01/87	05/19/88	2	/ /	/ /			M
303-M OXIDE FACILITY	WHC	300	A/B T	05/01/88	05/19/88	0	/ /	/ /			M
325 WASTE TREATMENT FACILITY	PNL	300	A/B T	05/01/88	05/19/88	0	/ /	/ /			M
BIOLOGICAL TREATMENT TEST FACS.	PNL	300	A/B O	05/01/88	05/19/88	0	/ /	/ /			M
PHYSICAL & CHEMICAL TREATMENT FACS.	PNL	300	A/B O	05/01/88	05/19/88	0	/ /	/ /			M
THERMAL TREATMENT TEST FACILITIES	PNL	300	A/B O	05/01/88	05/19/88	0	/ /	/ /			M
311 TANKS	WHC	300	A/B S	/ /	11/16/87	1	/ /	/ /		B	M
303-K STORAGE FACILITY	WHC	300	A/C S	08/01/87	11/16/87	1	/ /	/ /			M
305-B STORAGE FACILITY	PNL	300	A/B TS	05/01/88	05/19/88	0	/ /	/ /			M
332 STORAGE FACILITY	PNL	300	A/B S	05/01/88	05/19/88	0	/ /	/ /			M
300 AREA PROCESS TRENCHES	WHC	300	A/PC D	11/01/85	11/16/87	2	/ /	11/06/85	0		M
MAINTENANCE AND STORAGE FACILITY	WHC	400	A/B T	11/01/85	11/16/87	2	11/01/85	/ /	0		M
4843 ALKALI METAL STORAGE FACILITY	WHC	400	A/B S	09/01/87	11/16/87	1	/ /	/ /			M
HANFORD PAT. ACAD. DEMOLITION SITE	WHC	600	A/B T	11/01/85	11/16/87	2	11/01/85	/ /	0	A	H
616 STORAGE FACILITY	WHC	600	A/B S	11/01/85	07/31/89	3	07/31/89	/ /	1		H
NONRAD DANGEROUS WASTE LANDFILL	WHC	600	A/C D	11/01/85	11/16/87	2	11/06/85	/ /	0		H
SIMULATED HLW TREATMENT STORAGE	PNL	1100	A/C TS	05/01/88	05/19/88	0	/ /	/ /			M

Explanation of "Dangerous Waste Regulations Permitting Status" table.

UNIT — Name of unit that is designated for permitting as part of the Hanford Facility (EPA/State identification number WA7890008967).

ORG — Name of organization (company) that has contract to operate unit for Department of Energy.

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

AREA — The area of the Hanford Site facility in which the unit is located.

- 100 -- 100 area, includes N Reactor.
- 200E -- 200 East area, includes chemical processing such as PUREX.
- 200W -- 200 West area, includes chemical processing such as REDOX.
- 200EW -- Parts of unit are located in both 200 East and 200 West areas.
- 300 -- 300 area, includes research, development and fuel fabrication.
- 400 -- 400 area, includes Fast Flux Test Facility (FFTF).
- 500 -- Unused designation.
- 600 -- 600 area, includes non radioactive dangerous waste landfill.
- 1100 -- 1100 area, includes maintenance and shipping units.

PERMIT — Type of RCRA Permit Application that is required to obtain the desired type of permit.

- A -- Part A.
- B -- Part B.
- C -- Closure Plan or Permit.
- PC -- Post-Closure Plan.

Explanation of "Dangerous Waste Regulations Permitting Status" table.

TYPE		Waste unit RCRA operational classification.
		T -- Treatment.
		S -- Storage.
		D -- Disposal.
		O -- Other.
INITIAL		Date the initial Part A Permit Application was submitted to the Washington State Department of Ecology.
		08/01/88 -- month/day/year.
LATEST		Date the latest Part A Permit Application was submitted to the Washington State Department of Ecology.
		08/01/88 -- month/day/year.
REV		Last revision of the Part A Permit Application that was submitted to the Washington State Department of Ecology.
PART B		Date the last Part B Permit Application was submitted to the Washington State Department of Ecology.
		08/01/88 -- month/day/year.
CLOSURE		Date the last Closure or Post-Closure Plan Permit Application was submitted to the Washington State Department of Ecology.
		08/01/88 -- month/day/year.
COMMENTS	A	Three demolition sites formerly combined into one application.
	B	Application will be withdrawn.
	C	Subsequently determined that a Closure Plan would be prepared.
	D	Currently in design stage.
	E	Evaluating treatment by generator.
	F	Application may be withdrawn.
CLASS	M	Unit contains mixed radioactive waste and dangerous waste.
	H	Unit contains no radioactive waste. All units on this list contain dangerous waste.

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

FORM 3

DANGEROUS WASTE PERMIT APPLICATION

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

FOR OFFICIAL USE ONLY

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

II. FIRST OR REVISED APPLICATION

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

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

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

MO. 0 9 DAY YR. 8 7 — FOR EXISTING FACILITIES, PROVIDE THE DATE (mo., day, & yr.) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (see the boxes to the left)

☐ 2. NEW FACILITY (Complete item below.)

