



Department of Energy
Richland Operations Office
P.O. Box 550
Richland, Washington 99352

JUL 31 2015

15-ESQ-0098

Ms. J. A. Hedges, Program Manager
Nuclear Waste Program
Washington State Department of Ecology
3100 Port of Benton Boulevard
Richland, Washington 99354

Dear Ms. Hedges:

UPDATED PART A FORM FOR THE 325 HAZARDOUS WASTE TREATMENT UNITS (HWTUs) PORTION OF THE HANFORD FACILITY RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) PERMIT

This letter transmits an updated Part A Form for the 325 HWTUs Operating Unit Group (OUG) of the Hanford Facility RCRA Permit. This OUG is owned and operated by the U.S. Department of Energy Richland Operations Office (RL) and co-operated by the Pacific Northwest National Laboratory (PNNL).

In June 2014, RL submitted a Class 3 (major) permit modification package and a temporary authorization request for addition of three new units (the Cask Handling Area, the Truck Lock, and the 3714 Pad) to the 325 HWTUs OUG. The requested package has since gone through two Public Comment Periods and is being prepared to be included in the Hanford Facility RCRA Permit.

The Part A Form for the 325 HWTUs OUG has been updated in response to a public comment to include the TO4 Process Code and the associated Process Design Capacity in Sections XII and XIII. The Part A Form has also been updated to reflect the present RL Manager.

Ms. J. A. Hedges
15-ESQ-0098

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JUL 31 2015

If you have any questions, please contact me, or your staff may contact Jeff Frey, Acting Assistant Manager for Safety and Environment, on (509) 376-7727.

Sincerely,



Stacy Charboneau
Manager

ESQ:ACM

Enclosure

cc w/encl:

Administrative Record, TSD: (325 Hazardous Waste Treatment Units, T-3-4) (Hard Copy)
Ecology NWP Library (Hardcopy)
Environmental Portal, LMSI, A3-95
HF Operating Record (J. K. Perry, MSA, H7-28)

cc w/o encl:

C. M. Andersen, PNNL
G. Bohnee, NPT
S. L. Dahl-Crumpler, Ecology
S. Harris, CTUIR
R. Jim, YN
T. M. McDermott, PNSO
S. L. Nichols, Ecology
H. T. Tilden, PNNL

		WASHINGTON STATE DEPARTMENT OF ECOLOGY		Dangerous Waste Permit Application Part A Form	
Date Received		Reviewed by:		Date:	
Month	Day	Year	Approved by:		Date:
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	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	2 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)					
Charboneau						Stacy					
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 (area code and number)					
Department of Energy Owner/Operator						(509) 376-7395					
Pacific Northwest National Laboratory Co-Operator for 325 HWTUs*						(509) 372-6503					
Street or P.O. Box											
P.O. Box 550 P.O. Box 999											
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					
If yes, provide the scheduled date for the change:						Month		Day		Year	
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)					
Stacy L. Charboneau, 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. 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					
If yes, provide the scheduled date for the change:						Month		Day		Year	
IX. NAICS Codes (5/6 digit codes)											
A. First						B. Second					
5	4	1	7	1	2	Research & Development in the Physical, Engineering, & Life Sciences					
C. Third						D. Fourth					

X. Other Environmental Permits (see instructions)													
A. Permit Type		B. Permit Number										C. Description	
	E	A	I	R	-	1	1	-		7	0	4	WAC 246-247, Non radioactive Air, 40 CFR 61, Subpart H, NESHAPS

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

The 325 Hazardous Waste Treatment Units (325 HWTUs) consist of the Shielded Analytical Laboratory (SAL), which includes Rooms 32, 200, 201, 202, and 203 of the 325 Building; the Hazardous Waste Treatment Unit (HWTU), encompassing Rooms 520, 524, and 528 of the 325 Building; the Cask Handling Area, consisting of the northern portion of Rooms 603 and 604A of the 325 Building; the Truck Lock, Room 610 of the 325 Building; and the 3714 Pad area, an outdoor storage area adjacent to the 325 Building. The 325 HWTUs began waste management operations in 1991 (SAL) and 1995 (HWTU); the Cask Handling Area, the Truck Lock, and the 3714 Pad were added in 2014.

Dangerous or mixed waste treatments in the SAL and HWTU are generally conducted as small bench-scale operations except for in-tank treatments. Treatment processes utilized at the 325 HWTUs may include any of the types of treatment described in WAC 173-303-380(2)(d), Table 2, Section 2 except for the following: incineration technologies (T06-T10), large-scale biological treatment (T68, T72, and T73), boiler and industrial furnace-based treatment (T80-T93), and treatment in containment buildings (T94).

Routine dangerous and/or mixed waste treatment that will be conducted in the SAL and HWTU will include pH adjustment, ion exchange, carbon absorption, oxidation, reduction, waste concentration by evaporation, precipitation, filtration, solvent extraction, solids washing, phase separation, catalytic destruction, and solidification/stabilization. These waste treatments will be conducted on small quantities of diverse radioactive, dangerous, and/or mixed wastes generated from ongoing research and development and analytical chemistry activities.

Activities in the Cask Handling Area, the Truck Lock, and the 3714 Pad are focused on preparation and staging of dangerous or mixed waste for shipment to treatment or disposal facilities. Activities include repackaging, stabilization and void filling, and staging and storage for shipment. This activity often involves placing containers in 4'x4'x8' burial boxes and filling void spaces with concrete. The use of burial boxes is the reason these units require significantly larger treatment and storage capabilities; the actual amount of waste generated is not the reason for the larger capacity shown. The Cask Handling Area also contains a hood where small-scale treatment like that performed in the HWTU and SAL units can occur.

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	1	50,360	L	005	1							
2	S	0	2	1,218	L	001	2	T	0	4	39,874	V	005	Treatment in containers
3	T	0	1	1,218	V	001	3							
4	T	0	4	39,874	V	005	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							

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7
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Continuation of Section XIV. Description of Dangerous Waste

