U.S. Department of Energy
Hanford Site

January 22, 2021

21-ESQ-000305

Mr. David Bowen, Program Manager
Nuclear Waste Program
Washington State Department of Ecology
3100 Port of Benton Boulevard
Richland, Washington 99354

Dear Mr. Bowen:

TRANSFER OF CO-OPERATOR RESPONSIBILITIES FOR HANFORD FACILITY RESOURCE CONSERVATION AND RECOVERY ACT PERMIT, WA7890008967

The purpose of this letter is to notify the Washington State Department of Ecology (Ecology) of a change in Co-Operator responsibilities for the Hanford Facility Resource Conservation and Recovery Act Permit, Dangerous Waste Portion, Revision 8c for the Treatment, Storage and Disposal of Dangerous Waste (Sitewide Permit) WA7890008967.

Attachment 1 is a signed Statement of Transfer documenting the transfer of Co-Operator Responsibility from CH2M HILL Plateau Remediation Company (CHPRC) to the Central Plateau Cleanup Company LLC (CPCCo), effective January 25, 2021.

Attachment 2 includes Class 1 Prime Modification Documentation for Five Treatment, Storage, and Disposal (TSD) Units Incorporated in The Permit. The five TSD units are:

1. 400 Area Waste Management Unit (OUG-16)
2. Capsule Interim Storage (OUG-19)
3. Integrated Disposal Facility (OUG-11)
4. PUREX Storage Tunnels (CUG-25)
5. Waste Encapsulation and Storage Facility (OUG-6 and OUG 14)

Attachment 2 includes revised Part A forms and the Permit Change Notices (PCN) documenting the transfer of Co-Operator responsibilities. The U.S. Department of Energy, Richland Operations Office (RL) and Ecology use PCNs to help track Class 1 Permit Modifications. The PCNs in Attachment 2 are listed below.

PCN Identifier:	**Affected Permit Section:**
PCN-400WMU-2020-01	OUG-16, Unit Specific Conditions and Addendum A
PCN-CIS-2020-02	OUG-19, Addendum A
PCN-IDF-2020-06	OUG-11, Unit Specific Conditions and Addendum A
PCN-PUREX-ST-2020-01	CUG-25, Unit Specific Conditions and Addendum A
PCN-WESF-2020-01	CUG 6 and OUG 14, Addendum A

Attachment 3 includes revised Part A forms for 15 TSD units managed under interim status standards. The Part A forms are being revised to document the transfer of Co-Operator responsibilities. The Part A forms are hereby submitted to Ecology for approval pursuant to WAC 173-303-830 (4). The Part A form revisions pertain to the following TSD units:

1. 216-A-29 Ditch
2. 216-A-36B Crib
3. 216-A-37-1 Crib
4. 216-B-3 Main Pond
5. 216-B-63 Trench
6. 216-S-10 Pond and Ditch
7. 241-CX Tank System
8. B Plant Complex
9. Central Waste Complex
10. Hexone Storage and Treatment Facility
11. Low-Level Burial Grounds
12. Nonradioactive Dangerous Waste Landfill
13. PUREX Plant
14. T Plant Complex
15. Waste Receiving and Processing Facility

Pursuant to Permit Condition I.C.3, a Class 1 Permit Modification is being submitted to Ecology by April 10, 2021, under separate correspondence, to address the CHPRC to CPCCo Co-Operator responsibility changes documented in the Hanford Facility Sitewide Permit, Parts I and II (i.e., PCN-HFSW-2020-03).

If you have any questions, please contact me, or your staff may contact Glyn D. Trenchard, Acting Assistant Manager for Safety and Environment, RL, on (509) 373-4016.

Sincerely,

Brian T. Vance Digitally signed by Brian T. Vance
Date: 2021.01.22 10:00:29 -08'00'

Brian T. Vance
Manager

ESQ:ACM

Attachments: (3)

cc: See page 3

cc w/attach:
D. J. Alexander, Ecology
J. L. Cantu, Ecology
Administrative Record, TSD: H-0-1, S-4-2, S-2-12, D-2-11, S-2-1, S-2-10, D-2-3, D-2-4, D-2-10, D-2-5, D-2-6, D-2-7, S-2-9, TS-2-3, TS-2-4, TS-2-2, D-2-9, D-6-1, TS-2-6, T-2-7, TS-2-4
Ecology NWP Library
Environmental Portal
HF Operating Record (J. K. Perry)
WRPS Correspondence Control

cc w/o attach:
J. E. Bramson, CHPRC
R. E. Bullock, CHPRC
A. S. Carlson, Ecology
S. L. Dahl, Ecology
S. A. Davis, BNI
E. A. Garcia, CHPRC
M. A. Jewett, CPCCo
M. E. Jones, Ecology
J. A. Lerch, CHPRC
P. W. Martin, CHPRC
M. L. Proctor, CPCCo
M. T. Schanke, CHPRC
B. A. Sparks, BNI
M. K. Stewart, CHPRC
S. A. Thompson, WRPS
E. J. Van Mason, WRPS
M. B. Wilson, MSA

Attachment 1
Letter Number 21-ESQ-000305

Documenting the
Transfer of Co-Operator Responsibility
from CHPRC to CPCCo

2 pages including cover sheet

STATEMENT OF TRANSFER OF CO-OPERATOR RESPONSIBILITIES FROM CH2M HILL PLATEAU REMEDIATION COMPANY TO CENTRAL PLATEAU CLEANUP COMPANY

Pursuant to direction of the U.S. Department of Energy (DOE), Co-operator responsibilities associated with Hanford Facility Resource Conservation and Recovery Act Permit, Dangerous Waste Portion, Rev. 8c for the Treatment, Storage and Disposal of Dangerous Waste (Site-wide Permit) WA7890008967 will transfer from CH2M Hill Plateau Remediation Company (CHPRC) to Central Plateau Cleanup Company (CPCCo), effective January 25, 2021.

Pursuant to authorization issued by the Administrator of the United States Environmental Protection Agency to the State of Washington under section 3006 of the Resource Conservation and Recovery Act, 42 U.S.C. § 6926, and in accordance with the Washington Hazardous Waste Management Act, Washington Administrative Code [WAC] (173-303), dangerous waste treatment, storage, and disposal activities are subject to regulations and permitting requirements of the Site Wide Permit by the State of Washington, Department of Ecology.

Upon assuming Co-operator responsibility on January 25, 2021, CPCCo will be responsible for performing dangerous waste treatment, storage, and disposal activities in a manner consistent with the requirements of Site-wide Permit WA7890008967.

The DOE is submitting a Class [1]1 modification to Site-wide Permit WA7890008967 addressing the Co-operator responsibility changes. After that date, DOE and CPCCo will determine if further modifications are needed. Further modifications, if needed, will be processed in accordance with Permit Condition I.C.3 the Hanford Facility Resource Conservation and Recovery Act Permit, Dangerous Waste Portion, Rev. 8c for the Treatment, Storage and Disposal of Dangerous Waste.

L. Ty Blackford 1/14/2021

CH2M Hill Plateau Remediation Company Date

SCOTT SAX (Affiliate) Digitally signed by SCOTT SAX (Affiliate) Date: 2021.01.20 05:07:38 -08'00'

Central Plateau Cleanup Company Date

Brian T. Vance Digitally signed by Brian T. Vance Date: 2021.01.22 09:59:36 -08'00'

U. S. Department of Energy Date

Hanford Facility RCRA Permit Modification Notification Forms

Part III, Operating Unit Group 16

400 Area Waste Management Unit

Index

Page 2 of 4: Unit Specific Conditions
Page 3 of 4: Part A Form
Page 4 of 4: Revision Instructions

Submitted by Co-Operator:
DEBORAH SINGLETON (Affiliate) Digitally signed by DEBORAH SINGLETON (Affiliate) Date: 2021.01.12 06:45:59 -08'00'

Deborah G. Singleton Date

Reviewed by DOE Program Office:
Duane Carter Digitally signed by Duane Carter Date: 2021.01.12 07:09:53 -08'00'

Duane B. Carter Date

Hanford Facility RCRA Permit Modification Form

Unit:	Permit Part
400 Area Waste Management Unit	***Part III, Operating Unit Group 16 Unit Specific Conditions***

Description of Modification:

Update the revision history information for Addendum A, Part A Form

LIST OF ADDENDA SPECIFIC TO OPERATING UNIT GROUP 16

Addendum A	Part A Form, dated ~~June 30, 2012~~ TBD
Addendum B	Waste Analysis Plan, dated June 30, 2012
Addendum C	Process Information, dated December 31, 2012
Addendum D	Groundwater Monitoring – Reserved
Addendum E	Procedures to Prevent Hazards, dated June 30, 2016
Addendum F	Preparedness and Prevention, dated September 30, 2012
Addendum G	Personnel Training, dated June 30, 2013
Addendum H	Closure Plan, dated June 30, 2009
Addendum I	Inspection Requirements, dated September 5, 2012
Addendum J	Contingency Plan, dated June 24, 2020

Update date to coincide with Ecology signature approvals on the Class [1]1 modifications herein.

WAC 173-303-830 Modification Class	Class 1	Class [1]1	Class 2	Class 3
Please mark the Modification Class:		X		

Enter relevant WAC 173-303-830, Appendix I Modification citation number:

In accordance with WAC 173-303-830(4)(d)…the permittee requests this modification be reviewed and approved as a Class [1]1.

Modification Approved: ☐ Yes ☐ No	Reviewed by Ecology:
	S. N. Schleif — Date

Hanford Facility RCRA Permit Modification Form

Unit:	Permit Part
400 Area Waste Management Unit	***Part III, Operating Unit Group 16 Unit Specific Conditions***

Description of Modification:

Updated Addendum A, Part A Form for:

- Header – delete "WA7890008967, Part III, Operating Unit 16, Addendum A" and add "WA7890008967, Part III, Operating Group 16, 400 Area Waste Management Unit, January 25, 2021".
- Section IV.A, Facility Location/Street - update address to "2440 Stevens Drive"
- Section VI, Facility Contact - delete David Brockman and add Brian Vance.
- Section VII. A., Facility Operator Information - delete "CH2M Hill Plateau Remediation Company Co-Operator for 400 Area WMU*" and add "Central Plateau Cleanup Company LLC Co-Operator for 400 Area WMU*". In the "Phone Number" field, delete "(509) 376-0556" and add "(509) 372-3845". In the "Street or P.O. Box" field, delete "P.O. Box 1600" and add "P.O. Box 1464".
- Section VII. C., Facility Operator Information - change "NO" to "YES" for co-operator change and update scheduled date for change to "01 25 2021".
- Section VIII, Facility Owner Information, Name - delete "David A. Brockman" and add "Brian T. Vance".
- Section XVIII, Certifications, Operator Name - delete "David A. Brockman" and add "Brian T. Vance".
- Section XVIII, Certifications, Co-Operator Name - delete "John G. Lehew" and add "Scott Sax". Delete the title, "Chief Executive Officer" and add "Project Manager". Delete the company name "CH2M Hill Plateau Remediation Company" and add "Central Plateau Cleanup Company LLC". Delete "P.O. Box 1600" and add "P.O. Box 1464". Delete "(509) 376-0556" and add "(509) 372-3845".
- Section XVIII, Certifications, Facility-Property Owner - delete "David A. Brockman" and add "Brian T. Vance".
- Comments - Add, "In Section IV, Facility Location is revised to update the facility location. In Section VI, Facility contact is revised to update the DOE-RL contact. In Section VII, Facility Operator Information is revised to update change in Co-Operator. In Section VIII, Facility Owner Information is revised to update facility owner name. In Section XVIII, "Certifications" is revised to update Operator Name, Co-Operator name, and Facility-Property Owner name. The topographic map for the unit is updated to reflect the current mapping conventions. The changes in these sections and the topographic map will be effective January 25, 2021. No other changes have been made to the Part A form sections. The certification is limited to the changes effective January 25, 2021".
- Delete previous topographical map and add updated topographical map.

WAC 173-303-830 Modification Class	Class 1	Class [1]1	Class 2	Class 3
Please mark the Modification Class:		X		

Enter relevant WAC 173-303-830, Appendix I Modification citation number:
In accordance with WAC 173-303-830(4)(d)…the permittee requests this modification be reviewed and approved as a Class [1]1.

Modification Approved: ☐ Yes ☐ No	Reviewed by Ecology:
	S. N. Schleif — Date

Revision Instructions:

Revise the Unit Specific Conditions and Addendum A to incorporate the changes shown herein.

400 AREA WASTE MANAGEMENT UNIT
CHANGE CONTROL LOG

Change Control Logs ensure that changes to this unit are performed in a methodical, controlled, coordinated, and transparent manner. Each unit addendum will have a "**Last Modification Date**" which represents the last date the portion of the unit has been modified. The "**Modification Number**" represents Ecology's method for tracking the different versions of the permit. This log will serve as an up to date record of modifications and version history of the unit.

Last modification to 400 Area Waste Management Unit **June 24, 2020**

Addenda	Last Modification Date	Modification Number
Unit-Specific Conditions	06/24/2020	8C.2020.5F
A. Part A Form	06/30/2012	
B. Waste Analysis Plan	06/30/2012	
C. Process Information	12/31/2012	
D. Reserved		
E. Procedures to Prevent Hazards	08/25/2016	8C.2016.Q2
F. Preparedness & Prevention	09/30/2012	
G. Personnel Training	06/30/2013	
H. Closure Plan	06/30/2009	
I. Inspection Requirements	09/5/2012	
J. Contingency Plan	06/24/2020	8C.2020.5F

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400 AREA WASTE MANAGEMENT UNIT
PART III, OPERATING UNIT GROUP 16
UNIT-SPECIFIC PERMIT CONDITIONS

CHANGE CONTROL LOG

Change Control Logs ensure that changes to this unit are performed in a methodical, controlled, coordinated, and transparent manner. Each unit addendum will have its own change control log with a modification history table. The "**Modification Number**" represents Ecology's method for tracking the different versions of the permit. This log will serve as an up to date record of modifications and version history of the unit.

Modification History Table

Modification Date	Modification Number
06/24/2020	8C.2020.5F
05/23/2019	PCN-400WMU-2019-01 (8C.2019.Q2)
11/8/2018	PCN-400WMU-2018-01 (8C.2018.Q4)
08/25/2016	8C.2016.Q2

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400 AREA WASTE MANAGEMENT UNIT
PART III, OPERATING UNIT GROUP 16
UNIT-SPECIFIC PERMIT CONDITIONS

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PART III, OPERATING UNIT GROUP 16 UNIT-SPECIFIC PERMIT CONDITIONS
400 AREA WASTE MANAGEMENT UNIT

UNIT DESCRIPTION

The 400 Area Waste Management Unit (WMU) is in the Property Protected Area (PPA) at the Fast Flux Test Facility (FFTF), in Hanford's 400 Area. The 400 Area WMU consists of two container storage units:

- Fuel Storage Facility (FSF, Building 403). The FSF is a large steel-frame, metal-sided, high bay building. Its dimensions are 34 x 27 x 12 meters (112 x 90 x 40 feet). The container storage unit is on the ground-level floor. In it are two large steel boxes that store sodium-contaminated core component pots (CCPs). The Permittees do not plan to store more mixed waste than is currently stored in the facility; however, the FSF is physically capable of storing additional mixed waste. They will store any additional wastes at the 400 Area WMU in the Interim Storage Area.
- Interim Storage Area, 4718 (ISA). The ISA consists of 156 x 247 meters (513 x 247 feet) totally fenced area. This area is for aboveground dry cask storage of spent fuel. A concrete pad in the ISA, which measures 27 x 37 meters (90 x 120 feet), was used for dry cask storage, but will not necessarily be used for mixed waste management. The rest of the ISA surface is gravel. The ISA is generally flat. However, it is graded to drain in accordance with the general drainage plan for the FFTF PPA. Inside the ISA, there is also one building along the west fence line, and open on the side. This building, Building 432A, is not authorized for mixed waste management.

The scale map in Addendum A shows the location of each storage unit. The only mixed waste stored in these two container storage units is elemental sodium, and sodium potassium (D001, D003, and WSC2), sodium hydroxide (D002), and potassium hydroxide (D002) and debris (e.g., piping, equipment, and components) contaminated with elemental sodium, sodium potassium, sodium hydroxide, and potassium hydroxide. The 400 Area WMU will not store, treat, or dispose of bulk metallic sodium or bulk sodium hydroxide.

LIST OF ADDENDA SPECIFIC TO OPERATING UNIT GROUP 16

Addendum A	Part A Form, dated ~~June 30, 2012~~ TBD
Addendum B	Waste Analysis Plan, dated June 30, 2012
Addendum C	Process Information, dated December 31, 2012
Addendum D	Groundwater Monitoring – Reserved
Addendum E	Procedures to Prevent Hazards, dated June 30, 2016
Addendum F	Preparedness and Prevention, dated September 30, 2012
Addendum G	Personnel Training, dated June 30, 2013
Addendum H	Closure Plan, dated June 30, 2009
Addendum I	Inspection Requirements, dated September 5, 2012
Addendum J	Contingency Plan, dated June 24, 2020

DEFINITIONS

The term **"CCP" or Core Component Pot** means one of 109 cylindrical containers, each containing 3.75 gallons of un-reacted sodium totaling 405 gallons, currently stored as mixed waste in the FFTF FSF. The CCPs were previously filled with sodium and used in the FFTF Interim Decay Storage Vessel to store spent FFTF Driver Fuel Assemblies under inert gas.

ACRONYMS

FFTF	Fast Flux Test Facility
CCP	Core Component Pot
PPA	Property Protected Area
ISA	Interim Storage Area
FSF	Fuel Storage Facility
WMU	Waste Management Unit

III.16.A COMPLIANCE WITH UNIT-SPECIFIC PERMIT CONDITIONS

III.16.A.1 The Permittees will comply with all conditions in this Chapter and its addenda with respect to dangerous waste management and dangerous waste management units in the 400 Area WMU, in addition to conditions in Permit Parts I and II.

III.16.B GENERAL WASTE MANAGEMENT

III.16.B.1 The Permittees are authorized to accept, according to the waste acceptance procedure documented in Addendum B, Section B.2, mixed debris generated from demolition and decommissioning of the FFTF reactor system containing or contaminated with residual elemental sodium and sodium hydroxide. The Permittee will store these wastes in the ISA.

III.16.B.2 The Permittees are authorized to store core component pots generated prior to the effective date of this permit in two large metal boxes in the 400 Area WMU, FSF.

III.16.B.3 The Permittees are authorized store mixed waste in the ISA up to a maximum capacity of 19,000 gallons.

III.16.B.4 The Permittees will maintain the physical structure of dangerous waste management units in the 400 Area WMU as documented in the Unit Description above and Addendum C, Figures C.1 and C.2.

III.16.B.5 The Permittees will maintain appropriate administrative controls and work practices to ensure that only wastes specified in Permit Condition III.16.B.1, are received by the ISA for storage, and that no co-mingling or cross-contamination of the waste stream specified in Permit Condition III.16.B.1 with any other waste stream may occur.

III.16.C WASTE ANALYSIS

III.16.C.1 The Permittees will have an accurate and complete waste profile for the waste stream identified in Permit Condition III.16.B.1. This waste profile will be signed and dated upon approval by the 400 Area WMU authorized representative. [WAC 173-303-380(1)(a)]

III.16.C.2 The Permittees will make a copy of the waste profile required by Permit Condition III.16.C.1 available upon request. [WAC 173-303-815(2)(b)(ii)]

III.16.D RECORDKEEPING AND REPORTING

III.16.D.1 The Permittees will place the following into the Hanford Facility Operating Record, 400 Area WMU File required by Permit Condition II.I.1. [WAC 173-303-380]

III.16.D.2 Records required by WAC 173-303-380(1)(o), incorporated by reference.

III.16.E **SECURITY**

III.16.E.1 The Permittees will post warning signs at all entrances to the FSF and the ISA specified in Addendum E, Section E.1.1. [WAC 173-303-310(2)(a)]

III.16.F **PREPAREDNESS AND PREVENTION**

III.16.F.1 The Permittees will comply with the Addendum F, "Preparedness and Prevention," requirements specific to the 400 Area WMU. [WAC 173-303-340]

III.16.G **CONTINGENCY PLAN**

III.16.G.1 The Permittees will comply with Addendum J, "Contingency Plan," in addition to the requirements of Permit Condition II.A when applicable. [WAC 173-303-350]

III.16.H **INSPECTIONS**

III.16.H.1 The Permittees will perform inspections of the 400 Area WMU according to Addendum I, "Inspection Plan," for inspecting all monitoring equipment, safety and emergency equipment, security devices, and operating and structural equipment that help prevent, detect, or respond to hazards to the public health or the environment pursuant to the requirements of WAC 173-303-320. [WAC 173-303-320(2)]

III.16.I **TRAINING PLAN**

III.16.I.1 The Permittees will include Addendum G unit-specific training requirements in the written training plan required by Permit Condition II.C. [WAC 173-303-330]

III.16.J **OTHER GENERAL REQUIREMENTS**

III.16.J.1 The Permittees will comply with the requirements of WAC 173-303-395(1)(a)-(c), incorporated by reference, for prevention of reaction of ignitable, reactive, or incompatible wastes.

III.16.J.2 **Land Disposal Restriction Requirements**

III.16.J.2.a The Permittees will ensure a schedule of compliance and any applicable associated work requirements are included in the land disposal restrictions report required by the Hanford Federal Facility Agreement and Consent Order (HFFACO) Milestone M-26, incorporated by reference by Permit Condition II.O for treatment and/or acquisition of treatment capacity for wastes which are or are expected to be stored in the 400 Area WMU container storage units.

III.16.K **CLOSURE**

III.16.K.1 The Permittees will close the 400 Area WMU Container Storage Units in accordance with Addendum H, "Closure Plan." [WAC 173-303-610(4)]

III.16.L **POST CLOSURE**

Reserved

III.16.M **CRITICAL SYSTEMS**

Reserved

III.16.N **RESERVED**

III.16.O **CONTAINERS**

III.16.O.1 Container Management Standards

III.16.O.1.a The Permittees will ensure that all containers remain in good condition. If a container holding mixed waste is not in good condition (e.g., severe rusting or corrosion, or apparent structural defects), or if it begins to leak, the Permittee must transfer the waste from the container to a container that is in good condition or place the leaking container in an appropriate over-pack container. [WAC 173-303-630(2)]

III.16.O.1.b The Permittees shall ensure that all containers are constructed of carbon steel or stainless steel, or other materials compatible with metallic sodium and sodium hydroxide. [WAC 173-303-630(4)]

III.16.O.1.c The Permittees must remove spilled or leaked waste within secondary containment pursuant to WAC 173-303-630(7)(a)(ii), incorporated by reference.

III.16.O.1.d Requirements for the Fuel Storage Facility

III.16.O.1.e The Permittee will maintain an inert gas (argon or nitrogen) cover within each large metal box to prevent contact of the metallic sodium with the water vapor in the air and the formation of free liquids.

III.16.O.1.f The Permittees will place large boxes stored in the FSF in drip pans to ensure a base free of cracks or gaps, and ensure that the large boxes are elevated or otherwise protected from contact with accumulated liquids.

III.16.O.1.g Requirements for the Interim Storage Area

III.16.O.1.h The Permittee may store wastes in the ISA in standard metal containers (e.g., 208-liter drums), large metal boxes fabricated to accommodate the size and shape of a particular component or debris, or unique components removed from FFTF that when closed in accordance with WAC 173-303-630(5)(a) serve as a primary container.

III.16.O.1.i The Permittees will manage unique components stored in the ISA on the gravel surface with sufficient open space between components and between components and the fence line to accommodate inspections and movement of equipment.

III.16.O.1.j The Permittees will not place wastes in the open-sided structure (Building 432A) within the ISA identified in the Unit Description above.

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)

☒	**Request modification to a final status permit (commonly called a "Part B" permit)**
☐	**Request a change under interim status**
☐	**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).**
☐	**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

2440 Stevens Drive

City or Town	State	ZIP Code
Richland	WA	99354

County Code (if known)	County Name
0 0 5	Benton

B. Land Type	C. Geographic Location Latitude (degrees, mins, secs)	Longitude (degrees, mins, secs)	D. Facility Existence Date 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)**	
Vance	Brian	
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 Central Plateau Cleanup Company LLC Co-Operator for 400 Area Waste Management Unit*	(509) 376-7395 (509) 372-3845*
Street or P.O. Box	
P.O. Box 550 P.O. Box 1464 *	

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?	☒ Yes ☐ No Co-Operator* change									
If yes, provide the scheduled date for the change:	**Month**			**Day**			**Year**			
	0	1		2	5		2	0	2	1

D. Is the name listed in VII.A. also the owner? If yes, skip to Section VIII.C.	☒ Yes ☐ No

VIII. Facility Owner Information		
A. Name	**Phone Number (area code and number)**	
Brian T. Vance, 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?	☐ Yes ☒ No									
If yes, provide the scheduled date for the change:	**Month**			**Day**			**Year**			

IX. NAICS Codes (5/6 digit codes)													
A. First							**B. Second**						
5	6	2	2	1		Waste Treatment & Disposal	9	2	4	1	1	0	Administration of Air & Water Resource & Solid Waste Management Programs
C. Third							**D. Fourth**						
5	4	1	7	1		Research & Development in the Physical, Engineering, & Life Sciences							

X. Other Environmental Permits (see instructions)

A. Permit Type	B. Permit Number	C. Description
E	AIR 06-1007	WAC 246-247, Radiation Protection – Air Emissions
E	AIR 10-412	WAC 246-247, Radiation Protection – Air Emissions
E	UST 451 1	WAC 173-216, State Waste Discharge Permit Program

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

The Fast Flux Test Facility (FFTF) was a 400-megawatt (thermal) liquid-metal cooled (sodium) research and test reactor located in the 400 Area of the Hanford Facility. The FFTF developed and tested advanced fuels and material for the Liquid Metal Fast Breeder Reactor program. The FFTF was constructed in the late 1970's and first went critical on February 9, 1980. FFTF operated successfully from 1982 to 1992. The Department of Energy (DOE) issued a shutdown order in December 1993, and since that time, the DOE has been de-fueling the reactor and deactivating systems, as they were no longer needed. Mixed waste stored in the 400 Area Waste Management unit can include elemental sodium (Na), sodium potassium (NaK) (D001, D003, WSC2) and sodium hydroxide and potassium hydroxide (D002); as well as debris (for example piping, equipment, and components) contaminated with Na or NaK, sodium hydoxide, or potassium hydroxide. The mixed waste stored in the 400 Area Waste Management unit is limited to wastes generated from the 400 Area. Mixed waste will be stored in containers (for example drums and boxes) until treatment capabilities are available.

Greater-than 90-day Storage Areas:

Fuel Storage Facility (Building 403)

The Fuel Storage Facility (FSF) is a one-level reinforced concrete substructure covered by a steel frame metal-sided high bay building. Building dimensions are 34 x 27 x 12 meters (112 x 90 x 40) high. The principal equipment in the FSF is a belowground cell containing a carbon steel storage vessel approximately 6.4 meters (21 feet) in diameter and 7.3 meters (24 feet) deep for storing up to 466 FFTF spent fuel assemblies in liquid sodium. Adjacent buildings and below-grade cells contain the natural draft heat exchanger used to cool the FSF pool. With the exception of two areas, which are radiation areas (cells 907 and 906); all accessible areas are Radioactive Material Areas. The process design capacity for the FSF is 1,000 gallons.

Interim Storage Area

The 400 Area Interim Storage Area (ISA) consists of 156 x 75 meters (513 x 247 feet) totally fenced area with perimeter lighting that has been designated for above ground dry cask storage of spent fuel. A concrete pad, which measures 27 x 37 meters (90 x 120 Feet), was used for cask storage. The process design capacity for the ISA is 19,000 gallons.

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	0	1	20,000	G	003		1							
	2								2							
	3								3							
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	5								5							
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	9								9							
1	0							1	0							
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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	30	T	S	0	1							Includes debris
2	D	0	0	2		T	S	0	1							Includes debris
3	D	0	0	3		T	S	0	1							Includes debris
4	W	S	C	2		T	S	0	1							Includes debris
5																
6																
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21																
22																
23																
24																
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) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature** B. T. Vance	**Date Signed** 1/22/2021
Co-Operator* Name and Official Title (type or print) Scott Sax, President and Project Manager Central Plateau Cleanup Company LLC	**Signature** SCOTT SAX (Affiliate) Digitally signed by SCOTT SAX (Affiliate) Date: 2021.01.19 16:51:22 -08'00'	**Date Signed**
Co-Operator – Address and Telephone Number* P.O. Box 1464 Richland, WA 99352 (509) 372-3845		
Facility-Property Owner Name and Official Title (type or print) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature** B. T. Vance	**Date Signed** 1/22/2021

Comments

In Section IV, Facility Location is revised to update the facility location. In Section VI, Facility contact is revised to update the DOE-RL contact. In Section VII, Facility Operator Information is revised to update change in Co-Operator. In Section VIII, Facility Owner Information is revised to update facility owner name. In Section XVIII, “Certifications” is revised to update Operator Name, Co-Operator name, and Facility-Property Owner name. The topographic map for the unit is updated to reflect the current mapping conventions. The changes in these sections and the topographic map will be effective January 25, 2021. No other changes have been made to the Part A form sections. The certification is limited to the changes effective January 25, 2021.

400 Area Waste Management Unit

Fuel Storage Facility (FSF) 8-2006
Building 403

Interim Storage Area (ISA) 8-2006
Building 4718

400 Area Interim Storage Area
400 Area Waste Management Unit
Fuel Storage Facility
400
TEXAS STREET
DEMING DRIVE
DYER DRIVE
TYLER STREET
MADISON STREET
NEW JERSEY STREET
MISSISSIPPI STREET
MARYLAND STREET
ROUTE 40 KENTUCKY BOULEVARD
119°21'40"W
119°21'30"W
46°26'20"N
46°26'10"N
The Hanford Site
Area Shown on Map
400 Area Waste Management Unit
TSD Unit Group Boundary
Contours at ½ Meter Intervals
Depression Contours at ½ Meter Intervals
Wells
DOE Operating Areas
Hanford Facility
SWMUs and Known Releases
Linear SWMUs and Known Releases
Spot SWMUs and Known Releases
Buildings & Mobiles
Structures
Major Roads
Service Roads
Railroads
Fences
Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
Created and Published by: Geospatial Information Technology Services (GITS)
Mission Support Alliance, Richland, WA (509) 373-9076
INTENDED USE: REFERENCE ONLY
Projection: Lambert Conformal Conic
Coordinate System: Washington State Plane, South Zone, Meters
Horizontal Datum: NAD83
Vertical Datum: NAVD88
Topographic Data:
1996, Bechtel Hanford, Inc.
CMS
060905_400Area_28x40_Rev7 12/8/2020

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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)

☒	**Request modification to a final status permit (commonly called a "Part B" permit)**
☐	**Request a change under interim status**
☐	**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).**
☐	**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~~2440 Stevens Drive

City or Town	State	ZIP Code
Richland	WA	99352~~4~~

County Code (if known)	County Name
005	Benton

B. Land Type	C. Geographic Location Latitude (degrees, mins, secs)	Longitude (degrees, mins, secs)	D. Facility Existence Date Month Day Year
F	Refer to TOPO Map (Section XV.)		03 02 1943

V. Facility Mailing Address

Street or P.O. Box

P.O. Box 550

City or Town	State	ZIP Code
Richland	WA	99352

VI. Facility contact (Person to be contacted regarding waste activities at facility)	
Name (last)	**(first)**
~~Brockman~~Vance	~~David~~Brian
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 Central Plateau Cleanup Company LLC ~~CH2M HILL Plateau Remediation Company~~ Co-Operator for 400 Area Waste Management Unit*	(509) 376-7395 (509) ~~376-0556~~372-3845*
Street or P.O. Box	
P.O. Box 550 P.O. Box ~~1600~~1464 *	

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?	☒ Yes ☐ No Co-Operator* change
If yes, provide the scheduled date for the change:	Month: 0 1 Day: 2 5 Year: 2 0 2 1
D. Is the name listed in VII.A. also the owner? If yes, skip to Section VIII.C.	☒ Yes ☐ No

VIII. Facility Owner Information	
A. Name	**Phone Number (area code and number)**
~~David A. Brockman~~Brian T. Vance, 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?	☐ Yes ☒ No
If yes, provide the scheduled date for the change:	Month: Day: Year:

IX. NAICS Codes (5/6 digit codes)

A. First							B. Second						
5	6	2	2	1		Waste Treatment & Disposal	9	2	4	1	1	0	Administration of Air & Water Resource & Solid Waste Management Programs
C. Third							**D. Fourth**						
5	4	1	7	1		Research & Development in the Physical, Engineering, & Life Sciences							

X. Other Environmental Permits (see instructions)

A. Permit Type	B. Permit Number												C. Description
E	A	I	R		0	6	-	1	0	0	7		WAC 246-247, Radiation Protection – Air Emissions
E	A	I	R		1	0	-	4	1	2			WAC 246-247, Radiation Protection – Air Emissions
E	U	S	T		4	5	1	1					WAC 173-216, State Waste Discharge Permit Program

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

The Fast Flux Test Facility (FFTF) was a 400-megawatt (thermal) liquid-metal cooled (sodium) research and test reactor located in the 400 Area of the Hanford Facility. The FFTF developed and tested advanced fuels and material for the Liquid Metal Fast Breeder Reactor program. The FFTF was constructed in the late 1970's and first went critical on February 9, 1980. FFTF operated successfully from 1982 to 1992. The Department of Energy (DOE) issued a shutdown order in December 1993, and since that time, the DOE has been de-fueling the reactor and deactivating systems, as they were no longer needed. Mixed waste stored in the 400 Area Waste Management unit can include elemental sodium (Na), sodium potassium (NaK) (D001, D003, WSC2) and sodium hydroxide and potassium hydroxide (D002); as well as debris (for example piping, equipment, and components) contaminated with Na or NaK, sodium hydoxide, or potassium hydroxide. The mixed waste stored in the 400 Area Waste Management unit is limited to wastes generated from the 400 Area. Mixed waste will be stored in containers (for example drums and boxes) until treatment capabilities are available.

Greater-than 90-day Storage Areas:

Fuel Storage Facility (Building 403)

The Fuel Storage Facility (FSF) is a one-level reinforced concrete substructure covered by a steel frame metal-sided high bay building. Building dimensions are 34 x 27 x 12 meters (112 x 90 x 40) high. The principal equipment in the FSF is a belowground cell containing a carbon steel storage vessel approximately 6.4 meters (21 feet) in diameter and 7.3 meters (24 feet) deep for storing up to 466 FFTF spent fuel assemblies in liquid sodium. Adjacent buildings and below-grade cells contain the natural draft heat exchanger used to cool the FSF pool. With the exception of two areas, which are radiation areas (cells 907 and 906); all accessible areas are Radioactive Material Areas. The process design capacity for the FSF is 1,000 gallons.

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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	0	1	20,000	G	003		1							
	2								2							
	3								3							
	4								4							
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2	1							2	1							
2	2							2	2							
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2	4							2	4							
2	5							2	5							

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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	30	T	S	0	1							Includes debris
2	D	0	0	2		T	S	0	1							Includes debris
3	D	0	0	3		T	S	0	1							Includes debris
4	W	S	C	2		T	S	0	1							Includes debris
5																
6																
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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.

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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

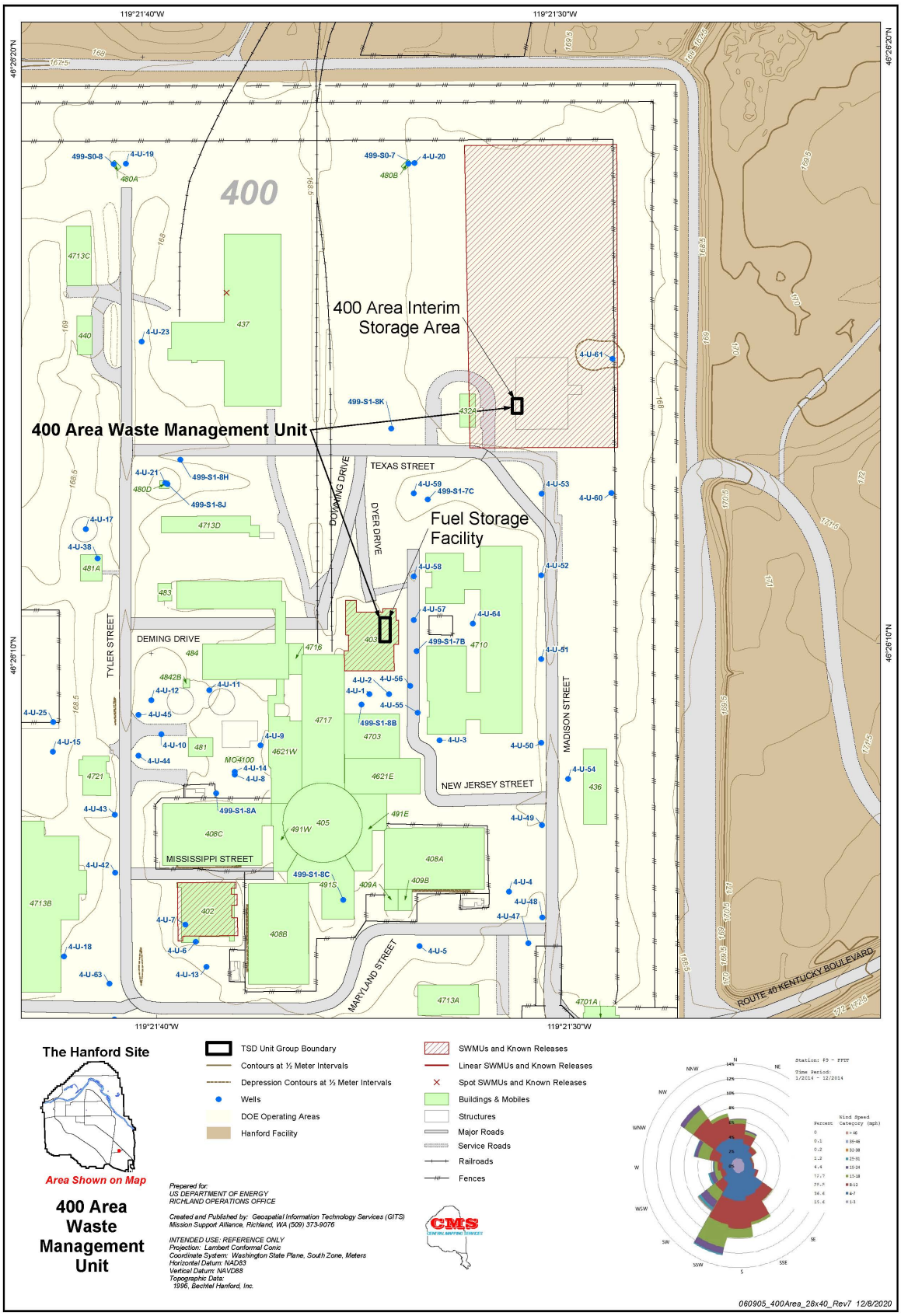
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage 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)	**Signature**	**Date Signed**
~~David A. Brockman~~**Brian T. Vance**, Manager U.S. Department of Energy Richland Operations Office		
Co-Operator* Name and Official Title (type or print)	**Signature**	**Date Signed**
~~John G. Lehew, III~~**Scott Sax,** President and **Project Manager**~~Chief Executive Officer~~ **Central Plateau Cleanup Company LLC**~~CH2M HILL Plateau Remediation Company~~		
Co-Operator – Address and Telephone Number* P.O. Box ~~1600~~**1464** Richland, WA 99352 (509) ~~376-0556~~**372-3845**		
Facility-Property Owner Name and Official Title (type or print)	**Signature**	**Date Signed**
~~David A. Brockman~~**Brian T. Vance**, Manager U.S. Department of Energy Richland Operations Office		

Comments
In Section IV, Facility Location is revised to update the facility location. In Section VI, Facility contact is revised to update the DOE-RL contact. In Section VII, Facility Operator Information is revised to update change in Co-Operator. In Section VIII, Facility Owner Information is revised to update facility owner name. In Section XVIII, "Certifications" is revised to update Operator Name, Co-Operator name, and Facility-Property Owner name. The topographic map for the unit is updated to reflect the current mapping conventions. The changes in these sections and the topographic map will be effective January 25, 2021. No other changes have been made to the Part A form sections. The certification is limited to the changes effective January 25, 2021.

