



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

1249467
[0065358H]

18-AMRP-0117

JUN 13 2018

Ms. Alexandra K. Smith, Program Manager
Nuclear Waste Program
Washington State Department of Ecology
3100 Port of Benton Boulevard
Richland, Washington 99354

Dear Ms. Smith:

REVISED PART A FORM FOR THE 600 AREA PURGEWATER STORAGE AND
TREATMENT FACILITY

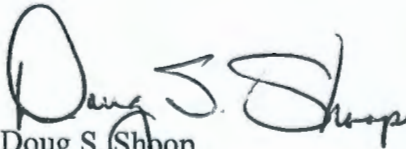
This letter supersedes 18-AMRP-0097, dated May 22, 2018, to include the original signed revised Part A form.

In reference to the Washington State Department of Ecology's (Ecology) letter (18-NWP-027) dated February 16, 2018, this transmittal contains the revised Part A form for the 600 Area Purgewater Storage and Treatment Facility.

On receipt of the certified Part A form, the U.S. Department of Energy Richland Operations Office requests that Ecology begin the process to remove this unit from the Hanford Facility Resource Conservation and Recovery Act Permit, Dangerous Waste Portion for the Treatment, Storage, and Disposal of Dangerous Waste, Revision 8C.

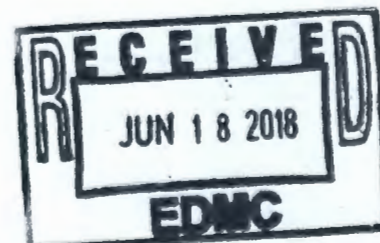
If you have any questions, please contact me or your staff may contact Joe Franco, Assistant Manager for the River and Plateau, on (509) 373-9971.

Sincerely,


Doug S. Shoop
Manager

AMRP:DBC

Attachment: See page 2



TS-6-1

15

Ms. Alexandra K. Smith
18-AMRP-0117

-2-

JUN 13 2018

Attachment:

Dangerous Waste Permit Application
Part A Form for WA7890008967,
Closure Unit Group 15, 600 Area
Purgewater Storage and Treatment
Facility, REG-0906, Revision 0

cc w/attach:

D. J. Alexander, Ecology

D. B. Bartus, EPA

J. Bell, NPT

R. Buck, Wanapum

L. J. Cusack, CHPRC

S. L. Dahl-Crumpler, Ecology

M. T. Gillespie, CHPRC

M. N. Jaraysi, CHPRC

S. K. Johansen, CHPRC

M. Johnson, CTUIR


D. Rowland, YN

Administrative Record (TSD: TS-6-1)

Ecology NWP Library (Hardcopy)

Environmental Portal

HF Operating Record (J. K. Perry, MSA, A3-01)

 WASHINGTON STATE DEPARTMENT OF ECOLOGY		Dangerous Waste Permit Application Part A Form	
Date Received		Reviewed by:	Date:
Month	Day	Year	Date:
I. This form is submitted to: (place an "X" in the appropriate box) CLOSED February 16, 2018 (18-NWP-027)			
<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)							
Shoop						Doug							
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 CH2M HILL Plateau Remediation Company Co-Operator for 600 Area Purgewater Storage & Treatment Facility*										(509) 376-7395 (509) 373-0293*			
Street or P.O. Box													
P.O. Box 550 P.O. Box 1600 *													
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)							
Doug S. Shoop, 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		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										
	E		A	I	R	-	0	6	-	1	0	0	4

WAC 246-247, NOC Radioactive Air

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

Liquids associated with well activities and other processes are stored and treated by solar evaporation in the 600 Area Purgewater Storage and Treatment Facility. Raw water may be added to the unit for operational purposes.

S99

Process Code S99 (referenced in 40 CFR 265, Appendix I, Table 2) is being used to identify the storage activity in the 600 Area Purgewater Storage and Treatment Facility. The unit is identified under WAC 173-303-400 as a chemical, physical, and biological treatment unit per Subpart Q of 40 CFR Part 265. Upon incorporation into the Hanford Facility Dangerous Waste Permit, the unit classification will change to miscellaneous unit per WAC 173-303-680.

The 600 Area Purgewater Storage and Treatment Facility consists of two aboveground modular containment units. Only one unit (unit 1) has been used. The process design for storage in this single unit is 3,785,400 liters. The second unit (unit 2) has never been used. Unit 1 and 2 will be closed by removal.

T04

Solar evaporation. Approximately 8,800 liters per day can be treated by solar evaporation in unit #1. This estimate is based on evaporation rates calculated for the Hanford Facility.

This unit was Clean Closed. Permit requirements were retired via a Class 1-prime modification (Rev 8c), quarter ending 6/30/18.

