

		WASHINGTON STATE DEPARTMENT OF <b>ECOLOGY</b>	<b>Dangerous Waste Permit Application Part A Form</b>									
Date Received		Reviewed by: <i>[Signature]</i>	Date:	0 9 2 2 2 0 0 8								
Month	Day	Year	Approved by: <i>[Signature]</i>	Date:	0 9 2 2 2 0 0 8							
0	9	1	9	2	0	0	8					
<b>I. This form is submitted to: (place an "X" in the appropriate box)</b>												
<input type="checkbox"/>	Request modification to a final status permit (commonly called a "Part B" permit)											
<input checked="" 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:												
<b>II. EPA/State ID Number</b>												
W	A	7	8	9	0	0	0	8	9	6	7	
<b>III. Name of Facility</b>												
US Department of Energy - Hanford Facility												
<b>IV. Facility Location (Physical address not P.O. Box or Route Number)</b>												
<b>A. Street</b>												
825 Jadwin												
<b>City or Town</b>					<b>State</b>	<b>ZIP Code</b>						
Richland					WA	99352						
<b>County Code (if known)</b>		<b>County Name</b>										
0	0	5	Benton									
<b>B. Land Type</b>		<b>C. Geographic Location</b>			<b>D. Facility Existence Date</b>							
		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
<b>V. Facility Mailing Address</b>												
<b>Street or P.O. Box</b>												
P.O. Box 550												
<b>City or Town</b>					<b>State</b>	<b>ZIP Code</b>						
Richland					WA	99352						

<b>VI. Facility contact (Person to be contacted regarding waste activities at facility)</b>																		
<b>Name (last)</b>						<b>(first)</b>												
Brockman						David												
<b>Job Title</b>						<b>Phone Number (area code and number)</b>												
Manager						(509) 376-7395												
<b>Contact Address</b>																		
<b>Street or P.O. Box</b>																		
P.O. Box 550																		
<b>City or Town</b>						<b>State</b>		<b>ZIP Code</b>										
Richland						WA		99352										
<b>VII. Facility Operator Information</b>																		
<b>A. Name</b>									<b>Phone Number</b>									
Department of Energy Owner/Operator CH2M HILL Plateau Remediation Company Co-Operator for 216-S-10 Pond and Ditch*									(509) 376-7395 (509) 376-0556*									
<b>Street or P.O. Box</b>																		
P.O. Box 550 P.O. Box 1600 *																		
<b>City or Town</b>						<b>State</b>		<b>ZIP Code</b>										
Richland						WA		99352										
<b>B. Operator Type</b>			F															
<b>C. Does the name in VII.A reflect a proposed change in operator?</b>									<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Co-Operator* change									
If yes, provide the scheduled date for the change:									<b>Month</b>				<b>Day</b>		<b>Year</b>			
1			0			0			1		2		0		0		8	
<b>D. Is the name listed in VII.A. also the owner? If yes, skip to Section VIII.C.</b>									<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No									
<b>VIII. Facility Owner Information</b>																		
<b>A. Name</b>									<b>Phone Number (area code and number)</b>									
David A. Brockman, Operator/Facility-Property Owner									(509) 376-7395									
<b>Street or P.O. Box</b>																		
P.O. Box 550																		
<b>City or Town</b>						<b>State</b>		<b>ZIP Code</b>										
Richland						WA		99352										
<b>B. Owner Type</b>			F															
<b>C. Does the name in VIII.A reflect a proposed change in owner?</b>									<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No									
If yes, provide the scheduled date for the change:									<b>Month</b>				<b>Day</b>		<b>Year</b>			
<b>IX. NAICS Codes (5/6 digit codes)</b>																		
<b>A. First</b>						<b>B. Second</b>												
5 6 2 2 1 Waste Treatment & Disposal						9 2 4 1 1 0 Administration of Air & Water Resource & Solid Waste Management Programs												
<b>C. Third</b>						<b>D. Fourth</b>												
5 4 1 7 1 Research & Development in the Physical, Engineering, & Life Sciences																		

<b>X. Other Environmental Permits (see instructions)</b>																
<b>A. Permit Type</b>			<b>B. Permit Number</b>										<b>C. Description</b>			

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

The 216-S-10 Pond and Ditch received nonregulated wastewater consisting of water tower overflow, cooling water, and rainwater. The unit was used as the disposal site for the Chemical Engineering Laboratory between 1980 and 1983. The 216-S-10 Pond and Ditch received one documented discharge of dangerous waste. This discharge consisted of simulated double-shell tank slurry, which exhibited the dangerous waste characteristics of ignitability (D001), corrosivity (D002), characteristic waste (D007), and toxic state-only waste (WT01, WT02). Approximately 1,000 pounds (450 kilograms) of dangerous waste were discharged to the unit.

Waste was discharged to the pond and ditch and allowed to percolate into the soil column underlying the unit. The unit was designed to percolate approximately 150,000 gallons (567,800 liters) of waste a day. The process design capacity reflects the maximum volume of water discharged daily rather than the physical capacity of the 216-S-10 Pond and Ditch. The 216-S-10 Pond has been decommissioned. The 216-S-10 Ditch last received a nonregulated wastewater discharge in October 1991. The 216-S-10 Pond and Ditch no longer receives dangerous waste.

