

		WASHINGTON STATE DEPARTMENT OF <b>ECOLOG Y</b>		<b>Dangerous Waste Permit Application Part A Form</b>	
Date Received		Reviewed by: <i>Ralph Smith</i>		Date: 0 9 2 9 2 0 0 8	
Month	Day	Year	Approved by: <i>J.P. Davis</i>		Date: 0 9 2 9 2 0 0 8
0	8	2 5	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 450					
<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>																		
Olinger						Shirley																		
<b>Job Title</b>						<b>Phone Number (area code and number)</b>																		
Manager						(509) 372-3062																		
<b>Contact Address</b>																								
<b>Street or P.O. Box</b>																								
P.O. Box 450																								
<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 Washington River Protection Solutions, LLC Co-Operator for 222-S Dangerous and Mixed Waste TSD Unit*										(509) 372-3062 (509) 372-9138*														
<b>Street or P.O. Box</b>																								
P.O. Box 450 P.O. Box 850*																								
<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>														
Shirley J Olinger, Operator/Facility-Property Owner										(509) 372-3062														
<b>Street or P.O. Box</b>																								
P.O. Box 450																								
<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														

X. Other Environmental Permits (see instructions)														
A. Permit Type			B. Permit Number											C. Description
	E		F	F	-	0	1							Hanford Site Radioactive Air Emissions License #FF-01 Emission Unit ID: 254 and 337. (296-S-21 and 296-S-16 Stacks, respectively)

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

This unit was previously known as the 222-S Laboratory Complex. The name was changed to the 222-S Dangerous and Mixed Waste TSD Unit to clarify the boundaries of the TSD units subject to this Permit. 'TSD component' is used to define a subdivision of the overall TSD unit.

The 222-S Dangerous and Mixed Waste TSD Unit includes four TSD components: 219-S Waste Handling Facility, 222-S Dangerous and Mixed Waste Storage Area (DMWSA), Room 4-E container storage area (Room 4-E), and the northern portion of Room 2-B container storage area (Room 2-B).

The 219-S Waste Handling Facility includes the 219-S Tank System (Tanks 101, 102, 103, and 104 and ancillary equipment), operating gallery, and sample gallery, and is located northeast of the 222-S Laboratory building. The DMWSA is located north of the 222-S Laboratory building. Rooms 2-B and 4-E are located within (north side) the 222-S Laboratory building, which is located in the 200 West Area of the Hanford Facility. The 222-S Laboratory began laboratory and waste management operations in June 1951.

S01 Storage in Containers

The maximum process design capacity for container storage is 28,470 liters. Containers containing dangerous and/or mixed waste are stored in the DMWSA, Room 4-E, and the northern portion of Room 2-B.

S02 Storage in Tanks

The 219-S Waste Handling Facility houses the 219-S Tank System, which comprises four tanks, three active and one inactive (tanks 101, 102, 104, and 103 respectively). Tank 103 is located within the 219-S Tank System, but was drained, isolated, and rinsed and is no longer used for waste management.

The maximum process design capacity for tank storage is 37,472 liters. Tanks 101, 102, and 104 are used for dangerous and mixed waste storage.

T01 Treatment in Tanks

The maximum process design capacity for treatment in tanks is 37,472 liters. Tanks 101, 102, and 104 are used for dangerous and mixed waste treatment.

Note: Although tank 201 (Page 26, (Figure 219-S Waste Handling Facility) is indicated as being within the TSD unit boundary, its sole function is to provide caustic solution for waste treatment within Tanks 101, 102, and 104. Mixed and/or dangerous waste is not treated, stored, or disposed of within Tank 201, and therefore this tank is not considered a permitted TSD component.

WL01 and WL02 addresses lab packs containing state-only 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	S	0	2	37,472	L	003		1							
	2	T	0	1	37,472	L	003		2							
	3	S	0	1	28,470	L	003		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							

**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	283,955	K	S	0	2	T	0	1				
	2 D 0 0 2		K	S	0	2	T	0	1				
	3 D 0 0 3		K	S	0	2	T	0	1				
	4 D 0 0 4		K	S	0	2	T	0	1				
	5 D 0 0 5		K	S	0	2	T	0	1				
	6 D 0 0 6		K	S	0	2	T	0	1				
	7 D 0 0 7		K	S	0	2	T	0	1				
	8 D 0 0 8		K	S	0	2	T	0	1				
	9 D 0 0 9		K	S	0	2	T	0	1				
1 0	D 0 1 0		K	S	0	2	T	0	1				
1 1	D 0 1 1		K	S	0	2	T	0	1				
1 2	D 0 1 8		K	S	0	2	T	0	1				
1 3	D 0 1 9		K	S	0	2	T	0	1				
1 4	D 0 2 2		K	S	0	2	T	0	1				
1 5	D 0 2 8		K	S	0	2	T	0	1				
1 6	D 0 2 9		K	S	0	2	T	0	1				
1 7	D 0 3 0		K	S	0	2	T	0	1				
1 8	D 0 3 3		K	S	0	2	T	0	1				
1 9	D 0 3 4		K	S	0	2	T	0	1				
2 0	D 0 3 5		K	S	0	2	T	0	1				
2 1	D 0 3 6		K	S	0	2	T	0	1				
2 2	D 0 3 8		K	S	0	2	T	0	1				
2 3	D 0 3 9		K	S	0	2	T	0	1				
2 4	D 0 4 0		K	S	0	2	T	0	1				
2 5	D 0 4 1		K	S	0	2	T	0	1				

