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CHAPTER 1.0
PART A FORM

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		WASHINGTON STATE DEPARTMENT OF E C O L O G Y		Dangerous Waste Permit Application Part A Form	
Date Received		Reviewed by: <i>SPA for Jean Vanni</i>		Date: 0 9 2 2 2 0 0 8	
Month	Day	Year		Approved by: <i>Arleta P. Davis</i>	
0	9	1	9	2	0 0 8
I. This form is submitted to: (place an "X" in the appropriate box)					
<input checked="" type="checkbox"/>		Request modification to a final status permit (commonly called a "Part B" permit)			
<input type="checkbox"/>		Request a change under interim status			
<input type="checkbox"/>		Apply for a final status permit. This includes the application for the initial final status permit for a site or for a permit renewal (i.e., a new permit to replace an expiring permit).			
<input type="checkbox"/>		Establish interim status because of the wastes newly regulated on:		(Date)	
List waste codes:					
II. EPA/State ID Number					
W	A	7	8	9	0 0 0 8 9 6 7
III. Name of Facility					
US Department of Energy - Hanford Facility					
IV. Facility Location (Physical address not P.O. Box or Route Number)					
A. Street					
825 Jadwin					
City or Town				State	ZIP Code
Richland				WA	99352
County Code (if known)		County Name			
0	0	5	Benton		
B. Land Type		C. Geographic Location		D. Facility Existence Date	
Latitude (degrees, mins, secs)		Longitude (degrees, mins, secs)		Month	Day
Year					
F	Refer to TOPO Map (Section XV.)		0	3	0 2 1 9 4 3
V. Facility Mailing Address					
Street or P.O. Box					
P.O. Box 550					
City or Town				State	ZIP Code
Richland				WA	99352

VI. Facility contact (Person to be contacted regarding waste activities at facility)															
Name (last)						(first)									
Brockman						David									
Job Title						Phone Number (area code and number)									
Manager						(509) 376-7395									
Contact Address															
Street or P.O. Box															
P.O. Box 550															
City or Town						State		ZIP Code							
Richland						WA		99352							
VII. Facility Operator Information															
A. Name									Phone Number						
Department of Energy Owner/Operator									(509) 376-7395						
Street or P.O. Box															
P.O. Box 550															
City or Town						State		ZIP Code							
Richland						WA		99352							
B. Operator Type		F													
C. Does the name in VII.A reflect a proposed change in operator?						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Co-Operator* change									
If yes, provide the scheduled date for the change:						Month		Day			Year				
						1	0		0	1		2	0	0	8
D. Is the name listed in VII.A. also the owner? If yes, skip to Section VIII.C.										<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
VIII. Facility Owner Information															
A. Name						Phone Number (area code and number)									
David A. Brockman, Operator/Facility-Property Owner						(509) 376-7395									
Street or P.O. Box															
P.O. Box 550															
City or Town						State		ZIP Code							
Richland						WA		99352							
B. Owner Type		F													
C. Does the name in VIII.A reflect a proposed change in owner?						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No									
If yes, provide the scheduled date for the change:						Month		Day			Year				
IX. NAICS Codes (5/6 digit codes)															
A. First						B. Second									
5	6	2	2	1		Waste Treatment & Disposal	9	2	4	1	1	0	Administration of Air & Water Resource & Solid Waste Management Programs		
C. Third						D. Fourth									
5	4	1	7	1		Research & Development in the Physical, Engineering, & Life Sciences									

X. Other Environmental Permits (see instructions)																
A. Permit Type			B. Permit Number										C. Description			
															None	

XI. Nature of Business (provide a brief description that includes both dangerous waste and non-dangerous waste areas and activities)

The 300 Area Process Trenches received nonregulated process cooling water from operations in the 300 Area of the Hanford Site. The process trenches also received dangerous waste from several research and development laboratories and from the fuels fabrication process. The waste was discharged to the 300 Area Process Trenches and allowed to percolate into the soil column underlying the trenches. Accurate records are unavailable concerning the amount of dangerous waste discharged to the trenches. The estimated annual quantity of waste (Section XIV.B.) reflects the total quantity of both regulated and nonregulated wastewater that was discharged to the unit in one year, and not a volume of dangerous waste discharged to the unit. This estimate was made because accurate records are unavailable regarding dangerous waste volumes discharged to the trenches. The process trenches were designed to percolate up to 11,356,200 liters (3,000,000 gallons) per day of wastewater. The process design capacity reflects the maximum volume of water that was discharged daily, rather than the physical capacity of the unit. Closure activities have been completed and postclosure groundwater monitoring is being conducted.