Fuel Storage Facility (FSF) 8-2006
Building 403

Interim Storage Area (ISA) 8-2006
Building 4718


119°21'40"W
119°21'30"W
46°26'20"N
46°26'10"N
400
400 Area Interim Storage Area
400 Area Waste Management Unit
Fuel Storage Facility
TEXAS STREET
DOWNING DRIVE
DYER DRIVE
DEMING DRIVE
TYLER STREET
MADISON STREET
NEW JERSEY STREET
MISSISSIPPI STREET
MARYLAND STREET
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Area Shown on Map
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SWMUs and Known Releases
Linear SWMUs and Known Releases
Spot SWMUs and Known Releases
Buildings & Mobiles
Structures
Major Roads
Service Roads
Railroads
Fences
Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
Created and Published by: Geospatial Information Technology Services (GITS)
Mission Support Alliance, Richland, WA (509) 373-9076
INTENDED USE: REFERENCE ONLY
Projection: Lambert Conformal Conic
Coordinate System: Washington State Plane, South Zone, Meters
Horizontal Datum: NAD83
Vertical Datum: NAVD88
Topographic Data:
1996, Bechtel Hanford, Inc.
CMS
Station: F9 - FFTF
Time Period:
1/2014 - 12/2014
Wind Speed
Percent
Category (mph)
060905_400Area_28x40_Rev7 12/8/2020

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Hanford Facility RCRA Permit Modification Notification Forms

Part III, Operating Unit Group 19

Capsule Interim Storage

Index

Page 2 of 3: Part A Form
Page 3 of 3: Revision Instructions

Submitted by Co-Operator:

Digitally signed by STEPHANIE JOHANSEN (Affiliate)
Date: 2021.01.11 06:19:07 -08'00'

Stephanie K. Johansen Date

Reviewed by DOE Program Office:

Duane Carter

Digitally signed by Duane Carter
Date: 2021.01.11 06:31:35 -08'00'

Duane B. Carter Date

Hanford Facility RCRA Permit Modification Form

Unit:	Permit Part
Capsule Interim Storage	***Part III, Operating Unit Group 19 Unit Specific Conditions***

Description of Modification:

Update Addendum A, Part A Form for:

- Header – add "WA7890008967, Part III, Operating Unit Group 19, Capsule Interim Storage, January 25, 2021".

- Section VII. A., Facility Operator Information - delete two instances of "CH2M Hill Plateau Remediation Company Co-Operator for the Capsule Interim Storage" and add "Central Plateau Cleanup Company LLC Co-Operator for the Capsule Interim Storage". In the "Phone Number" field, delete "376-0556" and add "372-3845". In the "Street or P.O. Box" field, delete "CH2M Hill Plateau Remediation Company" and add "Central Plateau Cleanup Company LLC", and for the Post Office Box delete "1600" and add "1464".

- Section VII. C., Facility Operator Information - change "NO" to "YES" for co-operator change and update scheduled date for change to "01 25 2021".

- Section XVIII, Certifications, Co-Operator Name - delete "L. Ty Blackford" and add "Scott Sax". Delete the title "Chief Executive Officer" and add "Project Manager". Delete the company name "CH2M Hill Plateau Remediation Company" and add "Central Plateau Cleanup Company LLC". For the Post Office Box, delete "1600" and add "1464". Delete "376-0556" and add "372-3845".

- Section XIX Comments – After the existing sentence add:

  "XIX Comments (Cont'd)

  In Section VII, Facility Operator Information is revised to update change in Co-Operator name, phone number and PO Box. In Section XVIII, "Certifications" is revised to update Co-Operator name, official title, address and telephone number. The topographic map in Addendum AA, Part A, Attachment A, Figure A-1, is updated to reflect the current mapping conventions. Section XIX, Comments is expanded onto Page 8 or 8. The changes in these sections and the topographic map will be effective January 25, 2021. No other changes have been made to the Part A form sections. The certification is limited to the changes effective January 25, 2021".

Update Addendum AA, Part A Attachment A for:

- Figure A-1 - delete previous topographical map and add updated topographical map.

WAC 173-303-830 Modification Class	Class 1	Class [1]1	Class 2	Class 3
Please mark the Modification Class:		X		

Enter relevant WAC 173-303-830, Appendix I Modification citation number:

In accordance with WAC 173-303-830(4)(d)…the permittee requests this modification be reviewed and approved as a Class [1]1.

Modification Approved: ☐ Yes ☐ No	Reviewed by Ecology:
	S. N. Schleif — Date

Revision Instructions:

Revise Addendum A to incorporate the changes shown herein.

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)

☒	Request modification to a final status permit (commonly called a "Part B" permit)	
☐	Request a change under interim status	
☐	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).	
☐	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

U.S. Department of Energy – Hanford Facility

IV. Facility Location (Physical address not P.O. Box or Route Number)

A. Street

Refer to Permit Attachment 2 – Hanford Facility Permit Legal Description

City or Town	State	ZIP Code
Near Richland	WA	

County Code (if known)	County Name
0 0 5	Benton

B. Land Type	C. Geographic Location Latitude (degrees, mins, secs)	Longitude (degrees, mins, secs)	D. Facility Existence Date Month Day Year
F	Refer to TOPO map (Section XV).		1 1 1 9 1 9 8 0

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)**	
Vance	Brian	
Job Title	**Phone Number (area code and**	
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**
U.S. Department of Energy Owner/Operator	(509) 376-7395
Central Plateau Cleanup Company LLC, Co-Operator for the Capsule Interim Storage	(509) 372-3845
Street or P.O. Box	
U.S. Department of Energy P.O. Box 550	Central Plateau Cleanup Company LLC P.O. Box 1464

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?	☒ Yes ☐ No		
If yes, provide the scheduled date for the change:	Month	Day	Year
	01	25	2021

D. Is the name listed in VII.A. also the owner? If yes, skip to Section VIII.C.	☒ Yes ☐ No

VIII. Facility Owner Information	
A. Name	**Phone Number (area code and number)**
U.S. Department of Energy Owner/Operator	(509) 376-7395
Street or P.O. Box	
P.O. Box 550	
City or Town	**State** / **ZIP Code**
Richland	WA / 99352
B. Owner Type	F
C. Does the name in VIII.A reflect a proposed change in owner?	☐ Yes ☒ No

If yes, provide the scheduled date for the change:	Month	Day	Year

IX. NAICS Codes (5/6 digit codes)

A. First		B. Second	
562211	Waste Treatment & Disposal	924110	Administration of Air & Water Resource & Solid Waste Management Programs
C. Third		**D. Fourth**	
541715	Research & Development in the Physical, Engineering, & Life Sciences	562910	Remediation Services

X. Other Environmental Permits (see instructions)

A. Permit Type	B. Permit Number	C. Description
E	ST0004511	WAC 173-216 State Waste Discharge Permit Program, Sitewide Permit for Miscellaneous Streams

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

The Capsule Interim Storage (CIS) is designed in accordance with the Management of Cesium and Strontium Capsule (W-135) Project in the western portion of the 200 East Area to store radioactive cesium and strontium salts previously encapsulated and stored at the Waste Encapsulation and Storage Facility (WESF). The radioactive cesium is stored as cesium chloride, and the strontium is stored as strontium fluoride. Due to the impurities, the salts were designated as mixed waste. The CSA will store the cesium and strontium capsules until addressed by Major Milestone M-092. Major Milestone M-092 addresses the disposition path for the cesium and strontium capsules, with a milestone due date of December 31, 2047 to complete the acquisition and modification of facilities necessary for the storage, treatment/processing, and disposal of the capsules.

CIS consists of the operating Capsule Storage Area (CSA) dangerous waste management unit (DWMU). The CSA has been classified as an X99 (miscellaneous) unit due to the unique packaging and radiological characteristics of the cesium and strontium that necessitate specialized management systems and requirements other than those applicable to container storage units. Miscellaneous units do not clearly fit into a regulatory category, such as a container storage unit, containment building, or tank system. WAC 173-303-680, "Dangerous Waste Regulations," "Miscellaneous units," requires that miscellaneous units be located, designed, constructed, and operated in a way that protects human

health and the environment according to those provisions most appropriate to the unit being permitted. Terms and provisions most appropriate to CIS are those applicable requirements in WAC 173-303-630, "Use and management of containers."

CIS does not generate dangerous waste from routine maintenance.

NAICS code 562910, Remediation Services, does not apply to the CIS operating unit group.

CSA Description

CSA is an uncovered, unenclosed, rectangular storage pad constructed of reinforced concrete measuring ~27 m (90 ft) wide by 56 m (184 ft) long and 46 cm (18 in.) thick. Waste managed at the CSA consists of 1,936 capsules previously stored at the WESF.

Capsules are stored at the CSA within 25 Cask Storage Systems (CSS), which provide additional containment for the capsules. Designed as a passive system, the CSS has natural circulation that provides cooling as outlet air vents offer a flow path for the internal circulation of air adjacent to the canister for heat removal. Instruments at the outlet air vents provide temperature monitoring.

The CSS consists of the following components: universal capsule sleeve (UCS), transportable storage canister (TSC) basket, TSC, and vertical concrete cask (VCC). Up to six standard capsules or two Type-W capsules are contained within a UCS that are sealed closed. The loaded UCS are placed in the TSC basket that has 11 cell locations. Each cell location holds up to two UCS, and each of the cells has a shield plug and closure lid. A maximum of 132 capsules can be stored in each TSC.

The TSC houses the TSC basket and serves as an overpack. The lid of the TSC is sealed shut. The TSC is contained within a VCC ~3.4 m (11 ft) tall and 3.0 m (10 ft) in diameter. The thickness of the VCC concrete wall is ~0.6 m (2 ft), and the lid is ~0.3 m (1 ft). The VCC provides radiation shielding, protection from external hazards, and protection from the environment (e.g., wind, rain, snow).

No capsule loading operations will occur at the CSA; the capsules are loaded into the CSS at the WESF.

CSA Storage Capacity

CSA does not produce products or have any production processes. After initial receipt of the capsules, no additional waste will be received. The maximum waste stored at the CSA DWMU is the 1,936 cesium and strontium capsules; therefore, the maximum storage capacity for the CSA is the 1,936 capsules. Since each capsule has a maximum volume of 1 L (0.264 gal), this equates to a total capacity of 1,936 L (511.4 gal). The total mass of cesium and strontium salts was calculated by subtracting the empty capsule weight from the gross weight of a loaded capsule. The total mass of the salts is 5,049 kg (11,131 lb).

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	X	9	9	1,936	L	001		1	X	9	9	1,936	L	001	Capsule Storage Area
	2								2							
	3								3							
	4								4							
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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									D. Processes (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	5	5,049	K	X	9	9							Storage
2	D	0	0	6												Included above
3	D	0	0	7												Included above
4	D	0	0	8												Included above
5	D	0	1	1												Included above
6																
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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.

XVI. Facility Drawing

All existing facilities must include a scale drawing of the facility (refer to instructions for more detail).

See Attachment A.

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).

See Attachment A.

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) Brian Vance, Manager U.S. Department of Energy Richland Operations Office		**Date Signed** 1/22/2021
Co-Operator Name and Official Title (type or print) Scott Sax President and Project Manager Central Plateau Cleanup Company LLC	SCOTT SAX (Affiliate) Digitally signed by SCOTT SAX (Affiliate) Date: 2021.01.19 17:12:32 -08'00'	**Date Signed**
Co-Operator – Address and Telephone Number P.O. Box 1464 Richland, WA 99352 (509) 372-3845		
Facility-Property Owner Name and Official Title (type or print) Brian Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature**	**Date Signed** 1/22/2021

XIX. Comments

Attachment A contains a topographic map, facility drawing, and photograph of CIS. See Ecology Administrative Record for the Hanford Facility topographic map.

XIX. Comments (Cont'd):

In Section VII, Facility Operator Information is revised to update change in Co-Operator name, phone number and PO Box. In Section XVIII, “Certifications” is revised to update Co-Operator name, official title, address and telephone number. The topographic map for the unit is updated to reflect the current mapping conventions. Section XIX, Comments is expanded onto Page 8 of 8. The changes in these sections and the topographic map will be effective January 25, 2021. No other changes have been made to the Part A form sections. The certification is limited to the changes effective January 25, 2021.

Part A Attachment A

Figures

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Figures

Figure A-1. CIS Topographic Map A-A-1
Figure A-2. Capsule Storage Area Civil Plan A-A-3
Figure A-3. Proposed Area for the Capsule Interim Storage (August, 2017) A-A-5

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Figure A-1. CIS Topographic Map

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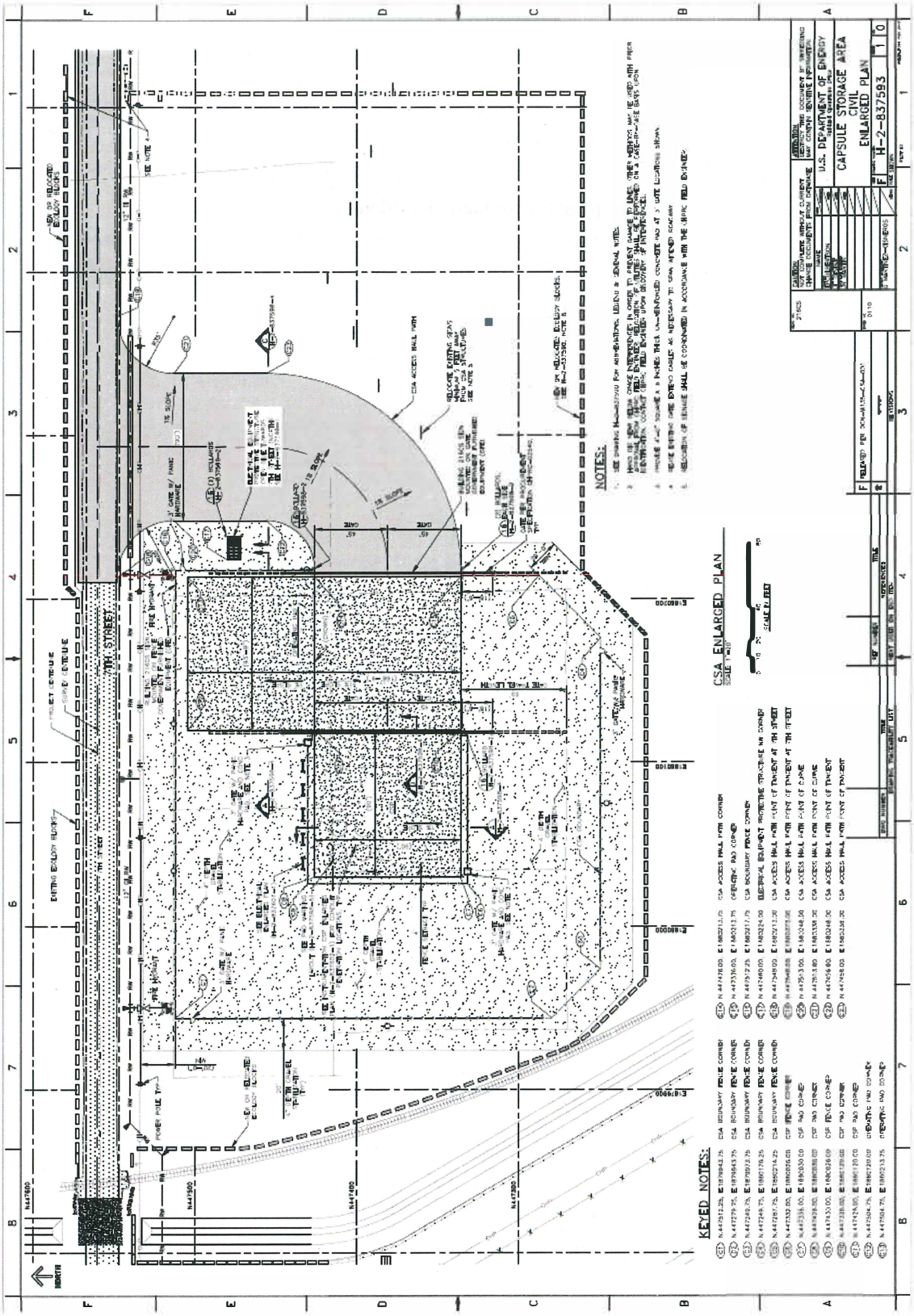

Figure A-2. Capsule Storage Area Civil Plan

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Figure A-3. Proposed Area for the Capsule Interim Storage (August, 2017)

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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)

☒	Request modification to a final status permit (commonly called a "Part B" permit)
☐	Request a change under interim status
☐	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).
☐	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

U.S. Department of Energy – Hanford Facility

IV. Facility Location (Physical address not P.O. Box or Route Number)

A. Street

Refer to Permit Attachment 2 – Hanford Facility Permit Legal Description

City or Town	State	ZIP Code
Near Richland	WA	

County Code (if known)	County Name
0 0 5	Benton

B. Land Type	C. Geographic Location Latitude (degrees, mins, secs)	Longitude (degrees, mins, secs)	D. Facility Existence Date Month Day Year
F	Refer to TOPO map (Section XV).		1 1 1 9 1 9 8 0

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)**	
Vance	Brian	
Job Title	**Phone Number (area code and**	
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**
U.S. Department of Energy Owner/Operator Central Plateau Cleanup Company LLC~~CH2M HILL Plateau Remediation Company~~, Co-Operator for the Capsule Interim Storage	(509) 376-7395 (509) ~~376-0556~~372-3845
Street or P.O. Box	
U.S. Department of Energy P.O. Box 550	Central Plateau Cleanup Company LLC ~~CH2M Hill Plateau Remediation Company~~ P.O. Box ~~1600~~1464

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?	☒ Yes ☐ No	
If yes, provide the scheduled date for the change:	**Month** 0 1	**Day** 2 5 **Year** 2 0 2 1
D. Is the name listed in VII.A. also the owner? If yes, skip to Section VIII.C.	☒ Yes ☐ No	

VIII. Facility Owner Information	
A. Name	**Phone Number (area code and number)**
U.S. Department of Energy Owner/Operator	(509) 376-7395
Street or P.O. Box	
P.O. Box 550	

City or Town	State	ZIP Code
Richland	WA	99352

B. Owner Type	F	
C. Does the name in VIII.A reflect a proposed change in owner?	☐ Yes ☒ No	

If yes, provide the scheduled date for the change:	Month	Day	Year

IX. NAICS Codes (5/6 digit codes)

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C. Third		**D. Fourth**	
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A. Permit Type	B. Permit Number	C. Description
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XI. Nature of Business (provide a brief description that includes both dangerous waste and non-dangerous waste areas and activities)

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The TSC houses the TSC basket and serves as an overpack. The lid of the TSC is sealed shut. The TSC is contained within a VCC ~3.4 m (11 ft) tall and 3.0 m (10 ft) in diameter. The thickness of the VCC concrete wall is ~0.6 m (2 ft), and the lid is ~0.3 m (1 ft). The VCC provides radiation shielding, protection from external hazards, and protection from the environment (e.g., wind, rain, snow).

No capsule loading operations will occur at the CSA; the capsules are loaded into the CSS at the WESF.

CSA Storage Capacity

CSA does not produce products or have any production processes. After initial receipt of the capsules, no additional waste will be received. The maximum waste stored at the CSA DWMU is the 1,936 cesium and strontium capsules; therefore, the maximum storage capacity for the CSA is the 1,936 capsules. Since each capsule has a maximum volume of 1 L (0.264 gal), this equates to a total capacity of 1,936 L (511.4 gal). The total mass of cesium and strontium salts was calculated by subtracting the empty capsule weight from the gross weight of a loaded capsule. The total mass of the salts is 5,049 kg (11,131 lb).

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	X	9	9	1,936	L	001		1	X	9	9	1,936	L	001	Capsule Storage Area
	2								2							
	3								3							
	4								4							
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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									D. Processes (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	5	5,049	K	X	9	9							Storage
2	D	0	0	6												Included above
3	D	0	0	7												Included above
4	D	0	0	8												Included above
5	D	0	1	1												Included above
6																
7																
8																
9																
10																
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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.

XVI. Facility Drawing

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

See Attachment A.

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).

See Attachment A.

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) Brian Vance, Manager U.S. Department of Energy Richland Operations Office		**Date Signed**
Co-Operator Name and Official Title (type or print) ~~L. Ty Blackford~~Scott Sax President and ~~Project Manager~~~~Chief Executive Officer~~ Central Plateau Cleanup Company LLC ~~CH2M HILL Plateau Remediation Company~~		**Date Signed**
Co-Operator – Address and Telephone Number P.O. Box ~~1600~~1464 Richland, WA 99352 (509) ~~376-0556~~372-3845		
Facility-Property Owner Name and Official Title (type or print) Brian Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature**	**Date Signed**

XIX. Comments

Attachment A contains a topographic map, facility drawing, and photograph of CIS. See Ecology Administrative Record for the Hanford Facility topographic map.

XIX. Comments (Cont'd):

In Section VII, Facility Operator Information is revised to update change in Co-Operator name, phone number and PO Box. In Section XVIII, "Certifications" is revised to update Co-Operator name, official title, address, and telephone number. The topographic map in Addendum AA, Part A, Attachment A, Figure A-1, is updated to reflect the current mapping conventions. Section XIX, Comments is expanded onto Page 8 of 8. The changes in these sections and the topographic map will be effective January 25, 2021. No other changes have been made to the Part A form sections. The certification is limited to the changes effective January 25, 2021.

Part A Attachment A

Figures

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Figures

Figure A-1. CIS Topographic Map A-A-1
Figure A-2. Capsule Storage Area Civil Plan A-A-3
Figure A-3. Proposed Area for the Capsule Interim Storage (August, 2017) A-A-5

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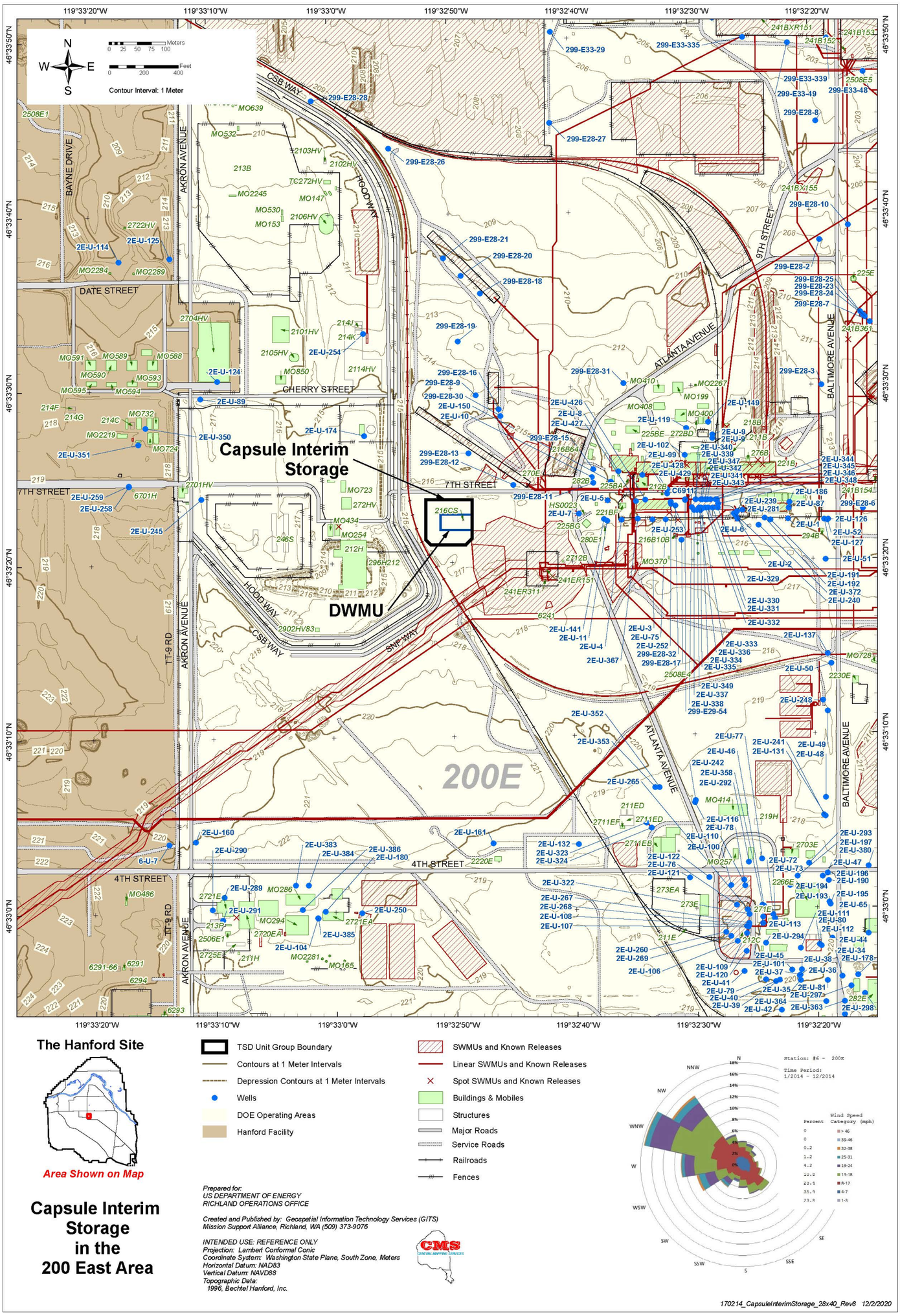

The Hanford Site

Area Shown on Map

Capsule Interim Storage in the 200 East Area

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

Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE

Created and Published by: Geospatial Information Technology Services (GITS)
Mission Support Alliance, Richland, WA (509) 373-9076

INTENDED USE: REFERENCE ONLY
Projection: Lambert Conformal Conic
Coordinate System: Washington State Plane, South Zone, Meters
Horizontal Datum: NAD83
Vertical Datum: NAVD88
Topographic Data:
1996, Bechtel Hanford, Inc.

170214_CapsuleInterimStorage_28x40_Rev8 12/2/2020

Figure A-1. CIS Topographic Map

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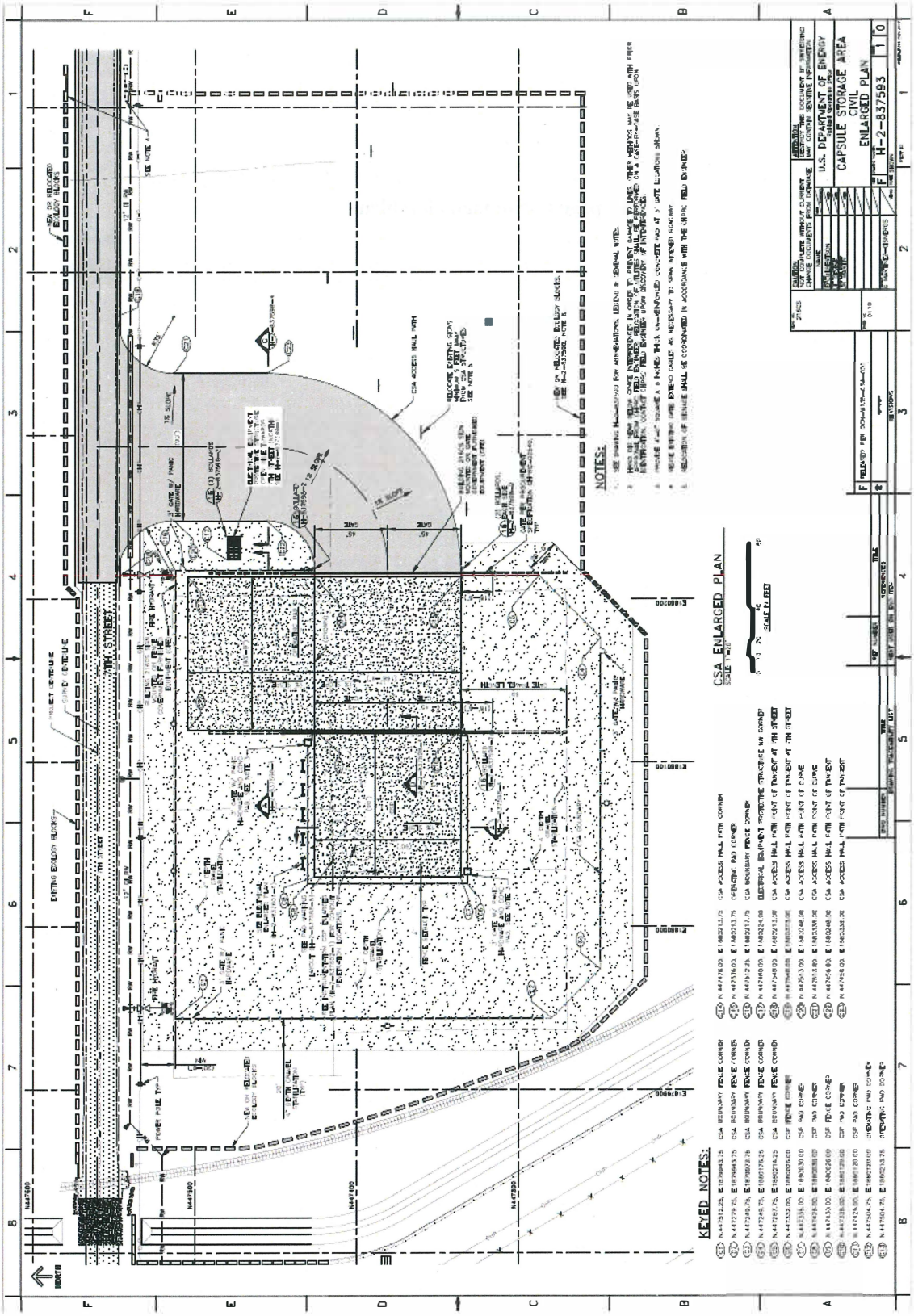

Figure A-2. Capsule Storage Area Civil Plan

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Figure A-3. Proposed Area for the Capsule Interim Storage (August, 2017)

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Hanford Facility RCRA Permit Modification Notification Forms

Part III, Operating Unit Group 11

Integrated Disposal Facility Unit

Index

Page 2 of 4: Unit Specific Conditions
Page 3 of 4: Part A Form
Page 4 of 4: Revision Instructions

Submitted by Co-Operator:

Digitally signed by STEPHANIE JOHANSEN (Affiliate)
Date: 2021.01.06 12:01:00 -08'00'

Stephanie K. Johansen Date

Reviewed by DOE Program Office:

Duane Carter

Digitally signed by Duane Carter
Date: 2021.01.06 12:03:52 -08'00'

Duane B. Carter Date

Hanford Facility RCRA Permit Modification Form

Unit:	Permit Part
Integrated Disposal Facility Unit	***Part III, Operating Unit Group 11 Unit Specific Conditions***

Description of Modification:

Update the revision history information for Addendum A, Part A Form

OPERATING UNIT 11:

Chapter 1.0	Part A Form, dated ~~October 1, 2008~~ TBD
Chapter 2.0	Topographic Map Description, dated September 30, 2014
Chapter 3.0	Waste Analysis Plan, dated June 30, 2013
Chapter 4.0	Process Information, dated September 08, 2020
Appendix 4A	Design Report (as applicable to critical systems), dated September 08, 2020
Appendix 4B	Construction Quality Assurance Plan, dated April 9, 2006
Appendix 4C	Facility Response Action Plan, dated April 9, 2006
Appendix 4D	Construction Specifications (RPP-18489, Rev. 1), dated September 08, 2020
Appendix C9	Infrastructure Construction Specification (CHPRC-03953, Rev. 0), dated September 08, 2020
Chapter 5.0	Groundwater Monitoring, dated June 30, 2010
Chapter 6.0	Procedure to Prevent Hazards, dated June 20, 2013

Update date to coincide with Ecology signature approvals on the Class [1]1 modifications herein.

WAC 173-303-830 Modification Class	Class 1	Class [1]1	Class 2	Class 3
Please mark the Modification Class:		X		

Enter relevant WAC 173-303-830, Appendix I Modification citation number:

In accordance with WAC 173-303-830(4)(d)…the permittee requests this modification be reviewed and approved as a Class [1]1.

Modification Approved: ☐ Yes ☐ No	Reviewed by Ecology:
	S. N. Schleif — Date

Hanford Facility RCRA Permit Modification Form

Unit:	Permit Part
Integrated Disposal Facility	***Part III, Operating Unit Group 11 Unit Specific Conditions***

Description of Modification:

Updated Chapter 1.0, Part A Form for:

- Header – delete "WA7890008967, Part III Operating Unit 11, Addendum A" and add "WA7890008967, Part III, Operating Unit Group 11, Integrated Disposal Facility, January 25, 2021".
- Section IV.A, Facility Location/Street - update address to "2440 Stevens Drive" and zip code to "99354".
- Section VI, Facility Contact - delete David Brockman and add Brian Vance.
- Section VII. A., Facility Operator Information - delete "CH2M Hill Plateau Remediation Company Co-Operator for Integrated Disposal Facility*" and add "Central Plateau Cleanup Company LLC Co-Operator for Integrated Disposal Facility *". In the "Phone Number" field, delete "(509) 376-0556" and add "(509) 372-3845". In the "Street or P.O. Box" field, delete "P.O. Box 1600" and add "P.O. Box 1464".
- Section VII. C., Facility Operator Information - change "NO" to "YES" for co-operator change and update scheduled date for change to "01 25 2021".
- Section VIII, Facility Owner Information, Name - delete "David A. Brockman" and add "Brian T. Vance".
- Section XVIII, Certifications, Operator Name - delete "David A. Brockman" and add "Brian T. Vance".
- Section XVIII, Certifications, Co-Operator Name - delete "John G. Lehew" and add "Scott Sax". Delete the title "Chief Executive Officer" and add "Project Manager". Delete the company name "CH2M Hill Plateau Remediation Company" and add "Central Plateau Cleanup Company LLC". Delete "P.O. Box 1600" and add "P.O. Box 1464". Delete "(509) 376-0556" and add "(509) 372-3845".
- Section XVIII, Certifications, Facility-Property Owner -delete "David A. Brockman", add "Brian T. Vance".
- Comments - delete the two sentences, "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" and replace with, "In Section IV, Facility Location is revised to update the facility location and address. In Section VI, Facility contact is revised to update the DOE-RL contact. In Section VII, Facility Operator Information is revised to update change in Co-Operator. In Section VIII, Facility Owner Information is revised to update facility owner name. In Section XVIII, "Certifications" is revised to update Operator Name, Co-Operator name and address, and Facility-Property Owner name. The topographic map for the unit is updated to reflect the current mapping conventions. The changes in these sections and the topographic map will be effective January 25, 2021. No other changes have been made to the Part A form sections. The certification is limited to the changes effective January 25, 2021".
- Delete previous topographical map and add updated topographical map.

WAC 173-303-830 Modification Class	Class 1	Class [1]1	Class 2	Class 3
Please mark the Modification Class:		X		

Enter relevant WAC 173-303-830, Appendix I Modification citation number:

In accordance with WAC 173-303-830(4)(d)…the permittee requests this modification be reviewed and approved as a Class [1]1.

Modification Approved: ☐ Yes ☐ No	Reviewed by Ecology:
	S. N. Schleif — Date

Revision Instructions:

Revise the Unit Specific Conditions and Addendum A to incorporate the changes shown herein.

INTEGRATED DISPOSAL FACILITY
CHANGE CONTROL LOG

Change Control Logs ensure that changes to this unit are performed in a methodical, controlled, coordinated, and transparent manner. Each unit addendum will have a "**Last Modification Date**" which represents the last date the portion of the unit has been modified. The "**Modification Number**" represents Ecology's method for tracking the different versions of the permit. This log will serve as an up to date record of modifications and version history of the unit.

Last modification to Integrated Disposal Facility **September 08, 2020**

Chapters	Last Modification Date	Modification Number
Unit-Specific Permit Conditions	09/08/2020	PCN-IDF-2020-04 (8C.2020.Q3)
1.0 Part A Form	10/01/2008	
2.0 Topographic Map Description	09/30/2014	
3.0 Waste Analysis Plan	06/30/2013	
4.0 Process Information	09/08/2020	PCN-IDF-2020-04 (8C.2020.Q3)
4A1 Phase I Critical Systems Design Report	09/08/2020	PCN-IDF-2020-04 (8C.2020.Q3)
4A2 Critical Systems Tables & Data Sheets	03/31/2008	
4A3 Critical Systems Design Drawings	09/08/2020	PCN-IDF-2020-04 (8C.2020.Q3)
4B Detailed Design Cell 1 Construction Quality Assurance Plan	04/09/2006	
4C Facility Response Action Plan	04/09/2006	
4D Construction Specifications (C-1)	09/08/2020	PCN-IDF-2020-04 (8C.2020.Q3)
C9 Infrastructure Construction Specification	09/08/2020	PCN-IDF-2020-04 (8C.2020.Q3)
5.0 Groundwater Monitoring	06/30/2010	
6.0 Procedures to Prevent Hazards	06/20/2013	
7.0 Reserved		
8.0 Personnel Training	09/30/2014	
9.0 Reserved		
10.0 Reserved		
11.0 Closure	09/30/2014	
12.0 Reserved		
13.0 Other Federal and State Laws	04/09/2006	

Addenda	Last Modification Date	Modification Number
Addendum J.1 Pre-Active Life Contingency Plan	06/11/2020	PCN-IDF-2020-03 (8C.2020.Q2)
Addendum J.2 Active Life Contingency Plan	05/23/2016	8C.2016.Q1

INTEGRATED DISPOSAL FACILITY
PART III, OPERATING UNIT GROUP 11
UNIT-SPECIFIC PERMIT CONDITIONS

CHANGE CONTROL LOG

Change Control Logs ensure that changes to this unit are performed in a methodical, controlled, coordinated, and transparent manner. Each unit addendum will have its own change control log with a modification history table. The "**Modification Number**" represents Ecology's method for tracking the different versions of the permit. This log will serve as an up to date record of modifications and version history of the unit.

Modification History Table

Modification Date	Modification Number
09/08/2020	PCN-IDF-2020-04 (8C.2020.Q3)
06/11/2020	PCN-IDF-2020-03 (8C.2020.Q2)
08/21/2018	PCN-IDF-2018-01 (8C.2018.Q3)
08/25/2016	8C.2016.Q2

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INTEGRATED DISPOSAL FACILITY
PART III, OPERATING UNIT GROUP 11
UNIT-SPECIFIC PERMIT CONDITIONS

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PART III, OPERATING UNIT GROUP 11 UNIT-SPECIFIC PERMIT CONDITIONS INTEGRATED DISPOSAL FACILITY

This document sets forth the operating conditions for the Integrated Disposal Facility (IDF).

III.11.A COMPLIANCE WITH APPROVED PERMIT

The Permittees shall comply with all requirements set forth in the IDF Permit Conditions, the Chapters and Appendices specified in Permit Condition III.11.A and the Amendments specified in Permit Conditions III.11.B through III.11.I. All subsections, figures, and tables included in these portions are enforceable unless stated otherwise:

OPERATING UNIT 11:

Chapter 1.0	Part A Form, dated ~~October 1, 2008~~ TBD
Chapter 2.0	Topographic Map Description, dated September 30, 2014
Chapter 3.0	Waste Analysis Plan, dated June 30, 2013
Chapter 4.0	Process Information, dated September 08, 2020
Appendix 4A	Design Report (as applicable to critical systems), dated September 08, 2020
Appendix 4B	Construction Quality Assurance Plan, dated April 9, 2006
Appendix 4C	Facility Response Action Plan, dated April 9, 2006
Appendix 4D	Construction Specifications (RPP-18489, Rev. 1), dated September 08, 2020
Appendix C9	Infrastructure Construction Specification (CHPRC-03953, Rev. 0), dated September 08, 2020
Chapter 5.0	Groundwater Monitoring, dated June 30, 2010
Chapter 6.0	Procedure to Prevent Hazards, dated June 20, 2013
Addendum J.1	Pre-Active Life Contingency Plan, dated June 11, 2020
Addendum J.2	Active Life Contingency Plan, dated March 31, 2016
Chapter 8.0	Personnel Training, dated September 30, 2014
Chapter 11.0	Closure, dated September 30, 2014
Chapter 13.0	Other Federal and State Laws, dated April 9, 2006

General and Standard Hanford Facility Resource Conservation and Recovery Act (RCRA) Permit, WA7890008967 (Permit) conditions (Part I and Part II Conditions) applicable to the IDF are identified in Permit Attachment 9, *Permit Applicability Matrix*.

III.11.B AMENDMENTS TO THE APPROVED PERMIT

III.11.B.1 Portions of Permit Attachment 4, *Hanford Emergency Management Plan* that are not made enforceable by inclusion in the applicability matrix for that document, are not made enforceable by reference in this document.

III.11.B.2 Permittees must comply with all applicable portions of the Permit. The facility and unit-specific recordkeeping requirements are distinguished in the General Information Portion of the Permit, and are tied to the Permit conditions.

III.11.B.3 The scope of this Permit is restricted to the landfill construction and operation as necessary to dispose of: (1) Immobilized Low-Activity Waste (ILAW) from the Waste Treatment Plant (WTP), and (2) the Demonstration Bulk Vitrification System (DBVS) and IDF operational waste as identified in Chapter 4.0. Future expansion of the RCRA trench, or disposal of other wastes not specified in this Permit, is prohibited unless authorized via modification of this Permit.

III.11.B.4 In accordance with Washington Administrative Code (WAC) 173-303-806(11)(d), this Permit shall be reviewed every five (5) years after the effective date and modified, as necessary, in accordance with WAC 173-303-830(3).

III.11.B.5 Inspection Requirements–Pre-Active Life Period and Active Life Period

III.11.B.5.a The Permittees will conduct inspections of the IDF according to the following requirements:

III.11.B.5.a.i Prior to the start of the active life of the IDF as defined in WAC 173-303-040, according to Chapter 6.0, Table 6.2.

III.11.B.5.a.ii Following the start of the active life of the IDF as defined in WAC 173-303-040, according to Chapter 6.0, Table 6.2A.

III.11.B.5.b The Permittees will remedy any problems revealed by inspections conducted pursuant to Permit Condition III.11.B.5.a on a schedule, which prevents hazards to the public health and the environment and as agreed to in writing, by the Department of Ecology (Ecology). Where a hazard is imminent or has already occurred, remedial action must be taken immediately.