<b>EPA/State ID Number</b>	<b>W</b>	<b>A</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>9</b>	<b>6</b>	<b>7</b>
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Line Number	A. Dangerous Waste No.				B. Estimated Annual Quantity of Waste	C. Unit of Measure	D. Process												
							(1) Process Codes				(2) Process Description [If a code is not entered in D(1)]								
2	6	D	0	4	3		K	S	0	2	T	0	1						
2	7	W	P	0	1		K	S	0	2	T	0	1						
2	8	W	P	0	2		K	S	0	2	T	0	1						
2	9	W	T	0	1		K	S	0	2	T	0	1						
3	0	W	T	0	2		K	S	0	2	T	0	1						
3	1	F	0	0	1		K	S	0	2	T	0	1						
3	2	F	0	0	2		K	S	0	2	T	0	1						
3	3	F	0	0	3		K	S	0	2	T	0	1						
3	4	F	0	0	4		K	S	0	2	T	0	1						
3	5	F	0	0	5		K	S	0	2	T	0	1						
3	6	F	0	3	9		K	S	0	2	T	0	1						
3	7	D	0	0	1	48,840	K	S	0	1									
3	8	D	0	0	2		K	S	0	1									
3	9	D	0	0	3		K	S	0	1									
4	0	D	0	0	4		K	S	0	1									
4	1	D	0	0	5		K	S	0	1									
4	2	D	0	0	6		K	S	0	1									
4	3	D	0	0	7		K	S	0	1									
4	4	D	0	0	8		K	S	0	1									
4	5	D	0	0	9		K	S	0	1									
4	6	D	0	1	0		K	S	0	1									
4	7	D	0	1	1		K	S	0	1									
4	8	D	0	1	2		K	S	0	1									
4	9	D	0	1	3		K	S	0	1									
5	0	D	0	1	4		K	S	0	1									
5	1	D	0	1	5		K	S	0	1									
5	2	D	0	1	6		K	S	0	1									
5	3	D	0	1	7		K	S	0	1									
5	4	D	0	1	8		K	S	0	1									
5	5	D	0	1	9		K	S	0	1									
5	6	D	0	2	0		K	S	0	1									
5	7	D	0	2	1		K	S	0	1									
5	8	D	0	2	2		K	S	0	1									
5	9	D	0	2	3		K	S	0	1									
6	0	D	0	2	4		K	S	0	1									
6	1	D	0	2	5		K	S	0	1									
6	2	D	0	2	6		K	S	0	1									
6	3	D	0	2	7		K	S	0	1									
6	4	D	0	2	8		K	S	0	1									
6	5	D	0	2	9		K	S	0	1									

<b>EPA/State ID Number</b>	<b>W</b>	<b>A</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>9</b>	<b>6</b>	<b>7</b>
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Line Number	A. Dangerous Waste No.				B. Estimated Annual Quantity of Waste	C. Unit of Measure	D. Process										
							(1) Process Codes				(2) Process Description [If a code is not entered in D(1)]						
6	6	D	0	3	0	K	S	0	1								
6	7	D	0	3	1	K	S	0	1								
6	8	D	0	3	2	K	S	0	1								
6	9	D	0	3	3	K	S	0	1								
7	0	D	0	3	4	K	S	0	1								
7	1	D	0	3	5	K	S	0	1								
7	2	D	0	3	6	K	S	0	1								
7	3	D	0	3	7	K	S	0	1								
7	4	D	0	3	8	K	S	0	1								
7	5	D	0	3	9	K	S	0	1								
7	6	D	0	4	0	K	S	0	1								
7	7	D	0	4	1	K	S	0	1								
7	8	D	0	4	2	K	S	0	1								
7	9	D	0	4	3	K	S	0	1								
8	0	W	P	C	B	K	S	0	1								
8	1	W	P	0	1	K	S	0	1								
8	2	W	P	0	2	K	S	0	1								
8	3	W	P	0	3	K	S	0	1								
8	4	W	S	C	2	K	S	0	1								
8	5	W	T	0	1	K	S	0	1								
8	6	W	T	0	2	K	S	0	1								
8	7	F	0	0	1	K	S	0	1								
8	8	F	0	0	2	K	S	0	1								
8	9	F	0	0	3	K	S	0	1								
9	0	F	0	0	4	K	S	0	1								
9	1	F	0	0	5	K	S	0	1								
9	2	F	0	0	6	K	S	0	1								
9	3	F	0	0	7	K	S	0	1								
9	4	F	0	0	8	K	S	0	1								
9	5	F	0	0	9	K	S	0	1								
9	6	F	0	1	0	K	S	0	1								
9	7	F	0	1	1	K	S	0	1								
9	8	F	0	1	2	K	S	0	1								
9	9	F	0	1	9	K	S	0	1								
1	0	F	0	2	0	K	S	0	1								

<b>EPA/State ID Number</b>	<b>W</b>	<b>A</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>9</b>	<b>6</b>	<b>7</b>
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Line Number	A. Dangerous Waste No.				B. Estimated Annual Quantity of Waste	C. Unit of Measure	D. Process										
							(1) Process Codes				(2) Process Description [If a code is not entered in D(1)]						
1 0 1	F	0	2	1		K	S	0	1								
1 0 2	F	0	2	2		K	S	0	1								
1 0 3	F	0	2	3		K	S	0	1								
1 0 4	F	0	2	6		K	S	0	1								
1 0 5	F	0	2	7		K	S	0	1								
1 0 6	F	0	2	8		K	S	0	1								
1 0 7	F	0	3	9		K	S	0	1								
1 0 8	U	0	0	1		K	S	0	1								
1 0 9	U	0	0	2		K	S	0	1								
1 1 0	U	0	0	3		K	S	0	1								
1 1 1	U	0	0	4		K	S	0	1								
1 1 2	U	0	0	5		K	S	0	1								
1 1 3	U	0	0	6		K	S	0	1								
1 1 4	U	0	0	7		K	S	0	1								
1 1 5	U	0	0	8		K	S	0	1								
1 1 6	U	0	0	9		K	S	0	1								
1 1 7	U	0	1	0		K	S	0	1								
1 1 8	U	0	1	1		K	S	0	1								
1 1 9	U	0	1	2		K	S	0	1								
1 2 0	U	0	1	4		K	S	0	1								
1 2 1	U	0	1	5		K	S	0	1								
1 2 2	U	0	1	6		K	S	0	1								
1 2 3	U	0	1	7		K	S	0	1								
1 2 4	U	0	1	8		K	S	0	1								
1 2 5	U	0	1	9		K	S	0	1								
1 2 6	U	0	2	0		K	S	0	1								
1 2 7	U	0	2	1		K	S	0	1								
1 2 8	U	0	2	2		K	S	0	1								
1 2 9	U	0	2	3		K	S	0	1								
1 3 0	U	0	2	4		K	S	0	1								
1 3 1	U	0	2	5		K	S	0	1								
1 3 2	U	0	2	6		K	S	0	1								
1 3 3	U	0	2	7		K	S	0	1								
1 3 4	U	0	2	8		K	S	0	1								
1 3 5	U	0	2	9		K	S	0	1								