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)]
26	D	0	2	6		K	S	0	1	T	0	4	Includes Debris
27	D	0	2	7		K	S	0	1	T	0	4	Includes Debris
28	D	0	2	8		K	S	0	1	T	0	4	Includes Debris
29	D	0	2	9		K	S	0	1	T	0	4	Includes Debris
30	D	0	3	0		K	S	0	1	T	0	4	Includes Debris
31	D	0	3	1		K	S	0	1	T	0	4	Includes Debris
32	D	0	3	2		K	S	0	1	T	0	4	Includes Debris
33	D	0	3	3		K	S	0	1	T	0	4	Includes Debris
34	D	0	3	4		K	S	0	1	T	0	4	Includes Debris
35	D	0	3	5		K	S	0	1	T	0	4	Includes Debris
36	D	0	3	6		K	S	0	1	T	0	4	Includes Debris
37	D	0	3	7		K	S	0	1	T	0	4	Includes Debris
38	D	0	3	8		K	S	0	1	T	0	4	Includes Debris
39	D	0	3	9		K	S	0	1	T	0	4	Includes Debris
40	D	0	4	0		K	S	0	1	T	0	4	Includes Debris
41	D	0	4	1		K	S	0	1	T	0	4	Includes Debris
42	D	0	4	2		K	S	0	1	T	0	4	Includes Debris
43	D	0	4	3		K	S	0	1	T	0	4	Includes Debris
44	F	0	0	1		K	S	0	1	T	0	4	Includes Debris
45	F	0	0	2		K	S	0	1	T	0	4	Includes Debris
46	F	0	0	3		K	S	0	1	T	0	4	Includes Debris
47	F	0	0	4		K	S	0	1	T	0	4	Includes Debris
48	F	0	0	5		K	S	0	1	T	0	4	Includes Debris
49	F	0	2	7		K	S	0	1	T	0	4	Includes Debris
50	F	0	3	9		K	S	0	1	T	0	4	Includes Debris
51	P	0	0	1		K	S	0	1	T	0	4	Includes Debris
52	P	0	0	2		K	S	0	1	T	0	4	Includes Debris
53	P	0	0	3		K	S	0	1	T	0	4	Includes Debris
54	P	0	0	4		K	S	0	1	T	0	4	Includes Debris
55	P	0	0	5		K	S	0	1	T	0	4	Includes Debris
56	P	0	0	6		K	S	0	1	T	0	4	Includes Debris
57	P	0	0	7		K	S	0	1	T	0	4	Includes Debris
58	P	0	0	8		K	S	0	1	T	0	4	Includes Debris
59	P	0	0	9		K	S	0	1	T	0	4	Includes Debris
60	P	0	1	0		K	S	0	1	T	0	4	Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7
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Continuation of Section XIV. Description of Dangerous Waste

61	P	0	1	1		K	S	0	1	T	0	4				Includes Debris
62	P	0	1	2		K	S	0	1	T	0	4				Includes Debris
63	P	0	1	3		K	S	0	1	T	0	4				Includes Debris
64	P	0	1	4		K	S	0	1	T	0	4				Includes Debris
65	P	0	1	5		K	S	0	1	T	0	4				Includes Debris
66	P	0	1	6		K	S	0	1	T	0	4				Includes Debris
67	P	0	1	7		K	S	0	1	T	0	4				Includes Debris
68	P	0	1	8		K	S	0	1	T	0	4				Includes Debris
69	P	0	2	0		K	S	0	1	T	0	4				Includes Debris
70	P	0	2	1		K	S	0	1	T	0	4				Includes Debris
71	P	0	2	2		K	S	0	1	T	0	4				Includes Debris
72	P	0	2	3		K	S	0	1	T	0	4				Includes Debris
73	P	0	2	4		K	S	0	1	T	0	4				Includes Debris
74	P	0	2	6		K	S	0	1	T	0	4				Includes Debris
75	P	0	2	7		K	S	0	1	T	0	4				Includes Debris
76	P	0	2	8		K	S	0	1	T	0	4				Includes Debris
77	P	0	2	9		K	S	0	1	T	0	4				Includes Debris
78	P	0	3	0		K	S	0	1	T	0	4				Includes Debris
79	P	0	3	1		K	S	0	1	T	0	4				Includes Debris
80	P	0	3	3		K	S	0	1	T	0	4				Includes Debris
81	P	0	3	4		K	S	0	1	T	0	4				Includes Debris
82	P	0	3	6		K	S	0	1	T	0	4				Includes Debris
83	P	0	3	7		K	S	0	1	T	0	4				Includes Debris
84	P	0	3	8		K	S	0	1	T	0	4				Includes Debris
85	P	0	3	9		K	S	0	1	T	0	4				Includes Debris
86	P	0	4	0		K	S	0	1	T	0	4				Includes Debris
87	P	0	4	1		K	S	0	1	T	0	4				Includes Debris
88	P	0	4	2		K	S	0	1	T	0	4				Includes Debris
89	P	0	4	3		K	S	0	1	T	0	4				Includes Debris
90	P	0	4	4		K	S	0	1	T	0	4				Includes Debris
91	P	0	4	5		K	S	0	1	T	0	4				Includes Debris
92	P	0	4	6		K	S	0	1	T	0	4				Includes Debris
93	P	0	4	7		K	S	0	1	T	0	4				Includes Debris
94	P	0	4	8		K	S	0	1	T	0	4				Includes Debris
95	P	0	4	9		K	S	0	1	T	0	4				Includes Debris
96	P	0	5	0		K	S	0	1	T	0	4				Includes Debris
97	P	0	5	1		K	S	0	1	T	0	4				Includes Debris
98	P	0	5	4		K	S	0	1	T	0	4				Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7
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Continuation of Section XIV. Description of Dangerous Waste

99	P	0	5	6		K	S	0	1	T	0	4				Includes Debris
100	P	0	5	7		K	S	0	1	T	0	4				Includes Debris
101	P	0	5	8		K	S	0	1	T	0	4				Includes Debris
102	P	0	5	9		K	S	0	1	T	0	4				Includes Debris
103	P	0	6	0		K	S	0	1	T	0	4				Includes Debris
104	P	0	6	2		K	S	0	1	T	0	4				Includes Debris
105	P	0	6	3		K	S	0	1	T	0	4				Includes Debris
106	P	0	6	4		K	S	0	1	T	0	4				Includes Debris
107	P	0	6	5		K	S	0	1	T	0	4				Includes Debris
108	P	0	6	6		K	S	0	1	T	0	4				Includes Debris
109	P	0	6	7		K	S	0	1	T	0	4				Includes Debris
110	P	0	6	8		K	S	0	1	T	0	4				Includes Debris
111	P	0	6	9		K	S	0	1	T	0	4				Includes Debris
112	P	0	7	0		K	S	0	1	T	0	4				Includes Debris
113	P	0	7	1		K	S	0	1	T	0	4				Includes Debris
114	P	0	7	2		K	S	0	1	T	0	4				Includes Debris
115	P	0	7	3		K	S	0	1	T	0	4				Includes Debris
116	P	0	7	4		K	S	0	1	T	0	4				Includes Debris
117	P	0	7	5		K	S	0	1	T	0	4				Includes Debris
118	P	0	7	6		K	S	0	1	T	0	4				Includes Debris
119	P	0	7	7		K	S	0	1	T	0	4				Includes Debris
120	P	0	7	8		K	S	0	1	T	0	4				Includes Debris
121	P	0	8	1		K	S	0	1	T	0	4				Includes Debris
122	P	0	8	2		K	S	0	1	T	0	4				Includes Debris
123	P	0	8	4		K	S	0	1	T	0	4				Includes Debris
124	P	0	8	5		K	S	0	1	T	0	4				Includes Debris
125	P	0	8	7		K	S	0	1	T	0	4				Includes Debris
126	P	0	8	8		K	S	0	1	T	0	4				Includes Debris
127	P	0	8	9		K	S	0	1	T	0	4				Includes Debris
128	P	0	9	2		K	S	0	1	T	0	4				Includes Debris
129	P	0	9	3		K	S	0	1	T	0	4				Includes Debris
130	P	0	9	4		K	S	0	1	T	0	4				Includes Debris
131	P	0	9	5		K	S	0	1	T	0	4				Includes Debris
132	P	0	9	6		K	S	0	1	T	0	4				Includes Debris
133	P	0	9	7		K	S	0	1	T	0	4				Includes Debris
134	P	0	9	8		K	S	0	1	T	0	4				Includes Debris
135	P	0	9	9		K	S	0	1	T	0	4				Includes Debris
136	P	1	0	1		K	S	0	1	T	0	4				Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7
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Continuation of Section XIV. Description of Dangerous Waste