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

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

☒ 1. FACILITY HAS AN INTERIM STATUS PERMIT

☐ 2. FACILITY HAS A FINAL PERMIT

III. PROCESSES — CODES AND DESIGN CAPACITIES

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

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

LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT (specify)	B. 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. 2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY
X-1	S02	600	G		5	S02	138,000	G	
X-2	T03	20	E		6	S02	112,000	G	
1	T01	8,800	U		7				
2	T01	17,600	U		8				
3	T01	135	U		9				
4	S02	106,000	G		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.

T01, S02 (Vitrification and Related Treatment and Storage Processes)
The Hanford Waste Vitrification Plant (HWVP) will be located in the 200 East Area of the Hanford Site. At the HWVP, mixed waste received from a pretreatment facility will be treated in a series of tanks. Treatment (T01) will include concentration by evaporation, adjustment with chemicals and glass forming materials, and immobilization in borosilicate glass (vitrification). The vitrified waste will be cast into stainless steel canisters and stored at the HWVP until they are shipped to a national repository. The HWVP is designed to treat 8,800 gallons of mixed waste per day, producing 220 pounds of glass per hour. The dangerous waste treatment tanks will also be capable of storing dangerous wastes (S02) under off-normal conditions. The total storage capacity of tanks included in the vitrification process is 106,000 gallons.

(continued on next page)

IV. DESCRIPTION OF DANGEROUS WASTES

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

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

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

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

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

D. PROCESSES

1. PROCESS CODES:

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

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

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

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

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

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

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

LINE	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	K054	900	P	T03 D80	
X-2	D002	400	P	T03 D80	
X-3	D001	100	P	T03 D80	
X-4	D002			T03 D80	included with above

CONTINUATION OF III.C. PROCESSES - CODES AND DESIGN CAPACITIES

T01, S02, (Tank Treatment and Storage of Secondary Mixed Waste)--Secondary liquid mixed waste generated by the HWVP will be collected and treated (T01) in a series of tanks. Treatment will include neutralization, filtration, molecular sieve absorption, and evaporation. The high-activity fraction from the treatment process will be recycled. The remainder will be transferred to double-shell tanks. Treatment design capacity will be 17,600 gallons of mixed waste per day. The dangerous waste treatment tanks also will be capable of storing dangerous wastes (S02) under off-normal conditions. The total storage capacity of tanks handling secondary mixed waste is 138,000 gallons.

T01, S02 (Neutralization, Solar Evaporation, and Tank Storage of Secondary Nonradioactive Dangerous Waste)--Secondary nonradioactive dangerous waste generated from leaks, spills, and/or overflows from chemical storage, makeup, and feed tanks will be collected, treated in a series of tanks, and stored (S02) at the HWVP. Treatment (T01) will include neutralization, concentration by solar evaporation, and decomposition of dangerous constituents during storage. Treatment design capacity is 135 gallons per day with a storage design capacity of 112,000 gallons.

Note--Subsequent modifications may be made to this Part A permit application (and the Part B permit application, Revision 0, dated July 31, 1989) based on the disposition of the following two items currently under consideration by the Washington State Department of Ecology: (1) qualification of the HWVP as an interim status facility, and (2) evaluation of the potential for listed waste in double-shell tanks.

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

I.D. NUMBER (enter from page 1): WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	WT01	19,000,000	P	T01 S02	Vitrification and related treat-
2	D002				ment and storage processes
3	D005				Included in above
4	D006				Included in above
5	D007				Included in above
6	D008				Included in above
7	D010				Included in above
8	D011				Included in above
9	WT01	38,000,000	P	T01 S02	Tank treatment and storage of
10	D002				secondary mixed waste
11	D005				Included in above
12	D006				Included in above
13	D007				Included in above
14	D008				Included in above
15	D010				Included in above
16	D011				Included in above
17	U123				Included in above
18	WT02	409,500	P	T01 S02	Neutralization, solar
19	D002				evaporation, and tank storage of
20	U123				secondary nonradioactive
21					dangerous waste
22					
23					
24					
25					
26					

Continued from the front

V. DESCRIPTION OF DANGEROUS WASTES *(continued)*

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

The mixed waste treated at the HWVP will consist of existing and future high-activity Defense Waste stored in double-shell tanks. This waste is expected to be designated as an Extremely Hazardous Waste (EHW) due to toxicity, and also designated as a Dangerous Waste (DW) due to corrosivity and EP toxicity.

Secondary liquid mixed waste is expected to be designated a Dangerous Waste (DW) or an Extremely Hazardous Waste (EHW) due to toxicity, corrosivity, EP toxicity, and/or a discarded chemical product (formic acid). Treatment is expected to eliminate the characteristics that result in an EHW designation before the waste is transferred out of the facility.

Secondary nonradioactive chemical waste treated and stored at the HWVP is expected to include waste that is EHW or DW due to toxicity, corrosivity, and/or a discarded chemical product (formic acid). Treatment at the HWVP is expected to eliminate the characteristics that result in an EHW designation before the waste is treated further and stored in the Solar Evaporation Tank.