<b>EPA/State ID Number</b>	<b>W</b>	<b>A</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>9</b>	<b>6</b>	<b>7</b>
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Line Number	A. Dangerous Waste No.			B. Estimated Annual Quantity of Waste	C. Unit of Measure	D. Process													
						(1) Process Codes				(2) Process Description [If a code is not entered in D(1)]									
1	3	6	U	0	3	0		K	S	0	1								
1	3	7	U	0	3	1		K	S	0	1								
1	3	8	U	0	3	2		K	S	0	1								
1	3	9	U	0	3	3		K	S	0	1								
1	4	0	U	0	3	4		K	S	0	1								
1	4	1	U	0	3	5		K	S	0	1								
1	4	2	U	0	3	6		K	S	0	1								
1	4	3	U	0	3	7		K	S	0	1								
1	4	4	U	0	3	8		K	S	0	1								
1	4	5	U	0	3	9		K	S	0	1								
1	4	6	U	0	4	1		K	S	0	1								
1	4	7	U	0	4	2		K	S	0	1								
1	4	8	U	0	4	3		K	S	0	1								
1	4	9	U	0	4	4		K	S	0	1								
1	5	0	U	0	4	5		K	S	0	1								
1	5	1	U	0	4	6		K	S	0	1								
1	5	2	U	0	4	7		K	S	0	1								
1	5	3	U	0	4	8		K	S	0	1								
1	5	4	U	0	4	9		K	S	0	1								
1	5	5	U	0	5	0		K	S	0	1								
1	5	6	U	0	5	1		K	S	0	1								
1	5	7	U	0	5	2		K	S	0	1								
1	5	8	U	0	5	3		K	S	0	1								
1	5	9	U	0	5	5		K	S	0	1								
1	6	0	U	0	5	6		K	S	0	1								
1	6	1	U	0	5	7		K	S	0	1								
1	6	2	U	0	5	8		K	S	0	1								
1	6	3	U	0	5	9		K	S	0	1								
1	6	4	U	0	6	0		K	S	0	1								
1	6	5	U	0	6	1		K	S	0	1								
1	6	6	U	0	6	2		K	S	0	1								
1	6	7	U	0	6	3		K	S	0	1								
1	6	8	U	0	6	4		K	S	0	1								
1	6	9	U	0	6	6		K	S	0	1								
1	7	0	U	0	6	7		K	S	0	1								

<b>EPA/State ID Number</b>	<b>W</b>	<b>A</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>9</b>	<b>6</b>	<b>7</b>
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Line Number	A. Dangerous Waste No.				B. Estimated Annual Quantity of Waste	C. Unit of Measure	D. Process												
							(1) Process Codes				(2) Process Description [If a code is not entered in D(1)]								
1	7	1	U	0	6	8		K	S	0	1								
1	7	2	U	0	6	9		K	S	0	1								
1	7	3	U	0	7	0		K	S	0	1								
1	7	4	U	0	7	1		K	S	0	1								
1	7	5	U	0	7	2		K	S	0	1								
1	7	6	U	0	7	3		K	S	0	1								
1	7	7	U	0	7	4		K	S	0	1								
1	7	8	U	0	7	5		K	S	0	1								
1	7	9	U	0	7	6		K	S	0	1								
1	8	0	U	0	7	7		K	S	0	1								
1	8	1	U	0	7	8		K	S	0	1								
1	8	2	U	0	7	9		K	S	0	1								
1	8	3	U	0	8	0		K	S	0	1								
1	8	4	U	0	8	1		K	S	0	1								
1	8	5	U	0	8	2		K	S	0	1								
1	8	6	U	0	8	3		K	S	0	1								
1	8	7	U	0	8	4		K	S	0	1								
1	8	8	U	0	8	5		K	S	0	1								
1	8	9	U	0	8	6		K	S	0	1								
1	9	0	U	0	8	7		K	S	0	1								
1	9	1	U	0	8	8		K	S	0	1								
1	9	2	U	0	8	9		K	S	0	1								
1	9	3	U	0	9	0		K	S	0	1								
1	9	4	U	0	9	1		K	S	0	1								
1	9	5	U	0	9	2		K	S	0	1								
1	9	6	U	0	9	3		K	S	0	1								
1	9	7	U	0	9	4		K	S	0	1								
1	9	8	U	0	9	5		K	S	0	1								
1	9	9	U	0	9	6		K	S	0	1								
2	0	0	U	0	9	7		K	S	0	1								
2	0	1	U	0	9	8		K	S	0	1								
2	0	2	U	0	9	9		K	S	0	1								
2	0	3	U	1	0	1		K	S	0	1								
2	0	4	U	1	0	2		K	S	0	1								
2	0	5	U	1	0	3		K	S	0	1								