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	S	9	9	3,785,400	L	001									
	2	T	0	4	8,830	V	001		2							
	3								3							
	4								4							
	5								5							
	6								6							
	7								7							
	8								8							
	9								9							
1	0							1	0							
1	1							1	1							
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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. (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	F 0 0 1	2,200	M	S	9	9	T	0	4							
2	F 0 0 2		M	S	9	9	T	0	4							
3	F 0 0 3		M	S	9	9	T	0	4							
4	F 0 0 4		M	S	9	9	T	0	4							
5	F 0 0 5		M	S	9	9	T	0	4							
6	D 0 0 7		M	S	9	9	T	0	4							
7	D 0 1 9		M	S	9	9	T	0	4							
8																
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25																

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).

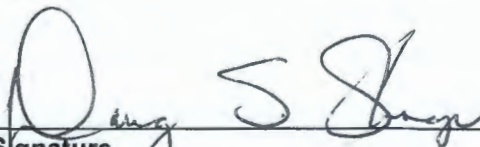
XVIII. Certifications

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)

Doug S. Shoop, Manager
U.S. Department of Energy
Richland Operations Office

Signature

Date Signed

6/6/18

Co-Operator*

Name and Official Title (type or print)

Ty Blackford
President and Chief Executive Officer
CH2M HILL Plateau Remediation Company

Signature

Date Signed

6/6/18

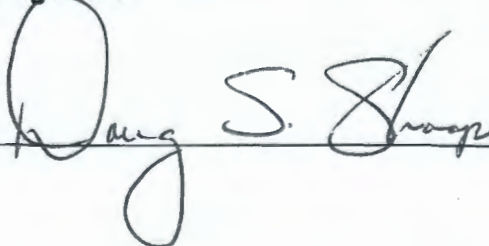
Co-Operator – Address and Telephone Number*

P.O. Box 1600
Richland, WA 99352
(509) 373-0293

Facility-Property Owner

Name and Official Title (type or print)