V. FACILITY DRAWING

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

VI. PHOTOGRAPHS

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

VII. FACILITY GEOGRAPHIC LOCATION *This information is provided on attached drawing and photo

LATITUDE *(degrees, minutes & seconds)*	LONGITUDE *(degrees, minutes, & seconds)*
46 33 018	119 32 000

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
Michael J. Lawrence Manager, Richland Operations United States Department of Energy	Michael J. Lawrence	7-28-89

X. OPERATOR CERTIFICATION

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

NAME *(print or type)*	SIGNATURE	DATE SIGNED
See Attachment		

X. OPERATOR CERTIFICATION

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

John E. Nolan — 6/28/89

Co-operator
John E. Nolan, President
Westinghouse Hanford Company

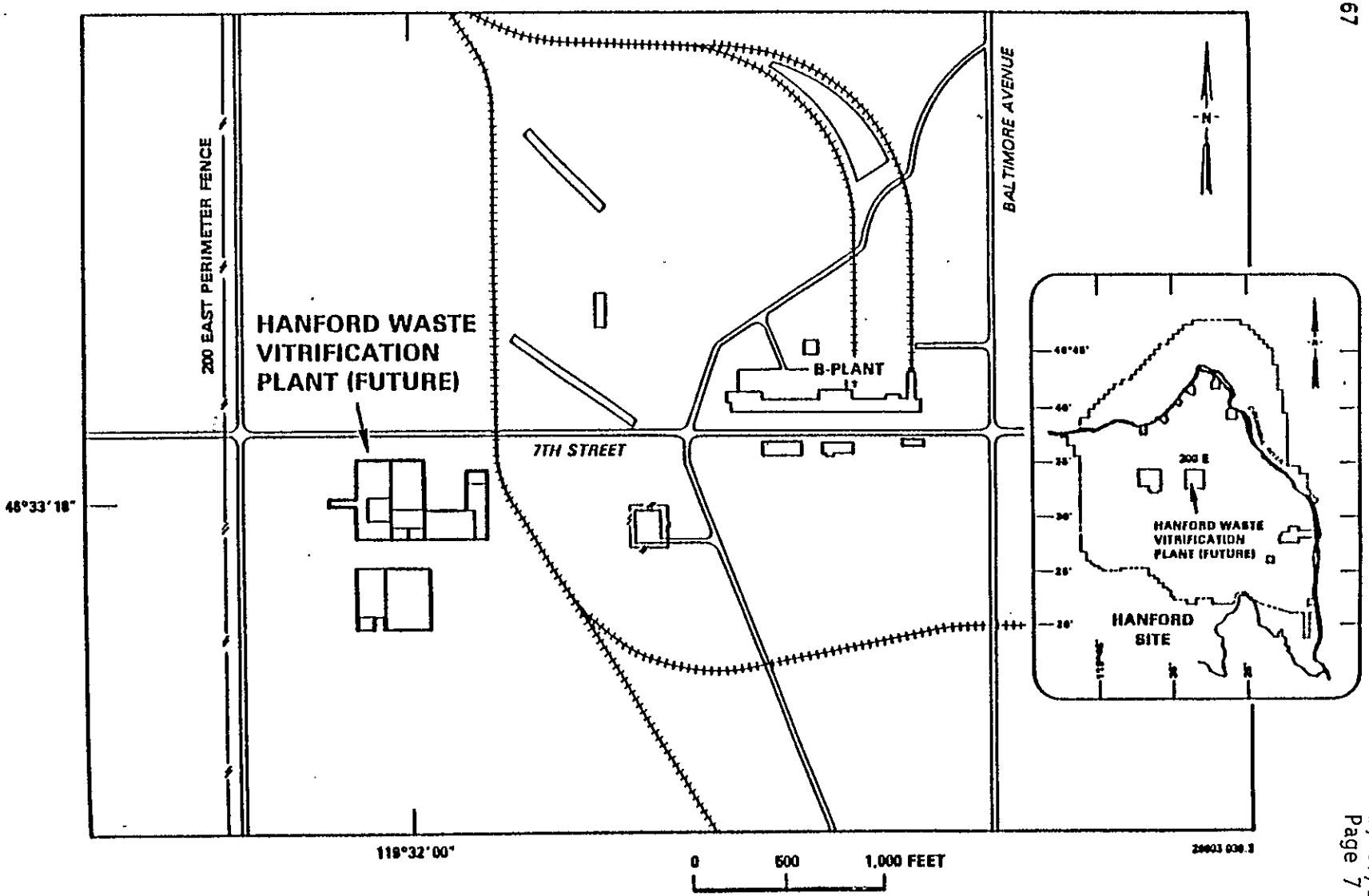
Date

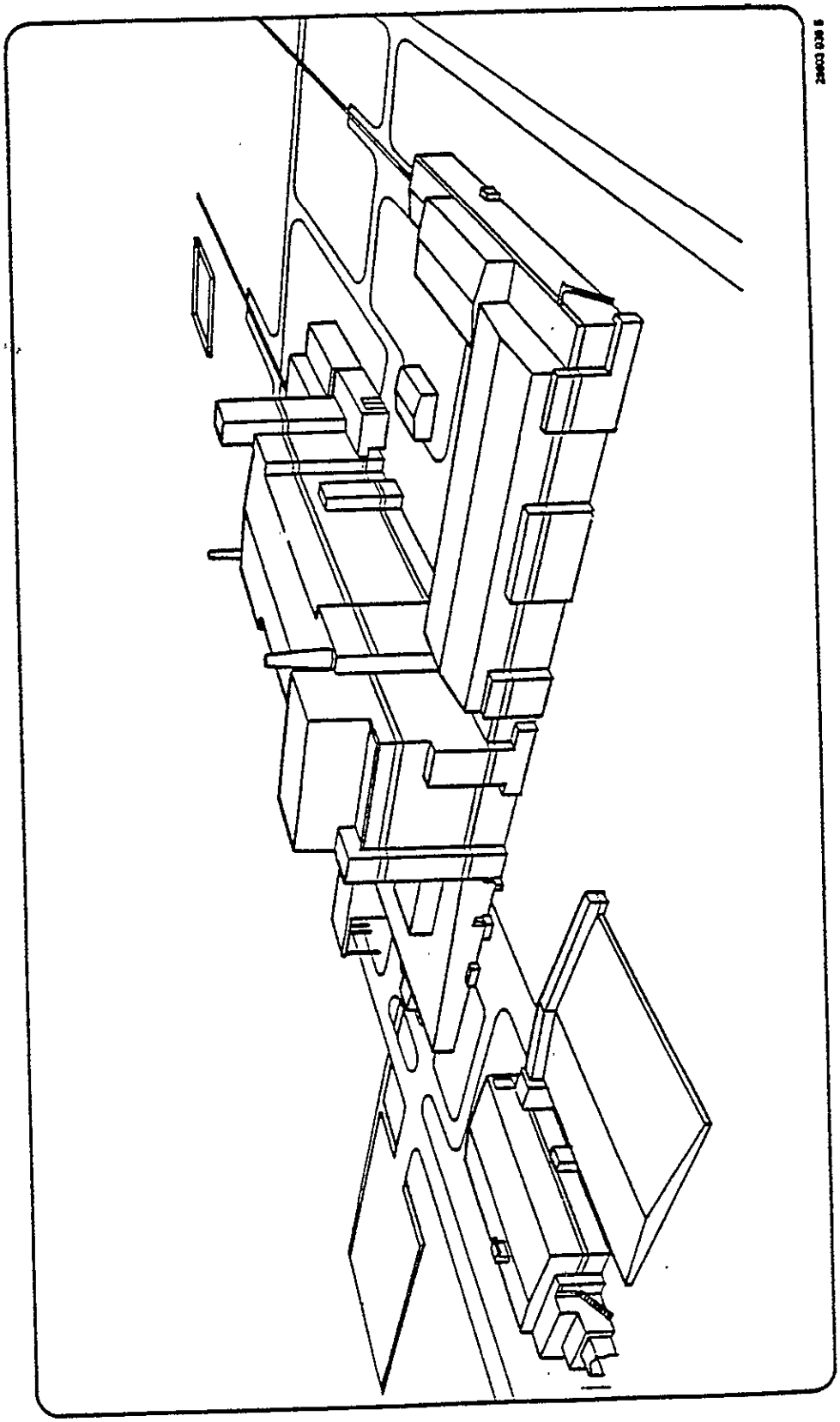
Michael J. Lawrence — 7/28/89

Owner/Operator
Michael J. Lawrence, Manager
U.S. Department of Energy
Richland Operations Office

Date

HANFORD WASTE VITRIFICATION PLANT
FUTURE SITE PLAN





HANFORD WASTE VITRIFICATION PLANT
FUTURE FACILITY LAYOUT

HANFORD WASTE VITRIFICATION PLANT PROPOSED LOCATION

46°33'18"
119°32'00"

8600906-13CN

(PHOTO TAKEN 1986)

78907200.1

FORM 3

DANGEROUS WASTE PERMIT APPLICATION

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

FOR OFFICIAL USE ONLY

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

II. FIRST OR REVISED APPLICATION

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

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

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

MO. 0 9 DAY 1 YR. 8 6 — FOR EXISTING FACILITIES, PROVIDE THE DATE (mo., day, & yr.) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left)

☐ 2. NEW FACILITY (Complete item below.)

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

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

☒ 1. FACILITY HAS AN INTERIM STATUS PERMIT

☐ 2. FACILITY HAS A FINAL PERMIT

III. PROCESSES — CODES AND DESIGN CAPACITIES

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

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

LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT (specify)	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT (specify)	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY
X-1	S02	600	G		5				
X-2	T03	20	E		6				
1	S01	26,500	G		7				
2					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.

S01
The 616 Nonradioactive Dangerous Waste Storage Facility (NRDWSF) is located between the 200 East and 200 West Areas on the Hanford Site. The NRDWSF provides container storage for nonradioactive dangerous wastes generated in the research and development laboratories, process operations, maintenance and transportation functions throughout the Hanford Site. Wastes are only stored at the NRDWSF until arrangements can be made to ship the waste to a permitted offsite treatment, storage, or disposal facility. The NRDWSF is capable of storing up to 26,500 gallons of nonradioactive dangerous wastes in U.S. Department of Transportation approved containers.