<b>EPA/State ID Number</b>	<b>W</b>	<b>A</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>9</b>	<b>6</b>	<b>7</b>
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Line Number	A. Dangerous Waste No.				B. Estimated Annual Quantity of Waste	C. Unit of Measure	D. Process												
	(1) Process Codes							(2) Process Description [If a code is not entered in D(1)]											
2 0 6	U	1	0	5		K	S	0	1										
2 0 7	U	1	0	6		K	S	0	1										
2 0 8	U	1	0	7		K	S	0	1										
2 0 9	U	1	0	8		K	S	0	1										
2 1 0	U	1	0	9		K	S	0	1										
2 1 1	U	1	1	0		K	S	0	1										
2 1 2	U	1	1	1		K	S	0	1										
2 1 3	U	1	1	2		K	S	0	1										
2 1 4	U	1	1	3		K	S	0	1										
2 1 5	U	1	1	4		K	S	0	1										
2 1 6	U	1	1	5		K	S	0	1										
2 1 7	U	1	1	6		K	S	0	1										
2 1 8	U	1	1	7		K	S	0	1										
2 1 9	U	1	1	8		K	S	0	1										
2 2 0	U	1	1	9		K	S	0	1										
2 2 1	U	1	2	0		K	S	0	1										
2 2 2	U	1	2	1		K	S	0	1										
2 2 3	U	1	2	2		K	S	0	1										
2 2 4	U	1	2	3		K	S	0	1										
2 2 5	U	1	2	4		K	S	0	1										
2 2 6	U	1	2	5		K	S	0	1										
2 2 7	U	1	2	6		K	S	0	1										
2 2 8	U	1	2	7		K	S	0	1										
2 2 9	U	1	2	8		K	S	0	1										
2 3 0	U	1	2	9		K	S	0	1										
2 3 1	U	1	3	0		K	S	0	1										
2 3 2	U	1	3	1		K	S	0	1										
2 3 3	U	1	3	2		K	S	0	1										
2 3 4	U	1	3	3		K	S	0	1										
2 3 5	U	1	3	4		K	S	0	1										
2 3 6	U	1	3	5		K	S	0	1										
2 3 7	U	1	3	6		K	S	0	1										
2 3 8	U	1	3	7		K	S	0	1										
2 3 9	U	1	3	8		K	S	0	1										
2 4 0	U	1	4	0		K	S	0	1										

<b>EPA/State ID Number</b>	<b>W</b>	<b>A</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>9</b>	<b>6</b>	<b>7</b>
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Line Number	A. Dangerous Waste No.			B. Estimated Annual Quantity of Waste	C. Unit of Measure	D. Process													
						(1) Process Codes				(2) Process Description [If a code is not entered in D(1)]									
2	4	1	U	1	4	1		K	S	0	1								
2	4	2	U	1	4	2		K	S	0	1								
2	4	3	U	1	4	3		K	S	0	1								
2	4	4	U	1	4	4		K	S	0	1								
2	4	5	U	1	4	5		K	S	0	1								
2	4	6	U	1	4	6		K	S	0	1								
2	4	7	U	1	4	7		K	S	0	1								
2	4	8	U	1	4	8		K	S	0	1								
2	4	9	U	1	4	9		K	S	0	1								
2	5	0	U	1	5	0		K	S	0	1								
2	5	1	U	1	5	1		K	S	0	1								
2	5	2	U	1	5	2		K	S	0	1								
2	5	3	U	1	5	3		K	S	0	1								
2	5	4	U	1	5	4		K	S	0	1								
2	5	5	U	1	5	5		K	S	0	1								
2	5	6	U	1	5	6		K	S	0	1								
2	5	7	U	1	5	7		K	S	0	1								
2	5	8	U	1	5	8		K	S	0	1								
2	5	9	U	1	5	9		K	S	0	1								
2	6	0	U	1	6	0		K	S	0	1								
2	6	1	U	1	6	1		K	S	0	1								
2	6	2	U	1	6	2		K	S	0	1								
2	6	3	U	1	6	3		K	S	0	1								
2	6	4	U	1	6	4		K	S	0	1								
2	6	5	U	1	6	5		K	S	0	1								
2	6	6	U	1	6	6		K	S	0	1								
2	6	7	U	1	6	7		K	S	0	1								
2	6	8	U	1	6	8		K	S	0	1								
2	6	9	U	1	6	9		K	S	0	1								
2	7	0	U	1	7	0		K	S	0	1								
2	7	1	U	1	7	1		K	S	0	1								
2	7	2	U	1	7	2		K	S	0	1								
2	7	3	U	1	7	3		K	S	0	1								
2	7	4	U	1	7	4		K	S	0	1								
2	7	5	U	1	7	6		K	S	0	1								

<b>EPA/State ID Number</b>	<b>W</b>	<b>A</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>9</b>	<b>6</b>	<b>7</b>
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Line Number	A. Dangerous Waste No.				B. Estimated Annual Quantity of Waste	C. Unit of Measure	D. Process												
							(1) Process Codes				(2) Process Description [If a code is not entered in D(1)]								
2	7	6	U	1	7	7		K	S	0	1								
2	7	7	U	1	7	8		K	S	0	1								
2	7	8	U	1	7	9		K	S	0	1								
2	7	9	U	1	8	0		K	S	0	1								
2	8	0	U	1	8	1		K	S	0	1								
2	8	1	U	1	8	2		K	S	0	1								
2	8	2	U	1	8	3		K	S	0	1								
2	8	3	U	1	8	4		K	S	0	1								
2	8	4	U	1	8	5		K	S	0	1								
2	8	5	U	1	8	6		K	S	0	1								
2	8	6	U	1	8	7		K	S	0	1								
2	8	7	U	1	8	8		K	S	0	1								
2	8	8	U	1	8	9		K	S	0	1								
2	8	9	U	1	9	0		K	S	0	1								
2	9	0	U	1	9	1		K	S	0	1								
2	9	1	U	1	9	2		K	S	0	1								
2	9	2	U	1	9	3		K	S	0	1								
2	9	3	U	1	9	4		K	S	0	1								
2	9	4	U	1	9	9		K	S	0	1								
2	9	5	U	2	0	0		K	S	0	1								
2	9	6	U	2	0	1		K	S	0	1								
2	9	7	U	2	0	2		K	S	0	1								
2	9	8	U	2	0	3		K	S	0	1								
2	9	9	U	2	0	4		K	S	0	1								
3	0	0	U	2	0	5		K	S	0	1								
3	0	1	U	2	0	6		K	S	0	1								
3	0	2	U	2	0	7		K	S	0	1								
3	0	3	U	2	0	8		K	S	0	1								
3	0	4	U	2	0	9		K	S	0	1								
3	0	5	U	2	1	0		K	S	0	1								
3	0	6	U	2	1	1		K	S	0	1								
3	0	7	U	2	1	2		K	S	0	1								
3	0	8	U	2	1	3		K	S	0	1								
3	0	9	U	2	1	4		K	S	0	1								
3	1	0	U	2	1	5		K	S	0	1								