III.11.B.5.c Reserved

III.11.B.5.d Rainwater Management

III.11.B.5.e Prior to the start of the active life of the IDF, the Permittees will manage the discharge of such water in accordance with the pollution prevention and best management practices required by State Waste Discharge Permit Number ST-4511.

III.11.B.5.e.i Management of Liquids Collected in the Leachate Collection and Removal System (LCRS), Leak Detection System (LDS), and Secondary Leak Detection System (SLDS) prior to the start of the active life of the IDF.

III.11.B.5.e.ii Permittees shall manage the liquid in the LCRS in a manner that does not allow the fluid head to exceed 30.5 cm above the flat 50-foot by 50-foot LCRS sump High Density Polyethylene (HDPE) bottom liner, and the LCRS sump trough, except for storms that exceed the 25-year, 24-hour storm event [WAC 173-303-665(2)(h)(ii)]. Liquid with a depth greater than 30.5 cm above the LCRS liner will be removed at the earliest practicable time after detection (not to exceed 5 working days).

III.11.B.5.e.iii Accumulated liquid of pumpable quantities in the LDS and SLDS will be managed in a manner that does not allow the fluid head to exceed 30.5 cm above the LDS liner or SLDS liner [WAC 173-303-665(2)(h)(ii) and (iii)]. Liquid with a depth greater than 30.5 cm above a liner will be removed at the earliest practicable time after detection (not to exceed 5 working days).

III.11.B.5.e.iv The Permittees will use a flow meter to check if the amount of actual liquid pumped corresponds to the amount accumulated in the leachate collection tank to verify the proper function of the leachate collection and removal sump pumps with each use. The Permittees will document in the IDF portion of the facility operating record appropriate quality assurance/quality control requirements for selection and operation of

the flow meter based on the required verification. In addition, the Permittees will evaluate the leachate transfer lines for freeze and thaw damage when ambient conditions may cause such damage to occur. The Permittees will document the methods and criteria used for purposes of this evaluation, along with an appropriate justification.

III.11.B.5.e.v The Permittee will inspect for liquids after significant rainfall events.

III.11.B.5.e.vi The Permittee will annually verify monitoring gauges and instruments are in current calibration; calibration will be performed annually or more frequently at intervals suggested by the manufacturer (refer to Chapter 4.0, §4.3.7.4).

III.11.B.5.f The Permittees will monitor liquids in the LCRS and LDS to ensure the action leakage rate (Chapter 4.0, Appendix 4A) is not exceeded.

III.11.B.5.g Soil Stabilization

Prior to the first placement of waste in the IDF, the Permittee will apply soil stabilization materials as needed to prevent soil erosion in and around the landfill.

III.11.C Design Requirements

III.11.C.1 IDF is designed in accordance with WAC 173-303-665 and WAC 173-303-640 as described in Chapter 4.0. Design changes impacting IDF critical systems shall be performed in accordance with Permit Conditions III.11.D.1.d.i and III.11.D.1.d.ii.

III.11.C.1.a IDF Critical Systems include the following: the LCRS, Leachate Collection Tank (LCT), LDS, Liner System (LS), and closure cap. H-2 Drawings for the LCRS, LCT, LDS, and LS are identified in Appendix 4A, Section 3 of this Permit. Drawings for the closure cap will be provided pursuant to Permit Condition III.11.C.1.c.

The Permittees shall construct and operate the IDF in accordance with all specifications contained in RPP-18489, Rev 0. Critical systems, as defined in the definitions section of the Site-wide RCRA Permit, are identified in Appendix 4A, Section 1 of this Permit.

III.11.C.1.b Landfill Cap

At final closure of the landfill, the Permittees shall cover the landfill with a final cover (closure cap) designed and constructed [WAC 173-303-665(6), WAC 173-303-806(4)(h)] to: provide long-term minimization of migration of liquids through the closed landfill; function with minimum maintenance; promote drainage and minimize erosion or abrasion of the cover; accommodate settling and subsidence so that the cover's integrity is maintained; and have a permeability less than or equal to the permeability of any bottom liner system or natural subsoils present.

III.11.C.1.c Compliance Schedule

Proposed conceptualized final cover design is presented in Chapter 11, Closure Requirements. Six months prior to start of construction of IDF landfill final cover (but no later than 6 months prior to acceptance of the last shipment of waste at the IDF), the Permittees shall submit IDF landfill final cover design, specifications and Construction Quality Assurance (CQA) Plan to Ecology for review and approval. No construction of the final cover may proceed until Ecology approval of the final design is given, through a permit modification.

III.11.C.1.d The Permittees shall notify Ecology at least sixty (60) calendar days prior to the date it expects to begin closure of the IDF landfill in accordance with WAC 173-303-610(c).

III.11.C.2 Design Reports

III.11.C.2.a New Tank Design Assessment Report

Permittees shall generate a written report in accordance with WAC 173-303-640(3)(a), providing the results of the leachate collection tank system design assessment. The report shall be reviewed and certified by an Independent Qualified Registered Professional Engineer (IQRPE)[1] in accordance with WAC-173-303-810(13)(a).

III.11.C.2.b Compliance Schedule

Permittees shall submit the leachate collection tank design assessment report to Ecology along with the IQRPE certification, prior to construction of any part of the tank system including ancillary equipment.

III.11.D CONSTRUCTION REQUIREMENTS

III.11.D.1 Construction Quality Assurance

III.11.D.1.a Ecology shall provide field oversight during construction of critical systems. In cases where an Engineering Change Notice (ECN) and/or Non-Conformance Report (NCR) are required, Ecology and the Permittees shall follow steps for processing changes to the approved design per Permit Conditions III.11.D.1.d.i and III.11.D.1.d.ii.

III.11.D.1.b Permittees shall implement the CQA plan (Appendix 4B of the Permit) during construction of IDF.

III.11.D.1.b.i The Permittees will not receive waste in the IDF until the owner or operator has submitted to Ecology by certified mail or hand delivery a certification signed by the CQA officer that the approved CQA plan has been successfully carried out and that the unit meets the requirements of WAC 173-303-665(2)(h) or (j); and the procedure in WAC 173-303-810(14)(a) has been completed. Documentation supporting the CQA officer's certification shall be furnished to Ecology upon request.

III.11.D.1.c Construction Inspection Reports

Permittees shall submit a report documenting the results of the leachate tank installation inspection. This report must be prepared by an Independent, Qualified Installation Inspector or a professional IQRPE either of whom is trained and experienced in the proper installation of tank systems or components. The Permittees will remedy all discrepancies before the tank system is placed in use. This report shall be submitted to Ecology 90 days prior to IDF operation and be included in the IDF Operating Record. [WAC 173-303-640(3)(h)].

III.11.D.1.d ECN/NCR Process for Critical Systems

Portions of the following conditions for processing ECN and non-conformance reporting were extracted from and supersede Site-wide General Permit Condition II.L.

III.11.D.1.d.i ECN for Critical Systems

During construction of the IDF, the Permittees shall formally document changes to the approved designs, plans, and specifications, identified in Appendices 4A, 4B, 4C, 4D, and C9 of this Permit, with an ECN.

[1] "Independent Qualified Registered Professional Engineer," as used here and elsewhere with respect to Operating Unit Group 11, means a person who is licensed by the state of Washington, or a state which has reciprocity with the state of Washington as defined in Revised Code of Washington (RCW) 18.43.100, and who is not an employee of the owner or operator of the facility for which construction or modification certification is required. A Qualified Professional Engineer is an engineer with expertise in the specific area for which a certification is given.

The Permittees shall maintain all ECNs in the IDF unit-specific Operating Record and shall make them available to Ecology upon request or during the course of an inspection. The Permittees shall provide to Ecology copies of proposed ECNs affecting any critical system within five (5) working days of initiating the ECN. Identification of critical systems is included in Permit Condition III.11.C.1 and Appendix 4A of this Permit. Within five (5) working days, Ecology will review a proposed ECN modifying a critical system and inform the Permittees whether the proposed ECN, when issued, will require a Class 1, 2, or 3 Permit modification.

III.11.D.1.d.ii Non-Conformance Reporting for Critical Systems

III.11.D.1.d.ii.a During construction of the IDF, the Permittees shall formally document with an NCR, any work completed which does not meet or exceed the standards of the approved design, plans and specifications, identified in Appendices 4A, 4B, 4C, 4D, and C9 of this Permit. The Permittees shall maintain all NCRs in the IDF unit-specific Operating Record and shall make them available to Ecology upon request, or during the course of an inspection.

III.11.D.1.d.ii.b The Permittees shall provide copies of NCRs affecting any critical or regulated system to Ecology within five (5) working days after identification of the non-conformance. Identification of critical systems is included in Permit Condition III.11.C.1 and Appendix 4A of this Permit. Ecology will review a NCR affecting a critical system and notify the Permittees within five (5) working days, in writing, whether a Permit modification is required for any nonconformance, and whether prior approval is required from Ecology before work proceeds, which affects the nonconforming item.

III.11.D.1.d.ii.c As-Built Drawings

Upon completing construction of IDF, the Permittees shall produce as-built drawings of the project, which incorporate the design and construction modifications resulting from all project ECNs and NCRs, as well as modifications made pursuant to WAC 173-303-830. The Permittees shall place the drawings into the Operating Record within twelve (12) months of completing construction.

III.11.D.2 The Permittees shall not reduce the minimum frequency of destructive testing less than one test per 500 feet of seam, without prior approval in writing from Ecology.

III.11.E **GROUNDWATER AND GROUNDWATER MONITORING**

Groundwater shall be monitored in accordance with + and the provisions contained in the Ecology-approved facility "Groundwater Monitoring" (Chapter 5.0). All wells used to monitor the groundwater beneath the unit shall be constructed in accordance with the provisions of WAC 173-160.

III.11.E.1 Groundwater Monitoring Program

III.11.E.1.a Prior to initial waste placement in the IDF landfill, the Permittees shall sample all groundwater monitoring wells in the IDF network twice quarterly for one first year to determine baseline conditions. For the first sampling event (and only the first), samples for each well will include all constituents in 40 Code of Federal Regulations (CFR) 264 Appendix IX. Thereafter, sampling will include only those constituents as specified in Chapter 5.0, Table 5-2: chromium (filtered and unfiltered the first year to compare results), specific conductance, Total Organic Carbons, Total Organic Halide, and pH. Other constituents to be monitored but not statistically compared include alkalinity,

anions, Inductively Coupled Plasma metals, and turbidity. These will provide important information on hydrogeologic characteristics of the aquifer and may provide indications of encroaching contaminants from other facilities not associated with IDF.

III.11.E.1.b After the baseline monitoring is completed, and data is analyzed, the Permittees and Ecology shall assess revisions to Chapter 5.0, Table 5-2. Subsequent samples will be collected annually and will include constituents listed in Table 5-2 as approved by Ecology. All data analysis will employ Ecology approved statistical methods pursuant to WAC 173-303-645. Changes to Chapter 5.0 will be subject to the permit modification procedures under WAC 173-303-830.

III.11.E.1.c All constituents used as tracers to assess performance of the facility through computer modeling should be sampled at least annually to validate modeling results. Groundwater monitoring data and analytes to be monitored will be reviewed periodically as defined in Chapter 5.0 of this Permit.

III.11.E.1.d Upon Ecology approval of the leachate monitoring plan, leachate monitoring and groundwater monitoring activities should be coordinated as approved by Ecology to form an effective and efficient means of monitoring the performance of the IDF facility.

III.11.E.1.e Groundwater monitoring data shall be reported to Ecology annually by July 31. The annual report shall include monitoring results for the 12-month period from January 1 through December 31.

III.11.F **LEACHATE COLLECTION COMPONENT MANAGEMENT**

Permittees shall design, construct, and operate all leachate collection systems to minimize clogging during the active life and post-closure period.

III.11.F.1 Leachate Collection and Removal System

III.11.F.1.a At least 120 days prior to initial waste placement in the IDF, the Permittees shall submit a Leachate monitoring plan to Ecology for review, approval, and incorporation into the permit. Upon approval by Ecology, this plan will be incorporated into the Permit as a class [1]1 modification. The Permittees shall not accept waste into the IDF until the requirements of the leachate monitoring plan have been incorporated into this Permit.

III.11.F.1.b Leachate in the LCRS (primary sump) shall be sampled and analyzed monthly for the first year of operation of the facility and quarterly thereafter (pursuant to WAC 173-303-200). Additionally, leachate shall be sampled and analyzed to meet waste acceptance criteria at the receiving Treatment Storage and Disposal Facility.

III.11.F.1.c Permittees shall manage the leachate in the LCRS in a manner that does not allow the fluid head to exceed 30.5 cm above the flat 50-foot by 50-foot LCRS sump HDPE bottom liner except for rare storm events as discussed in Chapter 4.0, §4.3.6.1 and the LCRS sump trough [WAC 173-303-665(2)(h)(ii)]. Liquid with a depth greater than 30.5 cm above the SLDS liner will be removed at the earliest practicable time after detection (not to exceed 5 working days).

III.11.F.1.d After initial waste placement, Permittees shall manage all leachate from the permitted cell as dangerous waste (designated with Dangerous Waste Number F039) in accordance with WAC 173-303.

III.11.F.2 Monitoring and Management of LDS (LDS/Secondary Sump)

III.11.F.2.a Permittees shall manage the leachate in the LDS in a manner that does not allow the fluid head to exceed 30.5 cm above the LDS liner [WAC 173-303-665(2)(h)(ii)].

III.11.F.2.b Permittees shall monitor and record leachate removal for comparison to the Action Leakage Rate (ALR) as described in Appendix 4C, Response Action Plan. If the leachate flow rate in the LDS exceeds the ALR, the Permittees shall implement the Ecology approved Response Action Plan (Appendix 4C).

III.11.F.2.c Leachate from the LDS (secondary sump) shall be sampled semi-annually if a pumpable quantity of leachate is available for sampling.

III.11.F.2.d Accumulated liquid of pumpable quantities in the LDS will be managed in a manner that does not allow the fluid head to exceed 30.5 cm above the LDS liner [WAC 173-303-665(2)(h)(ii) and (iii)]. Liquid with a depth greater than 30.5 cm above the LDS liner will be removed at the earliest practicable time after detection (not to exceed 5 working days).

III.11.F.3 Monitoring and Management of the SLDS

III.11.F.3.a At least 180 days prior to initial waste placement, the Permittees shall submit to Ecology for approval a Sub-Surface Liquids Monitoring and Operations Plan (SLMOP) for the SLDS to include the following: monitoring frequency, pressure transducer configuration, liquid collection and storage processes, sampling and analysis and response actions. The SLMOP shall be approved by Ecology prior to placement of waste in the IDF, and incorporated into the Permit as a Class [1]1 modification.

III.11.F.3.b Permittees shall monitor and manage the SLDS (tertiary sump) pursuant to the approved sub-surface liquids monitoring and operations plan.

III.11.F.3.c Accumulated liquid of pumpable quantities in the SLDS will be managed in a manner that does not allow the fluid head to exceed 30.5 cm above the SLDS liner [WAC 173-303-665(2)(h)(ii) and (iii)]. Liquid with a depth greater than 30.5 cm above the SLDS liner will be removed at the earliest practicable time after detection (not to exceed 5 working days).

III.11.F.3.d After initial waste placement, Permittees shall manage all leachate from the permitted cell as dangerous waste in accordance with WAC 173-303.

III.11.G CONSTRUCTION WATER MANAGEMENT

III.11.G.1 During construction, it is anticipated that liquids will accumulate on top of all liners and sumps. Permittees shall manage the construction wastewater in accordance with State Waste Discharge Permit ST-4511.

III.11.G.2 Liquid accumulation within the LCRS, LDS, and SLDS prior to initial waste placement will be considered construction wastewater (i.e., not leachate).

III.11.H LANDFILL LINER INTEGRITY MANAGEMENT & LANDFILL OPERATIONS

III.11.H.1 Permittees shall design, construct, and operate the landfill in a manner to protect the liners from becoming damaged. Temperature: waste packages with elevated temperatures shall be evaluated and managed in a manner to maintain the primary (upper) liner below the design basis temperature for the liner (e.g.,160 F). Weight: waste, fill material and closure cover shall be placed in a manner that does not exceed the allowable load bearing capacity of the liner (weight per area 13,000 lb/ft^2). Puncture: at least 3 feet of clean backfill material shall be placed as an operations layer over the leachate collection and removal system to protect the system from puncture damage.

III.11.H.1.a All equipment used for construction and operations inside of the IDF shall meet the weight limitation as specified in Permit Condition III.11.H.1. Only equipment that can be adequately supported by the operations layer as specified in Permit Condition III.11.H.1 (e.g., will not have the potential to puncture the liner) shall be used inside of the IDF. All equipment used for construction and operations outside of the IDF shall not damage the berms. Changes to any equipment will follow the process established by Condition II.R of the Site-wide permit. Within 120 days from the effective date for the permit, a process for demonstrating compliance with this condition shall be submitted for review by Ecology. This process will be incorporated into appropriate IDF operating procedures prior to IDF operations.

III.11.H.2 The Permittees shall construct berms and ditches to prevent run-on and run-off in accordance with the requirements of Chapter 4, Section 4.3.8 of the IDF portion of this Permit. Before the first placement of waste in the IDF, the Permittees shall submit to Ecology a final grading and topographical map on a scale sufficient to identify berms and ditches used to control run-on and run-off. Upon approval, Ecology will incorporate these maps into the permit as a Class [1]1 modification.

III.11.H.3 The Permittees shall operate the RCRA IDF Cell (Cell 1) in accordance with WAC 173-303-665(2) and the operating practices described in Chapters 3.0, 4.0, 6.0, 8.0, Addendum J.1, Addendum J.2, and Appendix 4A, §1, subsection 7, except as otherwise specified in this Permit.

III.11.H.4 The Permittees shall maintain a permanent and accurate record of the three-dimensional location of each waste type, based on grid coordinates, within the RCRA IDF Cell (Cell 1) in accordance with WAC 173-303-665(5).

III.11.I **WASTE ACCEPTANCE CRITERIA**

The only acceptable waste form approved for disposal at the RCRA cell of IDF are IDF operational waste, ILAW in glass form from the WTP Low-Activity Waste (LAW) Vitrification Facility and ILAW from the Bulk Vitrification Research Demonstration and Development Facility (up to 50 boxes). Specifics about waste acceptance criteria for each of these wastes are detailed below.

No other waste forms may be disposed at the RCRA cell of IDF unless authorized via a Final Permit modification decision. Requests for Permit modifications must be accompanied by an analysis adequate for Ecology to comply with State Environmental Policy Act (SEPA), as well as by a risk assessment and groundwater modeling to show the environmental impact. Permit Condition III.11.I.5 outlines the process by which waste sources in the IDF are modeled in an ongoing risk budget and a groundwater impact analysis.

III.11.I.1 Six months prior to IDF operations Permittees shall submit to Ecology for review, approval, and incorporation into the permit, all waste acceptance criteria to address, at a minimum, the following: physical/chemical criteria, liquids and liquid containing waste, land disposal restriction treatment standards and prohibitions, compatibility of waste with liner, gas generation, packaging, handling of packages, minimization of subsidence.

III.11.I.1.a All containers/packages shall meet void space requirements pursuant to WAC 173-303-665(12).

III.11.I.1.b Compliance Schedule

III.11.I.1.b.i Six months prior to IDF operations, the Permittees shall submit to Ecology for review, approval, and incorporation into the Permit any necessary modifications to the IDF "Waste Analysis Plan" (Chapters 3.0 of the IDF portion of this Permit).

III.11.I.2 ILAW Waste Acceptance Criteria

The only ILAW forms acceptable for disposal at IDF are: (1) approved glass canisters that are produced in accordance with the terms, conditions, and requirements of the WTP portion of the Permit, and (2) the 50 bulk vitrification test boxes as specified in the DBVS test plans.

To assure protection of human health and the environment, it is necessary that the appropriate quality of glass be disposed at IDF. The Land Disposal Restrictions (LDR) Treatment Standard for eight metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium and silver), when associated with High-Level Waste, is High Level VIT (HLVIT) (40 CFR 268). Because these metals are constituents in the Hanford Tanks Waste, the LDR standard for ILAW disposed to IDF is HLVIT.

For any ILAW glass form(s) that the United States Department of Energy (DOE) intends to dispose of in IDF, DOE will provide to Ecology for review, an ILAW Waste Form Technical Requirements Document (IWTRD). The IWTRD will contain:

III.11.I.2.a WTP ILAW Waste Acceptance Criteria

III.11.I.2.a.i A description of each specific glass formulation that DOE intends to use including a basis for why each specific formulation is proposed for use, which specific tank wastes the glass formulation is proposed for use with, the characteristics of the glass that are key to satisfactory performance (e.g., Vapor Hydration Test [VHT], Product Consistency Test [PCT], and Toxicity Characteristic Leaching Procedure [TCLP] and/or other approved performance testing methodologies that the parties agree are appropriate and necessary), the range in key characteristics anticipated if the specific glass formulation is produced on a production basis with tank waste, and the factors that DOE must protect against in producing the glass to ensure the intended glass characteristics will exist in the actual ILAW.

III.11.I.2.a.ii A performance assessment that provides a reasonable basis for assurance that each glass formulation will, once disposed of in IDF in combination with the other waste volumes and waste forms planned for disposal at the entire IDF, be adequately protective of human health and the environment; and will not violate or be projected to violate all applicable state and federal laws, regulations and environmental standards.

Within 60 days of a request by Ecology, the Permittees shall provide a separate model run using Ecology's assumptions and model input.

III.11.I.2.a.iii A description of production processes including management controls and quality assurance/quality control requirements that assure that glass produced for each formulation will perform in a reasonably similar manner to the waste form assumed in the performance assessment for that formulation.

The Permittees shall update the IWTRD consistent with the above requirements for review by Ecology consistent with their respective roles and authority as provided under the Tri-Party Agreement (TPA). Ecology comments shall be dispositioned through the Review Comment Record (RCR) process and will be reflected in further modeling to modify the IDF ILAW Chapter 3.0, "Waste Analysis Plan" as appropriate.

The initial IWTRD contained glass formulation data as required by Permit Condition III.11.I.2.a.i, and was submitted on December 18, 2006 (AR Accession # 0906020182). The performance assessment required by Permit Condition III.11.I.2.a.ii, and the quality assurance/quality control requirements process required by Permit Condition III.11.I.2.a.iii shall be submitted for Ecology review as soon as possible after issuance of the Final Tank Closure and Waste Management Environment Impact Statement (EIS) and receipt of underlying codes and data packages, and at least 180 days prior to the date DOE expects to receive waste at IDF. At a minimum, the Permittees shall submit updates to the IWTRD to Ecology every five years or more frequently with the next one due June 30, 2015, if any of the following conditions exist:

- The Permittees submits a permit modification request allowing additional waste forms to be disposed of at IDF.
- The WTP or other vitrification facility change their glass formulations from those previously included in the IWTRD.
- An unanticipated event or condition occurs that Ecology determines would warrant an update to the IWTRD.

III.11.I.2.a.iv The Permittees shall not dispose of any WTP ILAW not described and evaluated in the IWTRD.

III.11.I.3 ILAW Waste Acceptance Criteria Verification

III.11.I.3.a Six months prior to disposing of ILAW in the IDF, the Permittees will submit an ILAW verification plan to Ecology for review and approval. This plan will be coordinated with WTP, Ecology, and the Permittees personnel. This plan will outline the specifics of verifying ILAW waste acceptance through WTP operating parameters, and/or glass sampling. The plan will include physical sampling requirements for batches, glass formulations, and/or feed envelopes.

III.11.I.4 DBVS Bulk Vitrification Waste Acceptance Criteria

III.11.I.4.a Bulk Vitrification waste forms that are acceptable to be disposed of at IDF are up to 50 boxes of vitrified glass produced pursuant to the DBVS Research, Development, and Demonstration (RD&D) Permit from processing Hanford Tank S-109 tank waste.

III.11.I.4.b If Bulk Vitrification is selected as a technology to supplement the WTP, the IDF portion of the Permit will need to be modified to accept Bulk Vitrification Full Scale production waste forms. This modification will need to be accompanied by appropriate TPA changes (per M-062 requirements) and adequate risk assessment information sufficient for Ecology to meet its SEPA obligations.

III.11.I.4.c DBVS Waste Acceptance Verification will occur on 100% of the waste packages. Pursuant to the DBVS RD&D Permit, a detailed campaign test report will be produced and submitted to Ecology detailing results of all testing performed on each waste package that is produced. IDF personnel shall review these reports to verify that the waste packages meet IDF Waste Acceptance Criteria.

III.11.I.4.d The Permittees shall not dispose of any waste forms that do not comply with all appropriate and applicable treatment standards, including all applicable LDR.

III.11.I.5 Modeling–Risk Budget Tool

III.11.I.5.a The Permittees must create and maintain a modeling–risk budget tool, which models the future impacts of the planned IDF waste forms (including input from analyses performed as specified in Permit Conditions III.11.I.2.a through III.11.I.2.a.ii) and their impact to underlying vadose and groundwater. This software tool will be submitted for Ecology review as soon as possible after issuance of Final Tank Closure and Waste Management EIS and receipt of underlying codes and data packages, and at least 180 days prior to the date DOE expects to receive waste at IDF. The risk budget tool shall be updated at least every 5 years. The model will be updated more frequently if needed, to support permit modifications or SEPA Threshold Determinations whenever a new waste stream or significant expansion is being proposed for the IDF. This risk budget tool shall be conducted in manner that is consistent with state and federal requirements, and represents a risk analysis of all waste previously disposed of in the entire IDF (both cell 1 and cell 2) and those wastes expected to be disposed of in the future for the entire IDF to determine cumulative impacts. The groundwater impact should be modeled to evaluate fate and transport in the groundwater aquifer(s) and should be compared against various performance standards including but not limited to drinking water standards (40 CFR 141 and 40 CFR 143). Ecology will review modeling assumptions, input parameters, and results and will provide comments to the Permittees. Ecology comments shall be dispositioned through the RCR process and will be reflected in further modeling to modify the IDF ILAW waste acceptance criteria as appropriate.

III.11.I.5.a.i The modeling-risk budget tool will include a sensitivity analysis reflecting parameters and changes to parameters as requested by Ecology.

III.11.I.5.a.ii If these modeling efforts indicate results within 75% of a performance standard (including but not limited to federal drinking water standards [40 CFR 141 and 40 CFR 143]), Ecology and the Permittees will meet to discuss mitigation measures or modified waste acceptance criteria for specific waste forms.

III.11.I.5.a.iii When considering all the waste forms to be disposed of in IDF, the Permittees shall not dispose of any waste that will result (through forward-looking modeling or in real groundwater concentrations data) in a violation of any state or federal regulatory limit, specifically including but not limited to drinking water standards for any constituent as defined in 40 CFR 141 and 40 CFR 143.

III.11.I.6 The Permittees shall not dispose of any waste that is not in compliance with state and federal requirements as identified in Chapter 13.0.

III.11.I.6.a In accordance with DOE's authority under the *Atomic Energy Act of 1954*, as amended and other applicable law, prior to disposing of any mixed ILAW in the IDF, DOE will certify to the State of Washington that it has determined that such ILAW is not High-Level Waste and meets the criteria and requirements outlined in DOE's consultation with the U.S. Nuclear Regulatory Commission (USNRC) beginning in 1993 (Letter from R.M. Bernero, USNRC to J. Lytle, DOE, dated March 2, 1993; Letter from J. Kinzer, USDOE, to C. J. Paperiello, USNRC, Classification of Hanford Low-Activity Tank Waste Fraction, dated March 7, 1996; and Letter from C.J. Paperiello, USNRC, to J. Kinzer, DOE, Classification of Hanford Low-Activity Tank Waste Fraction, dated June 9, 1997). While the requirement to provide such certification is an enforceable obligation of this Permit, the provision of such certification does not convey, or purport to convey, authority to Ecology to regulate the radioactive hazards of the waste under this permit.

III.11.I.7 IDF Operational Waste Acceptance Criteria

III.11.I.7.a IDF operational activities (including decontamination, cleanup, and maintenance) will generate a small amount of waste. Waste that can meet IDF waste acceptance without treatment will be disposed of at the IDF. All other IDF operational waste will be managed pursuant to WAC 173-303-200.

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)

☒	**Request modification to a final status permit (commonly called a "Part B" permit)**
☐	**Request a change under interim status**
☐	**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).**
☐	**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

2440 Stevens Drive

City or Town	State	ZIP Code
Richland	WA	99354

County Code (if known)	County Name
0 0 5	Benton

B. Land Type	C. Geographic Location Latitude (degrees, mins, secs)	Longitude (degrees, mins, secs)	D. Facility Existence Date 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)**	
Vance	Brian	
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 Central Plateau Cleanup Company LLC Co-Operator for Integrated Disposal Facility*	(509) 376-7395 (509) 372-3845*
Street or P.O. Box	
P.O. Box 550 P.O. Box 1464*	

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? ☒ Yes ☐ No Co-Operator* change

If yes, provide the scheduled date for the change:

Month		Day		Year			
0	1	2	5	2	0	2	1

D. Is the name listed in VII.A. also the owner? If yes, skip to Section VIII.C. ☒ Yes ☐ No

VIII. Facility Owner Information		
A. Name	**Phone Number (area code and number)**	
Brian T. Vance, 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? ☐ Yes ☒ No

If yes, provide the scheduled date for the change:

Month		Day		Year			

IX. NAICS Codes (5/6 digit codes)

A. First							B. Second						
5	6	2	2	1		Waste Treatment & Disposal	9	2	4	1	1	0	Administration of Air & Water Resource & Solid Waste Management Programs
C. Third							**D. Fourth**						
5	4	1	7	1		Research & Development in the Physical, Engineering, & Life Sciences							

X. Other Environmental Permits (see instructions)

A. Permit Type	B. Permit Number	C. Description

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

The Integrated Disposal Facility (IDF) is an expandable lined landfill located in the 200 East Area of the Hanford Facility. The landfill is divided lengthwise into distinct east and west cells, one for disposal of low-level radioactive waste (the east cell) and the other for disposal of mixed waste (the west cell). The cell for disposal of low-level radioactive waste is outside the scope of this permit.

Mixed waste disposed at the IDF is currently limited to vitrified low-activity waste (LAW) from the Waste Treatment Plant (WTP) and Demonstration Bulk Vitrification System (DBVS). Additionally, mixed waste generated by IDF operations will be disposed of in IDF. (The IDF Permit requires modification if other waste streams are proposed for disposal.) The vitrified waste form generated by both the WTP and the DBVS facilities is known as Immobilized Low Activity Waste (ILAW) . The amount shown in Section XII of 8.2-hectare meters (82,000 cubic meters) is the waste capacity of the initial construction. The amount will be revised as required for future expansion to accommodate the entire waste volume through an approved permit modification.

D80

Mixed radioactive high level wastes stored in the Double-Shell and Single-Shell Tank System carry the characteristic dangerous waste numbers D002, and D004 through D011 . The specified technology based treatment standard for high-level radioactive waste as described in 40 CFR 268.40 (vitrification) will be used to produce the waste form that will be placed in steel canisters or steel boxes. Tank waste will meet this vitrification standard as the waste exits at the Waste Treatment Plant or Demonstration Bulk Vitrification System Facility. (Permit conditions for the WTP and DBVS require that the D001 and D003 waste codes be removed prior to the waste stream entering these facilities.)

IDF operational activities (including decontamination, cleanup, and maintenance) will generate a small amount of waste. Waste that can meet IDF waste acceptance without treatment will be buried at the IDF. All other IDF operational waste will be managed pursuant to WAC 173-303-200 and either sent to a 90-day accumulation area or directly to another permitted TSD for treatment. Treated IDF operational waste will either be buried at IDF or sent to another permitted Hanford TSD for final disposition.

S01

Process Code S01 (container storage) has been included within this Part A Form in the event that storage is required before final disposal (e.g., to support the staging and confirmation process of the waste or cooling of vitrified waste if required).

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

Section XII. Process Codes and Design Capacities								Section XIII. Other Process Codes								
Line Number		A. Process Codes (enter code)			B. Process Design Capacity		C. Process Total Number of Units	Line Number		A. Process Codes (enter code)			B Process Design Capacity		C. Process Total Number of Units	D. Process Description
					1. Amount	2. Unit of Measure (enter code)							1. Amount	2. Unit of Measure (enter code)		
X	1	S	0	2	1,600	G	002	X	1	T	0	4	700	C	001	In situ vitrification
X	2	T	0	3	20	E	001									
X	3	T	0	4	700	C	001									
	1	D	8	0	8.2	F	1		1							
	2	S	0	1	*	*	1		2							
	3								3							
	4								4							
	5								5							
	6								6							
	7								7							
	8								8							
	9								9							
1	0							1	0							
1	1							1	1							
1	2							1	2							
1	3							1	3							
1	4							1	4							
1	5							1	5							
1	6							1	6							
1	7							1	7							
1	8							1	8							
1	9							1	9							
2	0							2	0							
2	1							2	1							
2	2							2	2							
2	3							2	3							
2	4							2	4							
2	5							2	5							

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	2	20,000,000	K	D	8	0							Includes Debris
2	D	0	0	4		K	D	8	0							Includes Debris
3	D	0	0	5		K	D	8	0							Includes Debris
4	D	0	0	6		K	D	8	0							Includes Debris
5	D	0	0	7		K	D	8	0							Includes Debris
6	D	0	0	8		K	D	8	0							Includes Debris
7	D	0	0	9		K	D	8	0							Includes Debris
8	D	0	1	0		K	D	8	0							Includes Debris
9	D	0	1	1		K	D	8	0							Includes Debris
10	D	0	1	8		K	D	8	0							Includes Debris
11	D	0	1	9		K	D	8	0							Includes Debris
12	D	0	2	2		K	D	8	0							Includes Debris
13	D	0	2	8		K	D	8	0							Includes Debris
14	D	0	2	9		K	D	8	0							Includes Debris
15	D	0	3	0		K	D	8	0							Includes Debris
16	D	0	3	3		K	D	8	0							Includes Debris
17	D	0	3	4		K	D	8	0							Includes Debris
18	D	0	3	5		K	D	8	0							Includes Debris
19	D	0	3	6		K	D	8	0							Includes Debris
20	D	0	3	8		K	D	8	0							Includes Debris
21	D	0	3	9		K	D	8	0							Includes Debris
22	D	0	4	0		K	D	8	0							Includes Debris
23	D	0	4	1		K	D	8	0							Includes Debris
24	D	0	4	3		K	D	8	0							Includes Debris
25	W	T	0	1		K	D	8	0							Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

Continuation of Section XIV. Description of Dangerous Waste

Line Number	A. Dangerous Waste No. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Process									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
26	W	T	0	2		K	D	8	0							Includes Debris
27	W	P	0	1		K	D	8	0							Includes Debris
28	W	P	0	2		K	D	8	0							Includes Debris
29	F	0	0	1		K	D	8	0							Includes Debris
30	F	0	0	2		K	D	8	0							Includes Debris
31	F	0	0	3		K	D	8	0							Includes Debris
32	F	0	0	4		K	D	8	0							Includes Debris
33	F	0	0	5		K	D	8	0							Includes Debris
34	F	0	3	9		K	D	8	0							Includes Debris
35	D	0	0	1	600,000*	K	S	0	1*							Includes Debris
36	D	0	0	2		K	S	0	1*							Includes Debris
37	D	0	0	3		K	S	0	1*							Includes Debris
38	D	0	0	4		K	S	0	1*							Includes Debris
39	D	0	0	5		K	S	0	1*							Includes Debris
40	D	0	0	6		K	S	0	1*							Includes Debris
41	D	0	0	7		K	S	0	1*							Includes Debris
42	D	0	0	8		K	S	0	1*							Includes Debris
43	D	0	0	9		K	S	0	1*							Includes Debris
44	D	0	1	0		K	S	0	1*							Includes Debris
45	D	0	1	1		K	S	0	1*							Includes Debris
46	D	0	1	8		K	S	0	1*							Includes Debris
47	D	0	1	9		K	S	0	1*							Includes Debris
48	D	0	2	2		K	S	0	1*							Includes Debris
49	D	0	2	8		K	S	0	1*							Includes Debris
50	D	0	2	9		K	S	0	1*							Includes Debris
51	D	0	3	0		K	S	0	1*							Includes Debris
52	D	0	3	3		K	S	0	1*							Includes Debris
53	D	0	3	4		K	S	0	1*							Includes Debris
54	D	0	3	5		K	S	0	1*							Includes Debris
55	D	0	3	6		K	S	0	1*							Includes Debris
56	D	0	3	8		K	S	0	1*							Includes Debris
57	D	0	3	9		K	S	0	1*							Includes Debris
58	D	0	4	0		K	S	0	1*							Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

Continuation of Section XIV. Description of Dangerous Waste

Line Number	A. Dangerous Waste No. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Process									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
59	D	0	4	1		K	S	0	1*							Includes Debris
60	D	0	4	3		K	S	0	1*							Includes Debris
61	W	T	0	1		K	S	0	1*							Includes Debris
62	W	T	0	2		K	S	0	1*							Includes Debris
63	W	P	0	1		K	S	0	1*							Includes Debris
64	W	P	0	2		K	S	0	1*							Includes Debris
65	F	0	0	1		K	S	0	1*							Includes Debris
66	F	0	0	2		K	S	0	1*							Includes Debris
67	F	0	0	3		K	S	0	1*							Includes Debris
68	F	0	0	4		K	S	0	1*							Includes Debris
69	F	0	0	5		K	S	0	1*							Includes Debris
70	F	0	3	9		K	S	0	1*							Includes Debris
71																
72																
73																
74																
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90																

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).

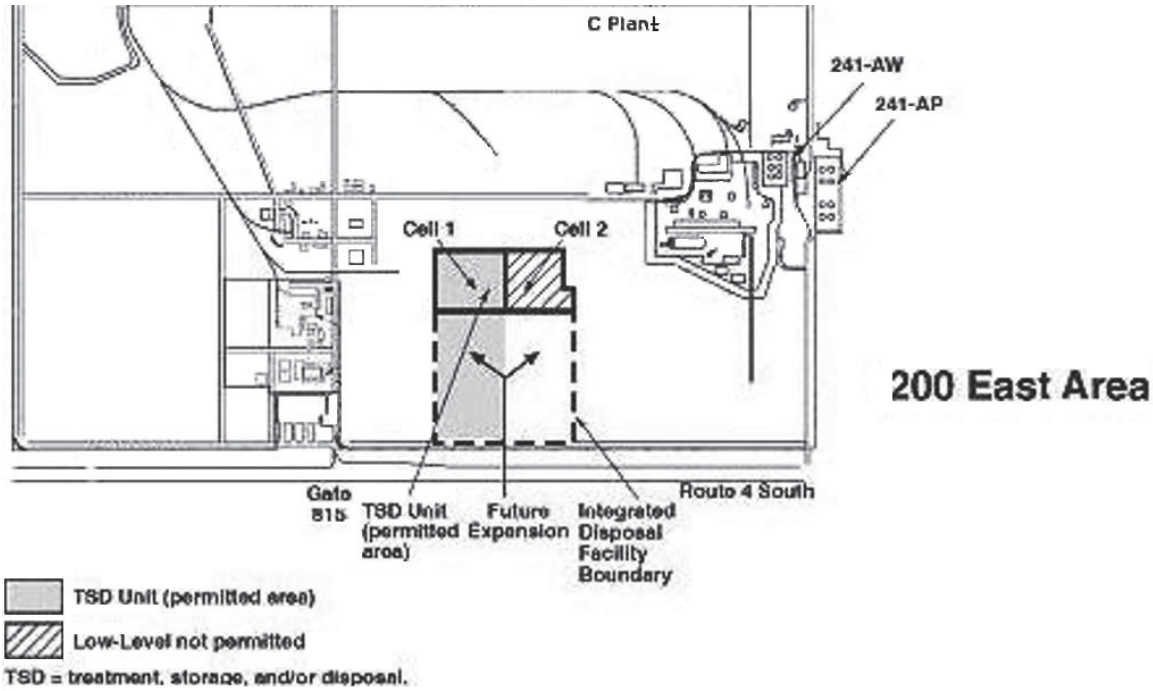
XVIII. Certifications

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.