The 300 Area Process Trenches received dangerous waste discharges from research and development laboratories in the 300 Area and from the fuels fabrication process. This waste consisted of state-only toxic, dangerous waste (WT02), discarded chemical product (U210), corrosive waste (D002), chromium (D007), spent halogenated solvents (F001, F002, and F003), and spent nonhalogenated solvent (F005).

EXAMPLE FOR COMPLETING ITEMS XII and XIII (shown in lines numbered X-1, X-2, and X-3 below): A facility has two storage tanks that hold 1200 gallons and 400 gallons respectively. There is also treatment in tanks at 20 gallons/hr. Finally, a one-quarter acre area that is two meters deep will undergo *in situ vitrification*.

Section XII. Process Codes and Design Capacities							Section XIII. Other Process Codes									
Line Number		A. Process Codes (enter code)			B. Process Design Capacity		C. Process Total Number of Units	Line Number		A. Process Codes (enter code)			B. Process Design Capacity		C. Process Total Number of Units	D. Process Description
					1. Amount	2. Unit of Measure (enter code)							1. Amount	2. Unit of Measure (enter code)		
X	1	S	0	2	1,600	G	002	X	1	T	0	4	700	C	001	In situ vitrification
X	2	T	0	3	20	E	001									
X	3	T	0	4	700	C	001									
	1	D	8	3	11,356,200	V	002		1							
	2								2							
	3								3							
	4								4							
	5								5							
	6								6							
	7								7							
	8								8							
	9								9							
1	0							1	0							
1	1							1	1							
1	2							1	2							
1	3							1	3							
1	4							1	4							
1	5							1	5							
1	6							1	6							
1	7							1	7							
1	8							1	8							
1	9							1	9							
2	0							2	0							
2	1							2	1							
2	2							2	2							
2	3							2	3							
2	4							2	4							
2	5							2	5							

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XIV. Description of Dangerous Wastes

Example for completing this section: A facility will receive three non-listed wastes, then store and treat them on-site. Two wastes are corrosive only, with the facility receiving and storing the wastes in containers. There will be about 200 pounds per year of each of these two wastes, which will be neutralized in a tank. The other waste is corrosive and ignitable and will be neutralized then blended into hazardous waste fuel. There will be about 100 pounds per year of that waste, which will be received in bulk and put into tanks.

Line Number	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	D	0	0	2	400	P	S	0	1	T	0	1								
X 2	D	0	0	1	100	P	S	0	2	T	0	1								
X 3	D	0	0	2																Included with above
	1	D	0	0	2	453,592,370	K	D	8	3										Includes Debris
	2	D	0	0	7		K	D	8	3										Includes Debris
	3	F	0	0	1		K	D	8	3										Includes Debris
	4	F	0	0	2		K	D	8	3										Includes Debris
	5	F	0	0	3		K	D	8	3										Includes Debris
	6	F	0	0	5		K	D	8	3										Includes Debris
	7	U	2	1	0		K	D	8	3										Includes Debris
	8	W	T	0	2		K	D	8	3										Includes Debris
	9																			
	1 0																			
	1 1																			
	1 2																			
	1 3																			
	1 4																			
	1 5																			
	1 6																			
	1 7																			
	1 8																			
	1 9																			
	2 0																			
	2 1																			
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	2 3																			
	2 4																			
	2 5																			

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XV. Map
 Attach to this application a topographic map of the area extending to at least one (1) mile beyond property boundaries. The map must show the outline of the facility; the location of each of its existing and proposed intake and discharge structures; each of its dangerous waste treatment, storage, recycling, or disposal units; and each well where fluids are injected underground. Include all springs, rivers, and other surface water bodies in this map area, plus drinking water wells listed in public records or otherwise known to the applicant within ¼ mile of the facility property boundary. The instructions provide additional information on meeting these requirements.

Topographic map is located in the Ecology Library

XVI. Facility Drawing
 All existing facilities must include a scale drawing of the facility (refer to Instructions for more detail).