<b>EPA/State ID Number</b>	<b>W</b>	<b>A</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>9</b>	<b>6</b>	<b>7</b>
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Line Number	A. Dangerous Waste No.				B. Estimated Annual Quantity of Waste	C. Unit of Measure	D. Process												
							(1) Process Codes				(2) Process Description [If a code is not entered in D(1)]								
3	1	1	U	2	1	6		K	S	0	1								
3	1	2	U	2	1	7		K	S	0	1								
3	1	3	U	2	1	8		K	S	0	1								
3	1	4	U	2	1	9		K	S	0	1								
3	1	5	U	2	2	0		K	S	0	1								
3	1	6	U	2	2	1		K	S	0	1								
3	1	7	U	2	2	2		K	S	0	1								
3	1	8	U	2	2	3		K	S	0	1								
3	1	9	U	2	2	5		K	S	0	1								
3	2	0	U	2	2	6		K	S	0	1								
3	2	1	U	2	2	7		K	S	0	1								
3	2	2	U	2	2	8		K	S	0	1								
3	2	3	U	2	3	4		K	S	0	1								
3	2	4	U	2	3	5		K	S	0	1								
3	2	5	U	2	3	6		K	S	0	1								
3	2	6	U	2	3	7		K	S	0	1								
3	2	7	U	2	3	8		K	S	0	1								
3	2	8	U	2	3	9		K	S	0	1								
3	2	9	U	2	4	0		K	S	0	1								
3	3	0	U	2	4	3		K	S	0	1								
3	3	1	U	2	4	4		K	S	0	1								
3	3	2	U	2	4	6		K	S	0	1								
3	3	3	U	2	4	7		K	S	0	1								
3	3	4	U	2	4	8		K	S	0	1								
3	3	5	U	2	4	9		K	S	0	1								
3	3	6	U	2	7	1		K	S	0	1								
3	3	7	U	2	7	8		K	S	0	1								
3	3	8	U	2	7	9		K	S	0	1								
3	3	9	U	2	8	0		K	S	0	1								
3	4	0	U	3	2	8		K	S	0	1								
3	4	1	U	3	5	3		K	S	0	1								
3	4	2	U	3	5	9		K	S	0	1								
3	4	3	U	3	6	4		K	S	0	1								
3	4	4	U	3	6	7		K	S	0	1								
3	4	5	U	3	7	2		K	S	0	1								

<b>EPA/State ID Number</b>	<b>W</b>	<b>A</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>9</b>	<b>6</b>	<b>7</b>
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Line Number	A. Dangerous Waste No.			B. Estimated Annual Quantity of Waste	C. Unit of Measure	D. Process													
						(1) Process Codes				(2) Process Description [If a code is not entered in D(1)]									
3 4 6	U	3	7	3		K	S	0	1										
3 4 7	U	3	8	7		K	S	0	1										
3 4 8	U	3	8	9		K	S	0	1										
3 4 9	U	3	9	4		K	S	0	1										
3 5 0	U	3	9	5		K	S	0	1										
3 5 1	U	4	0	4		K	S	0	1										
3 5 2	U	4	0	9		K	S	0	1										
3 5 3	U	4	1	0		K	S	0	1										
3 5 4	U	4	1	1		K	S	0	1										
3 5 5	P	0	0	1		K	S	0	1										
3 5 6	P	0	0	2		K	S	0	1										
3 5 7	P	0	0	3		K	S	0	1										
3 5 8	P	0	0	4		K	S	0	1										
3 5 9	P	0	0	5		K	S	0	1										
3 6 0	P	0	0	6		K	S	0	1										
3 6 1	P	0	0	7		K	S	0	1										
3 6 2	P	0	0	8		K	S	0	1										
3 6 3	P	0	0	9		K	S	0	1										
3 6 4	P	0	1	0		K	S	0	1										
3 6 5	P	0	1	1		K	S	0	1										
3 6 6	P	0	1	2		K	S	0	1										
3 6 7	P	0	1	3		K	S	0	1										
3 6 8	P	0	1	4		K	S	0	1										
3 6 9	P	0	1	5		K	S	0	1										
3 7 0	P	0	1	6		K	S	0	1										
3 7 1	P	0	1	7		K	S	0	1										
3 7 2	P	0	1	8		K	S	0	1										
3 7 3	P	0	2	0		K	S	0	1										
3 7 4	P	0	2	1		K	S	0	1										
3 7 5	P	0	2	2		K	S	0	1										
3 7 6	P	0	2	3		K	S	0	1										
3 7 7	P	0	2	4		K	S	0	1										
3 7 8	P	0	2	6		K	S	0	1										
3 7 9	P	0	2	7		K	S	0	1										
3 8 0	P	0	2	8		K	S	0	1										

<b>EPA/State ID Number</b>	<b>W</b>	<b>A</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>9</b>	<b>6</b>	<b>7</b>
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Line Number	A. Dangerous Waste No.				B. Estimated Annual Quantity of Waste	C. Unit of Measure	D. Process												
							(1) Process Codes				(2) Process Description [If a code is not entered in D(1)]								
3	8	1	P	0	2	9		K	S	0	1								
3	8	2	P	0	3	0		K	S	0	1								
3	8	3	P	0	3	1		K	S	0	1								
3	8	4	P	0	3	3		K	S	0	1								
3	8	5	P	0	3	4		K	S	0	1								
3	8	6	P	0	3	6		K	S	0	1								
3	8	7	P	0	3	7		K	S	0	1								
3	8	8	P	0	3	8		K	S	0	1								
3	8	9	P	0	3	9		K	S	0	1								
3	9	0	P	0	4	0		K	S	0	1								
3	9	1	P	0	4	1		K	S	0	1								
3	9	2	P	0	4	2		K	S	0	1								
3	9	3	P	0	4	3		K	S	0	1								
3	9	4	P	0	4	4		K	S	0	1								
3	9	5	P	0	4	5		K	S	0	1								
3	9	6	P	0	4	6		K	S	0	1								
3	9	7	P	0	4	7		K	S	0	1								
3	9	8	P	0	4	8		K	S	0	1								
3	9	9	P	0	4	9		K	S	0	1								
4	0	0	P	0	5	0		K	S	0	1								
4	0	1	P	0	5	1		K	S	0	1								
4	0	2	P	0	5	4		K	S	0	1								
4	0	3	P	0	5	6		K	S	0	1								
4	0	4	P	0	5	7		K	S	0	1								
4	0	5	P	0	5	8		K	S	0	1								
4	0	6	P	0	5	9		K	S	0	1								
4	0	7	P	0	5	0		K	S	0	1								
4	0	8	P	0	6	2		K	S	0	1								
4	0	9	P	0	6	3		K	S	0	1								
4	1	0	P	0	6	4		K	S	0	1								
4	1	1	P	0	6	5		K	S	0	1								
4	1	2	P	0	6	6		K	S	0	1								
4	1	3	P	0	6	7		K	S	0	1								
4	1	4	P	0	6	8		K	S	0	1								
4	1	5	P	0	6	9		K	S	0	1								