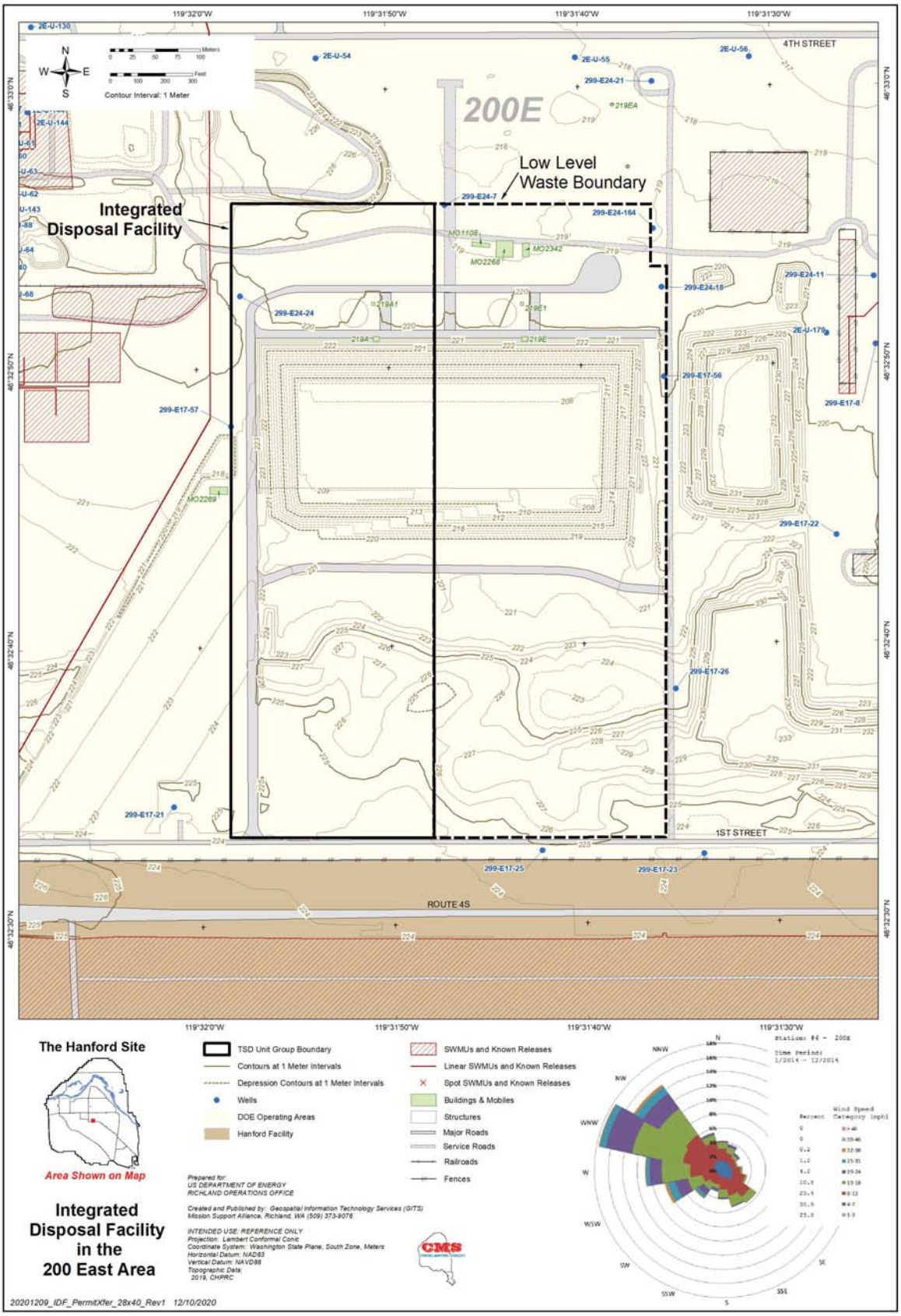
Operator Name and Official Title (type or print) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature** BT. V	**Date Signed** 1/22/2021
Co-Operator* Name and Official Title (type or print) Scott Sax, President and Project Manager Central Plateau Cleanup Company LLC	**Signature** SCOTT SAX (Affiliate) Digitally signed by SCOTT SAX (Affiliate) Date: 2021.01.20 04:57:08 -08'00'	**Date Signed**
Co-Operator – Address and Telephone Number* P.O. Box 1464 Richland, WA 99352 (509) 372-3845		
Facility-Property Owner Name and Official Title (type or print) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature** BT. V	**Date Signed** 1/22/2021

Comments
In Section IV, Facility Location is revised to update the facility location. In Section VI, Facility contact is revised to update the DOE-RL contact. In Section VII, Facility Operator Information is revised to update change in Co-Operator. In Section VIII, Facility Owner Information is revised to update facility owner name. In Section XVIII, "Certifications" is revised to update Operator Name, Co-Operator name, and Facility-Property Owner name. The topographic map for the unit is updated to reflect the current mapping conventions. The changes in these sections and the topographic map will be effective January 25, 2021. No other changes have been made to the Part A form sections. The certification is limited to the changes effective January 25, 2021.

Integrated Disposal Facility



IDF 200 East Area Locational References


119°32'0"W
119°31'50"W
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119°31'30"W
46°33'0"N
46°32'50"N
46°32'40"N
46°32'30"N
N
S
E
W
Meters
Feet
Contour Interval: 1 Meter
4TH STREET
1ST STREET
ROUTE 4S
200E
Low Level
Waste Boundary
Integrated
Disposal Facility
2E-U-130
2E-U-54
2E-U-55
2E-U-56
2E-U-144
299-E24-21
219EA
299-E24-7
299-E24-164
MO1108
MO2342
MO2268
299-E24-18
299-E24-11
2E-U-179
299-E24-24
219A1
219E1
219A
219E
299-E17-56
299-E17-8
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Area Shown on Map
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in the
200 East Area
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SWMUs and Known Releases
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Buildings & Mobiles
Structures
Major Roads
Service Roads
Railroads
Fences
Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
Created and Published by: Geospatial Information Technology Services (GITS)
Mission Support Alliance, Richland, WA (509) 373-9076
INTENDED USE: REFERENCE ONLY
Projection: Lambert Conformal Conic
Coordinate System: Washington State Plane, South Zone, Meters
Horizontal Datum: NAD83
Vertical Datum: NAVD88
Topographic Data:
2019, CHPRC
CMS
Station: 86 - 200E
Time Period:
1/2014 - 12/2014
Wind Speed
Category (mph)
N
NNW
NW
WNW
W
WSW
SW
SSW
S
SSE
SE
20201209_IDF_PermitXfer_28x40_Rev1 12/10/2020

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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)

☒	**Request modification to a final status permit (commonly called a "Part B" permit)**
☐	**Request a change under interim status**
☐	**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).**
☐	**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~~2440 Stevens Drive

City or Town	State	ZIP Code
Richland	WA	99352~~4~~

County Code (if known)	County Name
0 0 5	Benton

B. Land Type	C. Geographic Location Latitude (degrees, mins, secs)	Longitude (degrees, mins, secs)	D. Facility Existence Date Month Day Year
F	Refer to TOPO Map (Section XV.)		0 3 0 2 1 9 4 3

V. Facility Mailing Address

Street or P.O. Box

P.O. Box 550

City or Town	State	ZIP Code
Richland	WA	99352

VI. Facility contact (Person to be contacted regarding waste activities at facility)	
Name (last)	**(first)**
~~Brockman~~Vance	~~David~~Brian
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 Central Plateau Cleanup Company LLC ~~CH2M HILL Plateau Remediation Company~~ Co-Operator for Integrated Disposal Facility*	(509) 376-7395 (509) ~~376-0556~~372-3845*
Street or P.O. Box	
P.O. Box 550 P.O. Box ~~1600~~1464 *	

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?	☒ Yes ☐ No Co-Operator* change
If yes, provide the scheduled date for the change:	Month 0 1 Day 2 5 Year 2 0 2 1
D. Is the name listed in VII.A. also the owner? If yes, skip to Section VIII.C.	☒ Yes ☐ No

VIII. Facility Owner Information	
A. Name	**Phone Number (area code and number)**
~~David A. Brockman~~Brian T. Vance, 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?	☐ Yes ☒ No
If yes, provide the scheduled date for the change:	Month Day Year

IX. NAICS Codes (5/6 digit codes)													
A. First							**B. Second**						
5	6	2	2	1		Waste Treatment & Disposal	9	2	4	1	1	0	Administration of Air & Water Resource & Solid Waste Management Programs
C. Third							**D. Fourth**						
5	4	1	7	1		Research & Development in the Physical, Engineering, & Life Sciences							

X. Other Environmental Permits (see instructions)

A. Permit Type	B. Permit Number	C. Description

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

The Integrated Disposal Facility (IDF) is an expandable lined landfill located in the 200 East Area of the Hanford Facility. The landfill is divided lengthwise into distinct east and west cells, one for disposal of low-level radioactive waste (the east cell) and the other for disposal of mixed waste (the west cell). The cell for disposal of low-level radioactive waste is outside the scope of this permit.

Mixed waste disposed at the IDF is currently limited to vitrified low-activity waste (LAW) from the Waste Treatment Plant (WTP) and Demonstration Bulk Vitrification System (DBVS). Additionally, mixed waste generated by IDF operations will be disposed of in IDF. (The IDF Permit requires modification if other waste streams are proposed for disposal.) The vitrified waste form generated by both the WTP and the DBVS facilities is known as Immobilized Low Activity Waste (ILAW) . The amount shown in Section XII of 8.2-hectare meters (82,000 cubic meters) is the waste capacity of the initial construction. The amount will be revised as required for future expansion to accommodate the entire waste volume through an approved permit modification.

D80

Mixed radioactive high level wastes stored in the Double-Shell and Single-Shell Tank System carry the characteristic dangerous waste numbers D002, and D004 through D011 . The specified technology based treatment standard for high-level radioactive waste as described in 40 CFR 268.40 (vitrification) will be used to produce the waste form that will be placed in steel canisters or steel boxes. Tank waste will meet this vitrification standard as the waste exits at the Waste Treatment Plant or Demonstration Bulk Vitrification System Facility. (Permit conditions for the WTP and DBVS require that the D001 and D003 waste codes be removed prior to the waste stream entering these facilities.)

IDF operational activities (including decontamination, cleanup, and maintenance) will generate a small amount of waste. Waste that can meet IDF waste acceptance without treatment will be buried at the IDF. All other IDF operational waste will be managed pursuant to WAC 173-303-200 and either sent to a 90-day accumulation area or directly to another permitted TSD for treatment. Treated IDF operational waste will either be buried at IDF or sent to another permitted Hanford TSD for final disposition.

S01

Process Code S01 (container storage) has been included within this Part A Form in the event that storage is required before final disposal (e.g., to support the staging and confirmation process of the waste or cooling of vitrified waste if required).

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

Section XII. Process Codes and Design Capacities								Section XIII. Other Process Codes								
Line Number		A. Process Codes (enter code)			B. Process Design Capacity		C. Process Total Number of Units	Line Number		A. Process Codes (enter code)			B Process Design Capacity		C. Process Total Number of Units	D. Process Description
					1. Amount	2. Unit of Measure (enter code)							1. Amount	2. Unit of Measure (enter code)		
X	1	S	0	2	1,600	G	002	X	1	T	0	4	700	C	001	In situ vitrification
X	2	T	0	3	20	E	001									
X	3	T	0	4	700	C	001									
	1	D	8	0	8.2	F	1		1							
	2	S	0	1	*	*	1		2							
	3								3							
	4								4							
	5								5							
	6								6							
	7								7							
	8								8							
	9								9							
1	0							1	0							
1	1							1	1							
1	2							1	2							
1	3							1	3							
1	4							1	4							
1	5							1	5							
1	6							1	6							
1	7							1	7							
1	8							1	8							
1	9							1	9							
2	0							2	0							
2	1							2	1							
2	2							2	2							
2	3							2	3							
2	4							2	4							
2	5							2	5							

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	2	20,000,000	K	D	8	0							Includes Debris
2	D	0	0	4		K	D	8	0							Includes Debris
3	D	0	0	5		K	D	8	0							Includes Debris
4	D	0	0	6		K	D	8	0							Includes Debris
5	D	0	0	7		K	D	8	0							Includes Debris
6	D	0	0	8		K	D	8	0							Includes Debris
7	D	0	0	9		K	D	8	0							Includes Debris
8	D	0	1	0		K	D	8	0							Includes Debris
9	D	0	1	1		K	D	8	0							Includes Debris
10	D	0	1	8		K	D	8	0							Includes Debris
11	D	0	1	9		K	D	8	0							Includes Debris
12	D	0	2	2		K	D	8	0							Includes Debris
13	D	0	2	8		K	D	8	0							Includes Debris
14	D	0	2	9		K	D	8	0							Includes Debris
15	D	0	3	0		K	D	8	0							Includes Debris
16	D	0	3	3		K	D	8	0							Includes Debris
17	D	0	3	4		K	D	8	0							Includes Debris
18	D	0	3	5		K	D	8	0							Includes Debris
19	D	0	3	6		K	D	8	0							Includes Debris
20	D	0	3	8		K	D	8	0							Includes Debris
21	D	0	3	9		K	D	8	0							Includes Debris
22	D	0	4	0		K	D	8	0							Includes Debris
23	D	0	4	1		K	D	8	0							Includes Debris
24	D	0	4	3		K	D	8	0							Includes Debris
25	W	T	0	1		K	D	8	0							Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

Continuation of Section XIV. Description of Dangerous Waste

Line Number	A. Dangerous Waste No. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Process									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
26	W	T	0	2		K	D	8	0							Includes Debris
27	W	P	0	1		K	D	8	0							Includes Debris
28	W	P	0	2		K	D	8	0							Includes Debris
29	F	0	0	1		K	D	8	0							Includes Debris
30	F	0	0	2		K	D	8	0							Includes Debris
31	F	0	0	3		K	D	8	0							Includes Debris
32	F	0	0	4		K	D	8	0							Includes Debris
33	F	0	0	5		K	D	8	0							Includes Debris
34	F	0	3	9		K	D	8	0							Includes Debris
35	D	0	0	1	600,000*	K	S	0	1*							Includes Debris
36	D	0	0	2		K	S	0	1*							Includes Debris
37	D	0	0	3		K	S	0	1*							Includes Debris
38	D	0	0	4		K	S	0	1*							Includes Debris
39	D	0	0	5		K	S	0	1*							Includes Debris
40	D	0	0	6		K	S	0	1*							Includes Debris
41	D	0	0	7		K	S	0	1*							Includes Debris
42	D	0	0	8		K	S	0	1*							Includes Debris
43	D	0	0	9		K	S	0	1*							Includes Debris
44	D	0	1	0		K	S	0	1*							Includes Debris
45	D	0	1	1		K	S	0	1*							Includes Debris
46	D	0	1	8		K	S	0	1*							Includes Debris
47	D	0	1	9		K	S	0	1*							Includes Debris
48	D	0	2	2		K	S	0	1*							Includes Debris
49	D	0	2	8		K	S	0	1*							Includes Debris
50	D	0	2	9		K	S	0	1*							Includes Debris
51	D	0	3	0		K	S	0	1*							Includes Debris
52	D	0	3	3		K	S	0	1*							Includes Debris
53	D	0	3	4		K	S	0	1*							Includes Debris
54	D	0	3	5		K	S	0	1*							Includes Debris
55	D	0	3	6		K	S	0	1*							Includes Debris
56	D	0	3	8		K	S	0	1*							Includes Debris
57	D	0	3	9		K	S	0	1*							Includes Debris
58	D	0	4	0		K	S	0	1*							Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

Continuation of Section XIV. Description of Dangerous Waste

Line Number	A. Dangerous Waste No. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Process									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
59	D	0	4	1		K	S	0	1*							Includes Debris
60	D	0	4	3		K	S	0	1*							Includes Debris
61	W	T	0	1		K	S	0	1*							Includes Debris
62	W	T	0	2		K	S	0	1*							Includes Debris
63	W	P	0	1		K	S	0	1*							Includes Debris
64	W	P	0	2		K	S	0	1*							Includes Debris
65	F	0	0	1		K	S	0	1*							Includes Debris
66	F	0	0	2		K	S	0	1*							Includes Debris
67	F	0	0	3		K	S	0	1*							Includes Debris
68	F	0	0	4		K	S	0	1*							Includes Debris
69	F	0	0	5		K	S	0	1*							Includes Debris
70	F	0	3	9		K	S	0	1*							Includes Debris
71																
72																
73																
74																
75																
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82																
83																
84																
85																
86																
87																
88																
89																
90																

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.
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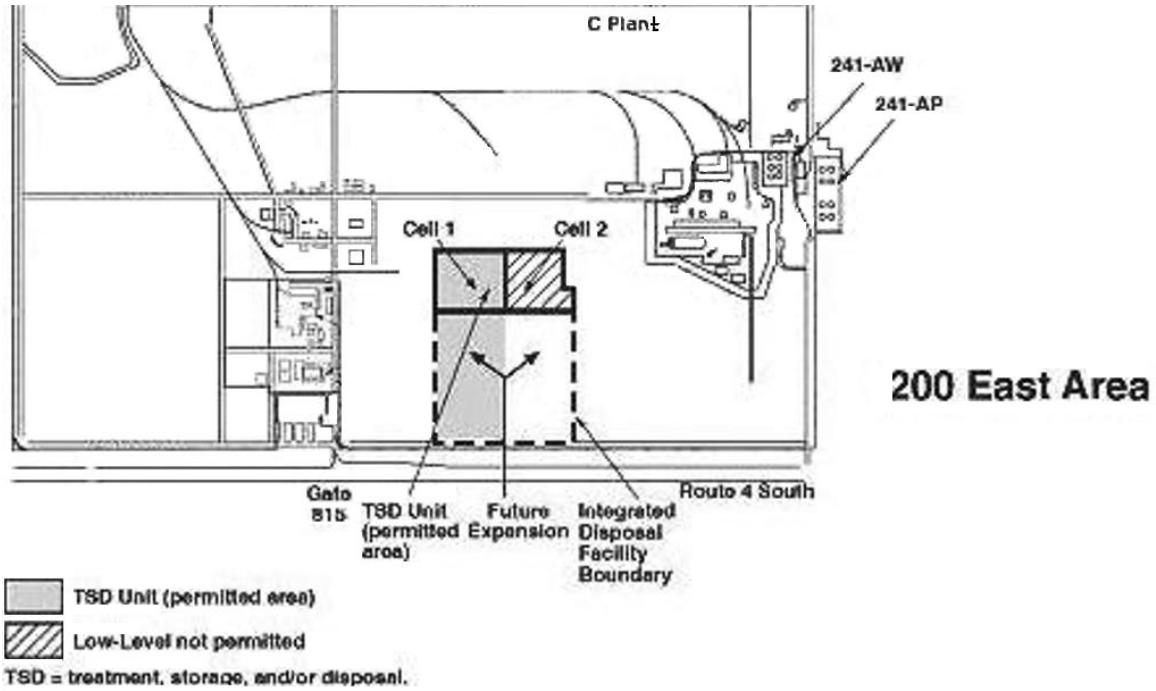
XVIII. Certifications		
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		
Operator Name and Official Title (type or print) ~~David A. Brockman~~Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature**	**Date Signed**
Co-Operator* Name and Official Title (type or print) ~~John G. Lehew, III~~Scott Sax, President and Project Manager~~Chief Executive Officer~~ Central Plateau Cleanup Company LLC ~~CH2M HILL Plateau Remediation Company~~	**Signature**	**Date Signed**
Co-Operator – Address and Telephone Number* P.O. Box ~~1600~~1464 Richland, WA 99352 (509) ~~376-0556~~372-3845		
Facility-Property Owner Name and Official Title (type or print) ~~David A. Brockman~~Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature**	**Date Signed**

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.~~ **In Section IV, Facility Location is revised to update the facility location. In Section VI, Facility contact is revised to update the DOE-RL contact. In Section VII, Facility Operator Information is revised to update change in Co-Operator. In Section VIII, Facility Owner Information is revised to update facility owner name. In Section XVIII, "Certifications" is revised to update Operator Name, Co-Operator name, and Facility-Property Owner name. The topographic map for the unit is updated to reflect the current mapping conventions. The changes in these sections and the topographic map will be effective January 25, 2021. No other changes have been made to the Part A form sections. The certification is limited to the changes effective January 25, 2021.**



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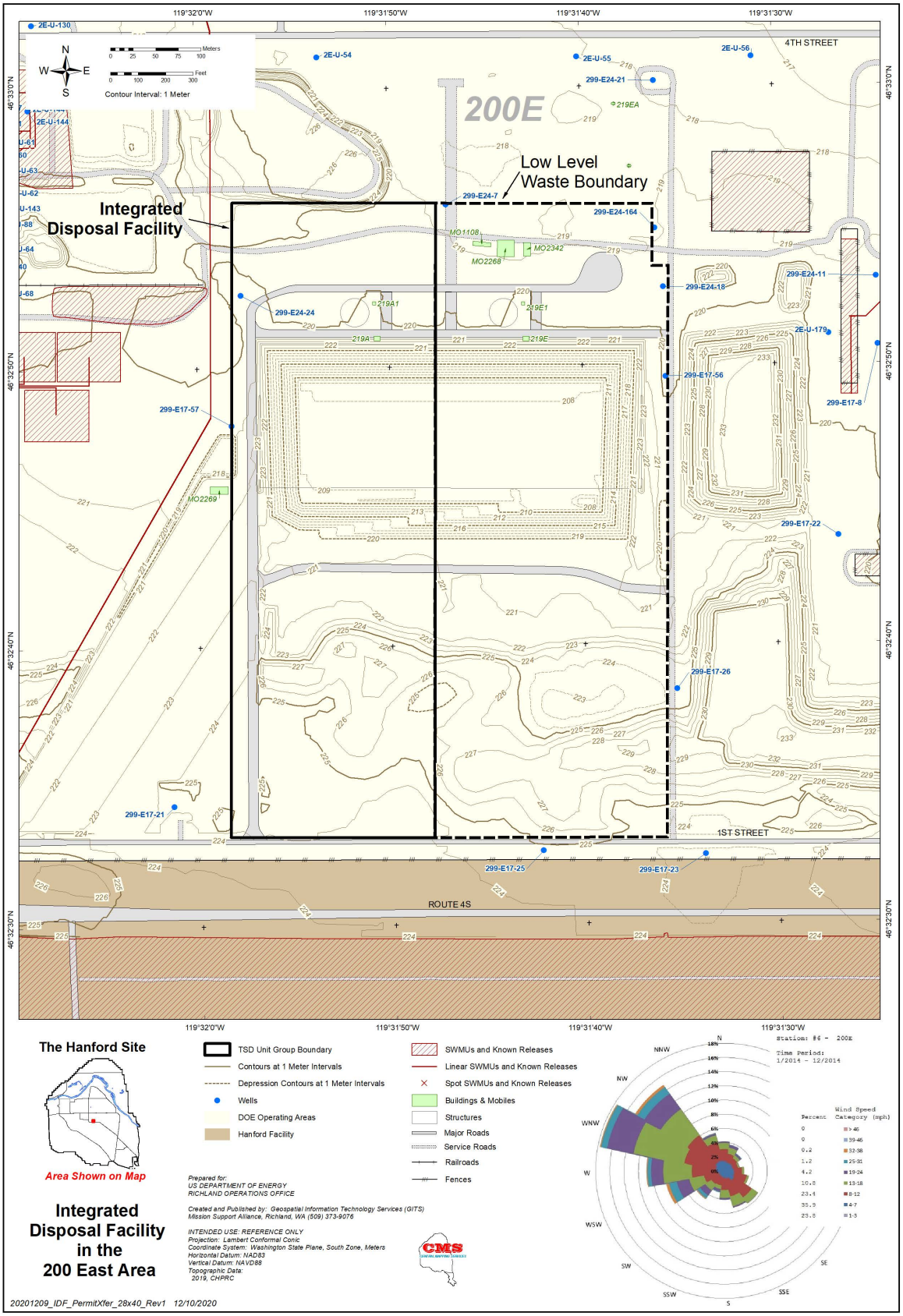
119°32'0"W
119°31'50"W
119°31'40"W
119°31'30"W
46°33'0"N
46°32'50"N
46°32'40"N
46°32'30"N
Meters
Feet
Contour Interval: 1 Meter
4TH STREET
1ST STREET
ROUTE 4S
200E
Low Level
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Integrated
Disposal Facility
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2E-U-54
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299-E24-164
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MO2342
MO2268
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299-E24-24
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Railroads
Fences
Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
Created and Published by: Geospatial Information Technology Services (GITS)
Mission Support Alliance, Richland, WA (509) 373-9076
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Projection: Lambert Conformal Conic
Coordinate System: Washington State Plane, South Zone, Meters
Horizontal Datum: NAD83
Vertical Datum: NAVD88
Topographic Data:
2019, CHPRC
CMS
Station: #6 - 200E
Time Period:
1/2014 - 12/2014
Wind Speed
Category (mph)
Percent
N
NNW
NW
WNW
W
WSW
SW
SSW
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Hanford Facility RCRA Permit Modification Notification Forms

Part V, Closure Unit Group 25

PUREX Storage Tunnels Unit

Index

Page 2 of 4: Unit Specific Conditions
Page 3 of 4: Part A Form
Page 4 of 4: Revision Instructions

Submitted by Co-Operator:
DEBORAH SINGLETON (Affiliate)
Digitally signed by DEBORAH SINGLETON (Affiliate)
Date: 2021.01.12 08:24:47 -08'00'

Deborah G. Singleton Date

Reviewed by DOE Program Office:
Duane Carter
Digitally signed by Duane Carter
Date: 2021.01.12 08:48:44 -08'00'

Duane B. Carter Date

Hanford Facility RCRA Permit Modification Form

Unit:	Permit Part
PUREX Storage Tunnels	***Part V, Closure Unit Group 25 Unit Specific Conditions***

Description of Modification:

Update the revision history information for Addendum A, Part A Form

CLOSURE UNIT 25

Chapter 1.0	Part A Form, dated ~~December 17, 2018~~TBD
Chapter 3.0	Waste Analysis Plan, dated December 17, 2018
Chapter 4.0	Process Information, dated December 17, 2018
Chapter 11.0	Closure and Financial Assurance, dated July 23, 2020
Addendum E	Security, dated September 30, 2010
Addendum F	Preparedness and Prevention, dated December 17, 2018
Addendum G	Personnel Training, dated June 30, 2012
Addendum I	Inspection Requirements, dated December 17, 2018
Addendum J	Contingency Plan, dated June 24, 2020

Update date to coincide with Ecology signature approvals on the Class [1]1 modifications herein.

WAC 173-303-830 Modification Class	Class 1	Class [1]1	Class 2	Class 3
Please mark the Modification Class:		X		

Enter relevant WAC 173-303-830, Appendix I Modification citation number:

In accordance with WAC 173-303-830(4)(d)…the permittee requests this modification be reviewed and approved as a Class [1]1.

Modification Approved: ☐ Yes ☐ No	Reviewed by Ecology:
	S. N. Schleif — Date

Hanford Facility RCRA Permit Modification Form

Unit:	Permit Part
PUREX Storage Tunnels	***Part V, Operating Unit Group 25 Unit Specific Conditions***

Description of Modification:

Updated Chapter 1.0, Part A Form for:

- Header – delete "WA7890008967, PUREX Storage Tunnels" and add "WA7890008967, Part V, Closure Unit Group 25, PUREX Storage Tunnels, January 25, 2021".
- Section VI, Facility Contact - delete Doug S. Shoop and add Brian T. Vance.
- Section VII. A., Facility Operator Information - delete "CH2M Hill Plateau Remediation Company Co-Operator for PUREX Storage Tunnels" and add "Central Plateau Cleanup Company LLC Co-Operator for PUREX Storage Tunnels". In the "Phone Number" field, delete "(509) 373-0293" and add "(509) 372-3845". In the "Street or P.O. Box" field delete "P.O. Box 1600" and add "P.O. Box 1464".
- Section VII. C., Facility Operator Information - change "NO" to "YES" for co-operator change and update scheduled date for change to "01 25 2021".
- Section XVIII, Certifications, Operator Name - delete "Doug S. Shoop" and add "Brian T. Vance".
- Section XVIII, Certifications, Co-Operator Name - delete "L. Ty Blackford" and add "Scott Sax". Delete the title, "Chief Executive Officer" and add "Project Manager". Delete the company name "CH2M Hill Plateau Remediation Company" and add "Central Plateau Cleanup Company LLC". Delete "P.O. Box 1600" and add "P.O. Box 1464". Delete "(509) 373-0293" and add "(509) 372-3845".
- Section XVIII, Certifications, Facility-Property Owner - delete "Doug S. Shoop" and adding "Brian T. Vance".
- Comments – After the sentence, "Section XIV: The values for estimated annual quantity represent the maximum quantity of waste placed in the tunnels in a year. The tunnels no longer receive waste", add, "In Section VI, Facility contact is revised to update the DOE-RL contact. In Section VII, Facility Operator Information is revised to update change in Co-Operator. In Section XVIII, "Certifications" is revised to update Operator Name, Co-Operator name, and Facility-Property Owner name. The topographic map for the unit is updated to reflect the current mapping conventions. The changes in these sections and the topographic map will be effective January 25, 2021. No other changes have been made to the Part A form sections. The certification is limited to the changes effective January 25, 2021".
- Delete previous topographical map and add updated topographical map.

WAC 173-303-830 Modification Class	Class 1	Class [1]1	Class 2	Class 3
Please mark the Modification Class:		X		

Enter relevant WAC 173-303-830, Appendix I Modification citation number:
In accordance with WAC 173-303-830(4)(d)…the permittee requests this modification be reviewed and approved as a Class [1]1.

Modification Approved: ☐ Yes ☐ No	Reviewed by Ecology:
	S. N. Schleif — Date

Revision Instructions:

Revise the Unit Specific Conditions and Addendum A to incorporate the changes shown herein.

PUREX STORAGE TUNNELS
CHANGE CONTROL LOG

Change Control Logs ensure that changes to this unit are performed in a methodical, controlled, coordinated, and transparent manner. Each unit addendum will have a "**Last Modification Date**" which represents the last date the portion of the unit has been modified. The "**Modification Number**" represents Ecology's method for tracking the different versions of the permit. This log will serve as an up to date record of modifications and version history of the unit.

Last modification to PUREX **July 23, 2020**

Chapters	Last Modification Date	Modification Number
Unit-Specific Permit Conditions	07/23/2020	PCN-PUREX-2019-03 (8C.2020.Q3)
1.0 Part A Form	12/17/2018	8C.2018.5F
2.0 Reserved		
3.0 Waste Analysis Plan	12/17/2018	8C.2018.5F
4.0 Process Information	12/17/2018	8C.2018.5F
5.0 Reserved		
6.0 Reserved		
7.0 Reserved		
8.0 Reserved		
9.0 Reserved		
10.0 Reserved		
11.0 Closure and Financial Assurance	07/23/2020	PCN-PUREX-2019-03 (8C.2020.Q3)
Addenda	**Last Modification Date**	**Modification Number**
A. Reserved		
B. Reserved		
C. Reserved		
D. Reserved		
E. Security	09/30/2010	
F. Preparedness and Prevention	12/17/2018	8C.2018.5F
G. Personnel Training	09/30/2012	
H. Reserved		
I. Inspection Requirements	12/17/2018	8C.2018.5F
J. Contingency Plan	06/24/2020	8C.2020.5F

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PUREX STORAGE TUNNELS
PART V, CLOSURE UNIT GROUP 25
UNIT-SPECIFIC PERMIT CONDITIONS

CHANGE CONTROL LOG

Change Control Logs ensure that changes to this unit are performed in a methodical, controlled, coordinated, and transparent manner. Each unit addendum will have its own change control log with a modification history table. The "**Modification Number**" represents Ecology's method for tracking the different versions of the permit. This log will serve as an up to date record of modifications and version history of the unit.

Modification History Table

Modification Date	Modification Number
07/23/2020	PCN-PUREX-2019-03 (8C.2020.Q3)
06/24/2020	8C.2020.5F
02/28/2019	PCN-PUREX-2019-01
12/17/2018	8C.2018.5F
06/30/2012	

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PUREX STORAGE TUNNELS
PART V, CLOSURE UNIT GROUP 25
UNIT-SPECIFIC PERMIT CONDITIONS

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PART V, CLOSURE UNIT GROUP 25 UNIT-SPECIFIC PERMIT CONDITIONS PUREX STORAGE TUNNELS

UNIT DESCRIPTION

The Plutonium Uranium Extraction Facility (PUREX) Storage Tunnels are mixed waste storage units consisting of two underground railroad tunnels: Tunnel Number 1, designated 218-E-14, and Tunnel Number 2, designated 218-E-15. This Chapter sets forth the operating Conditions for this Treatment, Storage, and Disposal (TSD) unit.

CLOSURE UNIT 25

Chapter 1.0	Part A Form, dated ~~December 17, 2018~~TBD
Chapter 3.0	Waste Analysis Plan, dated December 17, 2018
Chapter 4.0	Process Information, dated December 17, 2018
Chapter 11.0	Closure and Financial Assurance, dated July 23, 2020
Addendum E	Security, dated September 30, 2010
Addendum F	Preparedness and Prevention, dated December 17, 2018
Addendum G	Personnel Training, dated June 30, 2012
Addendum I	Inspection Requirements, dated December 17, 2018
Addendum J	Contingency Plan, dated June 24, 2020

V.25.A COMPLIANCE WITH UNIT-SPECIFIC PERMIT CONDITIONS

V.25.A.1 The Permittees will comply with all conditions in this Chapter and its addenda and chapters with respect to storage of waste in the miscellaneous units, (PUREX Storage Tunnels), in addition to applicable requirements in Permit Parts I and II.

V.25.A.2 In the event that the Part V, Unit-Specific Conditions for Closure Unit 25, PUREX Storage Tunnels conflict with the Part I, Standard Conditions and/or Part II, General Facility Conditions of the Permit, the unit-specific conditions for Closure Unit 25, PUREX Storage Tunnels prevail.

V.25.B UNIT-SPECIFIC CONDITIONS

V.25.B.1 Portions of Permit Attachment 4, *Hanford Emergency Management Plan*, (DOE/RL-94-02) that are not made enforceable by inclusion in the applicability matrix for that document are not made enforceable by reference in this document.

V.25.B.2 The Permittees will comply with all requirements set forth in the Chapter 11, "Closure and Financial Assurance" for the PUREX Storage Tunnels, and close the PUREX Storage Tunnels in accordance with the Chapter 11, "Closure and Financial Assurance." [WAC 173-303-610(3)(a)]

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1
2

WASHINGTON STATE DEPARTMENT OF ECOLOGY

Dangerous Waste Permit Application
Part A Form

Date Received	Reviewed by:	Date:
Month Day Year		
	Approved by:	

I. This form is submitted to: (place an "X" in the appropriate box)

☒	Request modification to a final status permit (commonly called a "Part B" permit)	
☐	Request a change under interim status	
☐	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).	
☐	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

U.S. Department of Energy – Hanford Facility

IV. Facility Location (Physical address not P.O. Box or Route Number)
A. Street

Refer to Permit Attachment 2 – Hanford Facility Permit Legal Description

City or Town	State	ZIP Code
Near Richland	WA	

County Code (if			County Name
0	0	5	Benton

B. Land Type	C. Geographic Location Latitude (degrees, mins, secs)	Longitude (degrees, mins, secs)	D. Facility Existence Date Month Day Year
F	Refer to TOPO Map (Section XV).		1 1 1 9 1 9 8 0

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)**	
Vance	Brian	
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**
U.S. Department of Energy Owner/Operator Central Plateau Cleanup Company LLC, Co-Operator for PUREX Storage Tunnels		(509) 376-7395 (509) 372-3845
Street or P.O. Box		
P.O. Box 550 P.O. Box 1464		
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?	☒ Yes ☐ No	
If yes, provide the scheduled date for the change:	**Month** 01	**Day** 25 **Year** 2021
D. Is the name listed in VII.A. also the owner? If yes, skip to Section VIII.C.	☒ Yes ☐ No	

VIII. Facility Owner Information		
A. Name	**Phone Number (area code and number)**	
U.S. Department of Energy, Owner/Operator	(509) 376-7395	
Street or P.O. Box		
P.O. Box 550		
City or Town	**State**	**ZIP Code**
Richland	WA	99352
B. Owner Type F		
C. Does the name in VIII.A reflect a proposed change in owner?	☐ Yes ☒ 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	1	Waste Treatment & Disposal	9	2	4	1	1	0	Administration of Air & Water Resource & Solid Waste Management Programs
C. Third							**D. Fourth**						
5	4	1	7	1	5	Research & Development in the Physical, Engineering, & Life Sciences	5	6	2	9	1	0	Remediation Services

X. Other Environmental Permits (see instructions)

A. Permit Type	B. Permit Number	C. Description
E	AOP00-05-006	Title V Air Operation Permit (AOP) Incorporation of current non-radiological Notice of Construction permits and FF-01 radiological licenses into the AOP may be delayed up to 2 years.

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

The Plutonium-Uranium Extraction (PUREX) Plant is located in the southeast portion of the 200 East Area. The PUREX Plant was used for the recovery of uranium and plutonium from irradiated reactor fuel. The PUREX Plant was built in 1956 and operated until 1972. It was restarted in 1983 and operated until 1989. The U.S. Department of Energy issued a final shutdown order in December 1992.

Associated with the PUREX Plant is the PUREX Storage Tunnels, Closing Unit Group (CUG) 19. This CUG includes PUREX Tunnels 1 and 2 that are classified as Miscellaneous Units (X99). Each of the tunnels are defined as an individual dangerous waste management unit (DWMU).

PUREX Tunnels 1 and 2 are planned for closure and no new waste will be accepted for placement into the tunnels.

PUREX Tunnel Number 1. The construction of Tunnel Number 1 was completed in 1956. The tunnel is approximately 5.8 meters (19 feet) wide by 6.7 meters (22 feet) high by 109 meters (358 feet) long and provides storage space for eight railcars. The maximum process design capacity for storage in Tunnel Number 1 is approximately 4,129 cubic meters (5,400 cubic yards). The tunnel experienced a partial roof collapse in May 2017. The tunnel was stabilized with grout in October and November 2017.

PUREX Tunnel Number 2. The construction of Tunnel Number 2 was completed in 1964. The usable area in Tunnel Number 2 is approximately 5.8 meters (19 feet) wide by 6.7 meters (22 feet) high by 514.5 meters (1,688 feet) long and provides storage space for 40 railcars. The maximum process design capacity for storage in Tunnel Number 2 is approximately 19,878 cubic meters (26,000 cubic yards). Tunnel Number 2 will be stabilized with grout as an interim closure action.

Process Code X99. The PUREX Storage Tunnels are designated as Miscellaneous Units. Process code X99 is used for storage of mixed waste subject to the requirements of WAC 173-303-680. PUREX

Storage Tunnel Numbers 1 and 2 store waste from the PUREX Plant and other onsite sources. Since being placed into service, mixed waste has been stored in the tunnels on railcars; however, not all material stored in the tunnels contains mixed waste.

The waste stored in the tunnels could include barium(D005), cadmium (D006), chromium (D007), lead (D008), mercury (D009), silver (D011), and light mineral oil (WT02, state-only, toxic, dangerous waste) contained in oil absorption material. The silver is predominately in the form of salts and is considered ignitable (D001) because of the presence of silver nitrate ($AgNO_3$), an oxidizer.

PUREX Tunnel Number 1. Between June 1960 and January 1965, all eight railcar positions were filled and Tunnel Number 1 was sealed. The combined volume of the equipment stored on the eight railcars in Tunnel Number 1 is approximately 596 cubic meters (780 cubic yards).

PUREX Tunnel Number 2. In December 1967, the first railcar was placed in Tunnel Number 2. The last railcar was placed in 1996, for a total of 28 railcars in Tunnel Number 2. The volume of equipment stored on the 28 railcars in Tunnel Number 2 is approximately 2,204 cubic meters (2,883 cubic yards).

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	X	9	9	24,007	C	002		1	X	9	9	24,007	C	002	Tunnel storage
	2								2							
	3								3							
	4								4							
	5								5							
	6								6							
	7								7							
	8								8							
	9								9							
1	0							1	0							
1	1							1	1							

XIV. Description of Dangerous Wastes

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

Line Number			A. Dangerous Waste No. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Processes									
									(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
X	1		D	0	0	2	400	P	S	0	1	T	0	1				
X	2		D	0	0	1	100	P	S	0	2	T	0	1				
X	3		D	0	0	2												**Included with above**
		1	D	0	0	5	454*	K	X	9	9							Includes Debris
		2	D	0	0	6	454*	K	X	9	9							Included with above
		3																
		4	D	0	0	7	454*	K	X	9	9							Included with above
		5	D	0	0	8	8,000*	K	X	9	9							Included with above
		6																
		7																
		8	D	0	1	1	680*	K	X	9	9							
		9	D	0	0	1		K	X	9	9							
	1	0	W	T	0	2		K	X	9	9							
	1	1																
	1	2	D	0	0	9	130*	K	X	9	9							
	1	3																
	1	4																
	1	5																
	1	6																
	1	7																
	1	8																
	1	9																
	2	0																
	2	1																
	2	2																
	2	3																
	2	4																
	2	5																

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.