137	P	1	0	2		K	S	0	1	T	0	4				Includes Debris
138	P	1	0	3		K	S	0	1	T	0	4				Includes Debris
139	P	1	0	4		K	S	0	1	T	0	4				Includes Debris
140	P	1	0	5		K	S	0	1	T	0	4				Includes Debris
141	P	1	0	6		K	S	0	1	T	0	4				Includes Debris
142	P	1	0	8		K	S	0	1	T	0	4				Includes Debris
143	P	1	0	9		K	S	0	1	T	0	4				Includes Debris
144	P	1	1	0		K	S	0	1	T	0	4				Includes Debris
145	P	1	1	1		K	S	0	1	T	0	4				Includes Debris
146	P	1	1	2		K	S	0	1	T	0	4				Includes Debris
147	P	1	1	3		K	S	0	1	T	0	4				Includes Debris
148	P	1	1	4		K	S	0	1	T	0	4				Includes Debris
149	P	1	1	5		K	S	0	1	T	0	4				Includes Debris
150	P	1	1	6		K	S	0	1	T	0	4				Includes Debris
151	P	1	1	8		K	S	0	1	T	0	4				Includes Debris
152	P	1	1	9		K	S	0	1	T	0	4				Includes Debris
153	P	1	2	0		K	S	0	1	T	0	4				Includes Debris
154	P	1	2	1		K	S	0	1	T	0	4				Includes Debris
155	P	1	2	2		K	S	0	1	T	0	4				Includes Debris
156	P	1	2	3		K	S	0	1	T	0	4				Includes Debris
157	P	1	2	7		K	S	0	1	T	0	4				Includes Debris
158	P	1	2	8		K	S	0	1	T	0	4				Includes Debris
159	P	1	8	5		K	S	0	1	T	0	4				Includes Debris
160	P	1	8	8		K	S	0	1	T	0	4				Includes Debris
161	P	1	8	9		K	S	0	1	T	0	4				Includes Debris
162	P	1	9	0		K	S	0	1	T	0	4				Includes Debris
163	P	1	9	1		K	S	0	1	T	0	4				Includes Debris
164	P	1	9	2		K	S	0	1	T	0	4				Includes Debris
165	P	1	9	4		K	S	0	1	T	0	4				Includes Debris
166	P	1	9	6		K	S	0	1	T	0	4				Includes Debris
167	P	1	9	7		K	S	0	1	T	0	4				Includes Debris
168	P	1	9	8		K	S	0	1	T	0	4				Includes Debris
169	P	1	9	9		K	S	0	1	T	0	4				Includes Debris
170	P	2	0	1		K	S	0	1	T	0	4				Includes Debris
171	P	2	0	2		K	S	0	1	T	0	4				Includes Debris
172	P	2	0	3		K	S	0	1	T	0	4				Includes Debris
173	P	2	0	4		K	S	0	1	T	0	4				Includes Debris
174	P	2	0	5		K	S	0	1	T	0	4				Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7
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Continuation of Section XIV. Description of Dangerous Waste

175	U	0	0	1		K	S	0	1	T	0	4				Includes Debris
176	U	0	0	2		K	S	0	1	T	0	4				Includes Debris
177	U	0	0	3		K	S	0	1	T	0	4				Includes Debris
178	U	0	0	4		K	S	0	1	T	0	4				Includes Debris
179	U	0	0	5		K	S	0	1	T	0	4				Includes Debris
180	U	0	0	6		K	S	0	1	T	0	4				Includes Debris
181	U	0	0	7		K	S	0	1	T	0	4				Includes Debris
182	U	0	0	8		K	S	0	1	T	0	4				Includes Debris
183	U	0	0	9		K	S	0	1	T	0	4				Includes Debris
184	U	0	1	0		K	S	0	1	T	0	4				Includes Debris
185	U	0	1	1		K	S	0	1	T	0	4				Includes Debris
186	U	0	1	2		K	S	0	1	T	0	4				Includes Debris
187	U	0	1	4		K	S	0	1	T	0	4				Includes Debris
188	U	0	1	5		K	S	0	1	T	0	4				Includes Debris
189	U	0	1	6		K	S	0	1	T	0	4				Includes Debris
190	U	0	1	7		K	S	0	1	T	0	4				Includes Debris
191	U	0	1	8		K	S	0	1	T	0	4				Includes Debris
192	U	0	1	9		K	S	0	1	T	0	4				Includes Debris
193	U	0	2	0		K	S	0	1	T	0	4				Includes Debris
194	U	0	2	1		K	S	0	1	T	0	4				Includes Debris
195	U	0	2	2		K	S	0	1	T	0	4				Includes Debris
196	U	0	2	3		K	S	0	1	T	0	4				Includes Debris
197	U	0	2	4		K	S	0	1	T	0	4				Includes Debris
198	U	0	2	5		K	S	0	1	T	0	4				Includes Debris
199	U	0	2	6		K	S	0	1	T	0	4				Includes Debris
200	U	0	2	7		K	S	0	1	T	0	4				Includes Debris
201	U	0	2	8		K	S	0	1	T	0	4				Includes Debris
202	U	0	2	9		K	S	0	1	T	0	4				Includes Debris
203	U	0	3	0		K	S	0	1	T	0	4				Includes Debris
204	U	0	3	1		K	S	0	1	T	0	4				Includes Debris
205	U	0	3	2		K	S	0	1	T	0	4				Includes Debris
206	U	0	3	3		K	S	0	1	T	0	4				Includes Debris
207	U	0	3	4		K	S	0	1	T	0	4				Includes Debris
208	U	0	3	5		K	S	0	1	T	0	4				Includes Debris
209	U	0	3	6		K	S	0	1	T	0	4				Includes Debris
210	U	0	3	7		K	S	0	1	T	0	4				Includes Debris
211	U	0	3	8		K	S	0	1	T	0	4				Includes Debris
212	U	0	3	9		K	S	0	1	T	0	4				Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7
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Continuation of Section XIV. Description of Dangerous Waste