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

XVIII. Certifications

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Operator Name and Official Title (type or print) David A. Brockman, Manager U.S. Department of Energy Richland Operations Office	Signature 	Date Signed 9/19/08
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Co-Operator* Name and Official Title (type or print)	Signature	Date Signed
--	------------------	--------------------

Co-Operator – Address and Telephone Number*

Facility-Property Owner Name and Official Title (type or print) David A. Brockman, Manager U.S. Department of Energy Richland Operations Office	Signature 	Date Signed 9/19/08
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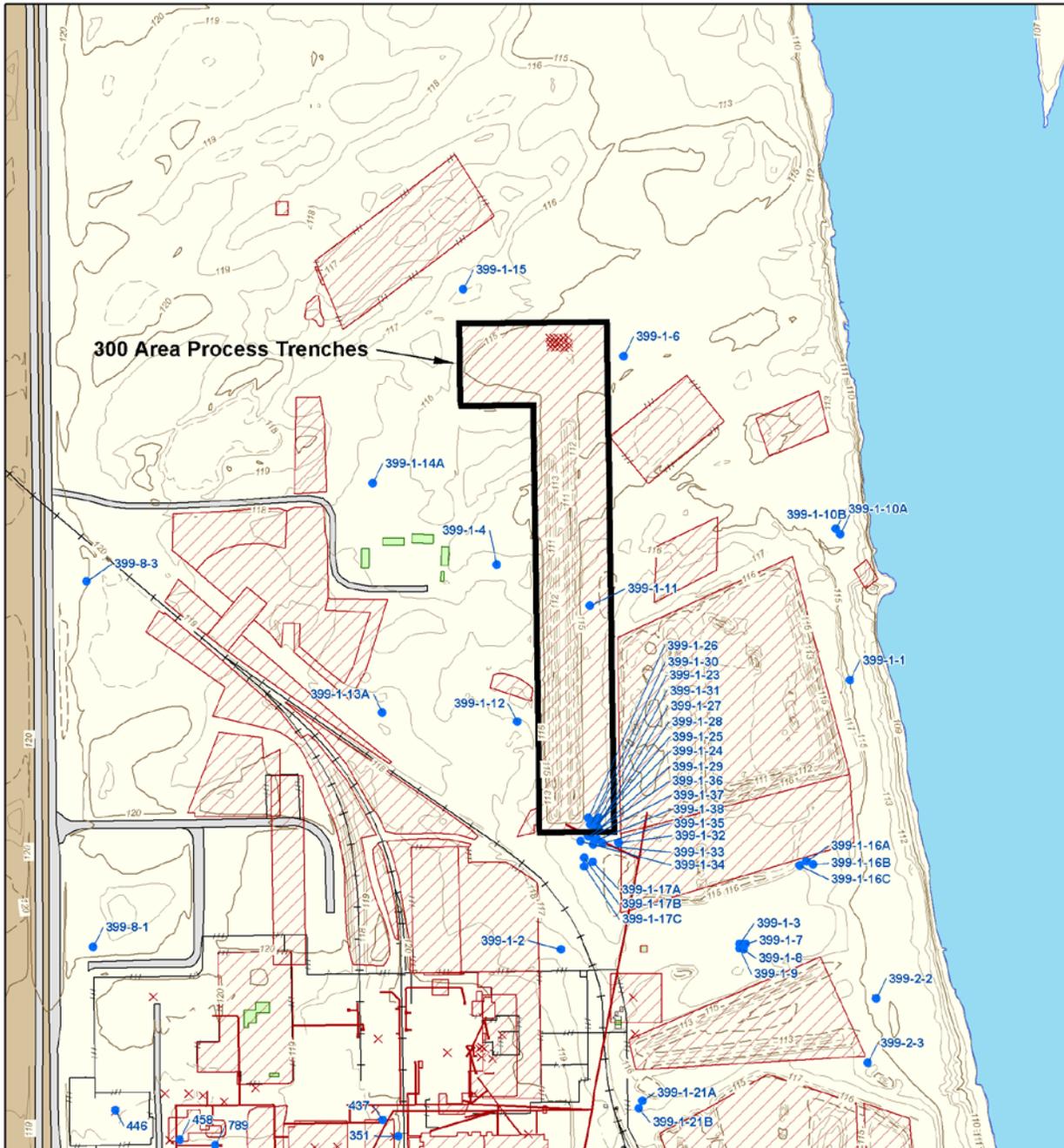
Comments

In Section VII. Facility Operator Information, there is no change to DOE as the Facility Owner/Operator; only a change in Co-Operator*. The change in Co-Operator* will be effective October 1, 2008.

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(Photo Taken 2002)



300 Area Process Trenches

Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
Created and Published by:
Central Mapping Services
Fluor Hanford, Richland, WA
(509) 373-9076
Intended Use: REFERENCE ONLY
Topographic Data:
1996, Bechtel Hanford, Inc.



- TSD Unit Boundary
- DOE Operating Areas
- Hanford Facility
- Injection and Withdrawal Wells
- Contours at 1 Meter Intervals
- Depression Contours
- SWMUs and Known Releases
- Linear SWMUs and Known Releases
- Spot SWMUs and Known Releases
- Buildings
- Structures
- Concrete
- Major Roads
- Service Roads
- Railroads
- Fences



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