<b>EPA/State ID Number</b>	<b>W</b>	<b>A</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>9</b>	<b>6</b>	<b>7</b>
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Line Number	A. Dangerous Waste No.				B. Estimated Annual Quantity of Waste	C. Unit of Measure	D. Process													
	(1) Process Codes							(2) Process Description [If a code is not entered in D(1)]												
4	1	6	P	0	7	0		K	S	0	1									
4	1	7	P	0	7	1		K	S	0	1									
4	1	8	P	0	7	2		K	S	0	1									
4	1	9	P	0	7	3		K	S	0	1									
4	2	0	P	0	7	4		K	S	0	1									
4	2	1	P	0	7	5		K	S	0	1									
4	2	2	P	0	7	6		K	S	0	1									
4	2	3	P	0	7	7		K	S	0	1									
4	2	4	P	0	7	8		K	S	0	1									
4	2	5	P	0	8	1		K	S	0	1									
4	2	6	P	0	8	2		K	S	0	1									
4	2	7	P	0	8	4		K	S	0	1									
4	2	8	P	0	8	5		K	S	0	1									
4	2	9	P	0	8	7		K	S	0	1									
4	3	0	P	0	8	8		K	S	0	1									
4	3	1	P	0	8	9		K	S	0	1									
4	3	2	P	0	9	2		K	S	0	1									
4	3	3	P	0	9	3		K	S	0	1									
4	3	4	P	0	9	4		K	S	0	1									
4	3	5	P	0	9	5		K	S	0	1									
4	3	6	P	0	9	6		K	S	0	1									
4	3	7	P	0	9	7		K	S	0	1									
4	3	8	P	0	9	8		K	S	0	1									
4	3	9	P	0	9	9		K	S	0	1									
4	4	0	P	1	0	1		K	S	0	1									
4	4	1	P	1	0	2		K	S	0	1									
4	4	2	P	1	0	3		K	S	0	1									
4	4	3	P	1	0	4		K	S	0	1									
4	4	4	P	1	0	5		K	S	0	1									
4	4	5	P	1	0	6		K	S	0	1									
4	4	6	P	1	0	7		K	S	0	1									
4	4	7	P	1	0	8		K	S	0	1									
4	4	8	P	1	0	9		K	S	0	1									
4	4	9	P	1	1	0		K	S	0	1									
4	5	0	P	1	1	1		K	S	0	1									

<b>EPA/State ID Number</b>	<b>W</b>	<b>A</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>9</b>	<b>6</b>	<b>7</b>
----------------------------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

Line Number	A. Dangerous Waste No.				B. Estimated Annual Quantity of Waste	C. Unit of Measure	D. Process												
							(1) Process Codes				(2) Process Description [If a code is not entered in D(1)]								
4	5	1	P	1	1	2		K	S	0	1								
4	5	2	P	1	1	3		K	S	0	1								
4	5	3	P	1	1	4		K	S	0	1								
4	5	4	P	1	1	5		K	S	0	1								
4	5	5	P	1	1	6		K	S	0	1								
4	5	6	P	1	1	8		K	S	0	1								
4	5	7	P	1	1	9		K	S	0	1								
4	5	8	P	1	2	0		K	S	0	1								
4	5	9	P	1	2	1		K	S	0	1								
4	6	0	P	1	2	2		K	S	0	1								
4	6	1	P	1	2	3		K	S	0	1								
4	6	2	P	1	2	7		K	S	0	1								
4	6	3	P	1	2	8		K	S	0	1								
4	6	4	P	1	8	5		K	S	0	1								
4	6	5	P	1	8	8		K	S	0	1								
4	6	6	P	1	8	9		K	S	0	1								
4	6	7	P	1	9	0		K	S	0	1								
4	6	8	P	1	9	1		K	S	0	1								
4	6	9	P	1	9	2		K	S	0	1								
4	7	0	P	1	9	4		K	S	0	1								
4	7	1	P	1	9	6		K	S	0	1								
4	7	2	P	1	9	7		K	S	0	1								
4	7	3	P	1	9	8		K	S	0	1								
4	7	4	P	1	9	9		K	S	0	1								
4	7	5	P	2	0	1		K	S	0	1								
4	7	6	P	2	0	2		K	S	0	1								
4	7	7	P	2	0	3		K	S	0	1								
4	7	8	P	2	0	4		K	S	0	1								
4	7	9	P	2	0	5		K	S	0	1								
4	8	0	W	L	0	2		K	S	0	1								
4	8	1	W	L	0	1		K	S	0	1								

**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.

<p><b>Operator</b> Name and Official Title (type or print) Shirley J. Olinger, Manager U.S. Department of Energy Office of River Protection</p>	<p><b>Signature</b> </p>	<p><b>Date Signed</b> 9/24/08</p>
<p><b>Co-Operator*</b> Name and Official Title (type or print) William J. Johnson President and Project Manager Washington River Protection Solutions, LLC</p>	<p><b>Signature</b> </p>	<p><b>Date Signed</b> 9/09/08</p>
<p><b>Co-Operator – Address and Telephone Number*</b> P.O. Box 850 Richland, WA 99352 (509) 372-9138</p>		
<p><b>Facility-Property Owner</b> Name and Official Title (type or print) Shirley J. Olinger, Manager U.S. Department of Energy Office of River Protection</p>	<p><b>Signature</b> </p>	<p><b>Date Signed</b> 9/24/08</p>