213	U	0	4	1		K	S	0	1	T	0	4			Includes Debris
214	U	0	4	2		K	S	0	1	T	0	4			Includes Debris
215	U	0	4	3		K	S	0	1	T	0	4			Includes Debris
216	U	0	4	4		K	S	0	1	T	0	4			Includes Debris
217	U	0	4	5		K	S	0	1	T	0	4			Includes Debris
218	U	0	4	6		K	S	0	1	T	0	4			Includes Debris
219	U	0	4	7		K	S	0	1	T	0	4			Includes Debris
220	U	0	4	8		K	S	0	1	T	0	4			Includes Debris
221	U	0	4	9		K	S	0	1	T	0	4			Includes Debris
222	U	0	5	0		K	S	0	1	T	0	4			Includes Debris
223	U	0	5	1		K	S	0	1	T	0	4			Includes Debris
224	U	0	5	2		K	S	0	1	T	0	4			Includes Debris
225	U	0	5	3		K	S	0	1	T	0	4			Includes Debris
226	U	0	5	5		K	S	0	1	T	0	4			Includes Debris
227	U	0	5	6		K	S	0	1	T	0	4			Includes Debris
228	U	0	5	7		K	S	0	1	T	0	4			Includes Debris
229	U	0	5	8		K	S	0	1	T	0	4			Includes Debris
230	U	0	5	9		K	S	0	1	T	0	4			Includes Debris
231	U	0	6	0		K	S	0	1	T	0	4			Includes Debris
232	U	0	6	1		K	S	0	1	T	0	4			Includes Debris
233	U	0	6	2		K	S	0	1	T	0	4			Includes Debris
234	U	0	6	3		K	S	0	1	T	0	4			Includes Debris
235	U	0	6	4		K	S	0	1	T	0	4			Includes Debris
236	U	0	6	6		K	S	0	1	T	0	4			Includes Debris
237	U	0	6	7		K	S	0	1	T	0	4			Includes Debris
238	U	0	6	8		K	S	0	1	T	0	4			Includes Debris
239	U	0	6	9		K	S	0	1	T	0	4			Includes Debris
240	U	0	7	0		K	S	0	1	T	0	4			Includes Debris
241	U	0	7	1		K	S	0	1	T	0	4			Includes Debris
242	U	0	7	2		K	S	0	1	T	0	4			Includes Debris
243	U	0	7	3		K	S	0	1	T	0	4			Includes Debris
244	U	0	7	4		K	S	0	1	T	0	4			Includes Debris
245	U	0	7	5		K	S	0	1	T	0	4			Includes Debris
246	U	0	7	6		K	S	0	1	T	0	4			Includes Debris
247	U	0	7	7		K	S	0	1	T	0	4			Includes Debris
248	U	0	7	8		K	S	0	1	T	0	4			Includes Debris
249	U	0	7	9		K	S	0	1	T	0	4			Includes Debris
250	U	0	8	0		K	S	0	1	T	0	4			Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7
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Continuation of Section XIV. Description of Dangerous Waste

251	U	0	8	1		K	S	0	1	T	0	4				Includes Debris
252	U	0	8	2		K	S	0	1	T	0	4				Includes Debris
253	U	0	8	3		K	S	0	1	T	0	4				Includes Debris
254	U	0	8	4		K	S	0	1	T	0	4				Includes Debris
255	U	0	8	5		K	S	0	1	T	0	4				Includes Debris
256	U	0	8	6		K	S	0	1	T	0	4				Includes Debris
257	U	0	8	7		K	S	0	1	T	0	4				Includes Debris
258	U	0	8	8		K	S	0	1	T	0	4				Includes Debris
259	U	0	8	9		K	S	0	1	T	0	4				Includes Debris
260	U	0	9	0		K	S	0	1	T	0	4				Includes Debris
261	U	0	9	1		K	S	0	1	T	0	4				Includes Debris
262	U	0	9	2		K	S	0	1	T	0	4				Includes Debris
263	U	0	9	3		K	S	0	1	T	0	4				Includes Debris
264	U	0	9	4		K	S	0	1	T	0	4				Includes Debris
265	U	0	9	5		K	S	0	1	T	0	4				Includes Debris
266	U	0	9	6		K	S	0	1	T	0	4				Includes Debris
267	U	0	9	7		K	S	0	1	T	0	4				Includes Debris
268	U	0	9	8		K	S	0	1	T	0	4				Includes Debris
269	U	0	9	9		K	S	0	1	T	0	4				Includes Debris
270	U	1	0	1		K	S	0	1	T	0	4				Includes Debris
271	U	1	0	2		K	S	0	1	T	0	4				Includes Debris
272	U	1	0	3		K	S	0	1	T	0	4				Includes Debris
273	U	1	0	5		K	S	0	1	T	0	4				Includes Debris
274	U	1	0	6		K	S	0	1	T	0	4				Includes Debris
275	U	1	0	7		K	S	0	1	T	0	4				Includes Debris
276	U	1	0	8		K	S	0	1	T	0	4				Includes Debris
277	U	1	0	9		K	S	0	1	T	0	4				Includes Debris
278	U	1	1	0		K	S	0	1	T	0	4				Includes Debris
279	U	1	1	1		K	S	0	1	T	0	4				Includes Debris
280	U	1	1	2		K	S	0	1	T	0	4				Includes Debris
281	U	1	1	3		K	S	0	1	T	0	4				Includes Debris
282	U	1	1	4		K	S	0	1	T	0	4				Includes Debris
283	U	1	1	5		K	S	0	1	T	0	4				Includes Debris
284	U	1	1	6		K	S	0	1	T	0	4				Includes Debris
285	U	1	1	7		K	S	0	1	T	0	4				Includes Debris
286	U	1	1	8		K	S	0	1	T	0	4				Includes Debris
287	U	1	1	9		K	S	0	1	T	0	4				Includes Debris
288	U	1	2	0		K	S	0	1	T	0	4				Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7
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Continuation of Section XIV. Description of Dangerous Waste

289	U	1	2	1		K	S	0	1	T	0	4				Includes Debris
290	U	1	2	2		K	S	0	1	T	0	4				Includes Debris
291	U	1	2	3		K	S	0	1	T	0	4				Includes Debris
292	U	1	2	4		K	S	0	1	T	0	4				Includes Debris
293	U	1	2	5		K	S	0	1	T	0	4				Includes Debris
294	U	1	2	6		K	S	0	1	T	0	4				Includes Debris
295	U	1	2	7		K	S	0	1	T	0	4				Includes Debris
296	U	1	2	8		K	S	0	1	T	0	4				Includes Debris
297	U	1	2	9		K	S	0	1	T	0	4				Includes Debris
298	U	1	3	0		K	S	0	1	T	0	4				Includes Debris
299	U	1	3	1		K	S	0	1	T	0	4				Includes Debris
300	U	1	3	2		K	S	0	1	T	0	4				Includes Debris
301	U	1	3	3		K	S	0	1	T	0	4				Includes Debris
302	U	1	3	4		K	S	0	1	T	0	4				Includes Debris
303	U	1	3	5		K	S	0	1	T	0	4				Includes Debris
304	U	1	3	6		K	S	0	1	T	0	4				Includes Debris
305	U	1	3	7		K	S	0	1	T	0	4				Includes Debris
306	U	1	3	8		K	S	0	1	T	0	4				Includes Debris
307	U	1	4	0		K	S	0	1	T	0	4				Includes Debris
308	U	1	4	1		K	S	0	1	T	0	4				Includes Debris
309	U	1	4	2		K	S	0	1	T	0	4				Includes Debris
310	U	1	4	3		K	S	0	1	T	0	4				Includes Debris
311	U	1	4	4		K	S	0	1	T	0	4				Includes Debris
312	U	1	4	5		K	S	0	1	T	0	4				Includes Debris
313	U	1	4	6		K	S	0	1	T	0	4				Includes Debris
314	U	1	4	7		K	S	0	1	T	0	4				Includes Debris
315	U	1	4	8		K	S	0	1	T	0	4				Includes Debris
316	U	1	4	9		K	S	0	1	T	0	4				Includes Debris
317	U	1	5	0		K	S	0	1	T	0	4				Includes Debris
318	U	1	5	1		K	S	0	1	T	0	4				Includes Debris
319	U	1	5	2		K	S	0	1	T	0	4				Includes Debris
320	U	1	5	3		K	S	0	1	T	0	4				Includes Debris
321	U	1	5	4		K	S	0	1	T	0	4				Includes Debris
322	U	1	5	5		K	S	0	1	T	0	4				Includes Debris
323	U	1	5	6		K	S	0	1	T	0	4				Includes Debris
324	U	1	5	7		K	S	0	1	T	0	4				Includes Debris
325	U	1	5	8		K	S	0	1	T	0	4				Includes Debris
326	U	1	5	9		K	S	0	1	T	0	4				Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7
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Continuation of Section XIV. Description of Dangerous Waste