IV. DESCRIPTION OF DANGEROUS WASTES

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

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

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

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

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

D. **PROCESSES**

1. PROCESS CODES:

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

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

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

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

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

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

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

LINE	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)				D. PROCESSES 2. PROCESS DESCRIPTION (If a code is not entered in D(1))
X-1	K054	900	P	T03	D80			
X-2	D002	400	P	T03	D80			
X-3	D001	100	P	T03	D80			
X-4	D002			T03	D80			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 (enter from page 1): WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	D001	65,000	K	S01	Storage
2	D002	50,000			
3	D003	5,000			
4	D004				
5	D005				
6	D006	20,000			
7	D007	35,000			
8	D008	30,000			
9	D009	17,000			
10	D010	5,000			
11	D011				
12	D012				
13	D013				
14	D014				
15	D015				
16	D016				
17	D017				
18	WC01	22,000			
19	WC02	30,000			
20	WP01	24,000			
21	WP02	5,000			
22	WP03	4,000			
23	WT01	80,000			
24	WT02	114,000			
25					
26					

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

I.D. NUMBER (enter from page 1): WA789000897

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	F001	4,000	K	S01	Storage
2	F002	13,000			
3	F003	26,000			
4	F004	3,000			
5	F005	26,000			
6	F006	500			
7	F007				
8	F008				
9	F009				
10	F010				
11	F011				
12	F012				
13	F019				
14	F020				
15	F021				
16	F022				
17	F023				
18	F024				
19	F026	↓			
20	F027	800			
21	F028	500	↓	↓	↓
22	W001	500	K	S01	Storage
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 (enter from page 1)
WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (If a code is not entered in D(1))
1	P001	500	K	S01	Storage
2	P002				
3	P003				
4	P004				
5	P005				
6	P006				
7	P007				
8	P008				
9	P009				
10	P010				
11	P011				
12	P012				
13	P013				
14	P014				
15	P015				
16	P016				
17	P017				
18	P018				
19	P020				
20	P021				
21	P022				
22	P023				
23	P024				
24	P025				
25	P026				
26	P027				

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

I.D. NUMBER (enter from page 1): WA 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (If a code is not entered in D(1))
1	P 0 2 8	500	K	S 0 1	Storage
2	P 0 2 9				
3	P 0 3 0				
4	P 0 3 1				
5	P 0 3 3				
6	P 0 3 4				
7	P 0 3 5				
8	P 0 3 6				
9	P 0 3 7				
10	P 0 3 8				
11	P 0 3 9				
12	P 0 4 0				
13	P 0 4 1				
14	P 0 4 2				
15	P 0 4 3				
16	P 0 4 4				
17	P 0 4 5				
18	P 0 4 6				
19	P 0 4 7				
20	P 0 4 8				
21	P 0 4 9				
22	P 0 5 0				
23	P 0 5 1				
24	P 0 5 2				
25	P 0 5 4				
26	P 0 5 6				

Continued from page 2.

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

I.D. NUMBER (enter from page 1): WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	P057	500	K	S01	Storage
2	P058				
3	P059				
4	P060				
5	P062				
6	P063				
7	P064				
8	P065				
9	P066				
10	P067				
11	P068				
12	P069				
13	P070				
14	P071				
15	P072				
16	P073				
17	P074				
18	P075				
19	P076				
20	P077				
21	P078				
22	P079				
23	P081				
24	P082				
25	P084				
26	P085				

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

I.D. NUMBER (enter from page 1): WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter codes)	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	P087	500	K	S01	Storage
2	P088				
3	P089				
4	P092				
5	P093				
6	P094				
7	P095				
8	P096				
9	P097				
10	P098				
11	P099				
12	P101				
13	P102				
14	P103				
15	P104				
16	P105				
17	P106				
18	P107				
19	P108				
20	P109				
21	P110				
22	P111				
23	P112				
24	P113				
25	P114				
26	P115				

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

I.D. NUMBER (enter from page 1)
WA 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	P116	500	K	S01	Storage
2	P118				
3	P119				
4	P120				
5	P121				
6	P122				
7	P123				
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
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 (enter from page 1): WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)				D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U001	500	K	S01				Storage
2	U002	1,000						
3	U003	↓						
4	U004	500						
5	U005							
6	U006							
7	U007							
8	U008							
9	U009							
10	U010							
11	U011							
12	U012							
13	U014							
14	U015							
15	U016							
16	U017							
17	U018							
18	U019							
19	U020							
20	U021							
21	U022							
22	U023							
23	U024							
24	U025							
25	U026							
26	U027	↓	↓	↓				↓

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

I.D. NUMBER (enter from page 1): WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U028	500	K	S01	Storage
2	U029				
3	U030				
4	U031				
5	U032	1,000			
6	U033	500			
7	U034				
8	U035				
9	U036				
10	U037				
11	U038				
12	U039				
13	U040				
14	U041				
15	U042				
16	U043				
17	U044	1,000			
18	U045	500			
19	U046				
20	U047				
21	U048				
22	U049				
23	U050				
24	U051	2,000			
25	U052	500			
26	U053				

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

I.D. NUMBER (enter from page 1): WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (If a code is not entered in D(1))
1	U055	500	K	S01	Storage
2	U056				
3	U057				
4	U058				
5	U059				
6	U060				
7	U061				
8	U062				
9	U063				
10	U064				
11	U066				
12	U067				
13	U068				
14	U069				
15	U070				
16	U071				
17	U072				
18	U073				
19	U074				
20	U075				
21	U076				
22	U077				
23	U078				
24	U079				
25	U080				
26	U081				