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) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature**	**Date Signed** 1/22/2021
Co-Operator Name and Official Title (type or print) Scott Sax, President and Project Manager Central Plateau Cleanup Company LLC	**Signature** SCOTT SAX (Affiliate) Digitally signed by SCOTT SAX (Affiliate) Date: 2021.01.19 17:23:44 -08'00'	**Date Signed**
Co-Operator – Address and Telephone Number* P.O. Box 1464 Richland, WA 99352 (509) 372-3845		
Facility-Property Owner Name and Official Title (type or print) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature**	**Date Signed** 1/22/2021

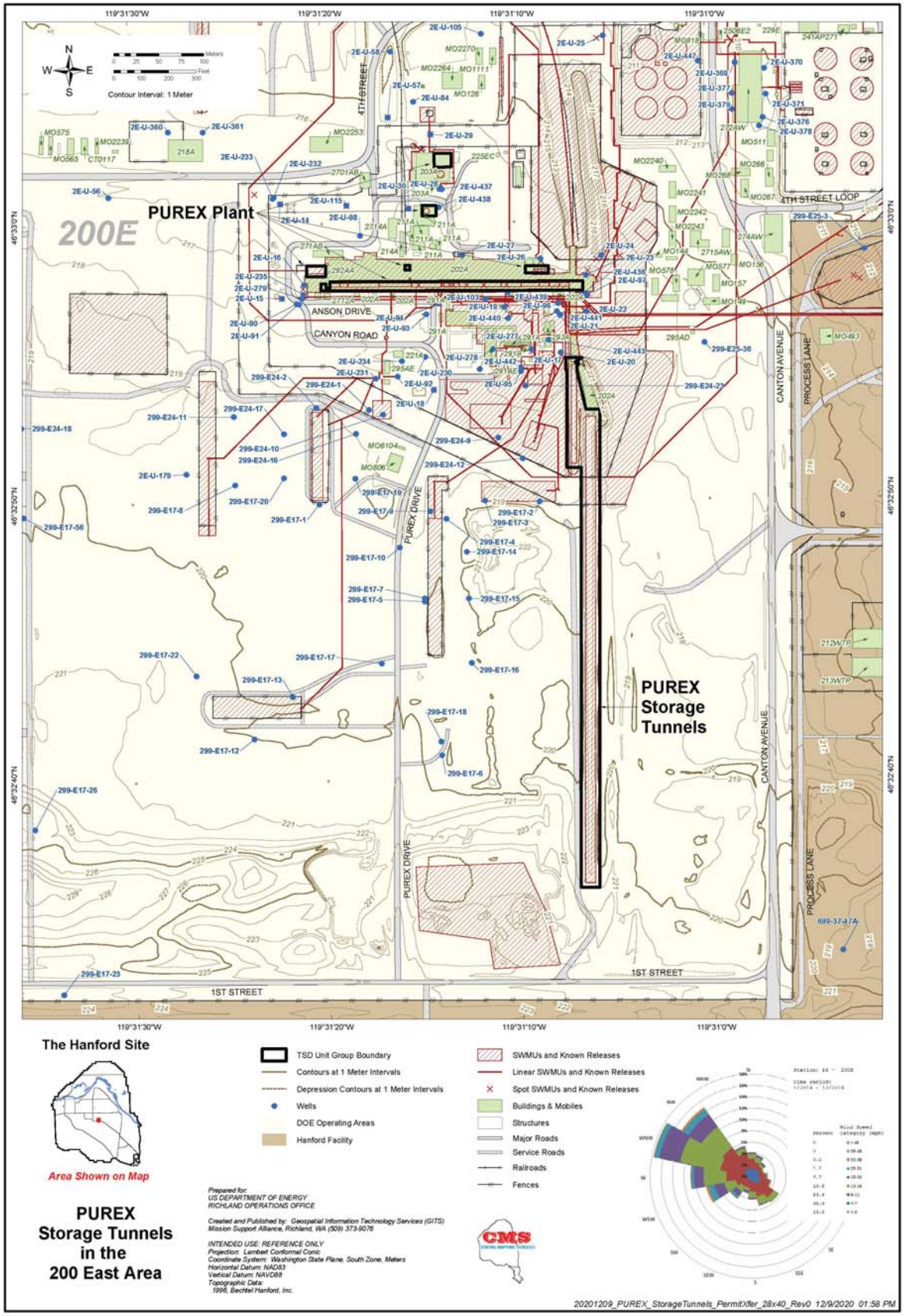
1

Comments

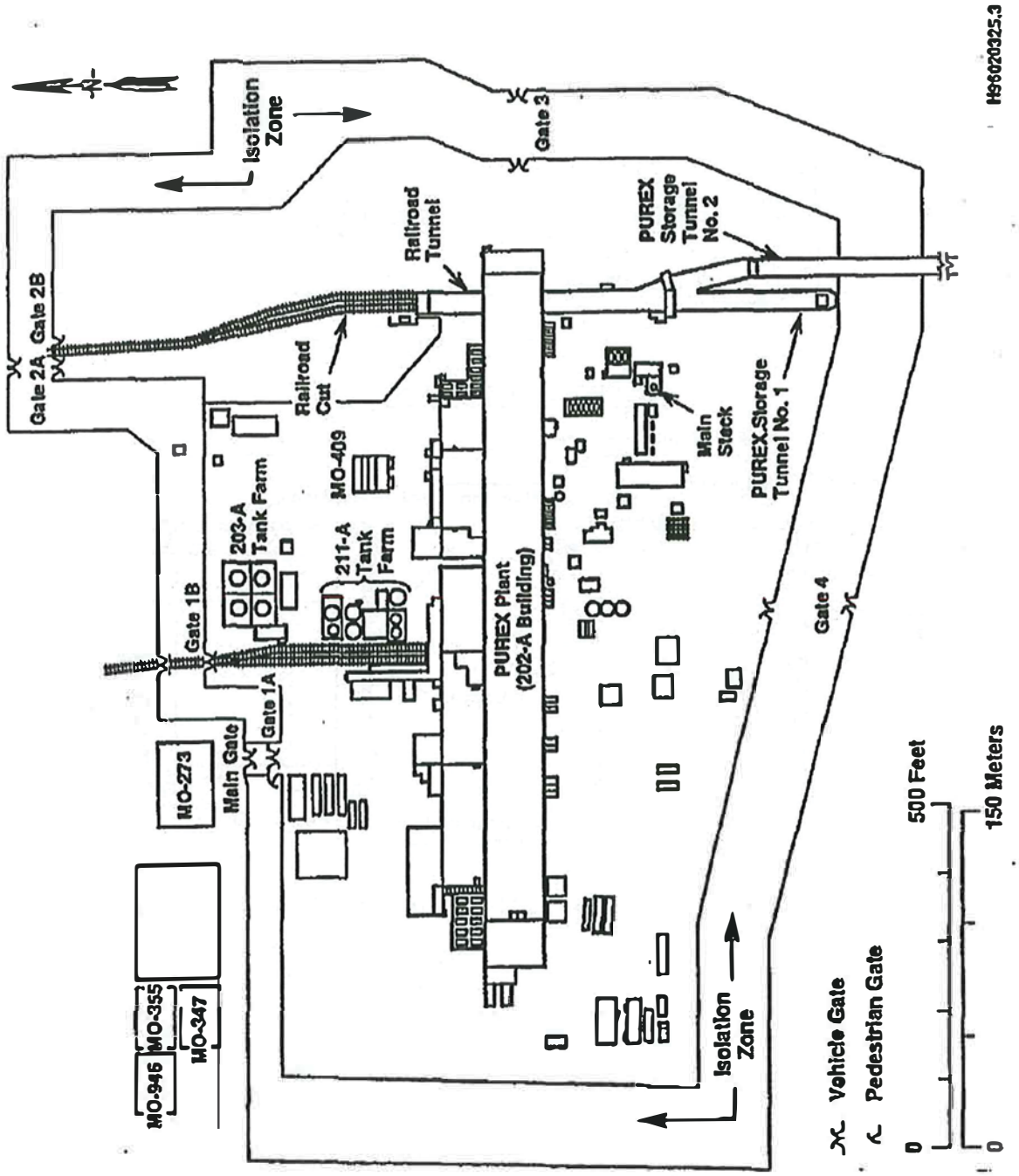
Section XIV:

*The values for estimated annual quantity represent the maximum quantity of waste placed in the tunnels in a year. The tunnels no longer receive waste.

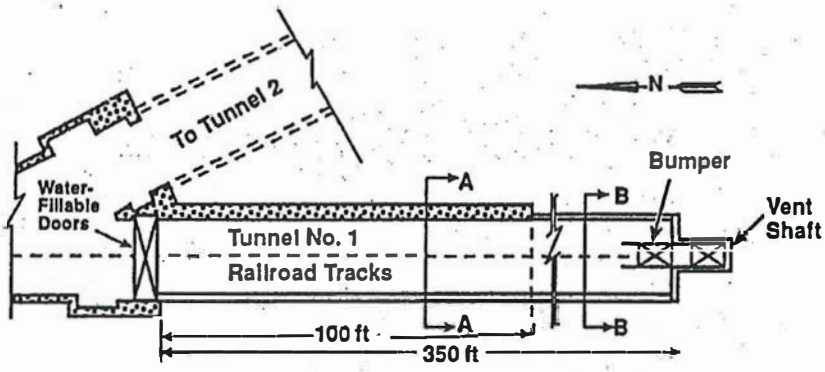
In Section VI, Facility contact is revised to update the DOE-RL contact. In Section VII, Facility Operator Information is revised to update change in Co-Operator. In Section XVIII, "Certifications" is revised to update Operator Name, Co-Operator name, and Facility-Property Owner name. The topographic map for the unit is updated to reflect the current mapping conventions. The changes in these sections and the topographic map will be effective January 25, 2021. No other changes have been made to the Part A form sections. The certification is limited to the changes effective January 25, 2021.


PUREX Plant
200E
PUREX Storage Tunnels
ANSON DRIVE
CANYON ROAD
PUREX DRIVE
4TH STREET
4TH STREET LOOP
CANTON AVENUE
PROCESS LANE
1ST STREET
Contour Interval: 1 Meter
The Hanford Site
Area Shown on Map
PUREX Storage Tunnels in the 200 East Area
TSD Unit Group Boundary
Contours at 1 Meter Intervals
Depression Contours at 1 Meter Intervals
Wells
DOE Operating Areas
Hanford Facility
SWMUs and Known Releases
Linear SWMUs and Known Releases
Spot SWMUs and Known Releases
Buildings & Mobiles
Structures
Major Roads
Service Roads
Railroads
Fences
Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
Created and Published by: Geospatial Information Technology Services (GITS)
Mission Support Alliance, Richland, WA (509) 373-9076
INTENDED USE: REFERENCE ONLY
Projection: Lambert Conformal Conic
Coordinate System: Washington State Plane, South Zone, Meters
Horizontal Datum: NAD83
Vertical Datum: NAVD88
Topographic Data:
1996, Bechtel Hanford, Inc.
20201209_PUREX_StorageTunnels_PermitXfer_28x40_Rev0 12/9/2020 01:58 PM

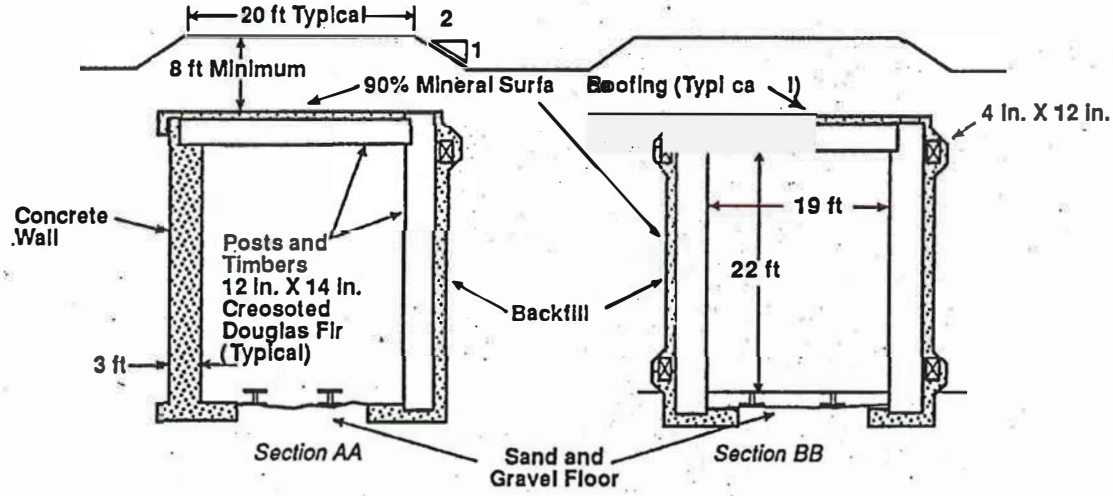
PUREX Tunnel Drawings



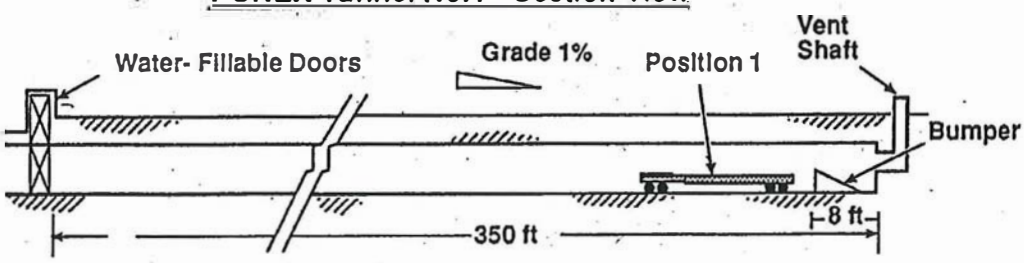
PUREX Tunnel No. 1 – Details



PUREX Tunnel No.1 - Plan View



PUREX Tunnel No.1 - Section View

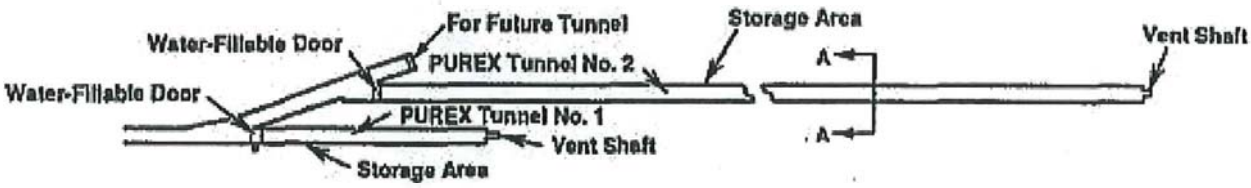


PUREX Tunnel No.1 - Elevation View

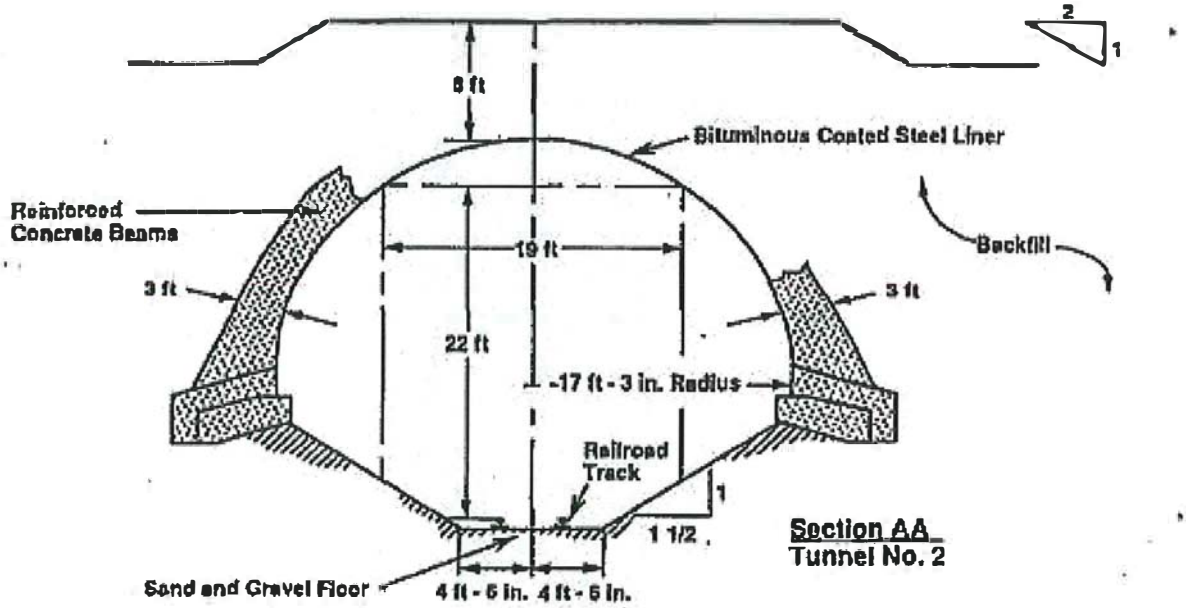
For conversion to meters, multiply feet by 0.3048.
For conversion to centimeters, multiply inches by 2.54.

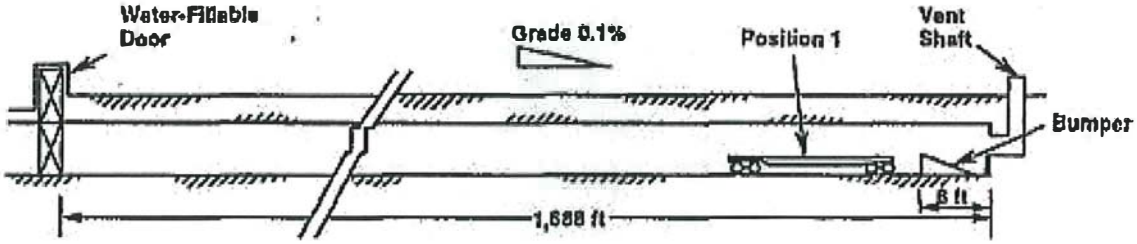
H96030106.2

PUREX Tunnel No. 2 – Details



PUREX Tunnels - Plan View

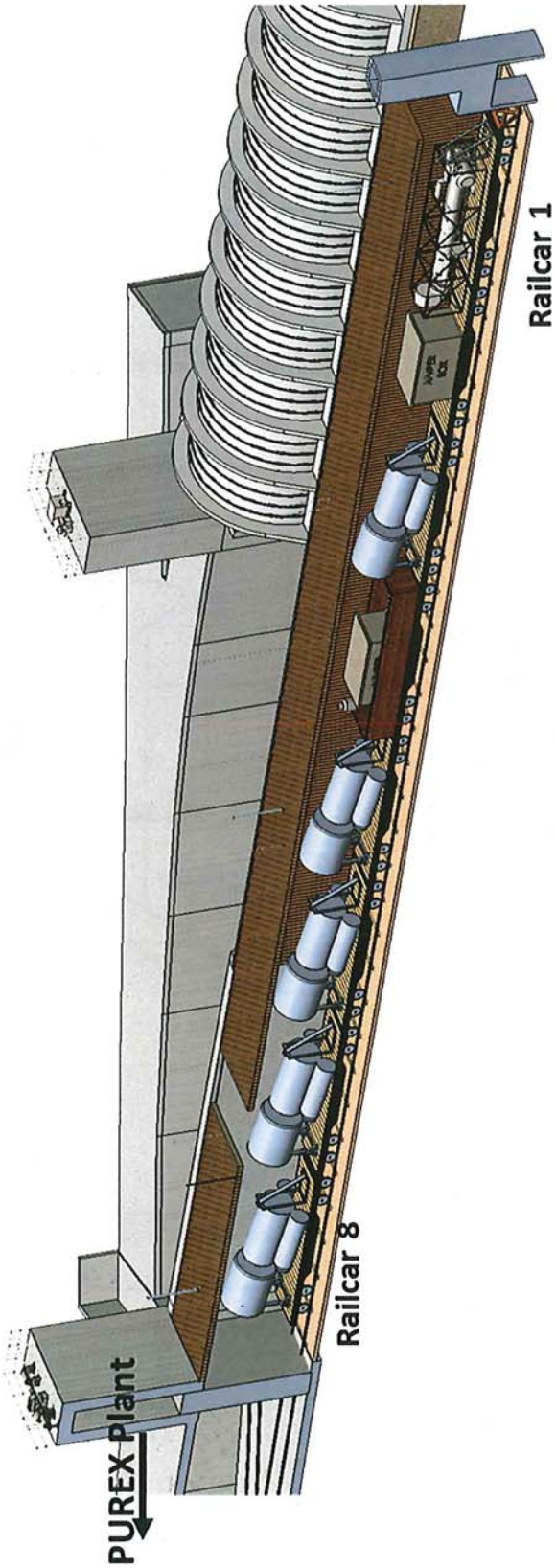




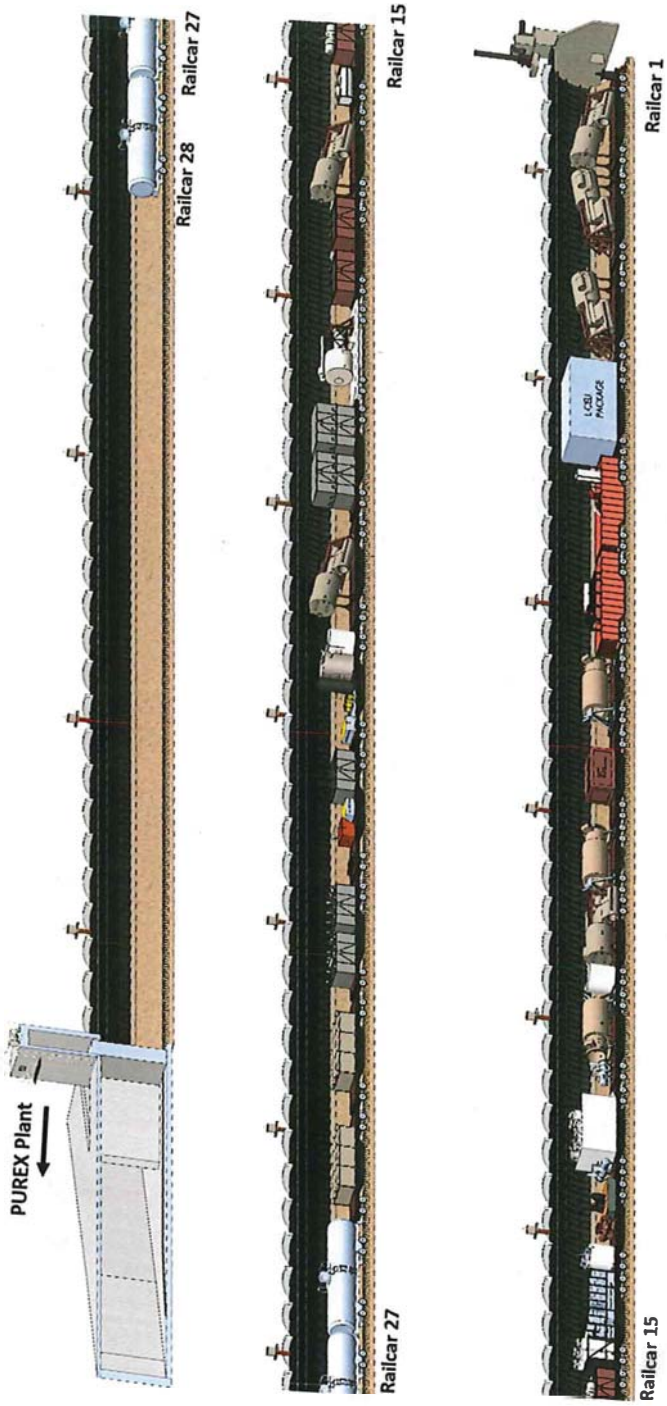
PUREX Tunnel No. 2 - Elevation View

For conversion to meters, multiply feet by 0.3048.
For conversion to centimeters, multiply inches by 2.54.

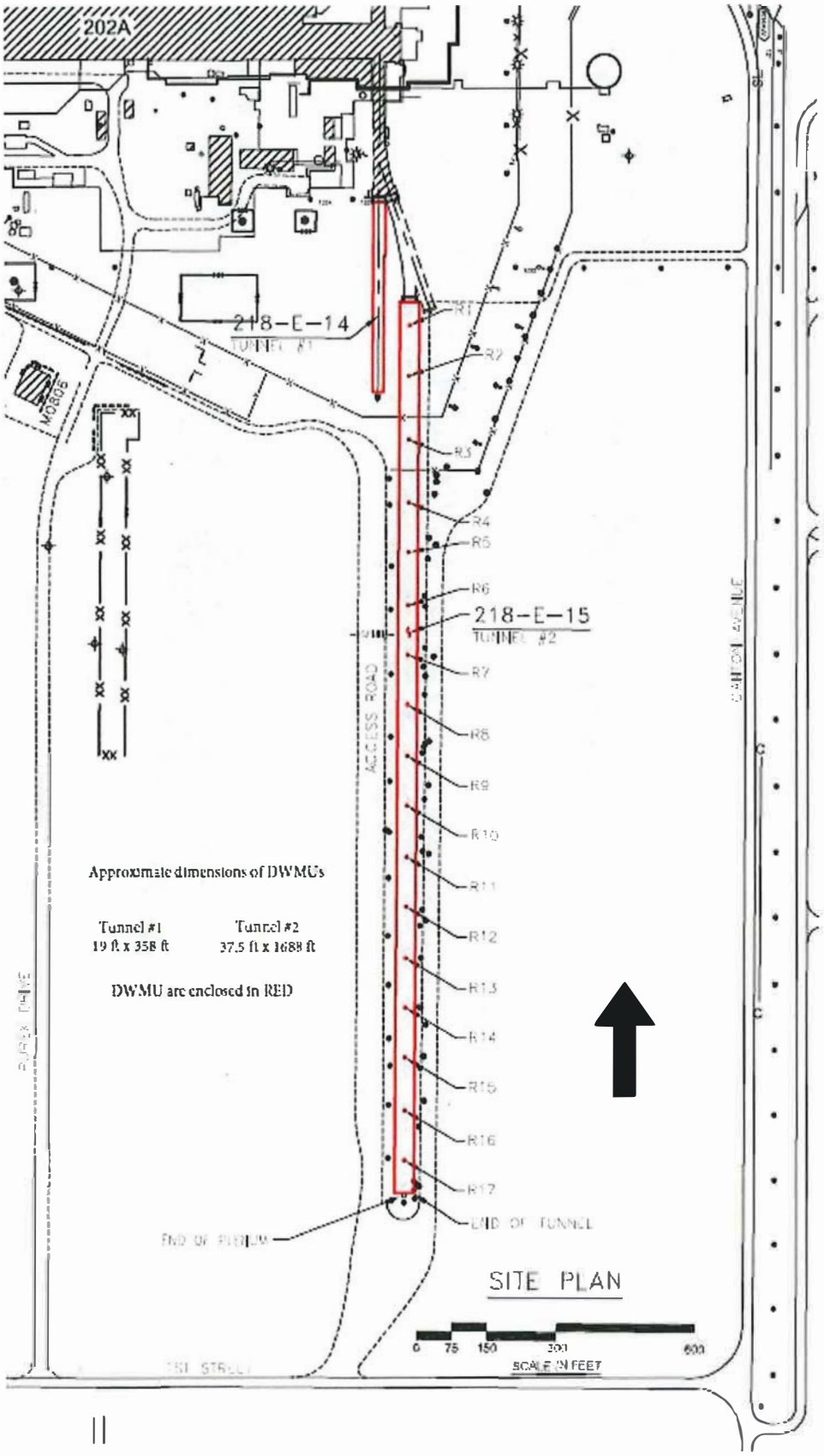
H95030180.1



PUREX Tunnel Number 1. The drawing shows a rendition of the eight railroad cars in the tunnel. The water-fillable door is to the left, and the end of the tunnel is to the right.



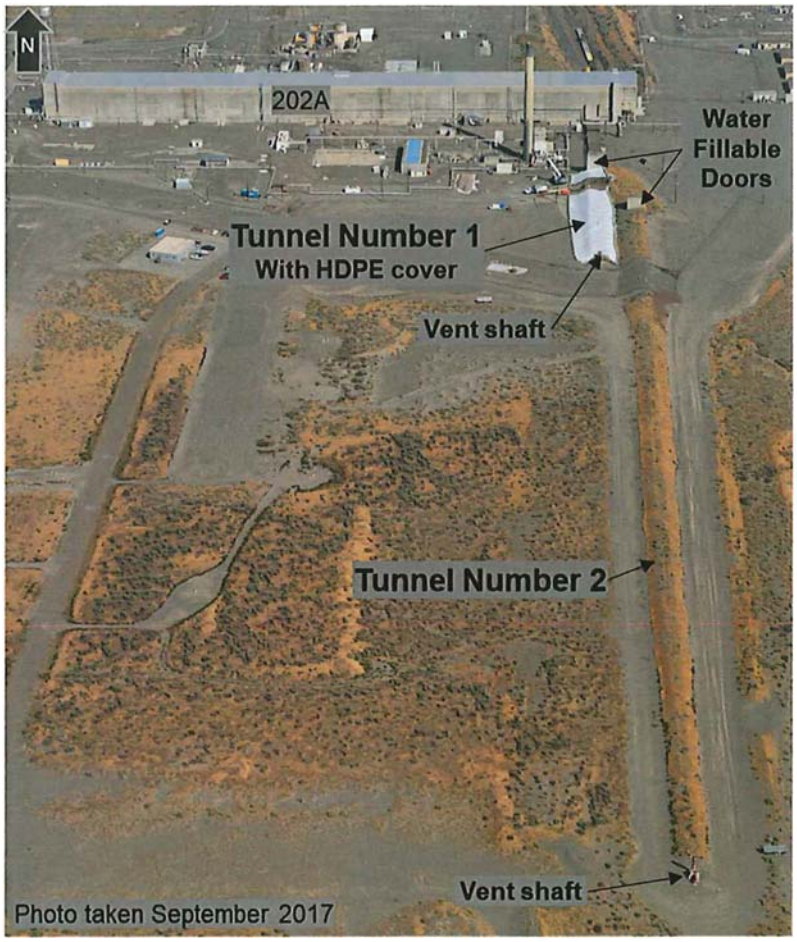
Purex Tunnel Number 2. The drawing shows a rendition of the 28 railroad cars in the tunnel. The water-fillable door is at top left, and the end of the tunnel is at bottom right.



Dangerous Waste Management Unit Boundary

Chapter 1.16

PUREX Storage Tunnels



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1
2

WASHINGTON STATE DEPARTMENT OF ECOLOGY

Dangerous Waste Permit Application
Part A Form

Date Received	Reviewed by:	Date:
Month Day Year		
	Approved by:	

I. This form is submitted to: (place an "X" in the appropriate box)

☒	Request modification to a final status permit (commonly called a "Part B" permit)	
☐	Request a change under interim status	
☐	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).	
☐	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

U.S. Department of Energy – Hanford Facility

IV. Facility Location (Physical address not P.O. Box or Route Number)
A. Street

Refer to Permit Attachment 2 – Hanford Facility Permit Legal Description

City or Town	State	ZIP Code
Near Richland	WA	

County Code (if			County Name
0	0	5	Benton

B. Land Type	C. Geographic Location Latitude (degrees, mins, secs)	Longitude (degrees, mins, secs)	D. Facility Existence Date Month Day Year
F	Refer to TOPO Map (Section XV).		1 1 1 9 1 9 8 0

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~~Vance	~~Doug S.~~Brian	
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
U.S. Department of Energy Owner/Operator Central Plateau Cleanup Company LLC ~~CH2M HILL Plateau Remediation Company~~ Co-Operator for PUREX Storage Tunnels	(509) 376-7395 (509) ~~373-0293~~372-3845
Street or P.O. Box	
P.O. Box P.O. Box ~~16001~~464	

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?	☒ Yes ☐ No
If yes, provide the scheduled date for the change:	Month 0 1 Day 2 5 Year 2 0 2 1
D. Is the name listed in VII.A. also the owner? If yes, skip to Section VIII.C.	☒ Yes ☐ No

VIII. Facility Owner Information	
A. Name	Phone Number (area code and number)
U.S. Department of Energy, Owner/Operator	(509) 376-7395
Street or P.O. Box	
P.O. Box 550	

City or Town	State	ZIP Code
Richland	WA	99352

B. Owner Type	F
C. Does the name in VIII.A reflect a proposed change in owner?	☐ Yes ☒ 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	1	Waste Treatment & Disposal	9	2	4	1	1	0	Administration of Air & Water Resource & Solid Waste Management Programs
C. Third							D. Fourth						
5	4	1	7	1	5	Research & Development in the Physical, Engineering, & Life Sciences	5	6	2	9	1	0	Remediation Services

X. Other Environmental Permits (see instructions)															
A. Permit Type			B. Permit Number												C. Description
	E		A	O	P	0	0	-	0	5	-	0	0	6	Title V Air Operation Permit (AOP) Incorporation of current non-radiological Notice of Construction permits and FF-01 radiological licenses into the AOP may be delayed up to 2 years.

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

The Plutonium-Uranium Extraction (PUREX) Plant is located in the southeast portion of the 200 East Area. The PUREX Plant was used for the recovery of uranium and plutonium from irradiated reactor fuel. The PUREX Plant was built in 1956 and operated until 1972. It was restarted in 1983 and operated until 1989. The U.S. Department of Energy issued a final shutdown order in December 1992.

Associated with the PUREX Plant is the PUREX Storage Tunnels, Closing Unit Group (CUG) 19. This CUG includes PUREX Tunnels 1 and 2 that are classified as Miscellaneous Units (X99). Each of the tunnels are defined as an individual dangerous waste management unit (DWMU).

PUREX Tunnels 1 and 2 are planned for closure and no new waste will be accepted for placement into the tunnels.

PUREX Tunnel Number 1. The construction of Tunnel Number 1 was completed in 1956. The tunnel is approximately 5.8 meters (19 feet) wide by 6.7 meters (22 feet) high by 109 meters (358 feet) long and provides storage space for eight railcars. The maximum process design capacity for storage in Tunnel Number 1 is approximately 4,129 cubic meters (5,400 cubic yards). The tunnel experienced a partial roof collapse in May 2017. The tunnel was stabilized with grout in October and November 2017.

PUREX Tunnel Number 2. The construction of Tunnel Number 2 was completed in 1964. The usable area in Tunnel Number 2 is approximately 5.8 meters (19 feet) wide by 6.7 meters (22 feet) high by 514.5 meters (1,688 feet) long and provides storage space for 40 railcars. The maximum process design capacity for storage in Tunnel Number 2 is approximately 19,878 cubic meters (26,000 cubic yards). Tunnel Number 2 will be stabilized with grout as an interim closure action.

Process Code X99. The PUREX Storage Tunnels are designated as Miscellaneous Units. Process code X99 is used for storage of mixed waste subject to the requirements of WAC 173-303-680. PUREX

Storage Tunnel Numbers 1 and 2 store waste from the PUREX Plant and other onsite sources. Since being placed into service, mixed waste has been stored in the tunnels on railcars; however, not all material stored in the tunnels contains mixed waste.

The waste stored in the tunnels could include barium(D005), cadmium (D006), chromium (D007), lead (D008), mercury (D009), silver (D011), and light mineral oil (WT02, state-only, toxic, dangerous waste) contained in oil absorption material. The silver is predominately in the form of salts and is considered ignitable (D001) because of the presence of silver nitrate ($AgNO_3$), an oxidizer.

PUREX Tunnel Number 1. Between June 1960 and January 1965, all eight railcar positions were filled and Tunnel Number 1 was sealed. The combined volume of the equipment stored on the eight railcars in Tunnel Number 1 is approximately 596 cubic meters (780 cubic yards).

PUREX Tunnel Number 2. In December 1967, the first railcar was placed in Tunnel Number 2. The last railcar was placed in 1996, for a total of 28 railcars in Tunnel Number 2. The volume of equipment stored on the 28 railcars in Tunnel Number 2 is approximately 2,204 cubic meters (2,883 cubic yards).

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	X	9	9	24,007	C	002		1	X	9	9	24,007	C	002	Tunnel storage
	2								2							
	3								3							
	4								4							
	5								5							
	6								6							
	7								7							
	8								8							
	9								9							
1	0							1	0							
1	1							1	1							

XIV. Description of Dangerous Wastes

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

Line Number			A. Dangerous Waste No. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Processes									
									(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
X	1		D	0	0	2	400	P	S	0	1	T	0	1				
X	2		D	0	0	1	100	P	S	0	2	T	0	1				
X	3		D	0	0	2												Included with above
		1	D	0	0	5	454*	K	X	9	9							Includes Debris
		2	D	0	0	6	454*	K	X	9	9							Included with above
		3																
		4	D	0	0	7	454*	K	X	9	9							Included with above
		5	D	0	0	8	8,000*	K	X	9	9							Included with above
		6																
		7																
		8	D	0	1	1	680*	K	X	9	9							
		9	D	0	0	1		K	X	9	9							
	1	0	W	T	0	2		K	X	9	9							
	1	1																
	1	2	D	0	0	9	130*	K	X	9	9							
	1	3																
	1	4																
	1	5																
	1	6																
	1	7																
	1	8																
	1	9																
	2	0																
	2	1																
	2	2																
	2	3																
	2	4																
	2	5																

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.

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)	**Signature**	**Date Signed**
~~Doug S. Shoop~~Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office		
Co-Operator Name and Official Title (type or print)	**Signature**	**Date Signed**
~~L. Ty Blackford~~Scott Sax, President and Project Manager~~Chief Executive Officer~~ Central Plateau Cleanup Company LLC~~CH2M HILL Plateau Remediation Company~~		
Co-Operator – Address and Telephone Number* P.O. Box ~~1600~~1464 Richland, WA 99352 (509) ~~373-0293~~372-3845		
Facility-Property Owner Name and Official Title (type or print)	**Signature**	**Date Signed**
~~Doug S. Shoop~~Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office		

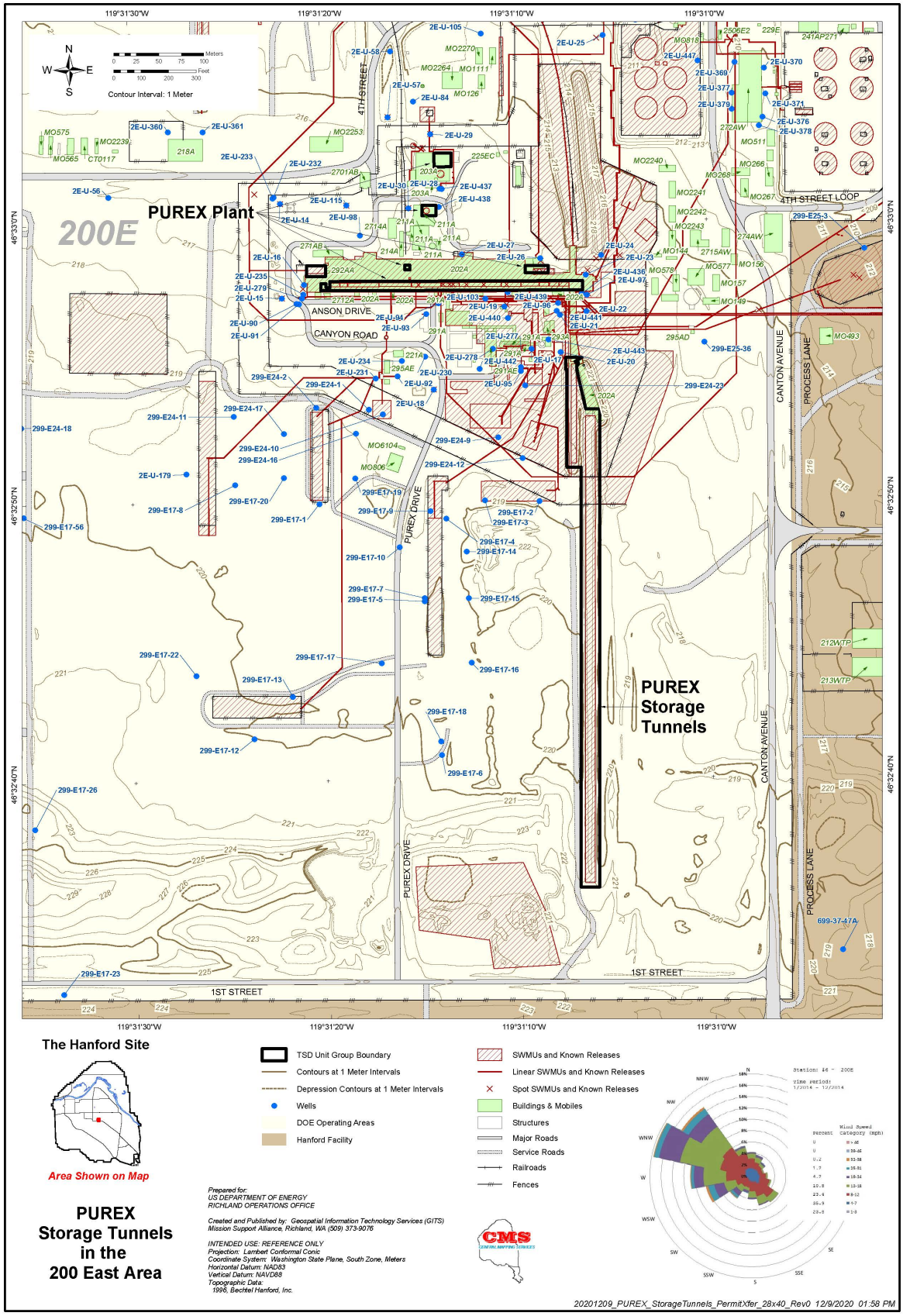
1

Comments

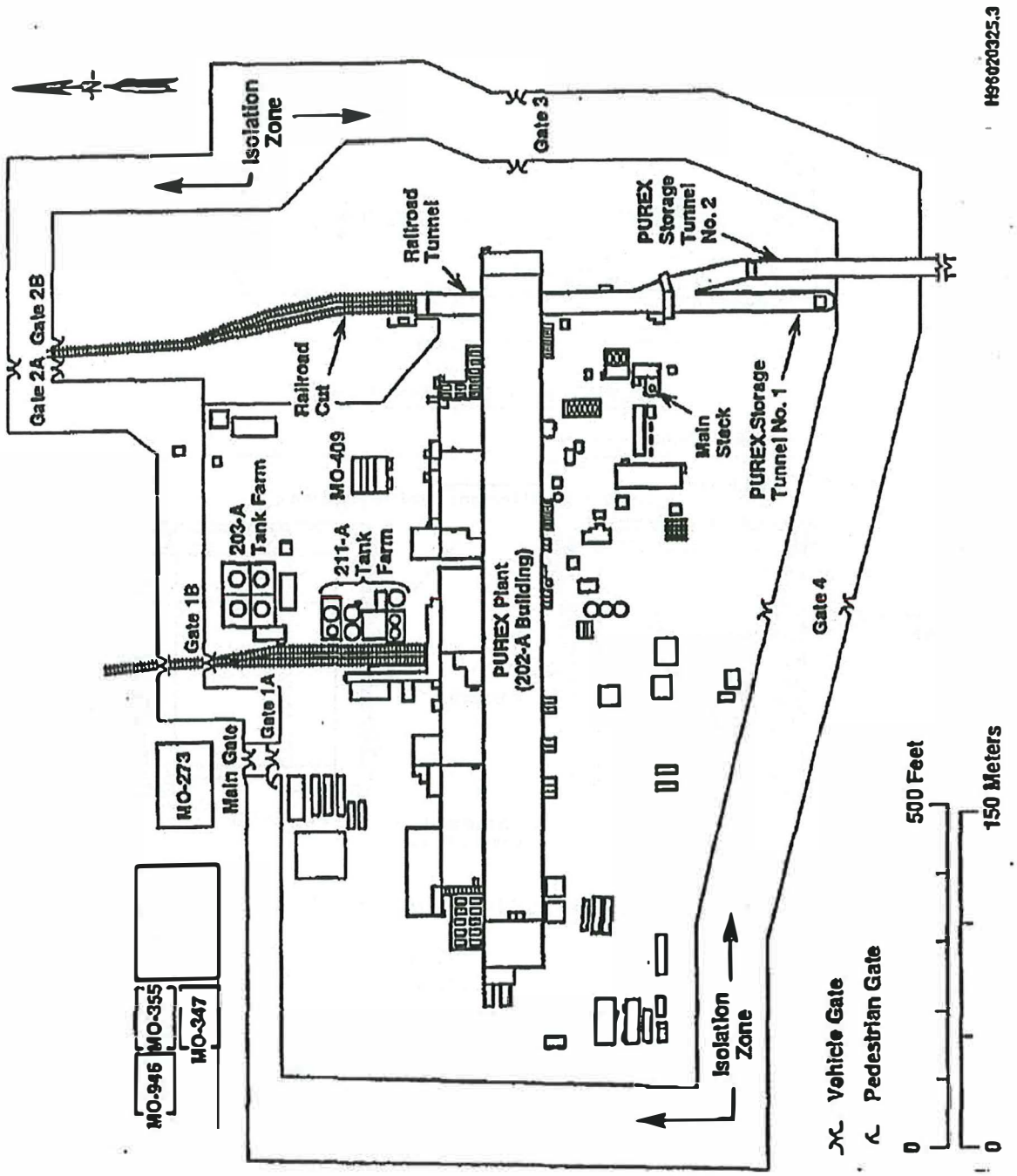
Section XIV:

*The values for estimated annual quantity represent the maximum quantity of waste placed in the tunnels in a year. The tunnels no longer receive waste.