327	U	1	6	0		K	S	0	1	T	0	4				Includes Debris
328	U	1	6	1		K	S	0	1	T	0	4				Includes Debris
329	U	1	6	2		K	S	0	1	T	0	4				Includes Debris
330	U	1	6	3		K	S	0	1	T	0	4				Includes Debris
331	U	1	6	4		K	S	0	1	T	0	4				Includes Debris
332	U	1	6	5		K	S	0	1	T	0	4				Includes Debris
333	U	1	6	6		K	S	0	1	T	0	4				Includes Debris
334	U	1	6	7		K	S	0	1	T	0	4				Includes Debris
335	U	1	6	8		K	S	0	1	T	0	4				Includes Debris
336	U	1	6	9		K	S	0	1	T	0	4				Includes Debris
337	U	1	7	0		K	S	0	1	T	0	4				Includes Debris
338	U	1	7	1		K	S	0	1	T	0	4				Includes Debris
339	U	1	7	2		K	S	0	1	T	0	4				Includes Debris
340	U	1	7	3		K	S	0	1	T	0	4				Includes Debris
341	U	1	7	4		K	S	0	1	T	0	4				Includes Debris
342	U	1	7	6		K	S	0	1	T	0	4				Includes Debris
343	U	1	7	7		K	S	0	1	T	0	4				Includes Debris
344	U	1	7	8		K	S	0	1	T	0	4				Includes Debris
345	U	1	7	9		K	S	0	1	T	0	4				Includes Debris
346	U	1	8	0		K	S	0	1	T	0	4				Includes Debris
347	U	1	8	1		K	S	0	1	T	0	4				Includes Debris
348	U	1	8	2		K	S	0	1	T	0	4				Includes Debris
349	U	1	8	3		K	S	0	1	T	0	4				Includes Debris
350	U	1	8	4		K	S	0	1	T	0	4				Includes Debris
351	U	1	8	5		K	S	0	1	T	0	4				Includes Debris
352	U	1	8	6		K	S	0	1	T	0	4				Includes Debris
353	U	1	8	7		K	S	0	1	T	0	4				Includes Debris
354	U	1	8	8		K	S	0	1	T	0	4				Includes Debris
355	U	1	8	9		K	S	0	1	T	0	4				Includes Debris
356	U	1	9	0		K	S	0	1	T	0	4				Includes Debris
357	U	1	9	1		K	S	0	1	T	0	4				Includes Debris
358	U	1	9	2		K	S	0	1	T	0	4				Includes Debris
359	U	1	9	3		K	S	0	1	T	0	4				Includes Debris
360	U	1	9	4		K	S	0	1	T	0	4				Includes Debris
361	U	1	9	6		K	S	0	1	T	0	4				Includes Debris
362	U	1	9	7		K	S	0	1	T	0	4				Includes Debris
363	U	2	0	0		K	S	0	1	T	0	4				Includes Debris
364	U	2	0	1		K	S	0	1	T	0	4				Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7
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Continuation of Section XIV. Description of Dangerous Waste

402	U	2	7	1		K	S	0	1	T	0	4				Includes Debris
403	U	2	7	8		K	S	0	1	T	0	4				Includes Debris
404	U	2	7	9		K	S	0	1	T	0	4				Includes Debris
405	U	2	8	0		K	S	0	1	T	0	4				Includes Debris
406	U	3	2	8		K	S	0	1	T	0	4				Includes Debris
407	U	3	5	3		K	S	0	1	T	0	4				Includes Debris
408	U	3	5	9		K	S	0	1	T	0	4				Includes Debris
409	U	3	6	4		K	S	0	1	T	0	4				Includes Debris
410	U	3	6	7		K	S	0	1	T	0	4				Includes Debris
411	U	3	7	2		K	S	0	1	T	0	4				Includes Debris
412	U	3	7	3		K	S	0	1	T	0	4				Includes Debris
413	U	3	8	7		K	S	0	1	T	0	4				Includes Debris
414	U	3	8	9		K	S	0	1	T	0	4				Includes Debris
415	U	3	9	4		K	S	0	1	T	0	4				Includes Debris
416	U	3	9	5		K	S	0	1	T	0	4				Includes Debris
417	U	4	0	4		K	S	0	1	T	0	4				Includes Debris
418	U	4	0	9		K	S	0	1	T	0	4				Includes Debris
419	U	4	1	0		K	S	0	1	T	0	4				Includes Debris
420	U	4	1	1		K	S	0	1	T	0	4				Includes Debris
421	W	P	C	B		K	S	0	1	T	0	4				Includes Debris
422	W	P	0	1		K	S	0	1	T	0	4				Includes Debris
423	W	P	0	2		K	S	0	1	T	0	4				Includes Debris
424	W	P	0	3		K	S	0	1	T	0	4				Includes Debris
425	W	T	0	1		K	S	0	1	T	0	4				Includes Debris
426	W	T	0	2		K	S	0	1	T	0	4				Includes Debris
427	W	S	C	2		K	S	0	1	T	0	4				Includes Debris
428	D	0	0	1	10,000	K	S	0	2	T	0	1				
429	D	0	0	2		K	S	0	2	T	0	1				
430	D	0	0	3		K	S	0	2	T	0	1				
431	D	0	0	4		K	S	0	2	T	0	1				
432	D	0	0	5		K	S	0	2	T	0	1				
433	D	0	0	6		K	S	0	2	T	0	1				
434	D	0	0	7		K	S	0	2	T	0	1				
435	D	0	0	8		K	S	0	2	T	0	1				
436	D	0	0	9		K	S	0	2	T	0	1				
437	D	0	1	0		K	S	0	2	T	0	1				
438	D	0	1	1		K	S	0	2	T	0	1				
439	D	0	1	8		K	S	0	2	T	0	1				

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7
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Continuation of Section XIV. Description of Dangerous Waste