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

I.D. NUMBER (enter from page 1)
WA 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	U082	500	K	S01	Storage
2	U083				
3	U084				
4	U085				
5	U086				
6	U087				
7	U088				
8	U089				
9	U090				
10	U091				
11	U092				
12	U093				
13	U094				
14	U095				
15	U096				
16	U097				
17	U098				
18	U099				
19	U101				
20	U102				
21	U103				
22	U105				
23	U106				
24	U107				
25	U108				
26	U110				

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

I.D. NUMBER (enter from page 1)
WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U111	500	K	S01	Storage
2	U112				
3	U113				
4	U115				
5	U116				
6	U117				
7	U118				
8	U119				
9	U120				
10	U121				
11	U122				
12	U123				
13	U124				
14	U125				
15	U126				
16	U127				
17	U128				
18	U129				
19	U130				
20	U131				
21	U132				
22	U133	2,000			
23	U134	1,000			
24	U135	500			
25	U136				
26	U137				

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

I.D. NUMBER (enter from page 1): WA 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	U138	500	K	S01	Storage
2	U139				
3	U140				
4	U141				
5	U142				
6	U143				
7	U144				
8	U145	1,000			
9	U146	500			
10	U147				
11	U148				
12	U149				
13	U150				
14	U151	3,000			
15	U152	500			
16	U153				
17	U154	1,000			
18	U155	500			
19	U156				
20	U157				
21	U158				
22	U159				
23	U160				
24	U161				
25	U162				
26	U163				

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

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

I.D. NUMBER (enter from page 1): WA7890010089677

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U164	500	K	S01	Storage
2	U165				
3	U166				
4	U167				
5	U168				
6	U169				
7	U170				
8	U171				
9	U172				
10	U173				
11	U174				
12	U175				
13	U176				
14	U177				
15	U178				
16	U179				
17	U180				
18	U181				
19	U182				
20	U183				
21	U184				
22	U185				
23	U186				
24	U187				
25	U188				
26	U189				

9011171077

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

ID NUMBER (enter from page 1)
WA789000896 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	U190	500	K	S01	Storage
2	U191				
3	U192				
4	U193				
5	U194				
6	U196				
7	U197				
8	U200				
9	U201				
10	U202				
11	U203				
12	U204				
13	U205				
14	U206				
15	U208				
16	U209				
17	U210				
18	U211				
19	U213				
20	U214				
21	U215				
22	U216				
23	U217				
24	U218				
	U219				
26	U220				

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

I.D. NUMBER (enter from page 1): WA789000896 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U221	500	K	S01	Storage
2	U222	↓	↓	↓	↓
3	U223	1,500			
4	U225	↓			
5	U226	3,000			
6	U227	500			
7	U228	1,000			
8	U231	500			
9	U234	↓			
10	U235	1,000			
11	U236				
12	U237	↓			
13	U238	500			
14	U239	1,000			
15	U240	5,000			
16	U242	500			
17	U243	↓			
18	U244	1,000			
19	U245	500			
20	U246				
21	U247				
22	U328				
23	U353				
24	U359	↓	↓	↓	↓
25					
26					

Continued from the front

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

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

The NRDWSF is used for the storage of nonradioactive dangerous wastes generated on the Hanford Site. These wastes consist of listed wastes, wastes from non-specific sources, characteristic wastes, and state-only wastes.

V. FACILITY DRAWING

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

VI. PHOTOGRAPHS

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

VII. FACILITY GEOGRAPHIC LOCATION *This information appears on the attached drawing and photograph.

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
Michael J. Lawrence Manager, Richland Operations United States Department of Energy	Michael J. Lawrence	7-28-89