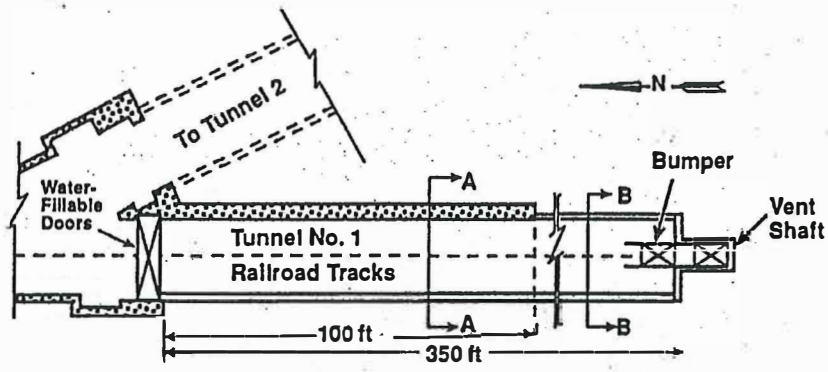
In Section VI, Facility contact is revised to update the DOE-RL contact. In Section VII, Facility Operator Information is revised to update change in Co-Operator. In Section XVIII, "Certifications" is revised to update Operator Name, Co-Operator name, and Facility-Property Owner name. The topographic map for the unit is updated to reflect the current mapping conventions. The changes in these sections and the topographic map will be effective January 25, 2021. No other changes have been made to the Part A form sections. The certification is limited to the changes effective January 25, 2021.


PUREX Plant
200E
PUREX Storage Tunnels
ANSON DRIVE
CANYON ROAD
PUREX DRIVE
4TH STREET
4TH STREET LOOP
CANTON AVENUE
PROCESS LANE
1ST STREET
Contour Interval: 1 Meter
The Hanford Site
Area Shown on Map
PUREX Storage Tunnels in the 200 East Area
TSD Unit Group Boundary
Contours at 1 Meter Intervals
Depression Contours at 1 Meter Intervals
Wells
DOE Operating Areas
Hanford Facility
SWMUs and Known Releases
Linear SWMUs and Known Releases
Spot SWMUs and Known Releases
Buildings & Mobiles
Structures
Major Roads
Service Roads
Railroads
Fences
Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
Created and Published by: Geospatial Information Technology Services (GITS)
Mission Support Alliance, Richland, WA (509) 373-9076
INTENDED USE: REFERENCE ONLY
Projection: Lambert Conformal Conic
Coordinate System: Washington State Plane, South Zone, Meters
Horizontal Datum: NAD83
Vertical Datum: NAVD88
Topographic Data:
1996, Bechtel Hanford, Inc.
20201209_PUREX_StorageTunnels_PermitXfer_28x40_Rev0 12/9/2020 01:58 PM

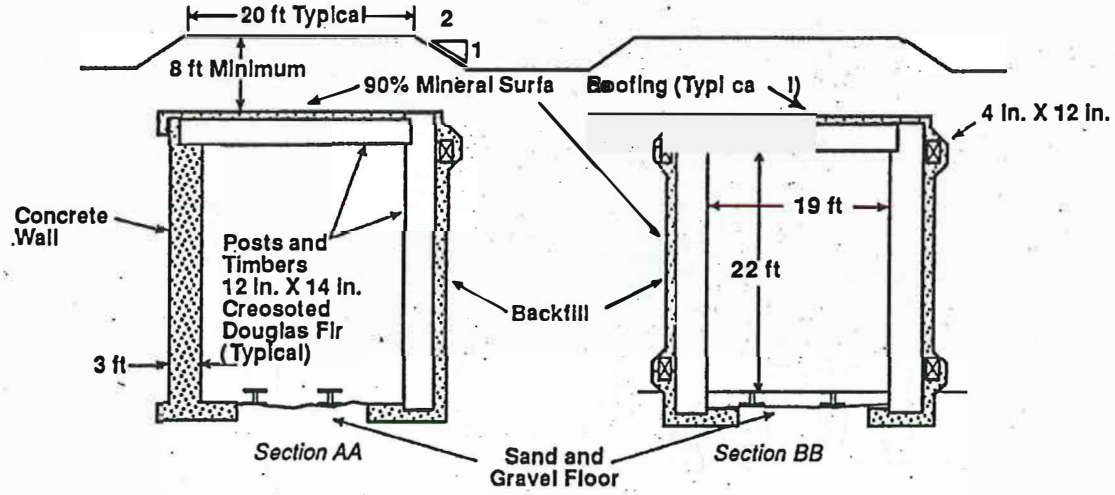
PUREX Tunnel Drawings



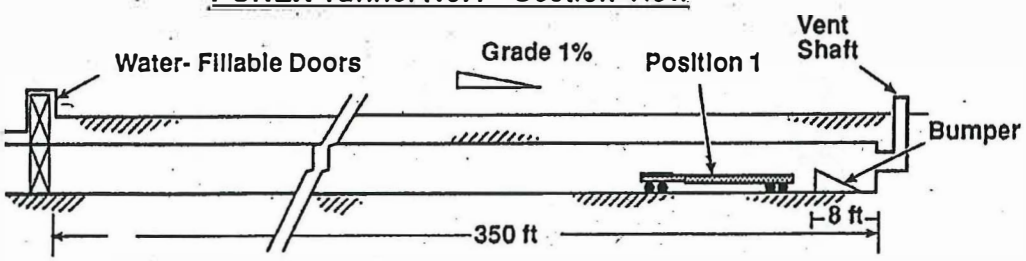
PUREX Tunnel No. 1 – Details



PUREX Tunnel No.1 - Plan View



PUREX Tunnel No.1 - Section View

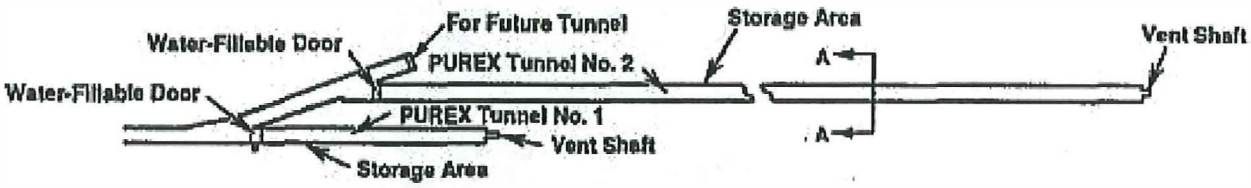


PUREX Tunnel No.1 - Elevation View

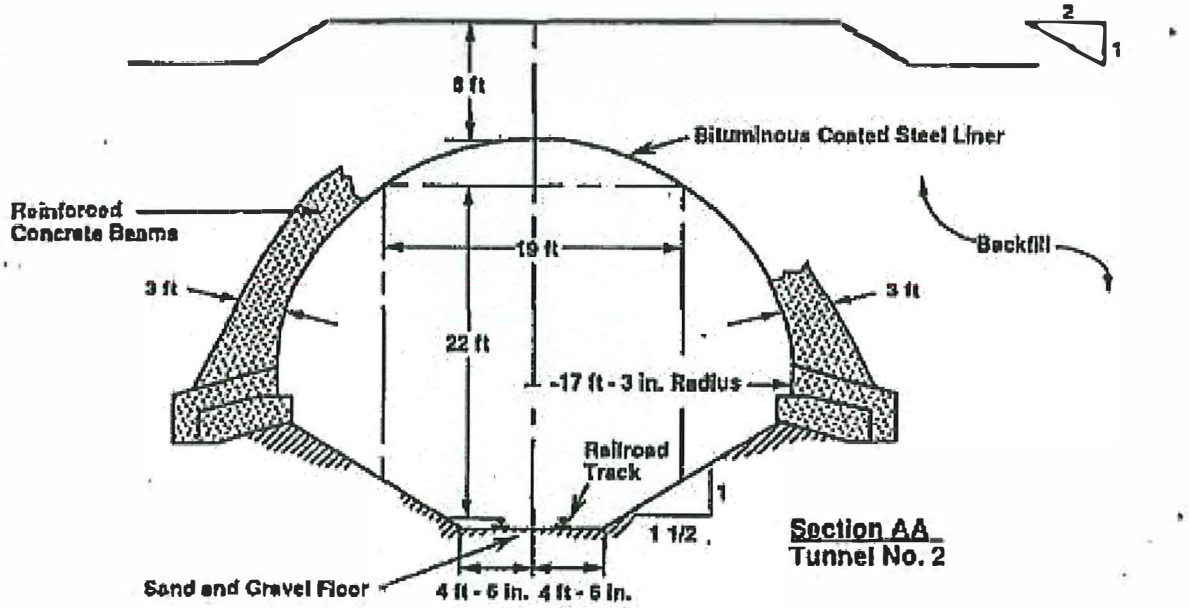
For conversion to meters, multiply feet by 0.3048.
For conversion to centimeters, multiply inches by 2.54.

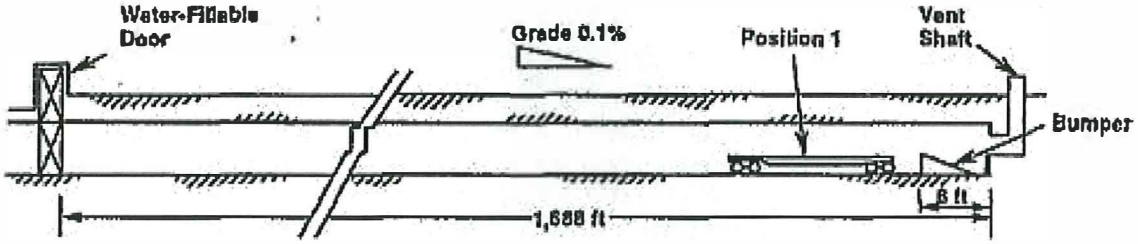
H96030106.2

PUREX Tunnel No. 2 – Details



PUREX Tunnels - Plan View

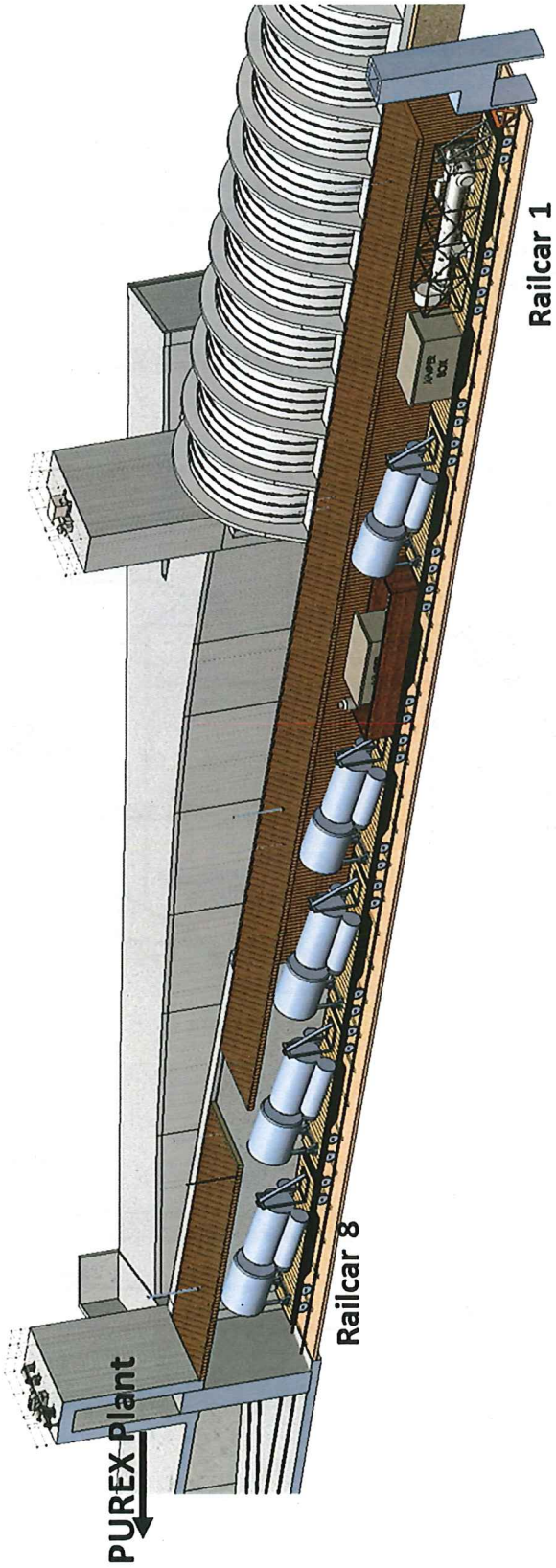




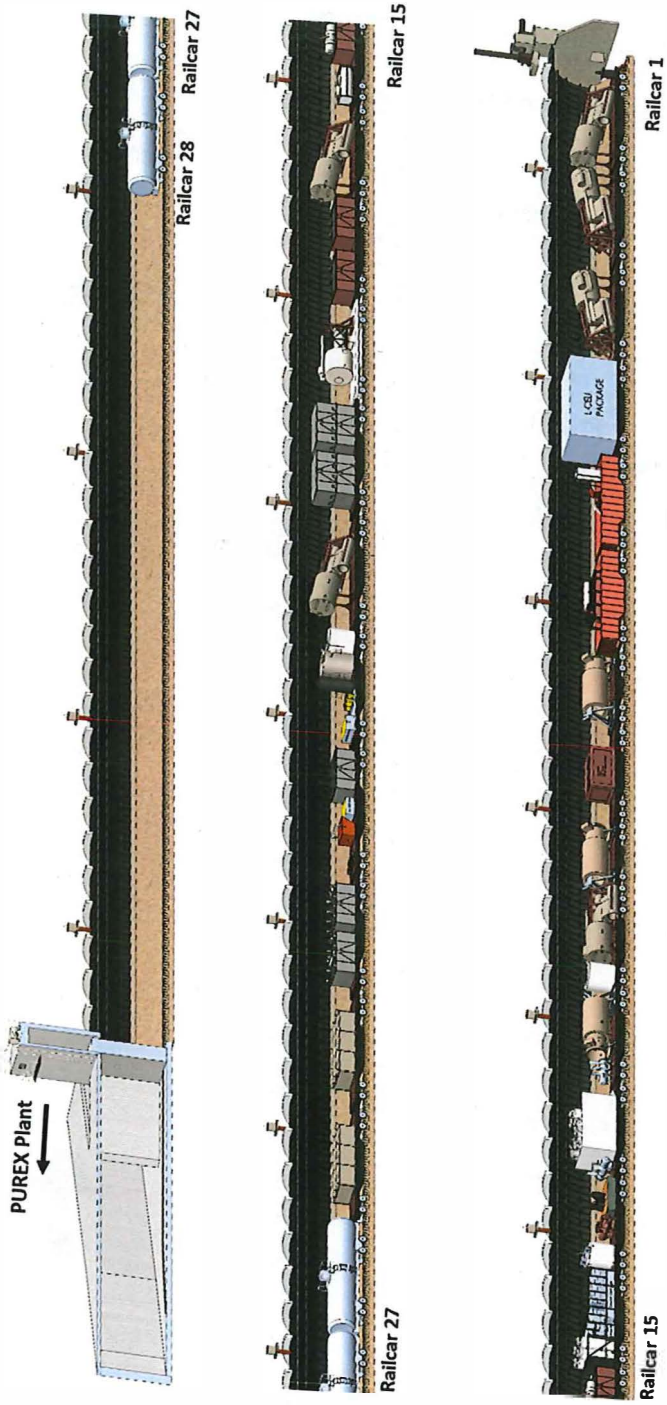
PUREX Tunnel No. 2 - Elevation View

For conversion to meters, multiply feet by 0.3048.
For conversion to centimeters, multiply inches by 2.54.

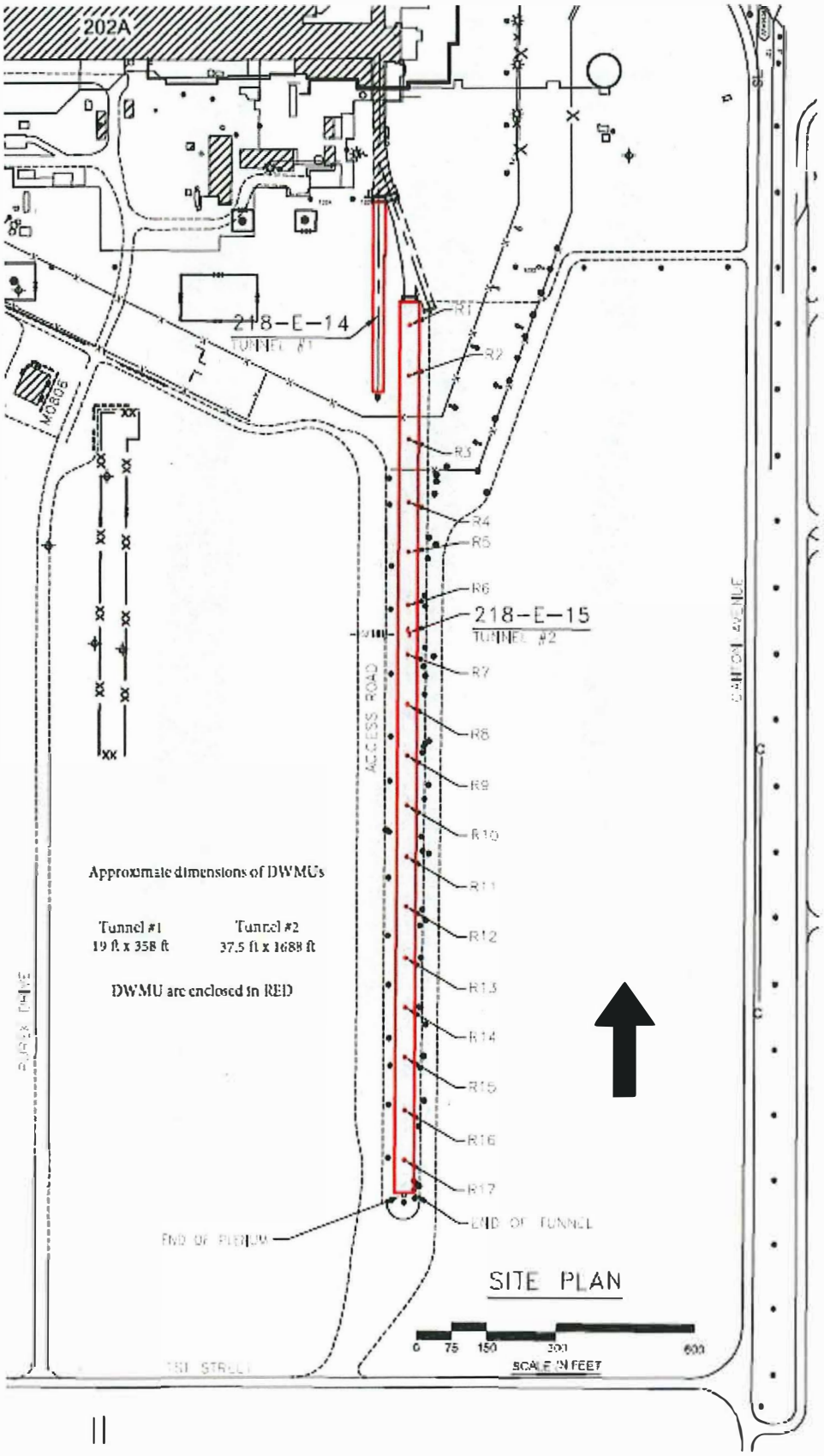
H9503180.1



PUREX Tunnel Number 1. The drawing shows a rendition of the eight railroad cars in the tunnel. The water-fillable door is to the left, and the end of the tunnel is to the right.



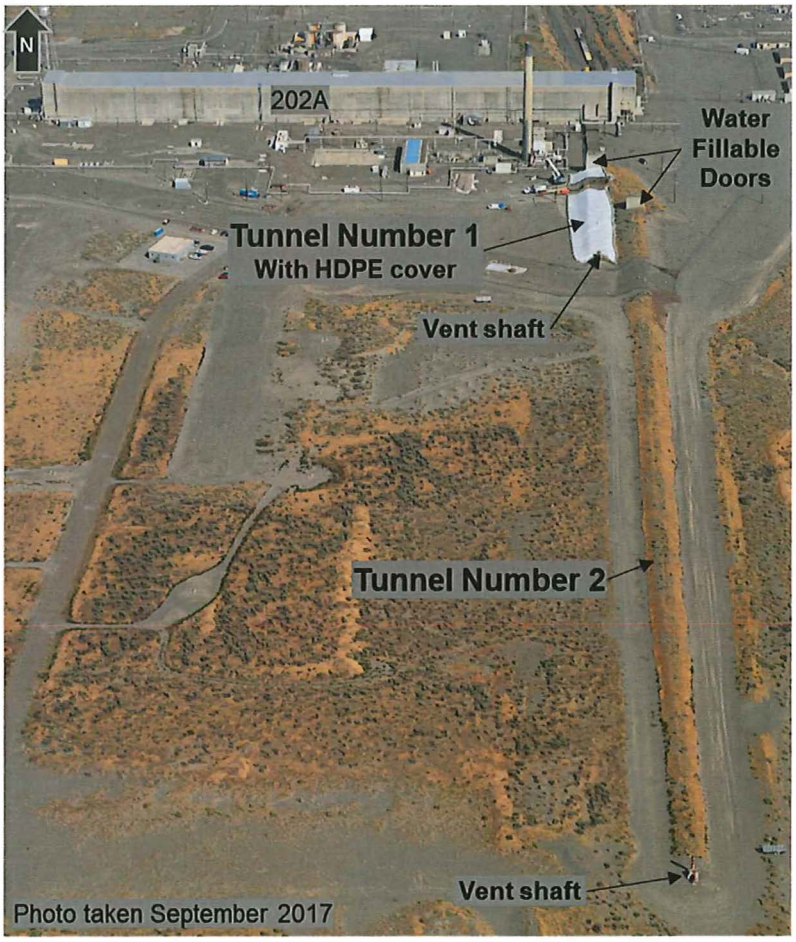
PUREX Tunnel Number 2. The drawing shows a rendition of the 28 railroad cars in the tunnel. The water-fillable door is at top left, and the end of the tunnel is at bottom right.



Dangerous Waste Management Unit Boundary

Chapter 1.16

PUREX Storage Tunnels



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Hanford Facility RCRA Permit Modification Notification Forms

Part III, Operating Unit Group 14 and Part V, Closure Unit Group

Waste Encapsulation and Storage Facility Unit

Index

Page 2 of 3: Part A Form and Part A, Attachment A

Page 3 of 3: Revision Instructions

Submitted by Co-Operator:

STEPHANIE JOHANSEN (Affiliate)

Digitally signed by STEPHANIE JOHANSEN (Affiliate)
Date: 2021.01.T2 10:11:49 -08'00'

Stephanie K. Johansen Date

Reviewed by DOE Program Office:

Duane Carter

Digitally signed by Duane Carter
Date: 2021.01.12 10:14:52 -08'00'

Duane B. Carter Date

Hanford Facility RCRA Permit Modification Form

Unit:	Permit Part
Waste Encapsulation and Storage Facility	***Part III, Operating Unit Group 14*** ***Part V, Closure Unit Group 6*** ***Unit Specific Conditions***

Description of Modification:

Update Addendum A, Part A Form for:

- Header – add "WA7890008967, Part III, Operating Unit Group 14, Waste Encapsulation and Storage Facility, January 25, 2021".

- Section VII. A., Facility Operator Information - delete "CH2M Hill Plateau Remediation Company Co-Operator for the Waste Encapsulation and Storage Facility" and add "Central Plateau Cleanup Company LLC Co-Operator for the Waste Encapsulation and Storage Facility". In the "Phone Number" field, delete "(509) 376-0556" and add "(509) 372-3845". In the "Street or P.O. Box" field, delete "CH2M Hill Plateau Remediation Company" and add "Central Plateau Cleanup Company LLC", and delete "P.O. Box 1600" and add "P.O. Box 1464".

- Section VII. C., Facility Operator Information - change "NO" to "YES" for co-operator change and update scheduled date for change to "01 25 2021".

- Section XVIII, Certifications, Co-Operator Name - delete "L. Ty Blackford" and add "Scott Sax". Delete the title "and Chief Executive Officer" and add "Project Manager". Delete the company name "CH2M Hill Plateau Remediation Company" and add "Central Plateau Cleanup Company LLC". Delete "P.O. Box 1600" and add "P.O. Box 1464". Delete "(509) 376-0556" and add "(509) 372-3845".

- Comments – After the sentences, "Attachment A contains pictures and topographic maps of WESF. See Ecology Administrative Records for a topographic map of the Hanford Facility" add:

  "In Section VII, Facility Operator Information is revised to update change in Co-Operator. In Section XVIII, "Certifications" is revised to update Operator Name and Co-Operator name. Section XIX, "Comments" is expanded onto Page 9a of 10. The topographic map for the unit is updated to reflect the current mapping conventions. The changes in these sections and the topographic map will be effective January 25, 2021. No other changes have been made to the Part A form sections. The certification is limited to the changes effective January 25, 2021."

Update Part A, Attachment A for:

- Figure A-2 – Delete previous topographical map and add updated topographical map.

WAC 173-303-830 Modification Class	Class 1	Class [1]1	Class 2	Class 3
Please mark the Modification Class:		X		

Enter relevant WAC 173-303-830, Appendix I Modification citation number:

In accordance with WAC 173-303-830(4)(d)…the permittee requests this modification be reviewed and approved as a Class [1]1.

Modification Approved: ☐ Yes ☐ No	Reviewed by Ecology:
	S. N. Schleif — Date

Revision Instructions:

Revise the Addenda A and AA to incorporate the changes shown herein.

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)

☒	**Request modification to a final status permit (commonly called a "Part B" permit)**	
☐	**Request a change under interim status**	
☐	**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).**	
☐	**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

U.S. Department of Energy – Hanford Facility

IV. Facility Location (Physical address not P.O. Box or Route Number)

A. Street

Refer to Permit Attachment 2 – Hanford Facility Permit Legal Description

City or Town	State	ZIP Code
Near Richland	WA	

County Code (if known)	County Name
0 0 5	Benton

B. Land Type	C. Geographic Location Latitude (degrees, mins, secs)	Longitude (degrees, mins, secs)	D. Facility Existence Date Month Day Year
F	Refer to TOPO Map (Attachment A)		1 1 1 9 1 9 8 0

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)**	
Vance	Brian	
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**	
U.S. Department of Energy Owner/Operator Central Plateau Cleanup Company LLC Co-Operator for the Waste Encapsulation and Storage Facility	(509) 376-7395 (509) 372-3845	
Street or P.O. Box		
U.S. Department of Energy P.O. Box 550	Central Plateau Cleanup Company LLC P.O. Box 1464	
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?	☒ **Yes** ☐ **No**	
If yes, provide the scheduled date for the change:	**Month** 01	**Day** 25 / **Year** 2021
D. Is the name listed in VII.A. also the owner? If yes, skip to Section VIII.C.	☒ **Yes** ☐ **No**	

VIII. Facility Owner Information		
A. Name	**Phone Number (area code and number)**	
U.S. Department of Energy Owner/Operator	(509) 376-7395	
Street or P.O. Box		
P.O. Box 550		
City or Town	**State**	**ZIP Code**
Richland	WA	99352

B. Owner Type	F

C. Does the name in VIII.A reflect a proposed change in owner?	☐ Yes ☒ No
If yes, provide the scheduled date for the change:	Month / Day / Year

IX. NAICS Codes (5/6 digit codes)

A. First		B. Second	
562211	Waste Treatment & Disposal	924110	Administration of Air & Water Resource & Solid Waste Management Programs
C. Third		**D. Fourth**	
541715	Research & Development in the Physical, Engineering, & Life Sciences	562910	Remediation Services

X. Other Environmental Permits (see instructions)

A. Permit Type	B. Permit Number	C. Description
E	AOP00-05-006	Title V Air Operating Permit (AOP) Incorporation of current non-radiological Notice of Construction permits and FF-01 radiological licenses into the AOP may be delayed up to 2 years.
E	ST00045 11	WAC 173-216 State Waste Discharge Permit Program, Sitewide Permit for Miscellaneous Streams

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

The Waste Encapsulation and Storage Facility (WESF) was constructed on the west end of B Plant between 1971 and 1973 to encapsulate and store radioactive cesium and strontium salts that had been separated from the Hanford Facility radioactive tank waste. The radioactive cesium is stored as cesium chloride, and the strontium is stored as strontium fluoride. Due to impurities in the salts, the waste was designated as mixed waste. WESF has stored the encapsulated salts since operations began in 1974, and mixed waste management activities were initiated on July 14, 1997.

WESF is a two-story building ~47.5 by 28 by 11.7 m (156 by 91 by 38.5 ft) constructed of steel reinforced concrete. WESF is partitioned into seven hot cells, the hot cell service area, operating areas, building service areas, truckport, and the pool cell area. There are four dangerous waste management units (DWMUs) at WESF: three are operating and one is closing. The three operating DWMUs consist of the Hot Cell G DWMU, the Pool Cells DWMU, and the Truckport DWMU. The closing DWMU consists of Hot Cells A through F, which have been filled with grout as part of initial closure activities to stabilize legacy contamination. The hot cell service area is located on the south side of the hot cells and was used for access into Hot Cells A and G. The operating areas and other building service areas associated with the hot cells provide areas for instrumentation monitoring, utility support, or manipulator repair, as required.

The mixed waste being managed at WESF is the cesium and strontium capsules stored in the Pool Cells. The mixed waste is stored in stainless steel and Hastelloy® C-276 capsules with a maximum outer height of ~55.4 cm (~21.8 in.) and maximum diameter of ~8.26 cm (~3.25 in.).

The WESF DWMUs have been classified as X99 storage units. Classification of the WESF DWMUs as miscellaneous units is necessary because of the unique radiological characteristics of the cesium and strontium capsules which requires specialized management systems and requirements, other than those applicable to container storage units. Miscellaneous units do not clearly fit into a regulatory category, such as a container storage unit, containment building, or tank system. WAC 173-303-680, “Dangerous Waste Regulations,” “Miscellaneous Units,” require that miscellaneous units be located, designed, constructed, and operated in a way that protects human health and the environment according to those provisions most appropriate to the unit being permitted. Terms and provisions most appropriate to WESF are those applicable requirements of WAC 173-303-630, “Use and Management of Containers.”

WESF DWMUs will store the cesium and strontium capsules until they are transitioned to dry storage at the Capsule Interim Storage (CIS) Operating Unit Group. Major Milestone M-092 addresses the disposition path for the cesium and strontium capsules, with a milestone due date of August 31, 2025, to complete the transfer of the cesium and strontium capsules from WESF to a new permitted interim safe storage facility. Until the CIS is completed, WESF DWMUs will continue to store and manage the cesium and strontium capsules.

In addition to capsule storage, WESF also generates waste from routine maintenance and processing operations. Waste can include batteries, oils, solvents, paints, miscellaneous debris, and discarded chemicals. Mixed waste generated from routine maintenance and processing operations is accumulated in a satellite or central accumulation area in accordance with WAC 173-303-174, “Satellite Accumulation Area Regulations for Medium Quantity Generators and Large Quantity Generators” and WAC 173-303-200, “Conditions for Exemption for a Large Quantity Generator that Accumulates Dangerous Waste.” Universal waste is managed at WESF in accordance with WAC 173-303-573, “Standards for Universal Waste Management.”

NAICS Code 562910, Remediation Services, does not apply to the WESF Operating Unit Group.

Pool Cells

The WESF pool cell area consists of 12 pools lined with stainless steel. The Pool Cell DWMU consists of Pool Cells 1 through 8 and 12, which are used for capsule storage. A total of 1,936 capsules (601 strontium capsules and 1,335 cesium capsules) are stored within the pool cells. Each pool cell is filled with water to a depth of ~4 m (13 ft), and is equipped with a monitoring system to detect any leakage from capsules. The water cools the capsules and provides radiation shielding. Pool Cell 12 is used to move capsules from Hot Cell G and from pool cell to pool cell.

Pool Cells 9, 10, and 11 are not configured to store capsules; therefore, they are not part of the Pool Cell DWMU and are not subject to treatment, storage, and disposal (TSD) requirements under the permit.

® Hastelloy is a registered trademark of Haynes International, Kokomo, Indiana.

Hot Cell G

Hot Cell G was used to perform inspections of capsules. Historically, both Hot Cell F and Hot Cell G were available to support contingency operations in the event of a capsule failure. Due to closure of Hot Cell F, Hot Cell G currently supports such events. Upon discovery of a suspected failure, a capsule would be brought into Hot Cell G for inspection and testing; it would then be placed into shielded storage pending development of a full recovery plan. Hot Cell G continues to provide a location for welding, testing, and storage, should installation of overpacks onto capsules be required.

Furthermore, Hot Cell G supports loading of capsules into overpack containment, referred to as Universal Capsule Sleeves (UCS), to facilitate transport and eventual removal of the capsules from WESF. UCSs are stored in Hot Cell G prior to transporting and loading into the designated location within the Cask Storage System (CSS) located in the Truckport.

Truckport

The Truckport DWMU consists of the enclosed Truckport. The Truckport will be used to store mixed waste, and to support capsule transfer operations by providing necessary equipment used to transport, load, and store CSSs, while the Truckport Apron will be used to temporarily locate the vertical concrete casks (VCCs) prior to transport. The Truckport Apron is used for CSS transport and is not part of the DWMU.

Hot Cell A through Hot Cell F

Waste and drum load out was performed in Hot Cell A during production operations. Hot Cells B through E were used to convert strontium nitrate and cesium carbonate into strontium fluoride and cesium chloride salts. The hot cells were also used to place the salt into capsules along with welding and leak testing of the capsules. Hot Cell F remained operational to support contingency operations in the event of a capsule leak by providing storage of capsules to allow continued personnel access to Hot Cell G; however, Hot Cell G was never used for that purpose. With the addition of shielded storage to Hot Cell G, Hot Cell F was determined unnecessary for contingency operations. Initial closure activities to support clean closure of Hot Cell A through Cell F are detailed in the Closure Unit Group 6 portion of the Hanford Site-Wide Permit.

Storage Capacity Pool Cells

Capsules can be stored in Pool Cells 1, 3, 4, 5, 6, 7, and 12. Pool Cells 2 and 8 are part of the TSD boundary, but there is no capability to store capsules there. Pool Cells 1, 3, 4, 5, 6, and 7 contain engineered devices (capsule storage racks) to store the capsules.

The total storage capacity of the Pool Cells DWMU is 1,936 capsules. Since each capsule has a maximum volume of 1 L (0.264 gal), this equates to a total capacity of 1,936 L (511.4 gal). The total mass of cesium and strontium salts was calculated by subtracting the empty capsule weight from the gross weight of a loaded capsule. The total mass of the salts is 5,049 kg (11,131 lb).

Storage Capacity G Cell

During capsule loading operations, a single UCS holding six capsules will be in Hot Cell G at a time. The new shielded storage can hold one capsule. An additional two capsules have been included in the maximum capacity to account for any required preloading operations or capsule inspection of a potentially breached capsule. Therefore, Hot Cell G has a maximum capacity of nine capsules. Assuming 1 L(0.264 gal)/capsule, this equates to 9 L (2.38 gal).

Storage Capacity Truckport

The Truckport supports loading, transporting, staging, and storing of CSSs. The CSS consists of a VCC, which provides protection of the contents from external hazards. Within the VCC is the transportable storage canister (TSC) structure, which houses the TSC basket. The TSC basket houses up to two UCSs inside each of the 11 cell locations, and each UCS holds up to six cesium or strontium capsules. Therefore, the CSS holds up to 132 capsules. Since the Truckport can only support one VCC at a time, the maximum design capacity is 132 capsules. Assuming 1 L (0.264 gal)/capsule, this equates to 132 L (34.8 gal).

Collectively, the total combined process design storage capacity for the WESF DWMUs is 1,936 L (511.4 gal; Pool Cells, Hot Cell G and Truckport combined).

EXAMPLE FOR COMPLETING ITEMS XII and XIII (shown in lines numbered X-1, X-2, and X-3 below):

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	X	9	9	1,936	L	004		1	X	9	9	1,936	L	001	Pool Cells
	2								2	X	9	9	9	L	001	Hot Cell G
	3								3	X	9	9	0	L	001	Hot Cell A through Hot Cell F
	4								4	X	9	9	132	L	001	Truckport
	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									D. Processes (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	5	5,049	K	X	9	9							Storage
2	D	0	0	6												Included Above
3	D	0	0	7												Included Above
4	D	0	0	8												Included Above
5	D	0	1	1												Included Above
6																
7																
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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.

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).

Photographs are included in Attachment A.

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) Brian Vance, Manager U.S. Department of Energy Richland Operations Office		**Date Signed** 1/22/2021
Co-Operator* Name and Official Title (type or print) Scott Sax, President and Project Manager Central Plateau Cleanup Company LLC	SCOTT SAX (Affiliate) Digitally signed by SCOTT SAX (Affiliate) Date: 2021.01.20 05:04:10 -08'00'	**Date Signed**
Co-Operator – Address and Telephone Number* P.O. Box 1464 Richland, WA 99352 (509) 372-3845		
Facility-Property Owner Name and Official Title (type or print) Brian Vance, Manager U.S. Department of Energy Richland Operations Office		**Date Signed** 1/22/2021

XIX. Comments

Attachment A contains pictures and topographic map of WESF. See Ecology Administrative Records for a topographic map of the Hanford Facility.

XIX. Comments (Cont'd):

In Section VII, Facility Operator Information is revised to update change in Co-Operator. In Section XVIII, "Certifications" is revised to update Co-Operator name. Section XIX, Comments is expanded onto Page 9a of 10. The topographic map for the unit is updated to reflect the current mapping conventions. The changes in these sections and the topographic map will be effective January 25, 2021. No other changes have been made to the Part A form sections. The certification is limited to the changes effective January 25, 2021.