**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.

222-S Dangerous and Mixed Waste TSD Components



**219-S Waste Handling Facility**

00100005-2CN  
Photo Taken 2000



**Dangerous and Mixed Waste Storage Area**

98110210-13.JPG  
Photo Taken 1998



**Room 2-B**

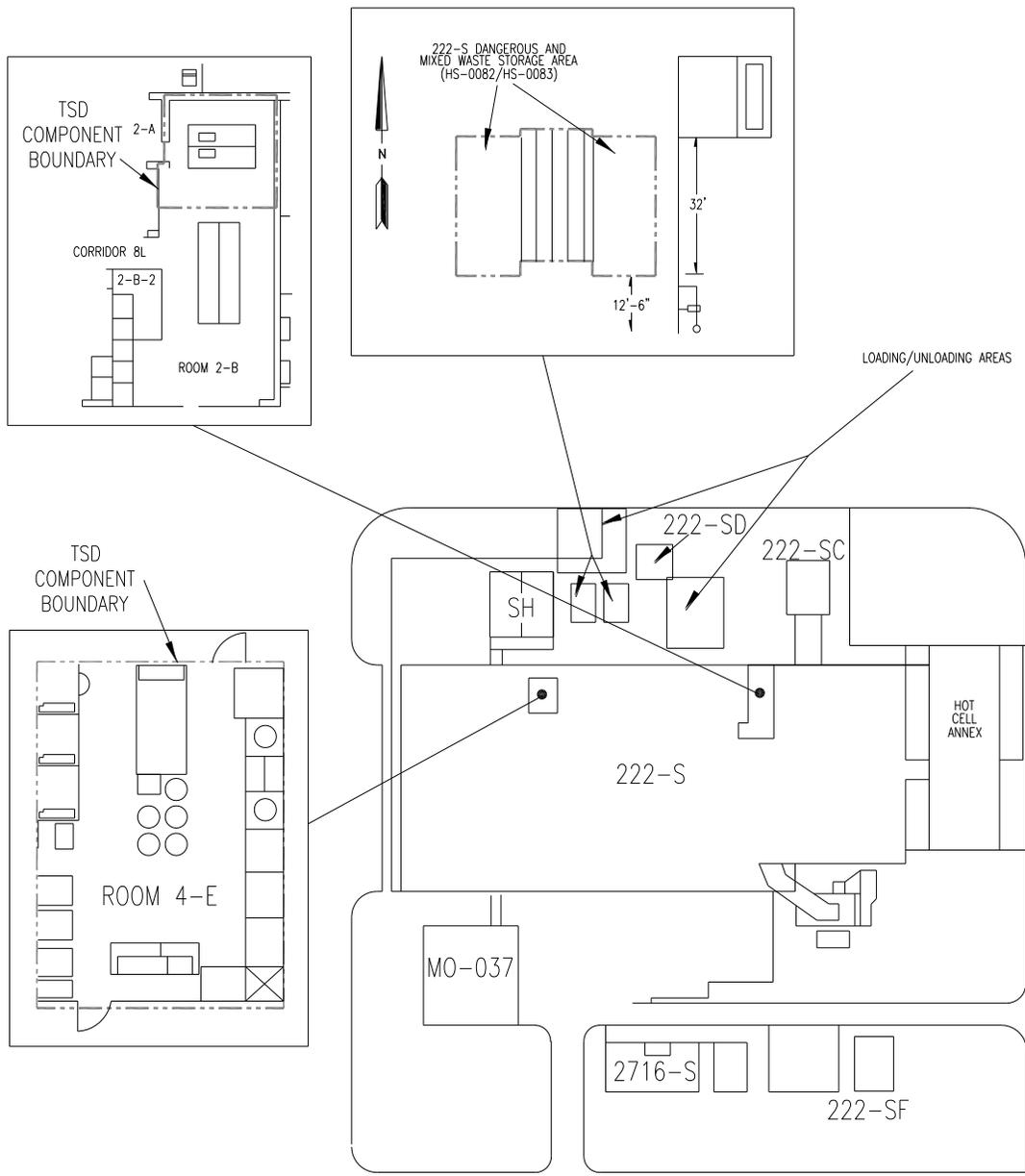
Photo Taken 2006



**Room 4-E**

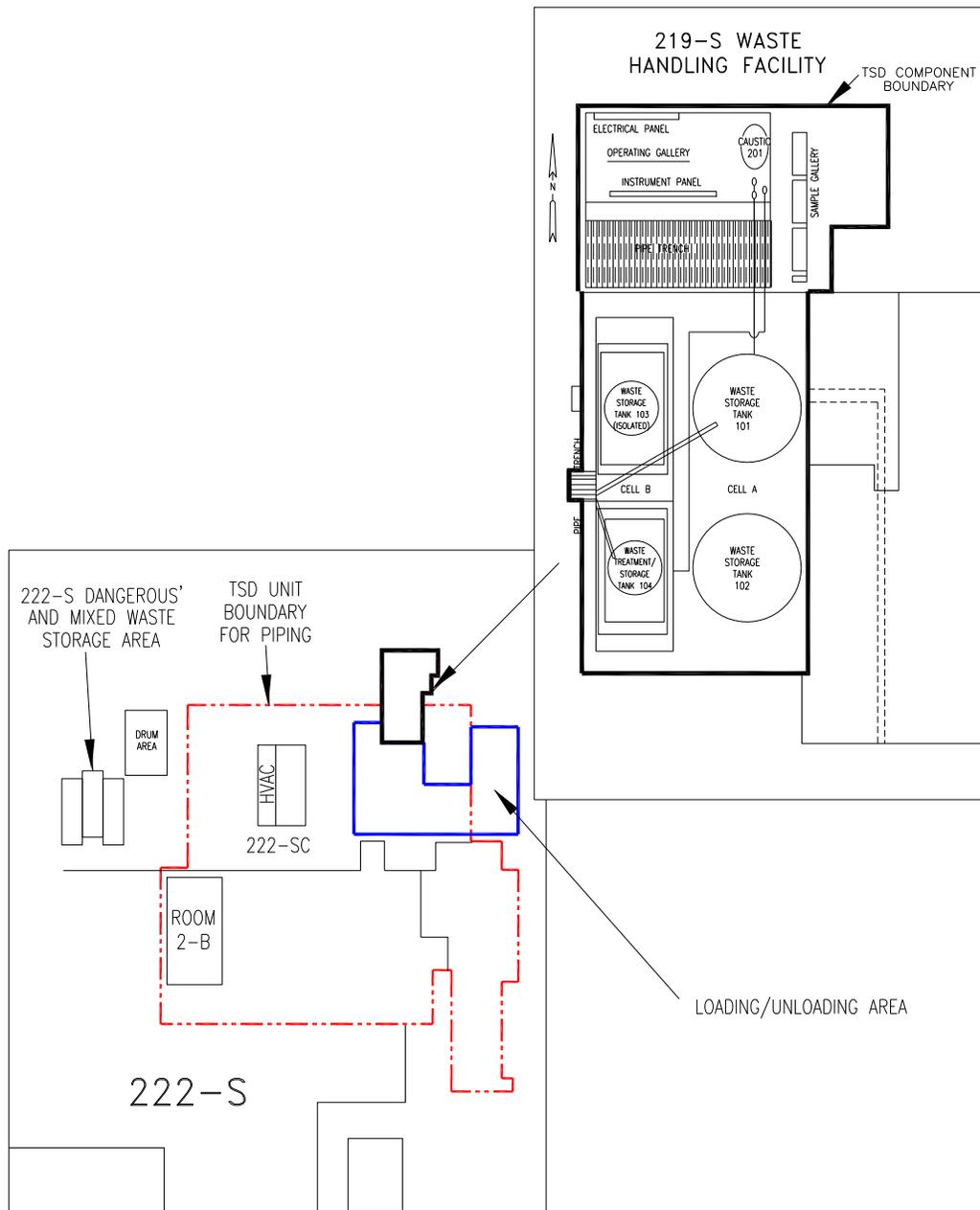