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		

616 NONRADIOACTIVE DANGEROUS WASTE STORAGE FACILITY

X. OPERATOR CERTIFICATION

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

John E. Nolan

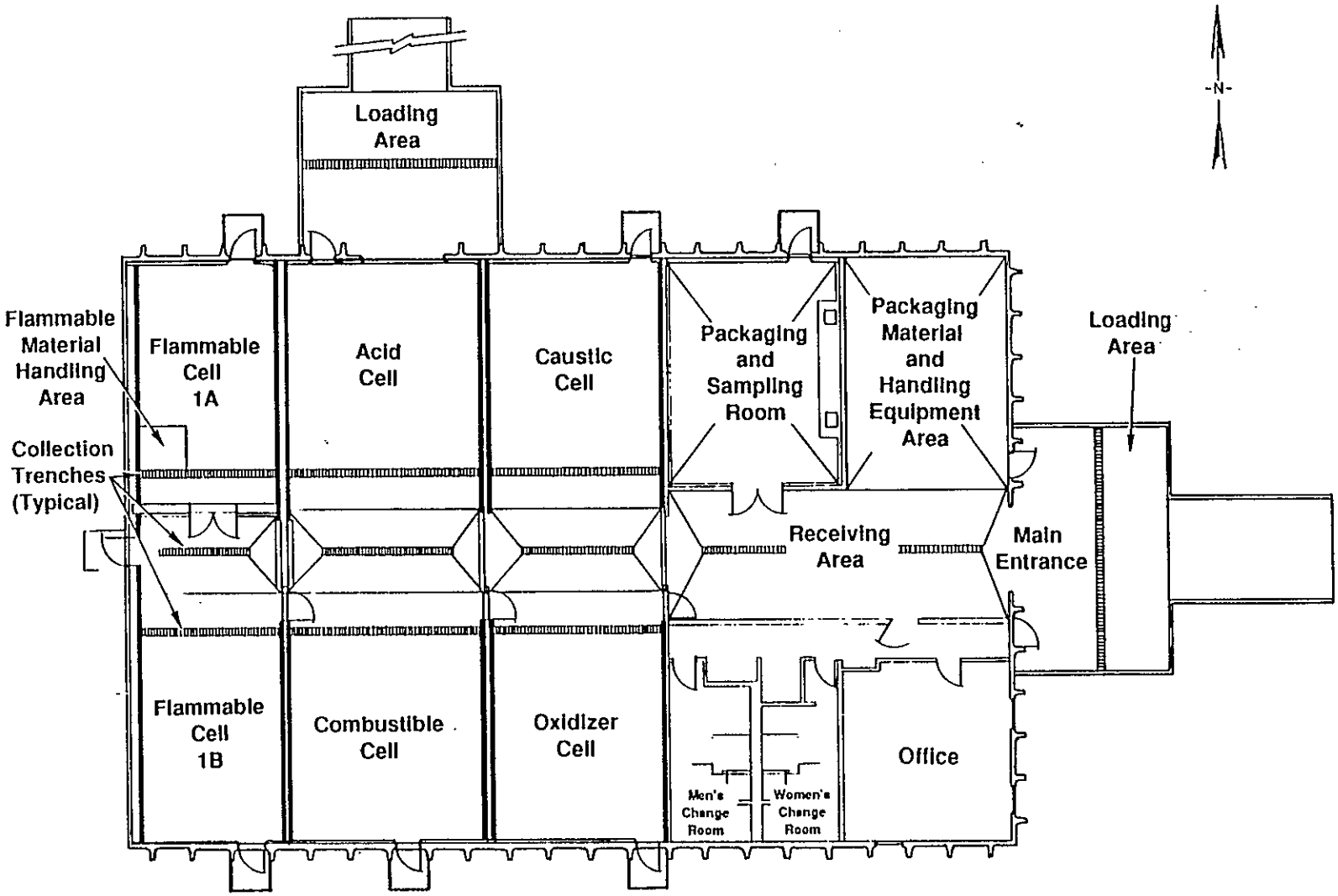
Co-operator
John E. Nolan, President
Westinghouse Hanford Company