440	D	0	1	9		K	S	0	2	T	0	1				
441	D	0	2	2		K	S	0	2	T	0	1				
442	D	0	2	8		K	S	0	2	T	0	1				
443	D	0	2	9		K	S	0	2	T	0	1				
444	D	0	3	0		K	S	0	2	T	0	1				
445	D	0	3	3		K	S	0	2	T	0	1				
446	D	0	3	4		K	S	0	2	T	0	1				
447	D	0	3	5		K	S	0	2	T	0	1				
448	D	0	3	6		K	S	0	2	T	0	1				
449	D	0	3	8		K	S	0	2	T	0	1				
450	D	0	3	9		K	S	0	2	T	0	1				
451	D	0	4	0		K	S	0	2	T	0	1				
452	D	0	4	1		K	S	0	2	T	0	1				
453	D	0	4	3		K	S	0	2	T	0	1				
454	F	0	0	1		K	S	0	2	T	0	1				
455	F	0	0	2		K	S	0	2	T	0	1				
456	F	0	0	3		K	S	0	2	T	0	1				
457	F	0	0	4		K	S	0	2	T	0	1				
458	F	0	0	5		K	S	0	2	T	0	1				
459	F	0	3	9		K	S	0	2	T	0	1				
460	W	T	0	1		K	S	0	2	T	0	1				
461	W	T	0	2		K	S	0	2	T	0	1				
462	W	P	0	1		K	S	0	2	T	0	1				
463	W	P	0	2		K	S	0	2	T	0	1				
464	W	S	C	2		K	S	0	2	T	0	1				
465																
466																
467																

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 1/4 mile of the facility property boundary. The instructions provide additional information on meeting these requirements.

Topographic map is located on the last page.

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.

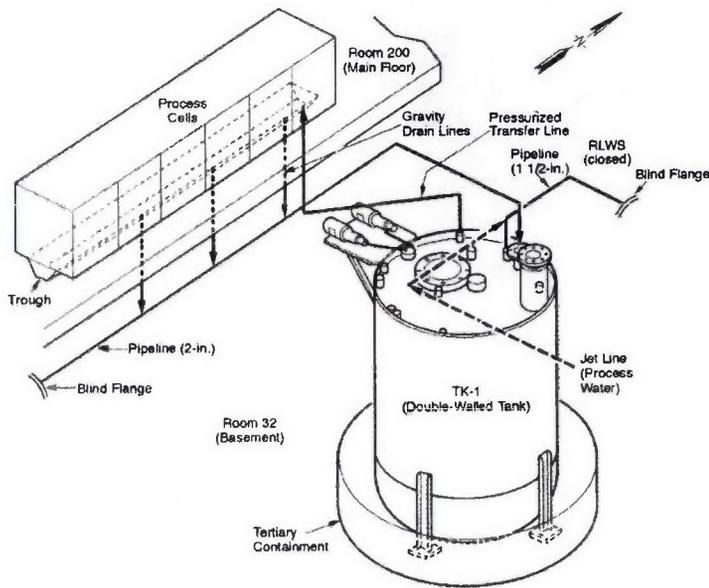
<p>Operator Name and Official Title Stacy L. Charboneau Manager U.S. Department of Energy Richland Operations Office</p>	<p>Signature </p>	<p>Date Signed 7/31/15</p>
<p>Co-Operator Name and Official Title Cameron M. Andersen, Director Environment, Health, Safety and Security Pacific Northwest National Laboratory</p>	<p>Signature </p>	<p>Date Signed 24 JUL 2015</p>
<p>Co-Operator – Address and Telephone Number* P.O. Box 999 Richland, WA 99352 (509) 372-6503</p>		
<p>Facility-Property Owner Name and Official Title Stacy L. Charboneau Manager U.S. Department of Energy Richland Operations Office</p>	<p>Signature </p>	<p>Date Signed 7/31/15</p>

Comments

Empty comment box

325 Hazardous Waste Treatment Units

Shielded Analytical Laboratory Tank and Ancillary Piping



M0505-1.1
5-17-05



Room 528

96010398-22CN
(Photo Taken 1996)

325 Hazardous Waste Treatment Units



Room 528

96010398-20CN
(Photo Taken 1996)



Room 520

96010398-17CN
(Photo Taken 1996)

325 Hazardous Waste Treatment Units



Room 201

96010398-16CN
(Photo Taken 1996)



Room 201

96010398-7CN
(Photo Taken 1996)

Shielded Analytical Laboratory



Room 200

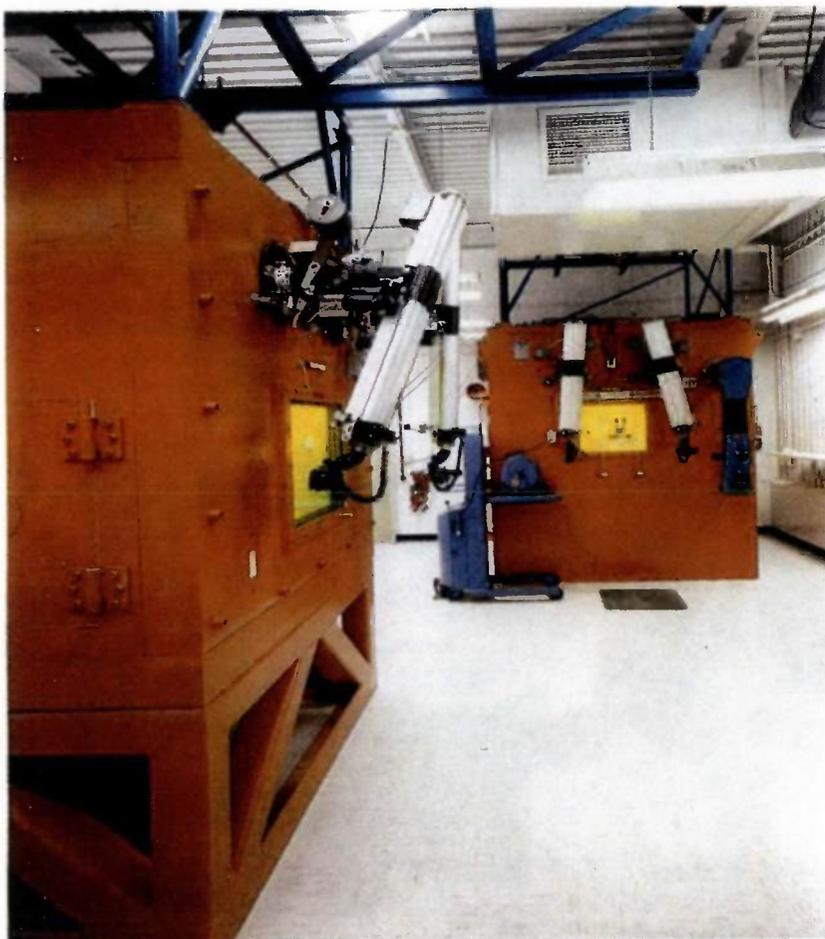
96010398-1CN
(Photo Taken 1996)



SAL Tank (Room 32)

96010398-3CN
(Photo Taken 1996)

Shielded Analytical Laboratory



Room 203

7908247-1CN
(Photo Taken 1979)

Cask Handling Area (Room 603/604A)