Photo Taken 2006

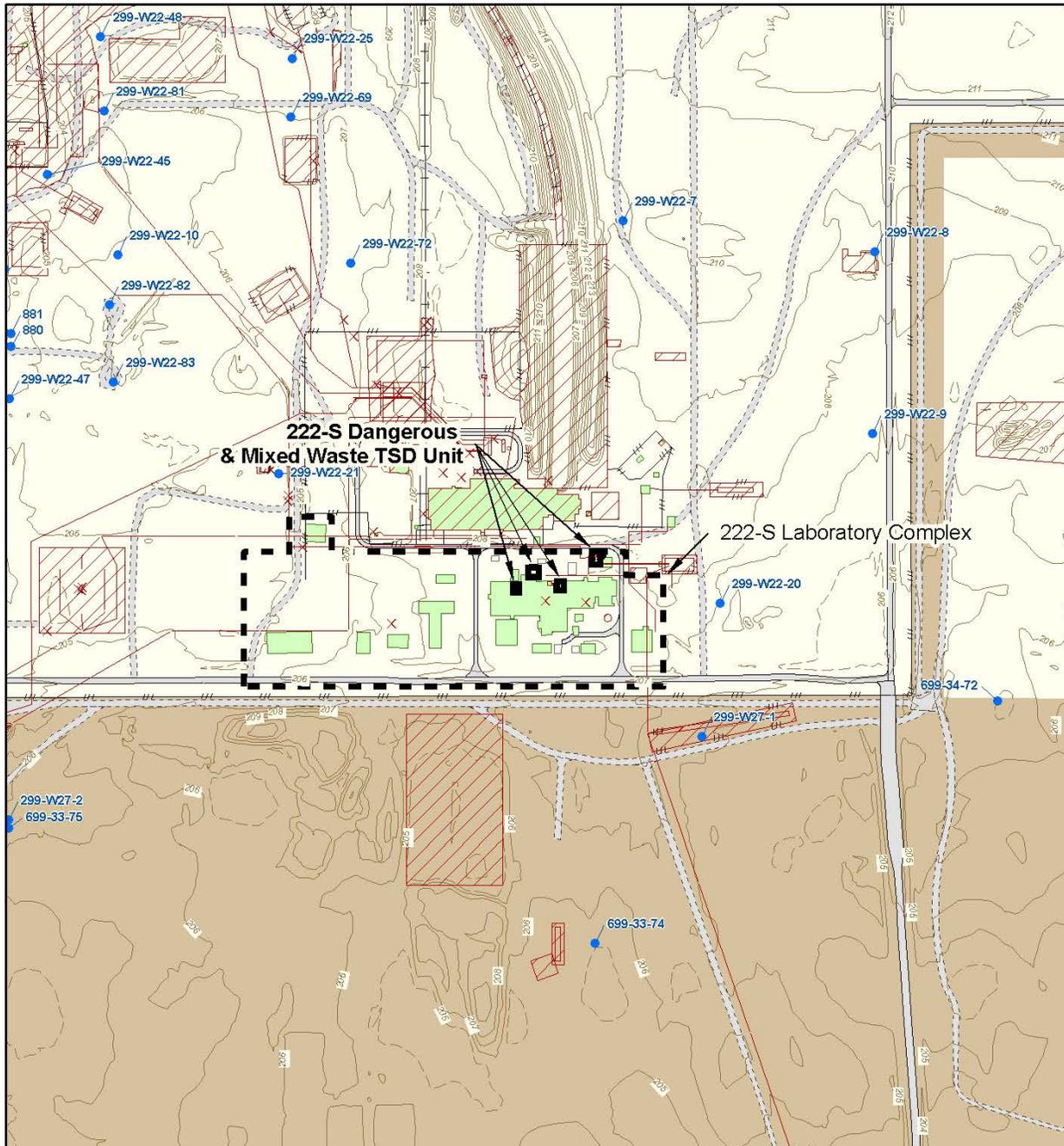
### Container Storage Areas



CONTAINER STORAGE AREAS

### Tank System Treatment and Storage Area





## 222-S Dangerous & Mixed Waste TSD Unit

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

Hanford Site



Unit Location

- 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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