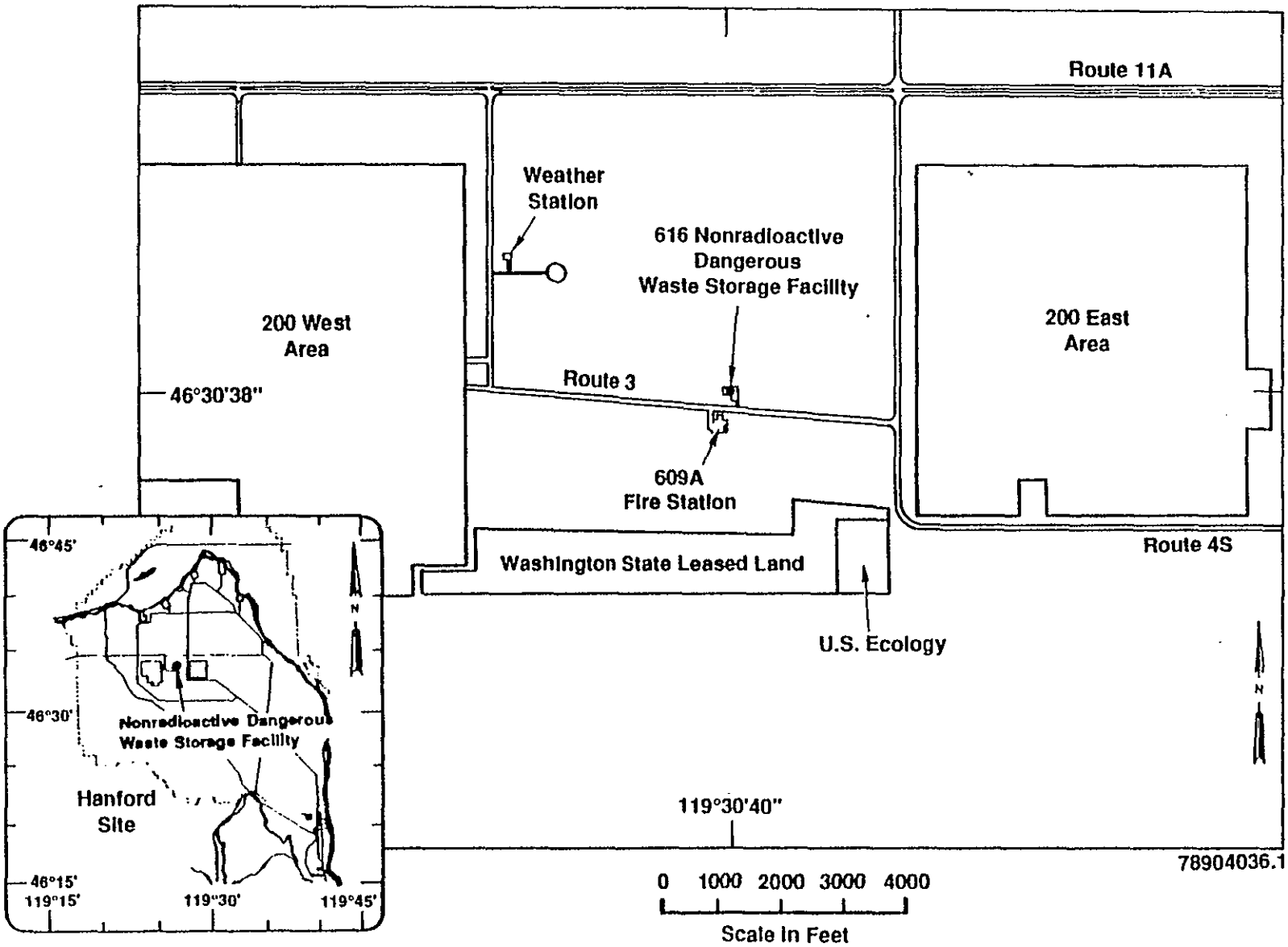
7/13/89
Date

Michael J. Lawrence

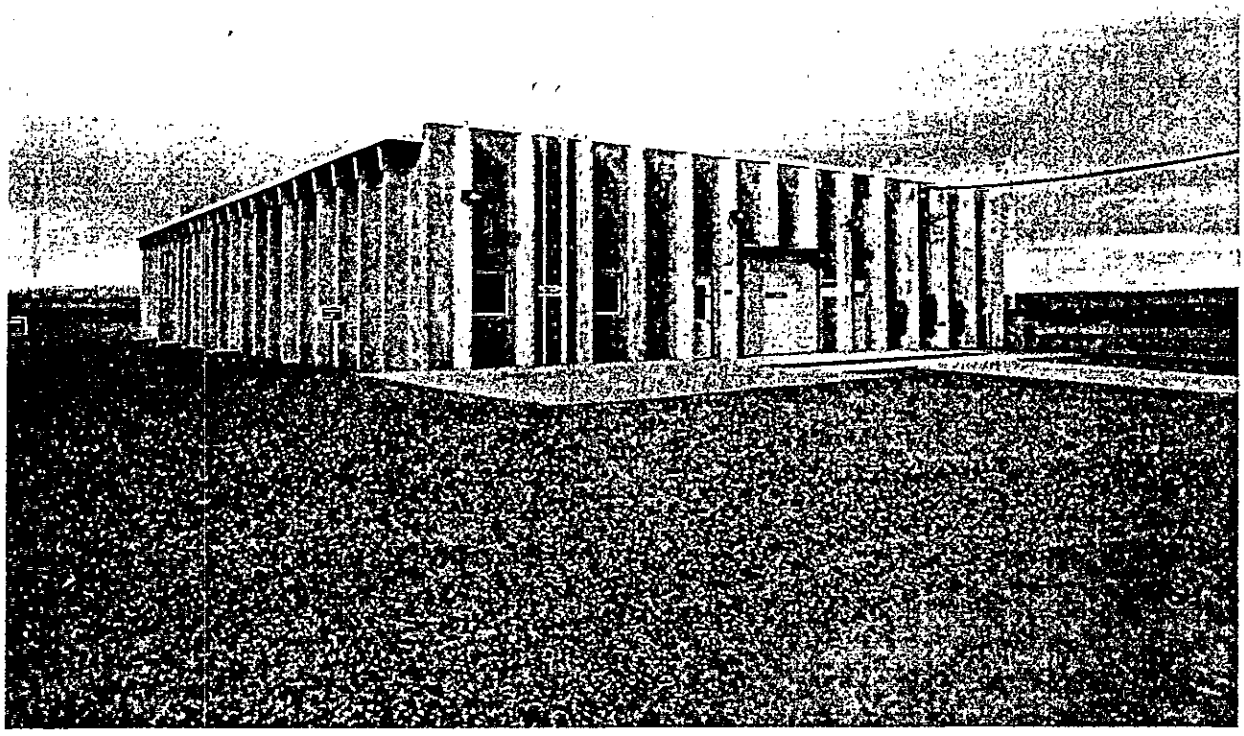
Owner/Operator
Michael J. Lawrence, Manager
U.S. Department of Energy
Richland Operations Office

7/28/89
Date


Loading Area
Flammable Material Handling Area
Collection Trenches (Typical)
Flammable Cell 1A
Acid Cell
Caustic Cell
Packaging and Sampling Room
Packaging Material and Handling Equipment Area
Loading Area
Receiving Area
Main Entrance
Flammable Cell 1B
Combustible Cell
Oxidizer Cell
Men's Change Room
Women's Change Room
Office
N


Route 11A
Weather Station
616 Nonradioactive Dangerous Waste Storage Facility
200 West Area
200 East Area
Route 3
46°30'38"
609A Fire Station
Washington State Leased Land
Route 4S
U.S. Ecology
119°30'40"
0 1000 2000 3000 4000
Scale In Feet
78904036.1
46°45'
46°30'
46°15'
119°15'
119°30'
119°45'
Nonradioactive Dangerous Waste Storage Facility
Hanford Site

616 STORAGE FACILITY



46°33'09"
119°34'35"

8700742-42CN

(PHOTO TAKEN 1987)

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