

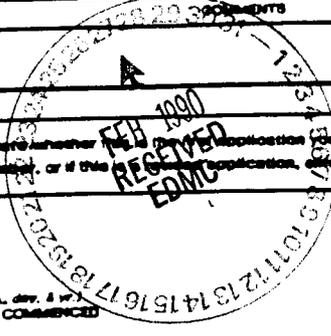
USE PREVIOUS EDITIONS OF THIS FORM UNLESS INDICATED OTHERWISE (All areas are optional for this form, i.e., 12 characters/line).

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

FOR OFFICIAL USE ONLY APPLICATION APPROVED DATE RECEIVED

II. FIRST OR REVISED APPLICATION Place an 'X' in the appropriate box in A or B below to indicate whether this is your first application or a revised application.

A. FIRST APPLICATION 1. EXISTING FACILITY 2. NEW FACILITY FOR NEW FACILITIES, PROVIDE THE DATE OPERATION BEGAN OR IS EXPECTED TO BEGIN



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

Table with columns: PROCESS, PRO-CESS CODE, APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY, UNIT OF MEASURE. Includes categories like Storage, Treatment, and Incinerator.

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.

Table for Section III B. PROCESS DESIGN CAPACITY with columns for Amount, Unit of Measure, and Official Use Only. Includes rows X-1, X-2, 1, 2, 3, 4.

\* Process Code S05 is being utilized to designate the 600 Area Purgewater Storage and Treatment Facility as 'miscellaneous units' per the proposed Washington State Dangerous Waste Regulation 173-303 'Subpart X'.

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

S05 - The 600 Area Purge Water Storage and Treatment Facility consists of six above ground 1,000,000 gallon miscellaneous units, with a combined total capacity of 6,000,000 gallons. These units are located in the 600 Area, north of the 216-B-3 Pond. The purgewater storage and treatment miscellaneous units are used for interim storage and treatment of purgewater generated from the groundwater monitoring wells located throughout the Hanford Site. The purgewater is generated when a groundwater monitoring well is developed or groundwater samples are obtained. The purgewater from a groundwater monitoring well is transported by tank truck and pumped directly into the 600 Area miscellaneous units.

T04 - Treatment of the purgewater by evaporation is carried out in the six 600 Area miscellaneous units. Approximately 14,000 gallons per day of purgewater can be treated by solar evaporation based upon the evaporation rates calculated for the Hanford Site and assuming all six miscellaneous units are in use.

IV. DESCRIPTION OF DANGEROUS WASTES

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

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

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

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

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

D. PROCESSES

1. PROCESS CODES:

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

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

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

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

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

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

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

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

LD. NUMBER (enter 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. (error code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (error code)	D. PROCESSES	
				1. PROCESS CODES (error)	2. PROCESS DESCRIPTION (If a code is not entered in D(1))
1	F 0 0 1	50,072,346	P	S 0 5	Storage/Miscellaneous Units
2	F 0 0 2	↓	↓	↓	↓
3	F 0 0 3	↓	↓	↓	Included With Above
4					
5					
6					
7					
8					
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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 purgewater that is stored and treated in the 600 Area miscellaneous units comes from groundwater monitoring wells located throughout the Hanford Site.

The estimated annual quantity of waste indicated is based upon the maximum projected storage and treatment capacities of the miscellaneous units. The volumes resulting from well sampling and well development activities can be estimated, however the volumes resulting from aquifer testing are still unknown.

Materials stored in this facility may potentially include the nonspecific waste codes F001, F002, and F003.

This Part A permit application is being submitted as a protective filing in order that this facility may be authorized to store regulated waste. This facility will also be used to store non-regulated purgewater.