**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.	2.	3.	1. Amount	2. Unit of Measure (enter code)			1.	2.	3.	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 1	D	8	3	150,000	U	001	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							

**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.				B. Estimated Annual Quantity of Waste	C. Unit of Measure	D. Processes													
							(1) Process Codes						(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	1	1,000	P	D	8	3											
2	D	0	0	2		P	D	8	3											
3	D	0	0	7		P	D	8	3											
4	W	T	0	1		P	D	8	3											
5	W	T	0	2		P	D	8	3											
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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.

<b>Operator</b> Name and Official Title (type or print) David A. Brockman, Manager U.S. Department of Energy Richland Operations Office	<b>Signature</b> 	<b>Date Signed</b> 9/19/08
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<b>Co-Operator*</b> Name and Official Title (type or print) John G. Lehew, III President and Chief Executive Officer CH2M HILL Plateau Remediation Company	<b>Signature</b> 	<b>Date Signed</b> 9/2/08
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**Co-Operator – Address and Telephone Number\***  
 P.O. Box 1600  
 Richland, WA 99352  
 (509) 376-0556

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

216-S-10 Pond and Ditch

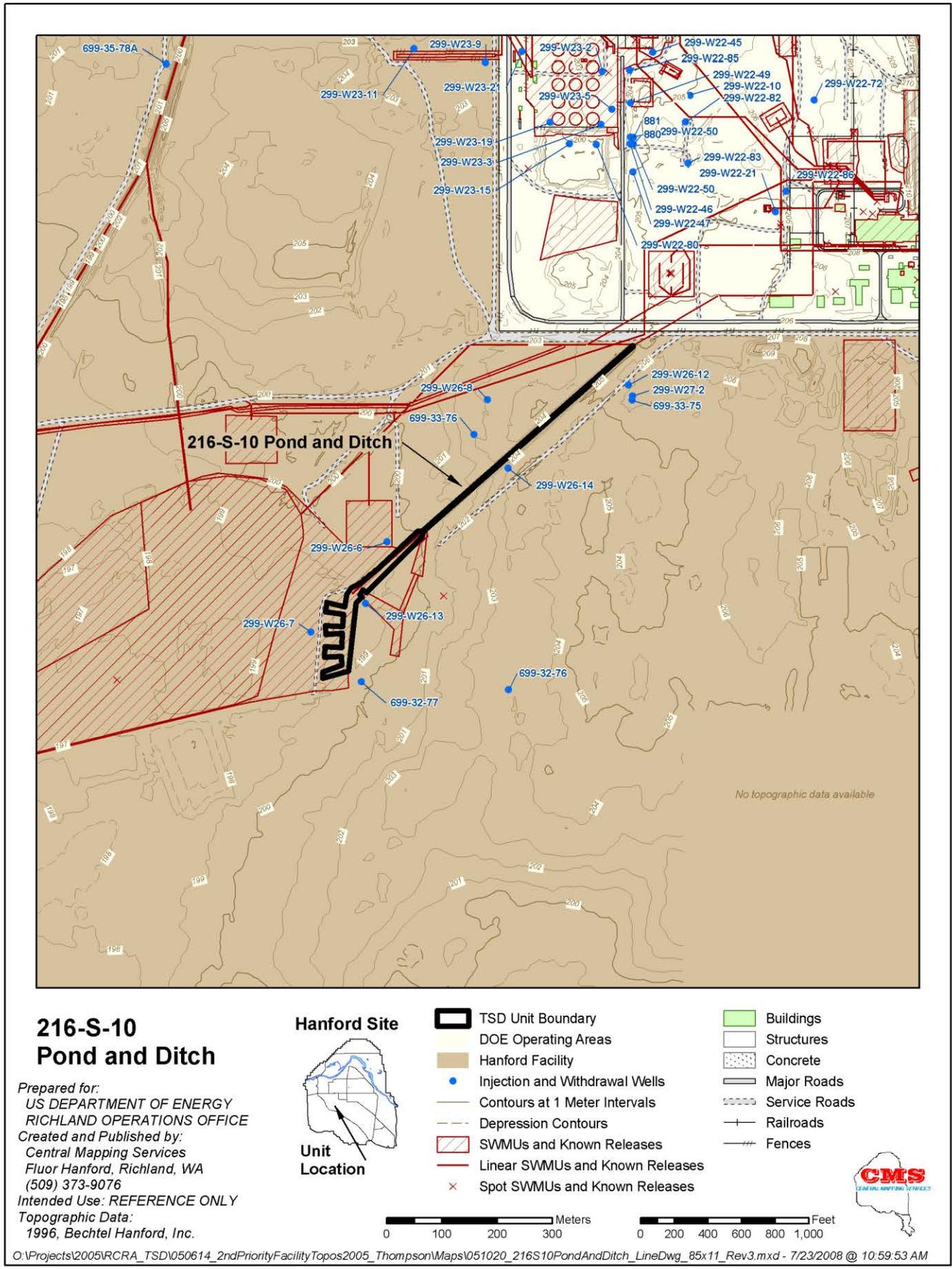
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**216-S-10 Pond Decommissioned**



**216-S-10 Ditch**



### 216-S-10 Pond and Ditch

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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