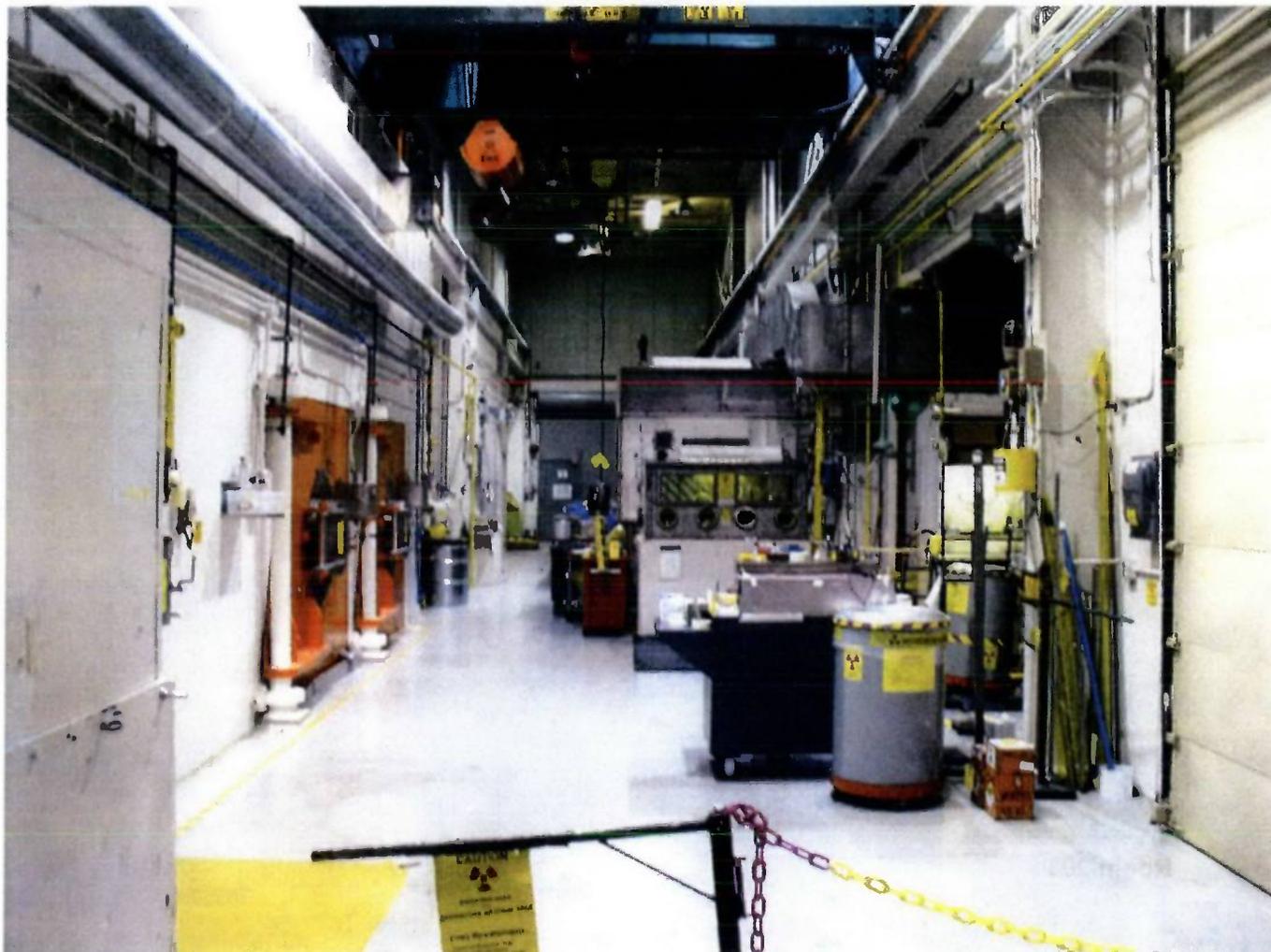


Photo taken 2014

Truck Lock (Room 610)



Photo taken 2014

3714 Pad

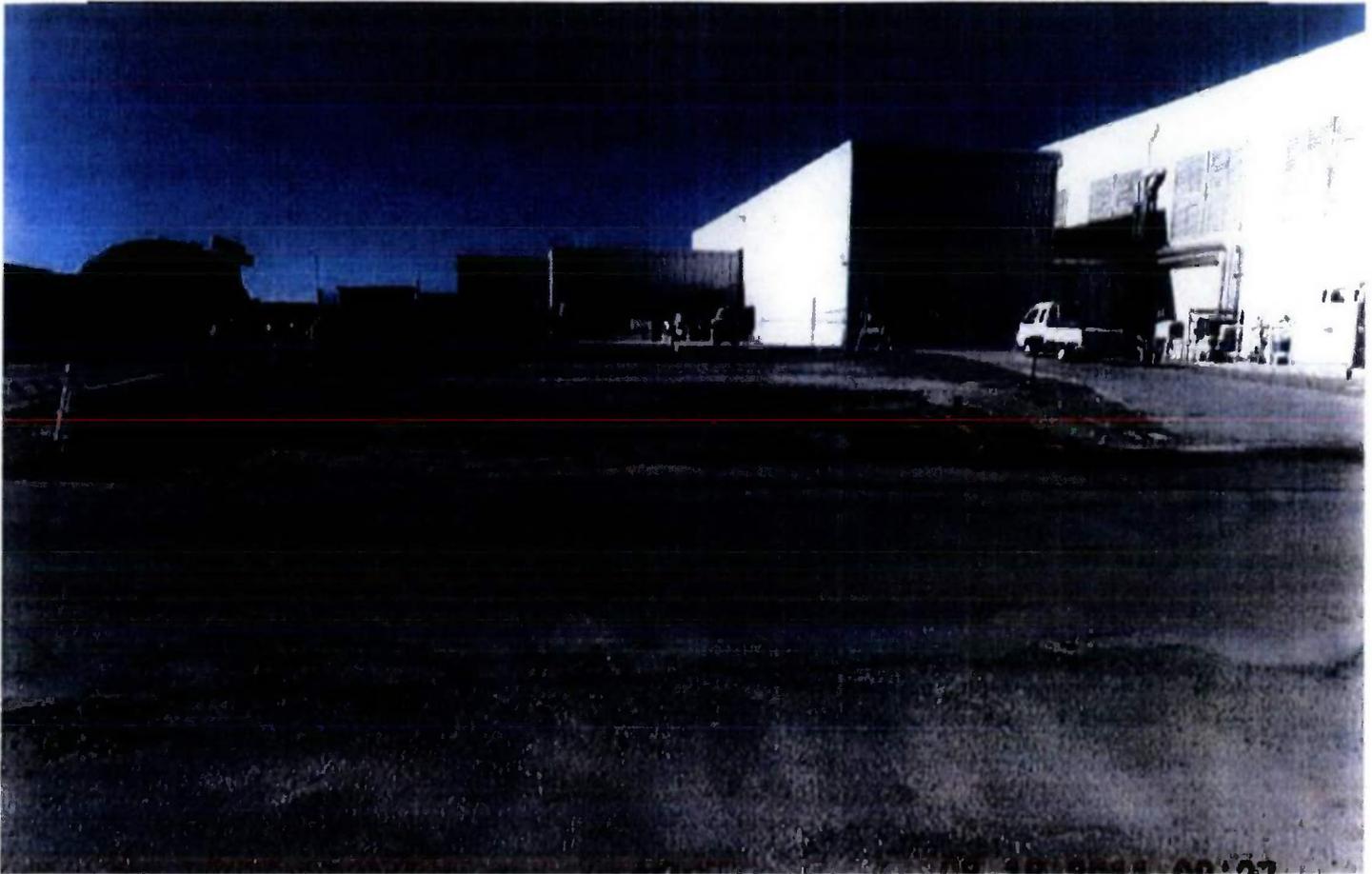
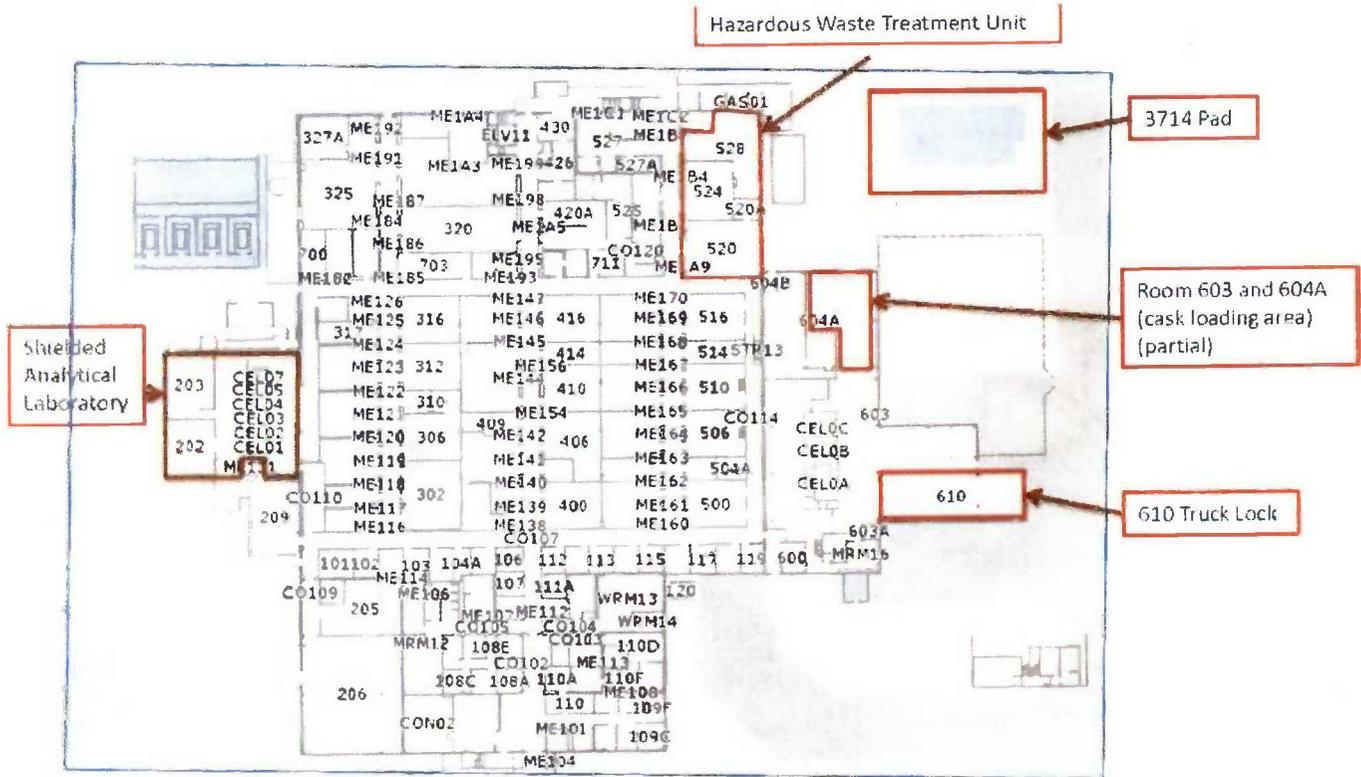