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 drawings and photographs

LATITUDE (degrees, minutes, & seconds)

LONGITUDE (degrees, minutes, & seconds)

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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) Michael J. Lawrence  
Manager, Richland Operations  
United States Department of Energy

SIGNATURE

*Michael J. Lawrence*

DATE SIGNED

2-20-90

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

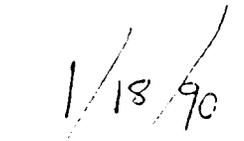
DATE SIGNED

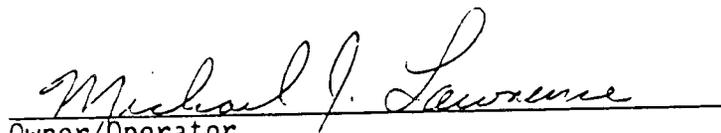
SEE ATTACHMENT

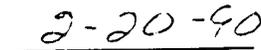
X. OPERATOR CERTIFICATION

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.

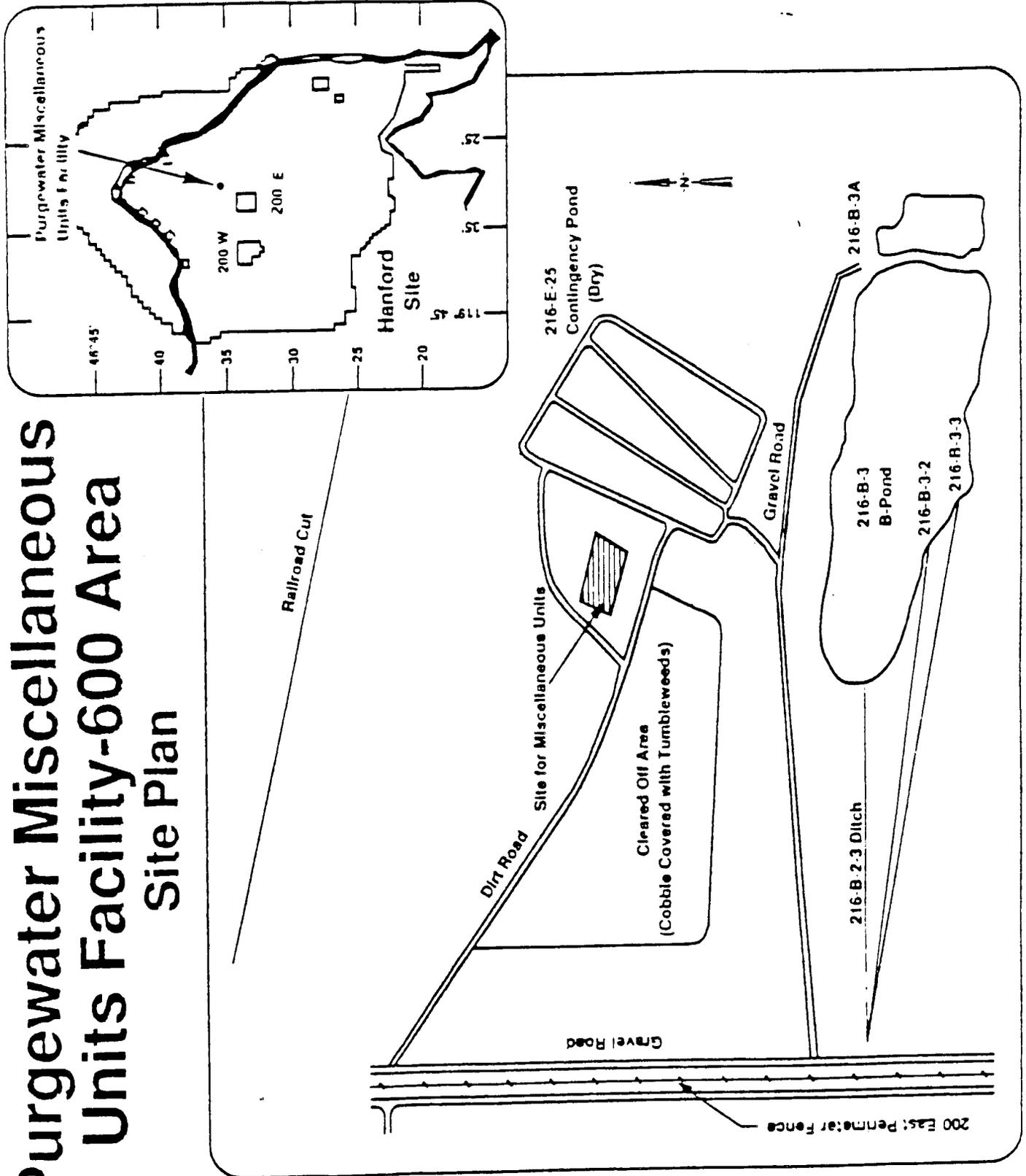
  
\_\_\_\_\_  
Co-operator  
John E. Nolan, President  
Westinghouse Hanford Company

  
\_\_\_\_\_  
Date

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

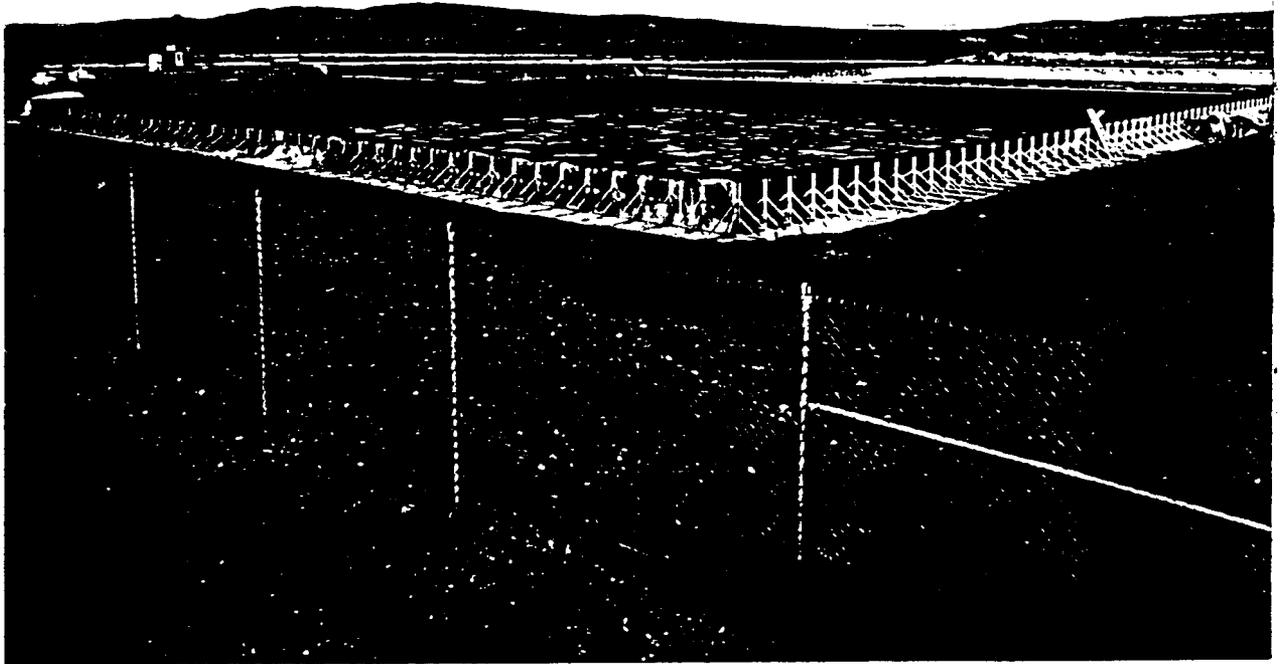
  
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Date

# Purgewater Miscellaneous Units Facility-600 Area Site Plan



WA7890008967

# 600 AREA PURGEWATER STORAGE AND TREATMENT FACILITY MISCELLANEOUS UNIT (TYPICAL)



46°45'33"  
119°45'33"

89122121-3CN  
(PHOTO TAKEN 1990)