Doug S. Shoop, Manager
U.S. Department of Energy
Richland Operations Office

Signature

Date Signed

6/6/18

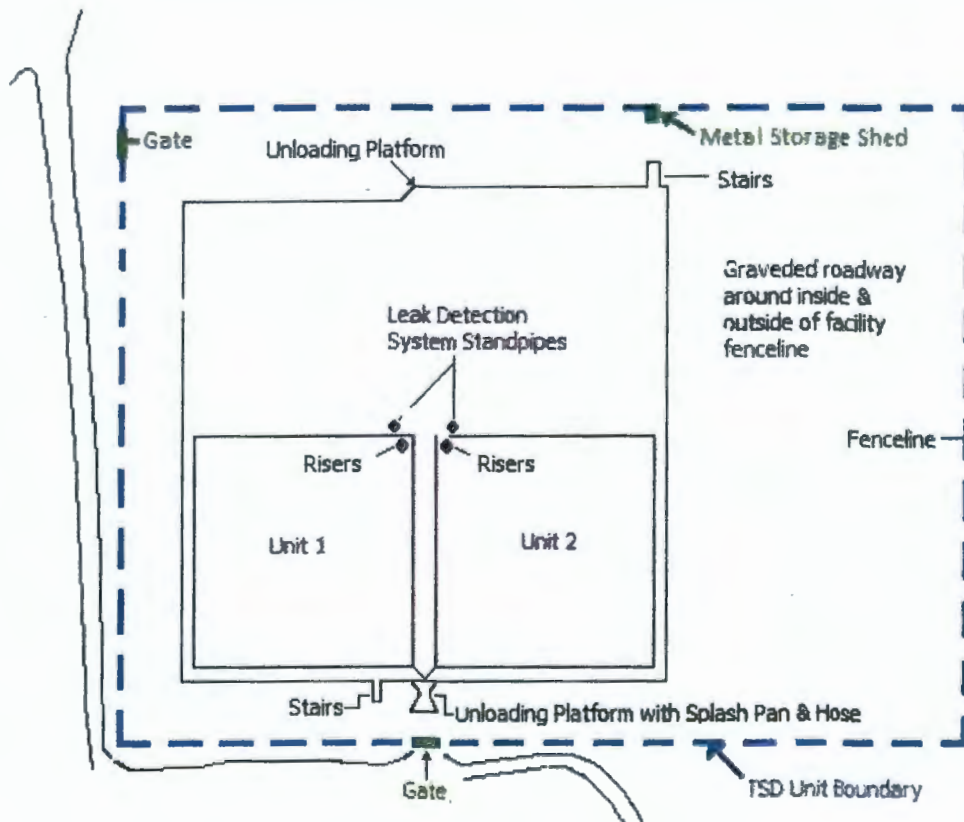
Comments

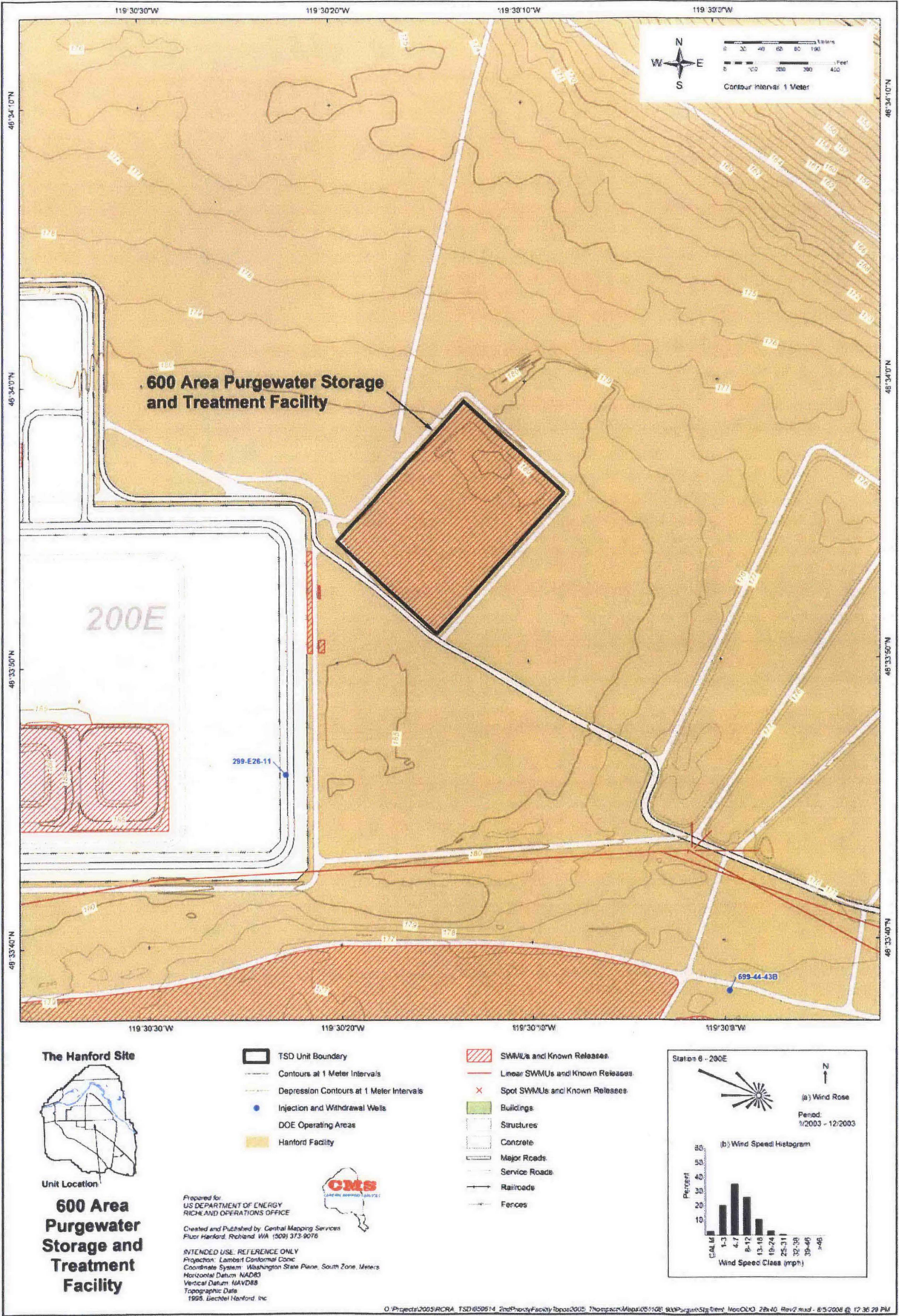
600 Area Purgewater Storage & Treatment Facility



89122121-3CN

(Photo Taken 1989)



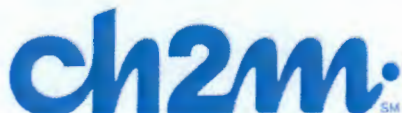


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Dangerous Waste Permit Application Part A Form For WA7890008967, Closure Unit Group 15, 600 Area Purgewater Storage and Treatment Facility

Prepared for the U.S. Department of Energy
Assistant Secretary for Environmental Management

Contractor for the U.S. Department of Energy
under Contract DE-AC06-08RL14788



**P.O. Box 1600
Richland, Washington 99352**

**Dangerous Waste Permit Application Part A Form For WA7890008967,
Closure Unit Group 15, 600 Area Purgewater Storage and Treatment Facility**

Program/Project: CHPRC

R. E. Fox
CH2M HILL Plateau Remediation Company

Date Published
April 2018

Prepared for the U.S. Department of Energy
Assistant Secretary for Environmental Management

Contractor for the U.S. Department of Energy
under Contract DE-AC06-08RL14788



**P.O. Box 1600
Richland, Washington 99352**

APPROVED

By Janis D. Aardal at 12:12 pm, Apr 23, 2018

Release Approval

Date

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