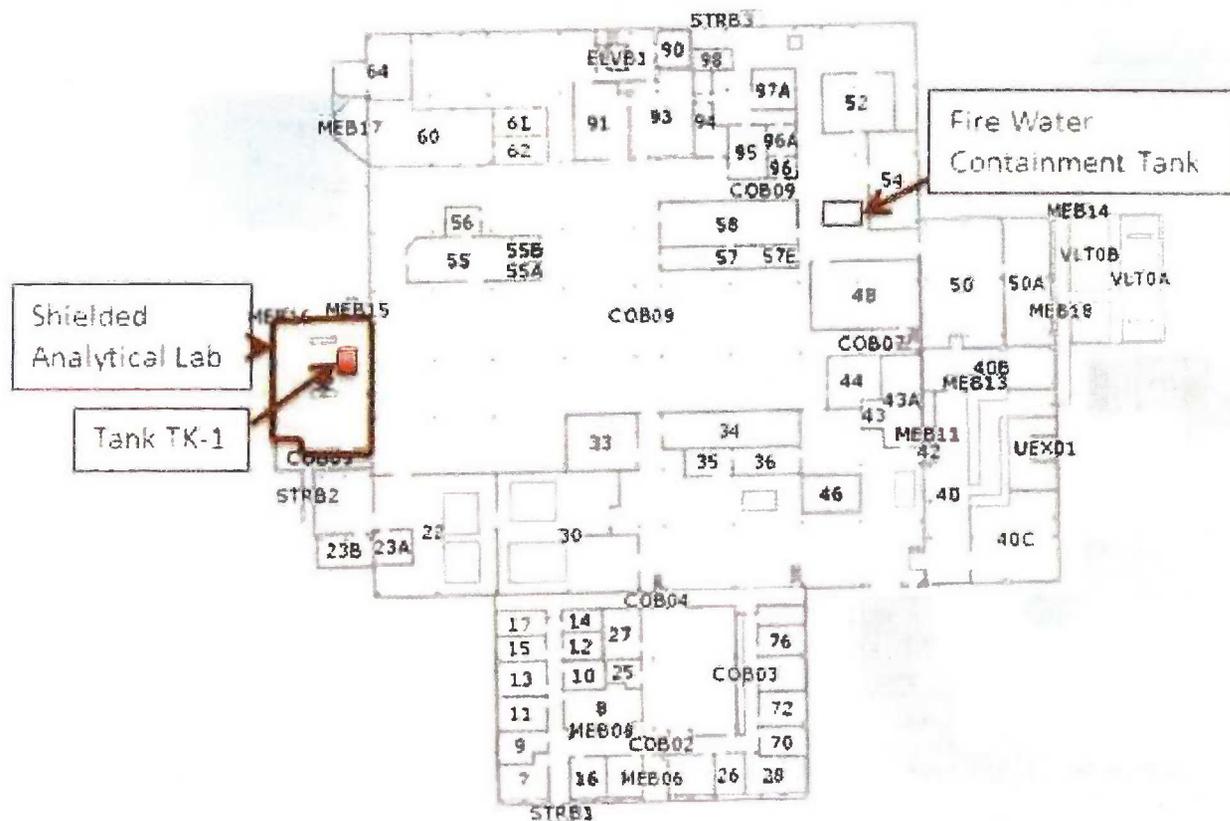
Photo taken 2011

325 Hazardous Waste Treatment Units



Location of the Hazardous Waste Treatment Units: 325 Building First Floor

325 Hazardous Waste Treatment Units



Location of the Hazardous Waste Treatment Units: 325 Building Basement