Attachment A

Photographs & Topographic Map

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Figures

Figure A-1. WESF Aerial Photo Operating and Closing Units (2012 Aerial Image) A-A-1
Figure A-2. WESF Topographic Map Operating and Closing Units A-A-3
Figure A-3. WESF 225-B Building Detailed First Floor Plan A-A-5
Figure A-4. WESF Building A-A-6
Figure A-5. Manipulators Outside of Hot Cell A A-A-7
Figure A-6. Hot Cell B A-A-8
Figure A-7. Hot Cell C A-A-9
Figure A-8. Hot Cell D A-A-10
Figure A-9. Hot Cell E A-A-11
Figure A-10. Hot Cell F A-A-12
Figure A-11. Hot Cell G A-A-13
Figure A-12. Hot Cells A-G A-A-14
Figure A-13. Pool Cells Capsule Handling A-A-15
Figure A-14. Pool Cells A-A-16
Figure A-15. Pool Cells Storage Racks A-A-17
Figure A-16. Pool Cell 1 ..... A-A-18
Figure A-17. Pool Cell 2 ..... A-A-19
Figure A-18. Pool Cell 3 ..... A-A-20
Figure A-19. Pool Cell 4 ..... A-A-21
Figure A-20. Pool Cell 5 ..... A-A-22
Figure A-21. Pool Cell 6 ..... A-A-23
Figure A-22. Pool Cells 7 and 8 ..... A-A-24
Figure A-23. Pool Cell 12 ..... A-A-25
Figure A-24. Pool Cells 1-8 and 12 ..... A-A-26
Figure A-25. Truckport DWMU (facing east) A-A-27
Figure A-26. Truckport (facing west) A-A-29
Figure A-27. Aerial View of B Plant and WESF A-A-29
Figure A-28. Aerial View of WESF Facing Northeast A-A-30
Figure A-29. Aerial View of WESF Facing South A-A-31

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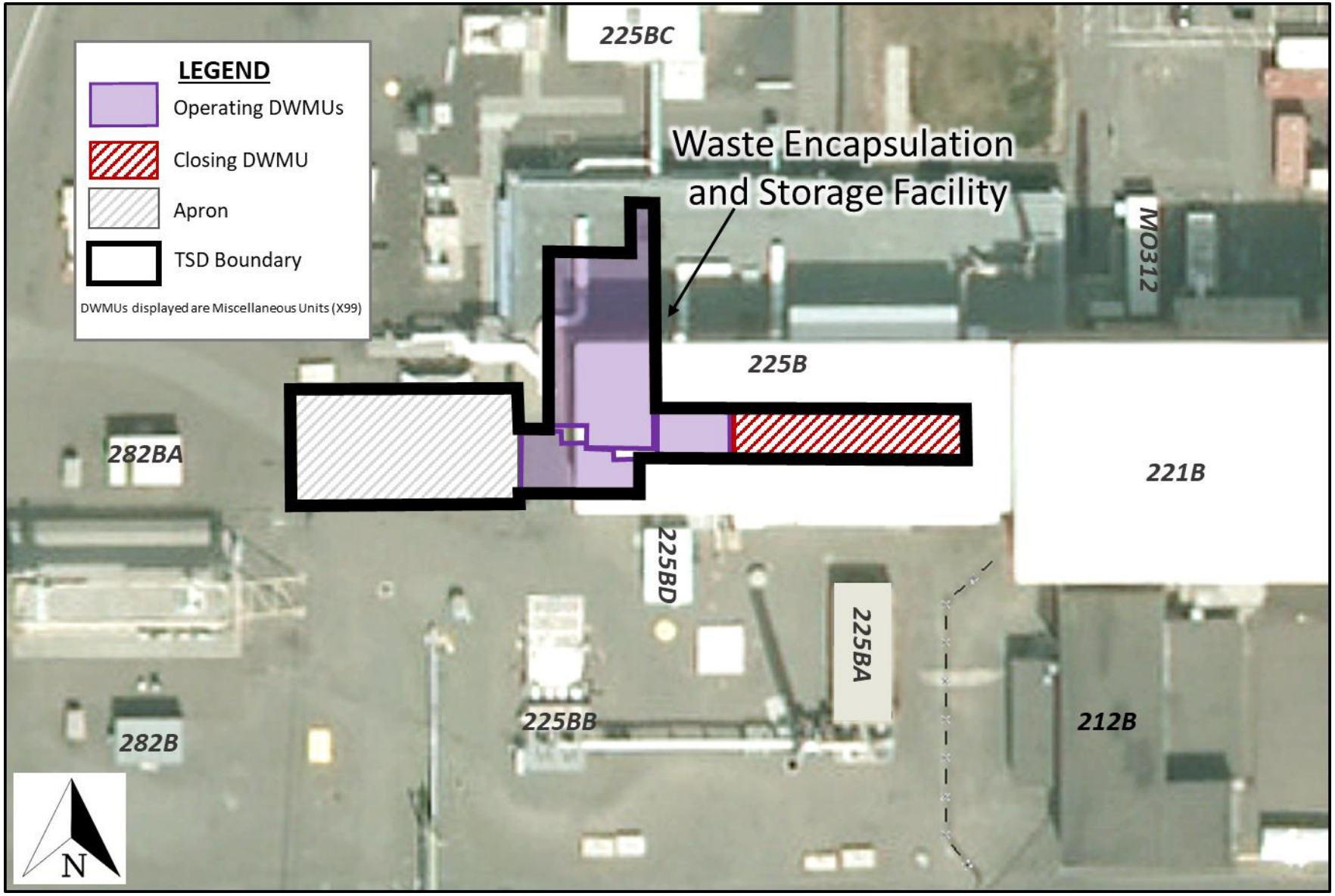

Figure A-1. WESF Aerial Photo Operating and Closing Units (2012 Aerial Image)

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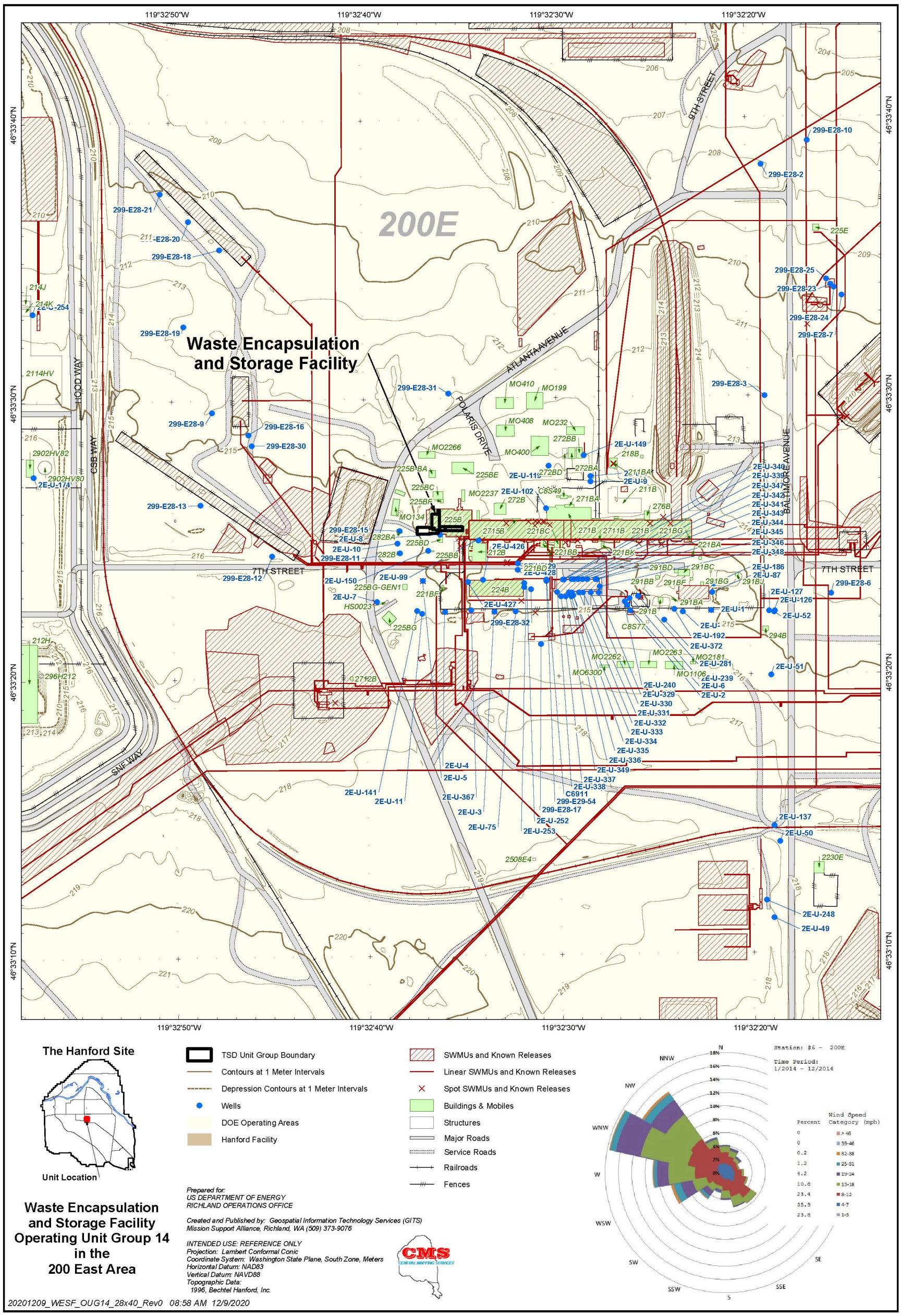

Figure A-2. WESF Topographic Map Operating and Closing Units

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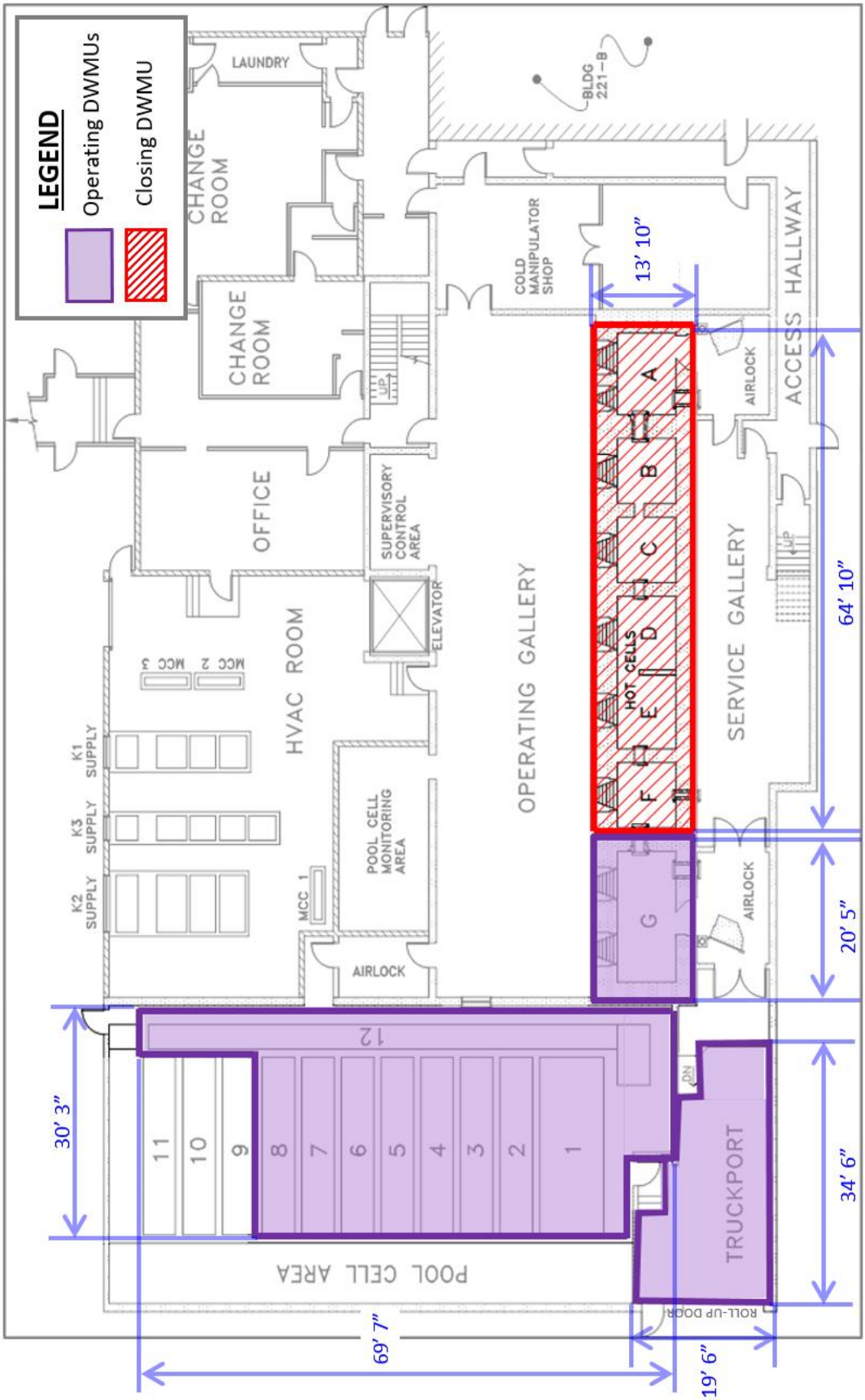


Figure A-3. WESF 225-B Building Detailed First Floor Plan

Note: Photo was taken in July 2019

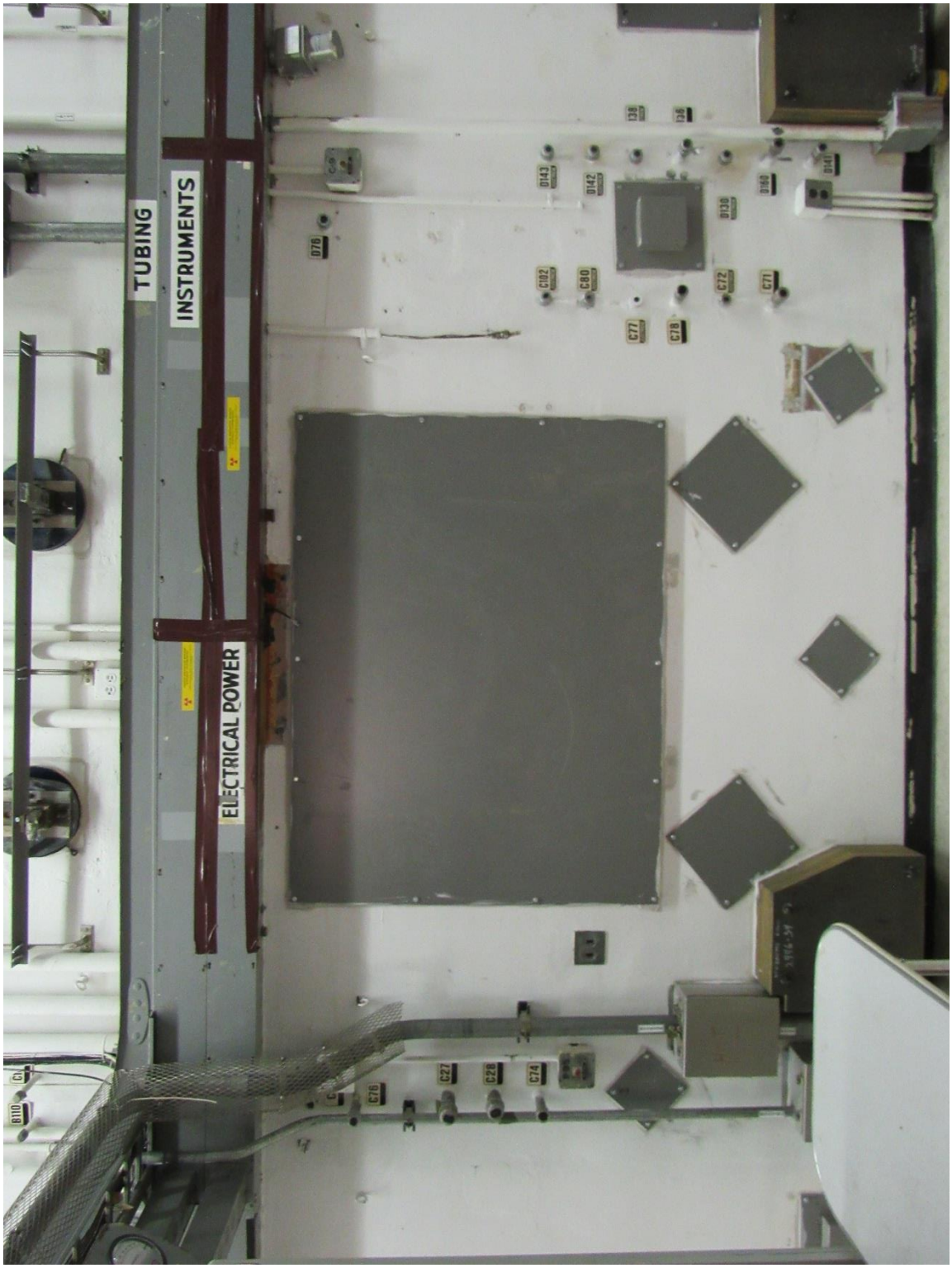
Figure A-4. WESF Building

Note: Photo was taken in July 2017.

Figure A-5. Manipulators Outside of Hot Cell A

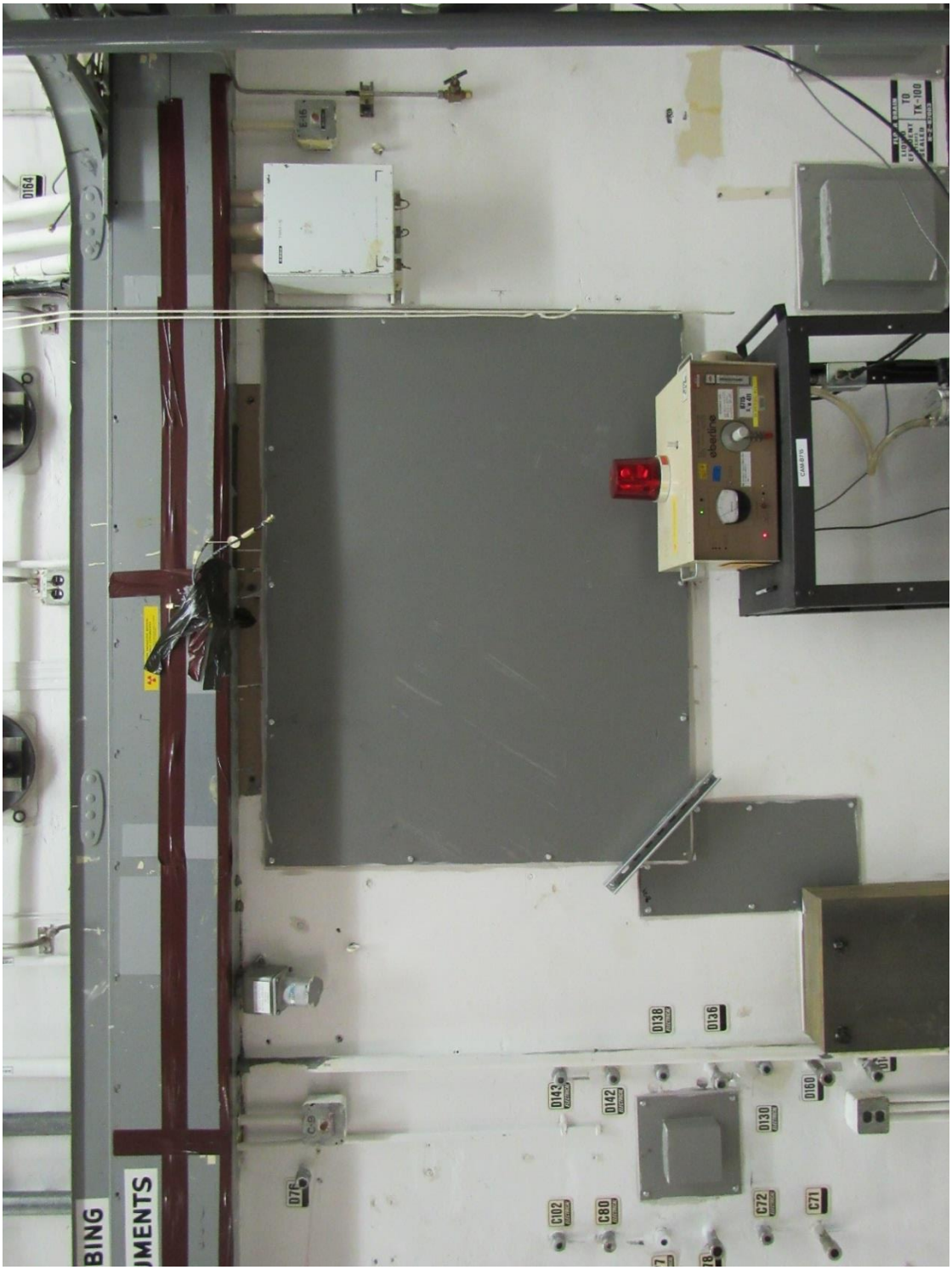
Note: Photo was taken in July 2017.

Figure A-6. Hot Cell B



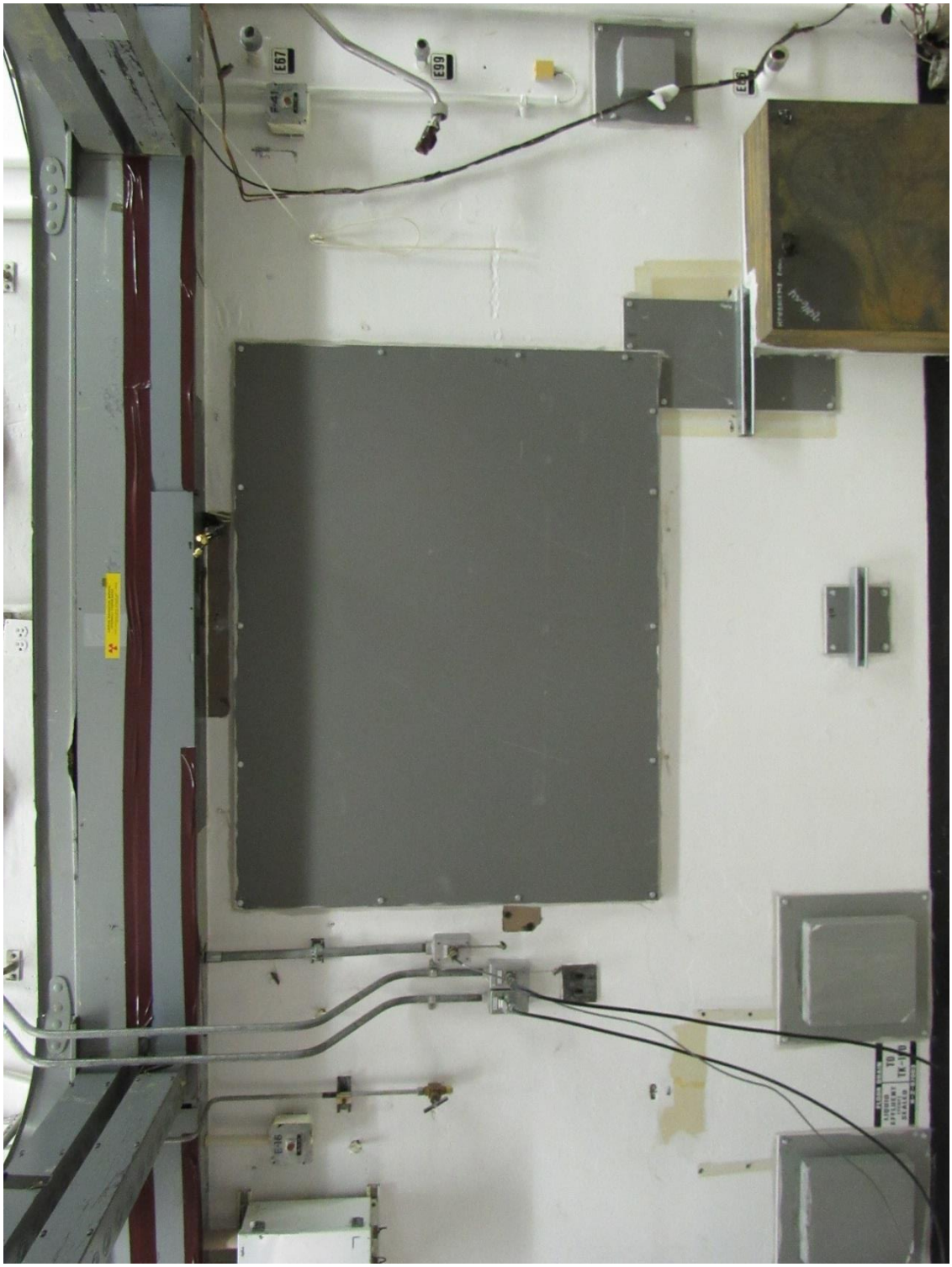
Note: Photo was taken in July 2017.

Figure A-7. Hot Cell C



Note: Photo was taken in July 2017.

Figure A-8. Hot Cell D

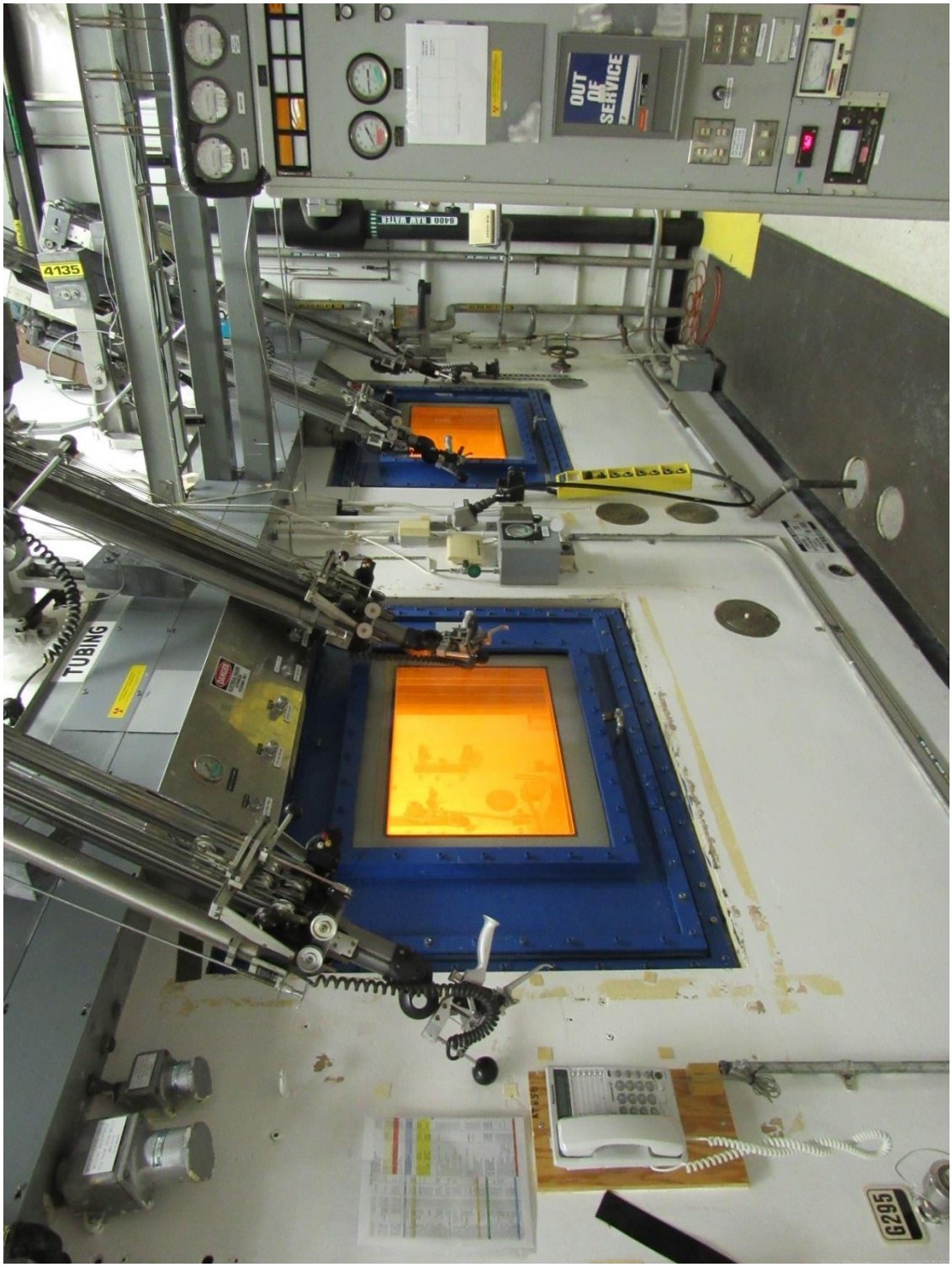


Note: Photo was taken in July 2017.

Figure A-9. Hot Cell E

Note: Photo was taken in July 2017.

Figure A-10. Hot Cell F

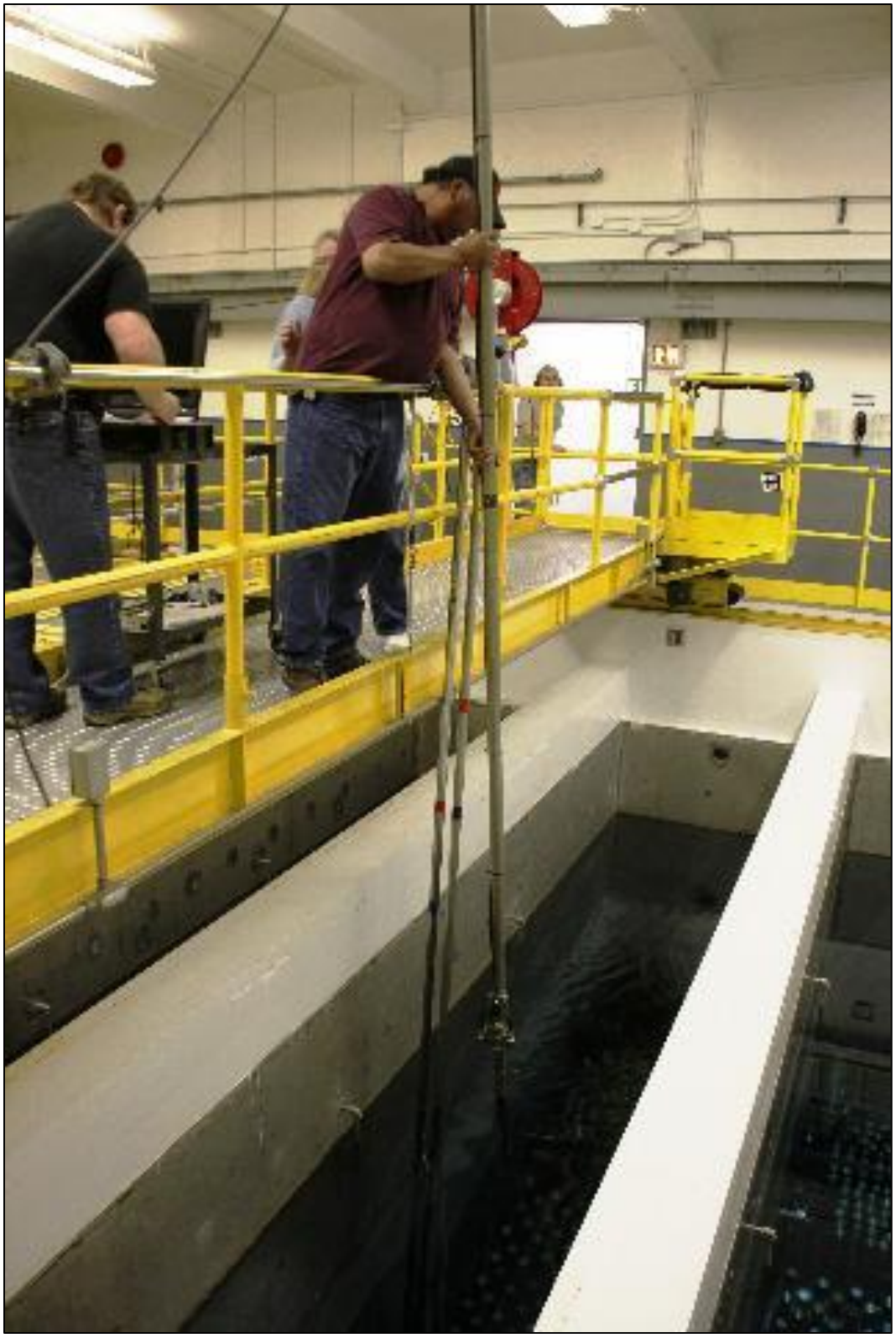


Note: Photo was taken in July 2017.

Figure A-11. Hot Cell G

Note: Photo was taken in July 2017.

Figure A-12. Hot Cells A-G

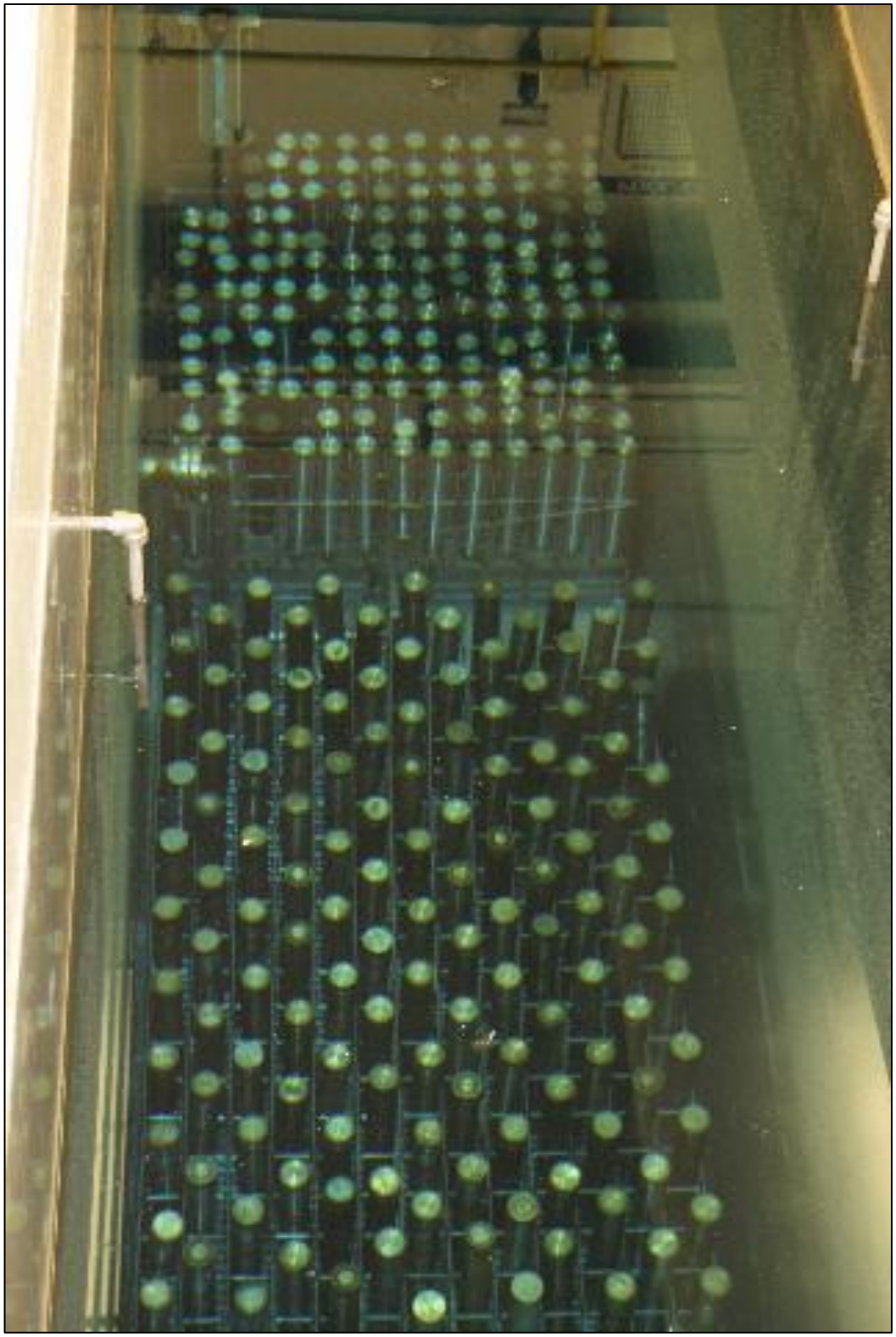


Note: Moving capsules in June 2012.

Figure A-13. Pool Cells Capsule Handling

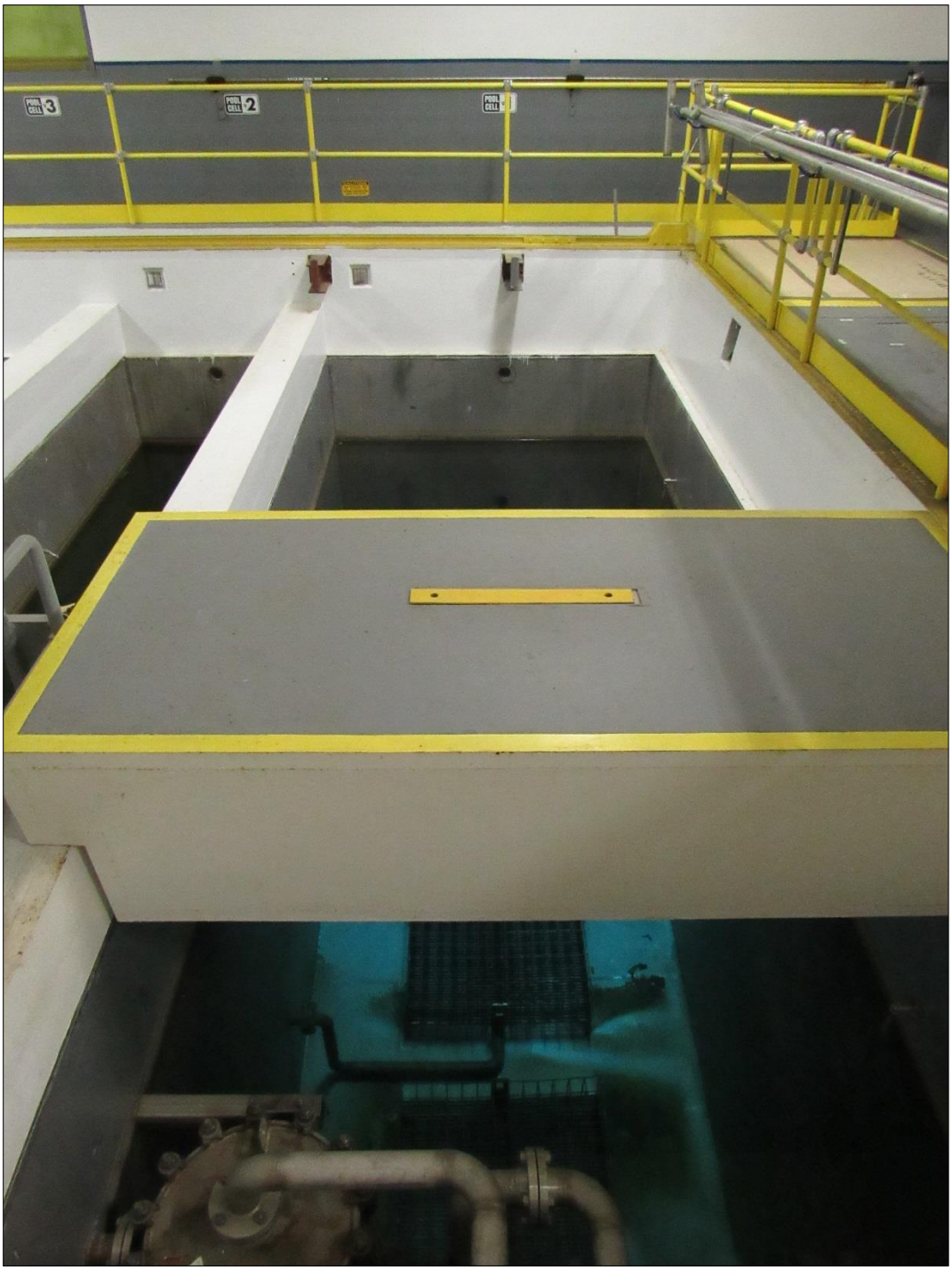
Note: Top view is from June 2012.

Figure A-14. Pool Cells



Note: Top view is from June 2012.

Figure A-15. Pool Cells Storage Racks

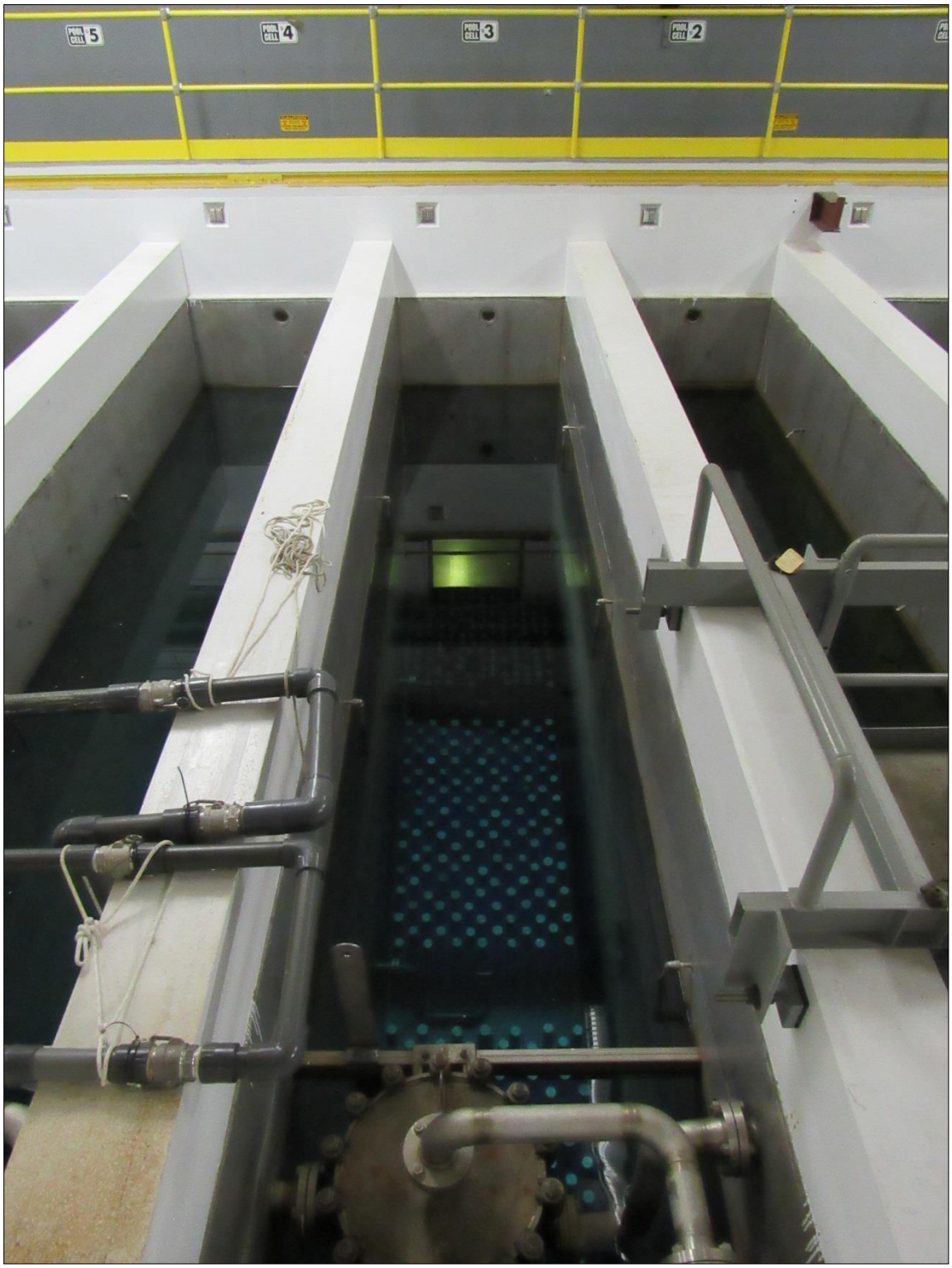


Note: Pool Cell 1 in November 2016.

Figure A-16. Pool Cell 1

Note: Pool Cell 2 in November 2016.

Figure A-17. Pool Cell 2



Note: Pool Cell 3 in November 2016.

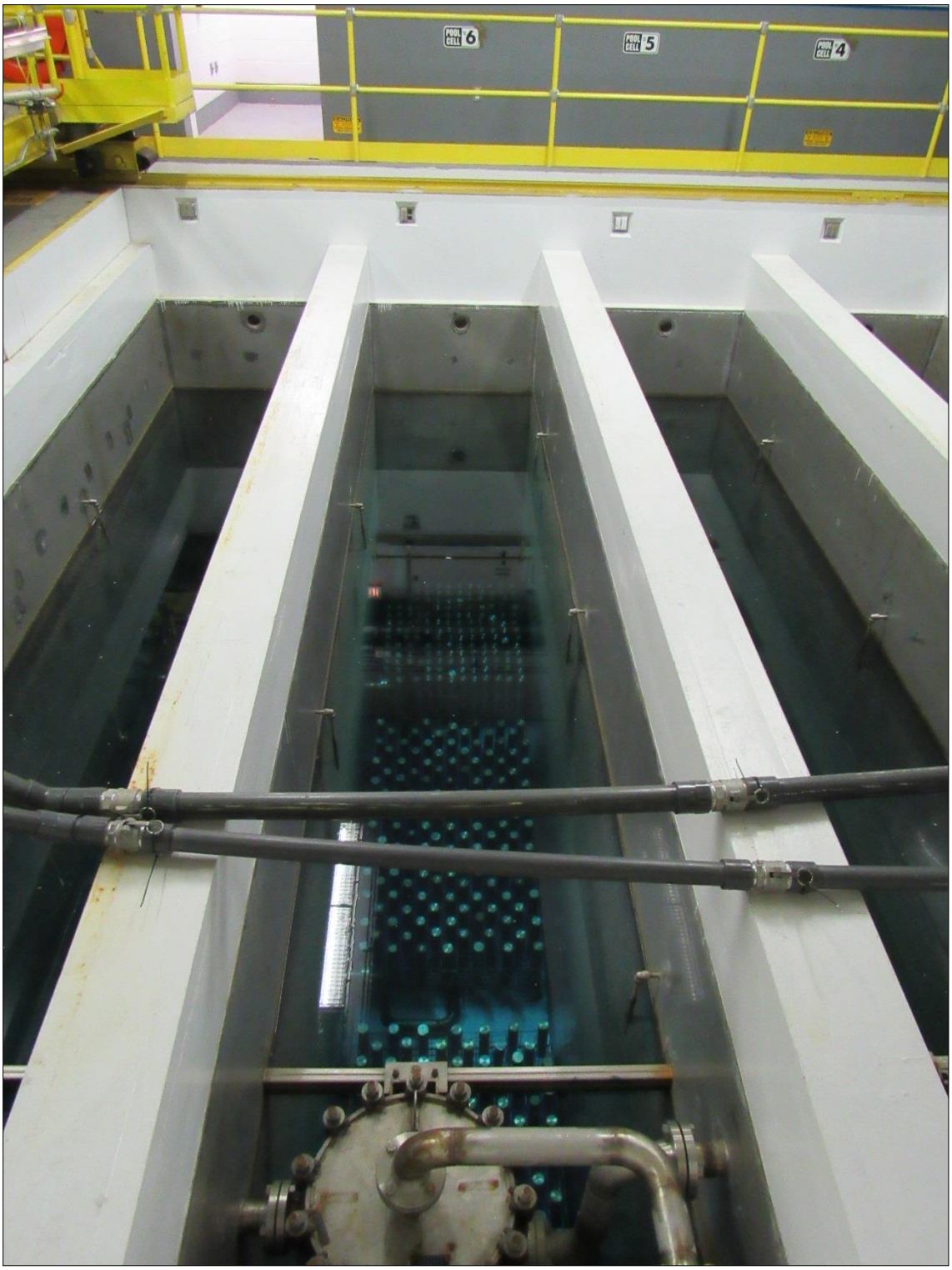
Figure A-18. Pool Cell 3

Note: Pool Cell 4 in November 2016.

Figure A-19. Pool Cell 4

Note: Pool Cell 5 in November 2016.

Figure A-20. Pool Cell 5



Note: Pool Cell 6 in November 2016.

Figure A-21. Pool Cell 6

Notes: Pool Cells 7 and 8 in November 2016. Pool Cell 8 is used for shielding purposes only, not for capsule storage.

Figure A-22. Pool Cells 7 and 8

Note: Pool Cell 12 in November 2016.

Figure A-23. Pool Cell 12

Note: Pools Cells 1-8 and 12 in November 2016.

Figure A-24. Pool Cells 1-8 and 12

Note: Truckport DWMU in June 2017.

Figure A-25. Truckport DWMU (facing east)

Note: Truckport DWMU in July 2019

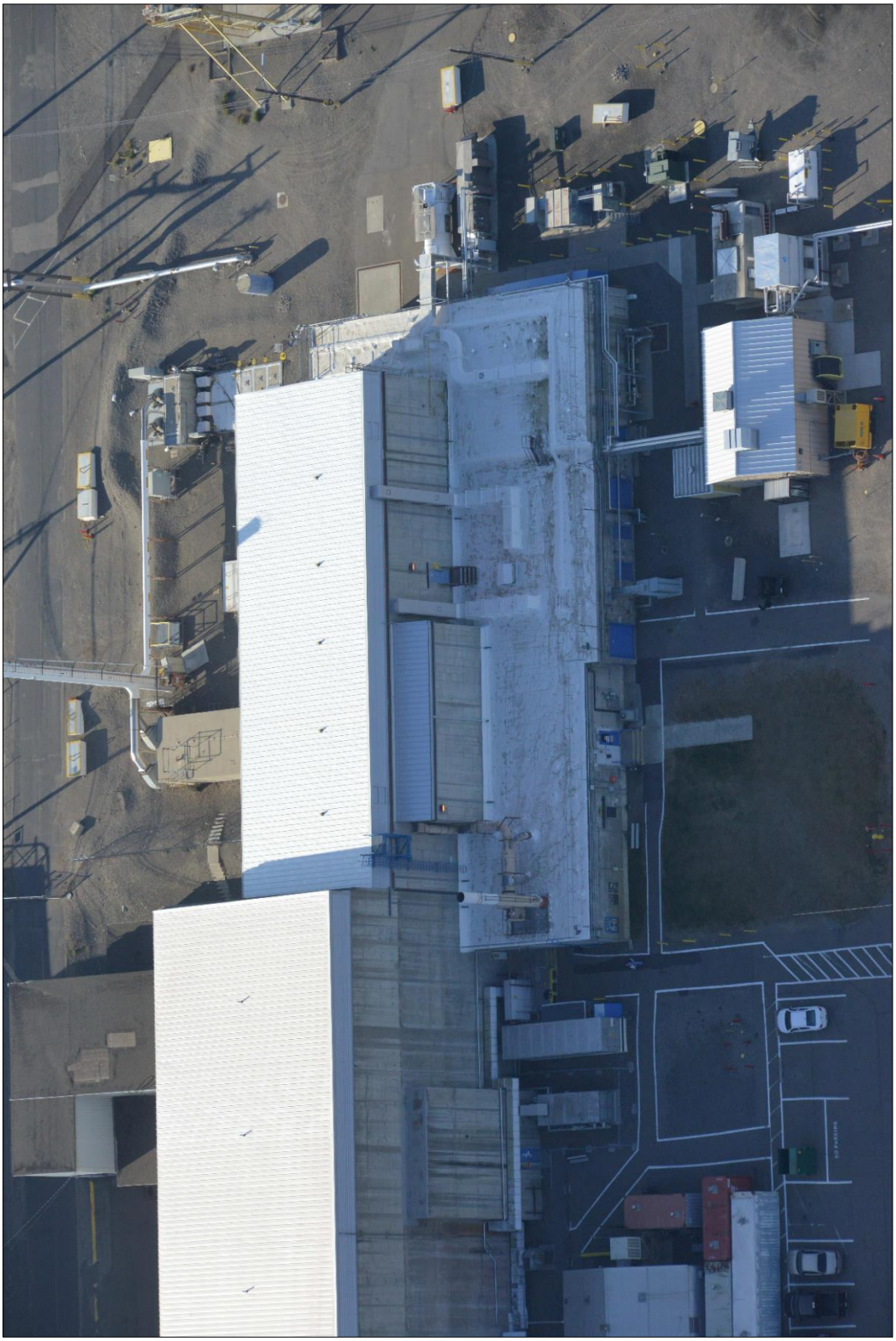
Figure A-26. Truckport (facing west)

Note: Aerial view of B Plant and WESF facing south in July 2014. See WESF at far right of photograph.

Figure A-27. Aerial View of B Plant and WESF

Note: Aerial view of WESF facing northeast in July 2014.

Figure A-28. Aerial View of WESF Facing Northeast



Note: Aerial view of WESF facing south in July 2014.

Figure A-29. Aerial View of WESF Facing South

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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)

☒	Request modification to a final status permit (commonly called a "Part B" permit)	
☐	Request a change under interim status	
☐	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).	
☐	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

U.S. Department of Energy – Hanford Facility

IV. Facility Location (Physical address not P.O. Box or Route Number)

A. Street

Refer to Permit Attachment 2 – Hanford Facility Permit Legal Description

City or Town	State	ZIP Code
Near Richland	WA	

County Code (if known)	County Name
0 0 5	Benton

B. Land Type	C. Geographic Location Latitude (degrees, mins, secs)	Longitude (degrees, mins, secs)	D. Facility Existence Date Month Day Year
F	Refer to TOPO Map (Attachment A)		1 1 1 9 1 9 8 0

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)**	
Vance	Brian	
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**	
U.S. Department of Energy Owner/Operator Central Plateau Cleanup Company LLC~~CH2M HILL Plateau Remediation Company~~ Co-Operator for the Waste Encapsulation and Storage Facility	(509) 376-7395 (509) ~~376-0556~~372-3845	
Street or P.O. Box		
U.S. Department of Energy P.O. Box 550	Central Plateau Cleanup Company LLC ~~CH2M HILL Plateau Remediation Company~~ P.O. Box ~~1600~~1464	
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?	☒ Yes ☐ No	
If yes, provide the scheduled date for the change:	**Month** 01	**Day** 25 / **Year** 2021
D. Is the name listed in VII.A. also the owner? If yes, skip to Section VIII.C.	☒ Yes ☐ No	

VIII. Facility Owner Information		
A. Name	**Phone Number (area code and number)**	
U.S. Department of Energy Owner/Operator	(509) 376-7395	
Street or P.O. Box		
P.O. Box 550		
City or Town	**State**	**ZIP Code**
Richland	WA	99352

B. Owner Type	F

C. Does the name in VIII.A reflect a proposed change in owner?	☐ Yes ☒ No
If yes, provide the scheduled date for the change:	Month / Day / Year

IX. NAICS Codes (5/6 digit codes)

A. First		B. Second	
562211	Waste Treatment & Disposal	924110	Administration of Air & Water Resource & Solid Waste Management Programs
C. Third		**D. Fourth**	
541715	Research & Development in the Physical, Engineering, & Life Sciences	562910	Remediation Services

X. Other Environmental Permits (see instructions)

A. Permit Type	B. Permit Number	C. Description
E	AOP00-05-006	Title V Air Operating Permit (AOP) Incorporation of current non-radiological Notice of Construction permits and FF-01 radiological licenses into the AOP may be delayed up to 2 years.
E	ST00045 11	WAC 173-216 State Waste Discharge Permit Program, Sitewide Permit for Miscellaneous Streams

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

The Waste Encapsulation and Storage Facility (WESF) was constructed on the west end of B Plant between 1971 and 1973 to encapsulate and store radioactive cesium and strontium salts that had been separated from the Hanford Facility radioactive tank waste. The radioactive cesium is stored as cesium chloride, and the strontium is stored as strontium fluoride. Due to impurities in the salts, the waste was designated as mixed waste. WESF has stored the encapsulated salts since operations began in 1974, and mixed waste management activities were initiated on July 14, 1997.

WESF is a two-story building ~47.5 by 28 by 11.7 m (156 by 91 by 38.5 ft) constructed of steel reinforced concrete. WESF is partitioned into seven hot cells, the hot cell service area, operating areas, building service areas, truckport, and the pool cell area. There are four dangerous waste management units (DWMUs) at WESF: three are operating and one is closing. The three operating DWMUs consist of the Hot Cell G DWMU, the Pool Cells DWMU, and the Truckport DWMU. The closing DWMU consists of Hot Cells A through F, which have been filled with grout as part of initial closure activities to stabilize legacy contamination. The hot cell service area is located on the south side of the hot cells and was used for access into Hot Cells A and G. The operating areas and other building service areas associated with the hot cells provide areas for instrumentation monitoring, utility support, or manipulator repair, as required.

The mixed waste being managed at WESF is the cesium and strontium capsules stored in the Pool Cells. The mixed waste is stored in stainless steel and Hastelloy® C-276 capsules with a maximum outer height of ~55.4 cm (~21.8 in.) and maximum diameter of ~8.26 cm (~3.25 in.).

The WESF DWMUs have been classified as X99 storage units. Classification of the WESF DWMUs as miscellaneous units is necessary because of the unique radiological characteristics of the cesium and strontium capsules which requires specialized management systems and requirements, other than those applicable to container storage units. Miscellaneous units do not clearly fit into a regulatory category, such as a container storage unit, containment building, or tank system. WAC 173-303-680, "Dangerous Waste Regulations," "Miscellaneous Units," require that miscellaneous units be located, designed, constructed, and operated in a way that protects human health and the environment according to those provisions most appropriate to the unit being permitted. Terms and provisions most appropriate to WESF are those applicable requirements of WAC 173-303-630, "Use and Management of Containers."

WESF DWMUs will store the cesium and strontium capsules until they are transitioned to dry storage at the Capsule Interim Storage (CIS) Operating Unit Group. Major Milestone M-092 addresses the disposition path for the cesium and strontium capsules, with a milestone due date of August 31, 2025, to complete the transfer of the cesium and strontium capsules from WESF to a new permitted interim safe storage facility. Until the CIS is completed, WESF DWMUs will continue to store and manage the cesium and strontium capsules.

In addition to capsule storage, WESF also generates waste from routine maintenance and processing operations. Waste can include batteries, oils, solvents, paints, miscellaneous debris, and discarded chemicals. Mixed waste generated from routine maintenance and processing operations is accumulated in a satellite or central accumulation area in accordance with WAC 173-303-174, "Satellite Accumulation Area Regulations for Medium Quantity Generators and Large Quantity Generators" and WAC 173-303-200, "Conditions for Exemption for a Large Quantity Generator that Accumulates Dangerous Waste." Universal waste is managed at WESF in accordance with WAC 173-303-573, "Standards for Universal Waste Management."

NAICS Code 562910, Remediation Services, does not apply to the WESF Operating Unit Group.

Pool Cells

The WESF pool cell area consists of 12 pools lined with stainless steel. The Pool Cell DWMU consists of Pool Cells 1 through 8 and 12, which are used for capsule storage. A total of 1,936 capsules (601 strontium capsules and 1,335 cesium capsules) are stored within the pool cells. Each pool cell is filled with water to a depth of ~4 m (13 ft), and is equipped with a monitoring system to detect any leakage from capsules. The water cools the capsules and provides radiation shielding. Pool Cell 12 is used to move capsules from Hot Cell G and from pool cell to pool cell.

Pool Cells 9, 10, and 11 are not configured to store capsules; therefore, they are not part of the Pool Cell DWMU and are not subject to treatment, storage, and disposal (TSD) requirements under the permit.

® Hastelloy is a registered trademark of Haynes International, Kokomo, Indiana.

Hot Cell G

Hot Cell G was used to perform inspections of capsules. Historically, both Hot Cell F and Hot Cell G were available to support contingency operations in the event of a capsule failure. Due to closure of Hot Cell F, Hot Cell G currently supports such events. Upon discovery of a suspected failure, a capsule would be brought into Hot Cell G for inspection and testing; it would then be placed into shielded storage pending development of a full recovery plan. Hot Cell G continues to provide a location for welding, testing, and storage, should installation of overpacks onto capsules be required.

Furthermore, Hot Cell G supports loading of capsules into overpack containment, referred to as Universal Capsule Sleeves (UCS), to facilitate transport and eventual removal of the capsules from WESF. UCSs are stored in Hot Cell G prior to transporting and loading into the designated location within the Cask Storage System (CSS) located in the Truckport.

Truckport

The Truckport DWMU consists of the enclosed Truckport. The Truckport will be used to store mixed waste, and to support capsule transfer operations by providing necessary equipment used to transport, load, and store CSSs, while the Truckport Apron will be used to temporarily locate the vertical concrete casks (VCCs) prior to transport. The Truckport Apron is used for CSS transport and is not part of the DWMU.

Hot Cell A through Hot Cell F

Waste and drum load out was performed in Hot Cell A during production operations. Hot Cells B through E were used to convert strontium nitrate and cesium carbonate into strontium fluoride and cesium chloride salts. The hot cells were also used to place the salt into capsules along with welding and leak testing of the capsules. Hot Cell F remained operational to support contingency operations in the event of a capsule leak by providing storage of capsules to allow continued personnel access to Hot Cell G; however, Hot Cell G was never used for that purpose. With the addition of shielded storage to Hot Cell G, Hot Cell F was determined unnecessary for contingency operations. Initial closure activities to support clean closure of Hot Cell A through Cell F are detailed in the Closure Unit Group 6 portion of the Hanford Site-Wide Permit.

Storage Capacity Pool Cells

Capsules can be stored in Pool Cells 1, 3, 4, 5, 6, 7, and 12. Pool Cells 2 and 8 are part of the TSD boundary, but there is no capability to store capsules there. Pool Cells 1, 3, 4, 5, 6, and 7 contain engineered devices (capsule storage racks) to store the capsules.

The total storage capacity of the Pool Cells DWMU is 1,936 capsules. Since each capsule has a maximum volume of 1 L (0.264 gal), this equates to a total capacity of 1,936 L (511.4 gal). The total mass of cesium and strontium salts was calculated by subtracting the empty capsule weight from the gross weight of a loaded capsule. The total mass of the salts is 5,049 kg (11,131 lb).

Storage Capacity G Cell

During capsule loading operations, a single UCS holding six capsules will be in Hot Cell G at a time. The new shielded storage can hold one capsule. An additional two capsules have been included in the maximum capacity to account for any required preloading operations or capsule inspection of a potentially breached capsule. Therefore, Hot Cell G has a maximum capacity of nine capsules. Assuming 1 L(0.264 gal)/capsule, this equates to 9 L (2.38 gal).

Storage Capacity Truckport

The Truckport supports loading, transporting, staging, and storing of CSSs. The CSS consists of a VCC, which provides protection of the contents from external hazards. Within the VCC is the transportable storage canister (TSC) structure, which houses the TSC basket. The TSC basket houses up to two UCSs inside each of the 11 cell locations, and each UCS holds up to six cesium or strontium capsules. Therefore, the CSS holds up to 132 capsules. Since the Truckport can only support one VCC at a time, the maximum design capacity is 132 capsules. Assuming 1 L (0.264 gal)/capsule, this equates to 132 L (34.8 gal).

Collectively, the total combined process design storage capacity for the WESF DWMUs is 1,936 L (511.4 gal; Pool Cells, Hot Cell G and Truckport combined).

EXAMPLE FOR COMPLETING ITEMS XII and XIII (shown in lines numbered X-1, X-2, and X-3 below):

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	X	9	9	1,936	L	004		1	X	9	9	1,936	L	001	Pool Cells
	2								2	X	9	9	9	L	001	Hot Cell G
	3								3	X	9	9	0	L	001	Hot Cell A through Hot Cell F
	4								4	X	9	9	132	L	001	Truckport
	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									D. Processes (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	5	5,049	K	X	9	9							Storage
2	D	0	0	6												Included Above
3	D	0	0	7												Included Above
4	D	0	0	8												Included Above
5	D	0	1	1												Included Above
6																
7																
8																
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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.

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).

Photographs are included in Attachment A.

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) Brian Vance, Manager U.S. Department of Energy Richland Operations Office		**Date Signed**
Co-Operator* Name and Official Title (type or print) ~~L. Ty Blackford,~~ Scott Sax, President and Project Manager~~Chief Executive Officer~~ Central Plateau Cleanup Company LLC~~CH2M HILL Remediation Company~~		**Date Signed**
Co-Operator – Address and Telephone Number* P.O. Box ~~1600~~1464 Richland, WA 99352 (509) ~~376-0556~~372-3845		
Facility-Property Owner Name and Official Title (type or print) Brian Vance, Manager U.S. Department of Energy Richland Operations Office		**Date Signed**

XIX. Comments

Attachment A contains pictures and topographic map of WESF. See Ecology Administrative Records for a topographic map of the Hanford Facility.

XIX. Comments (Cont'd):

In Section VII, Facility Operator Information is revised to update change in Co-Operator. In Section XVIII, "Certifications" is revised to update Co-Operator name. Section XIX, Comments is expanded onto Page 9a of 10. The topographic map for the unit is updated to reflect the current mapping conventions. The changes in these sections and the topographic map will be effective January 25, 2021. No other changes have been made to the Part A form sections. The certification is limited to the changes effective January 25, 2021.

Attachment A

Photographs & Topographic Map

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Figures

Figure A-1. WESF Aerial Photo Operating and Closing Units (2012 Aerial Image) A-A-1
Figure A-2. WESF Topographic Map Operating and Closing Units A-A-3
Figure A-3. WESF 225-B Building Detailed First Floor Plan A-A-5
Figure A-4. WESF Building A-A-6
Figure A-5. Manipulators Outside of Hot Cell A A-A-7
Figure A-6. Hot Cell B A-A-8
Figure A-7. Hot Cell C A-A-9
Figure A-8. Hot Cell D A-A-10
Figure A-9. Hot Cell E A-A-11
Figure A-10. Hot Cell F A-A-12
Figure A-11. Hot Cell G A-A-13
Figure A-12. Hot Cells A-G A-A-14
Figure A-13. Pool Cells Capsule Handling A-A-15
Figure A-14. Pool Cells A-A-16
Figure A-15. Pool Cells Storage Racks A-A-17
Figure A-16. Pool Cell 1 ..... A-A-18
Figure A-17. Pool Cell 2 ..... A-A-19
Figure A-18. Pool Cell 3 ..... A-A-20
Figure A-19. Pool Cell 4 ..... A-A-21
Figure A-20. Pool Cell 5 ..... A-A-22
Figure A-21. Pool Cell 6 ..... A-A-23
Figure A-22. Pool Cells 7 and 8 ..... A-A-24
Figure A-23. Pool Cell 12 ..... A-A-25
Figure A-24. Pool Cells 1-8 and 12 ..... A-A-26
Figure A-25. Truckport DWMU (facing east) A-A-27
Figure A-26. Truckport (facing west) A-A-29
Figure A-27. Aerial View of B Plant and WESF A-A-29
Figure A-28. Aerial View of WESF Facing Northeast A-A-30
Figure A-29. Aerial View of WESF Facing South A-A-31

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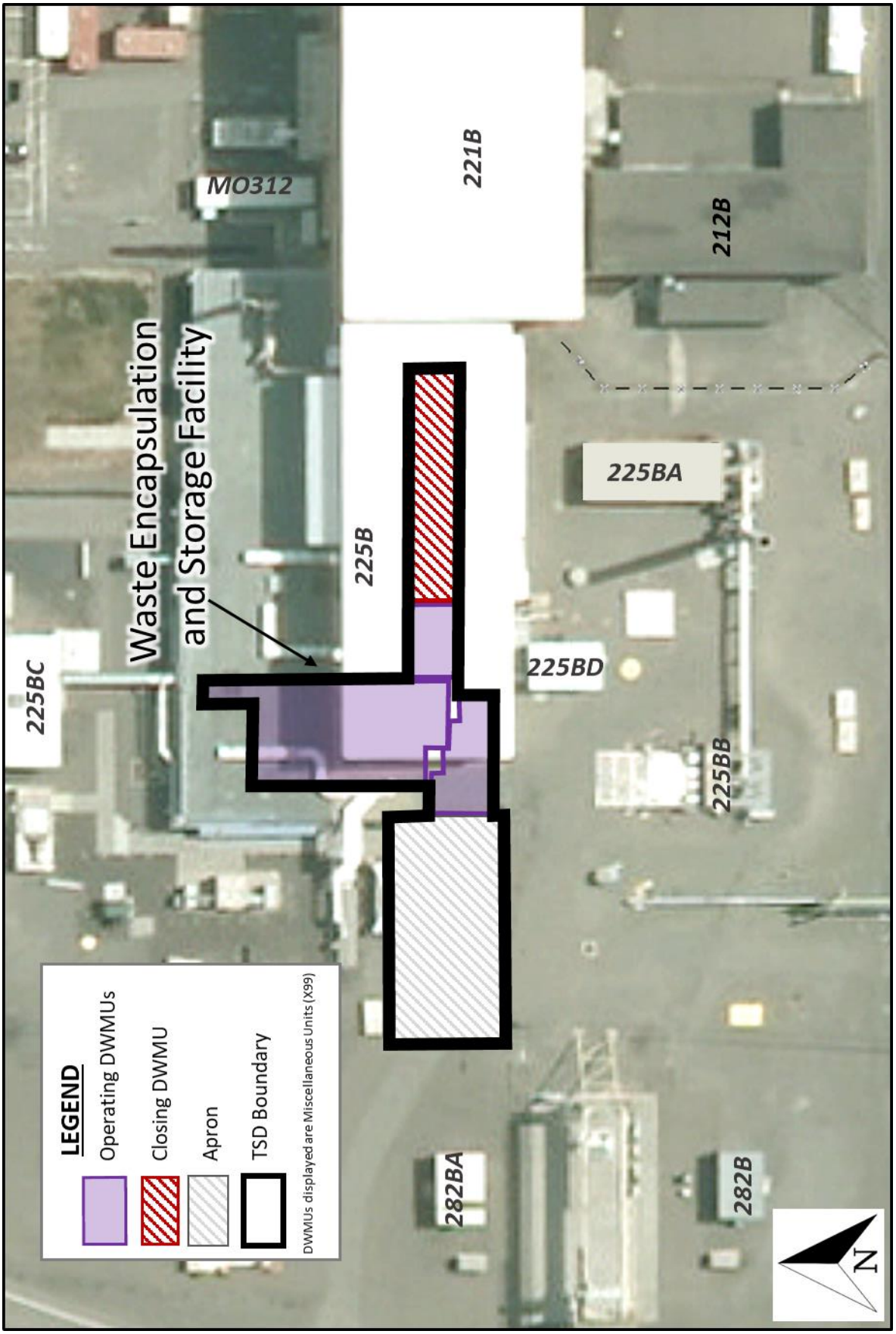

Figure A-1. WESF Aerial Photo Operating and Closing Units (2012 Aerial Image)

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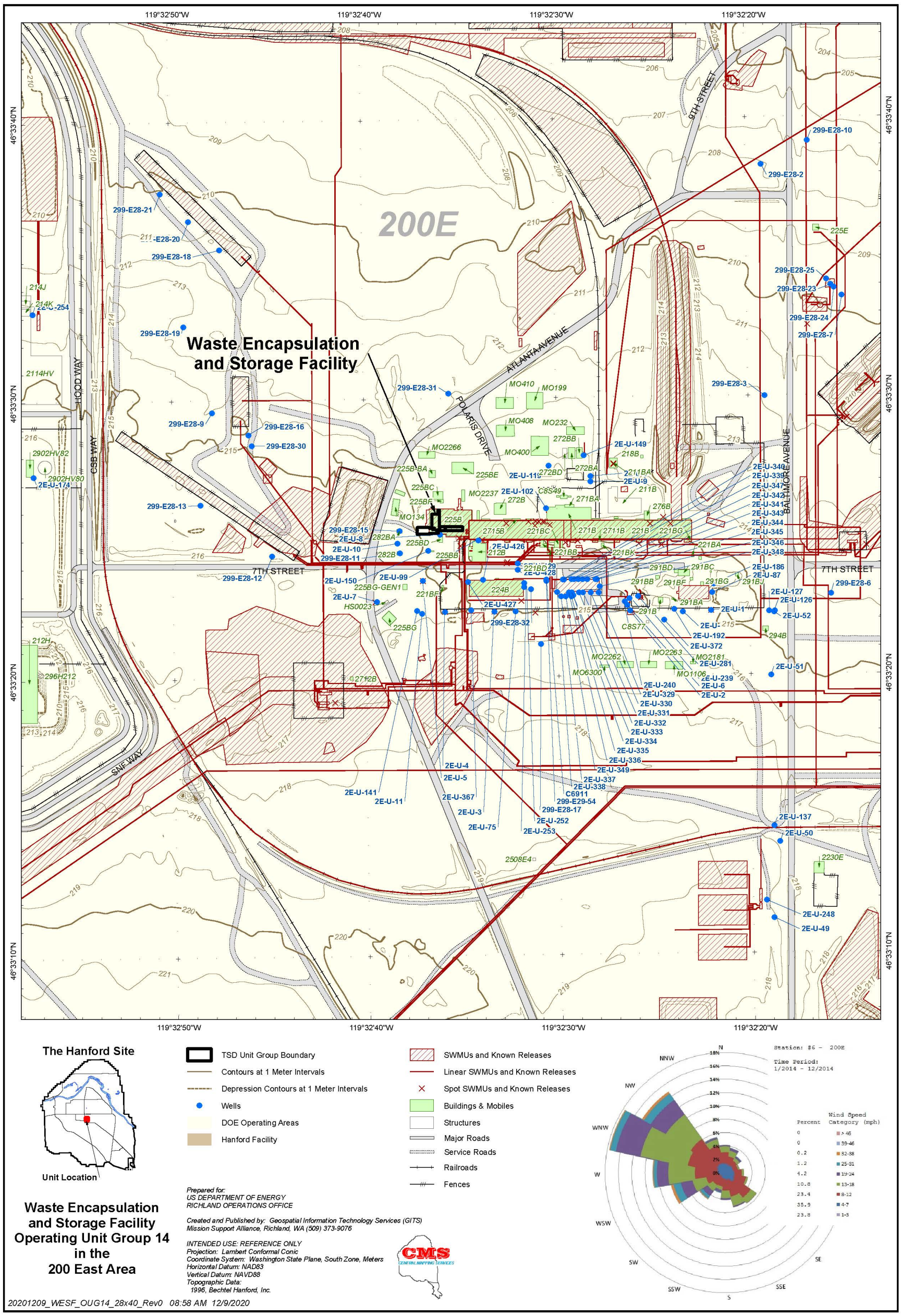

Figure A-2. WESF Topographic Map Operating and Closing Units

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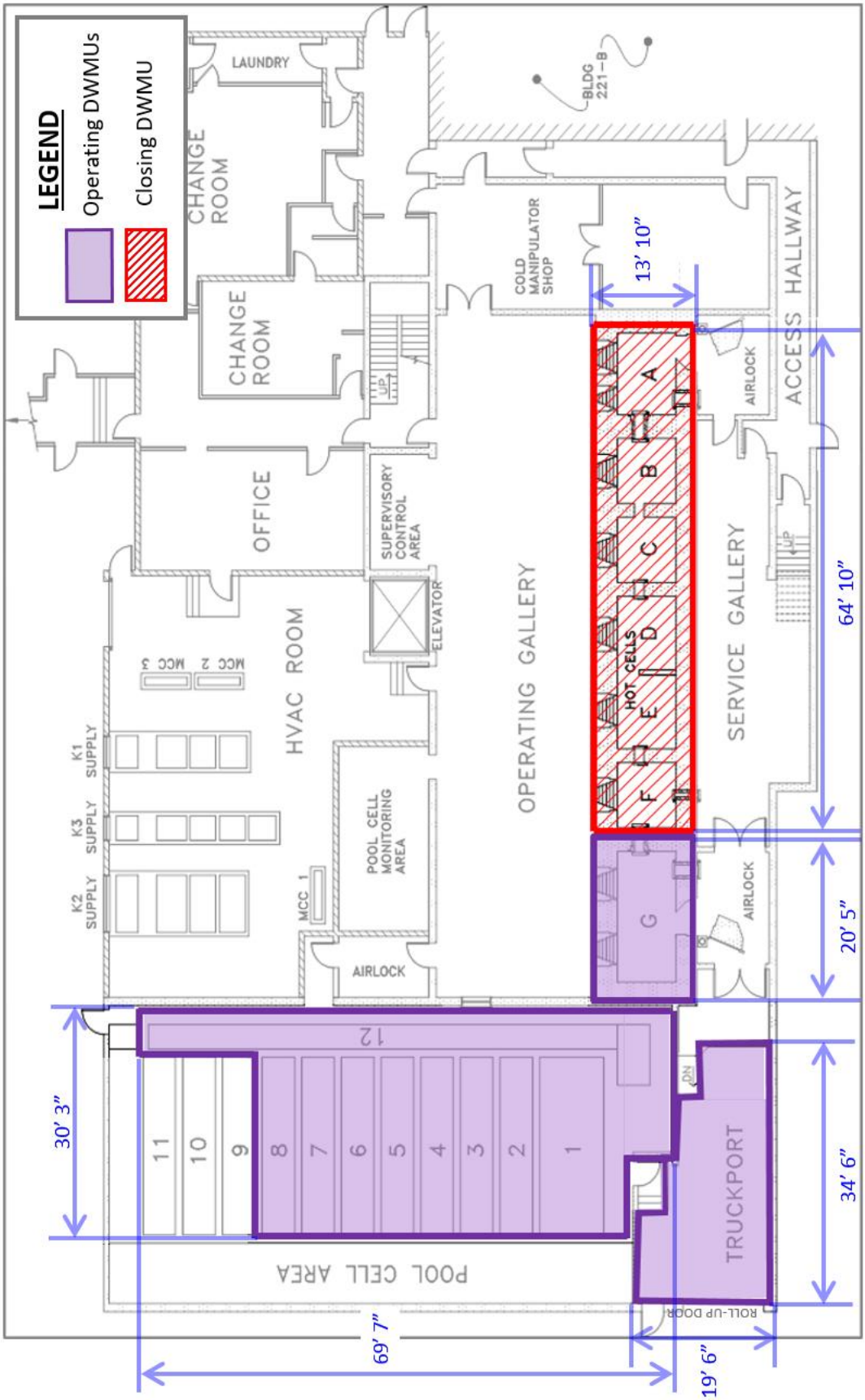


Figure A-3. WESF 225-B Building Detailed First Floor Plan

Note: Photo was taken in July 2019

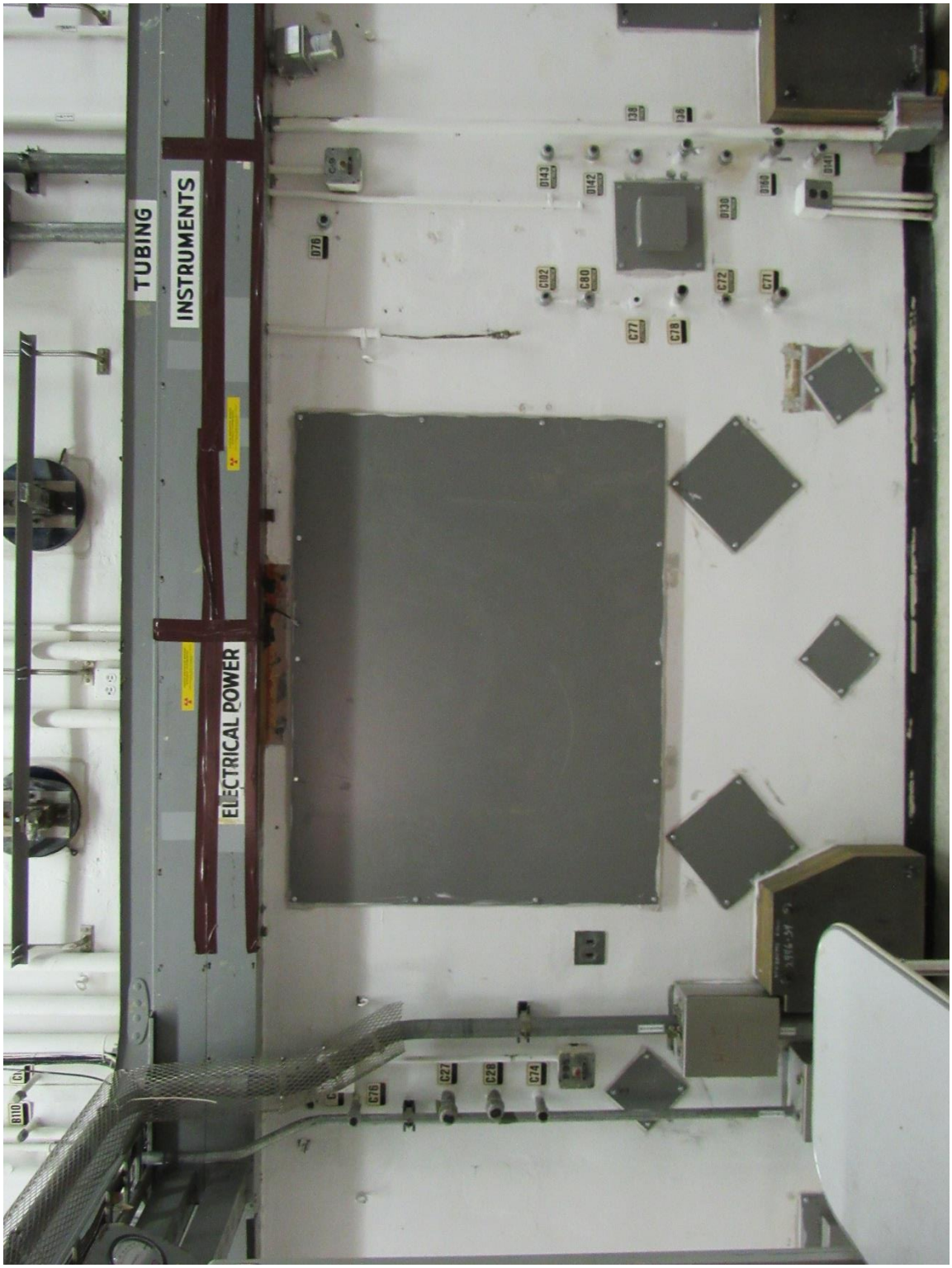
Figure A-4. WESF Building

Note: Photo was taken in July 2017.

Figure A-5. Manipulators Outside of Hot Cell A

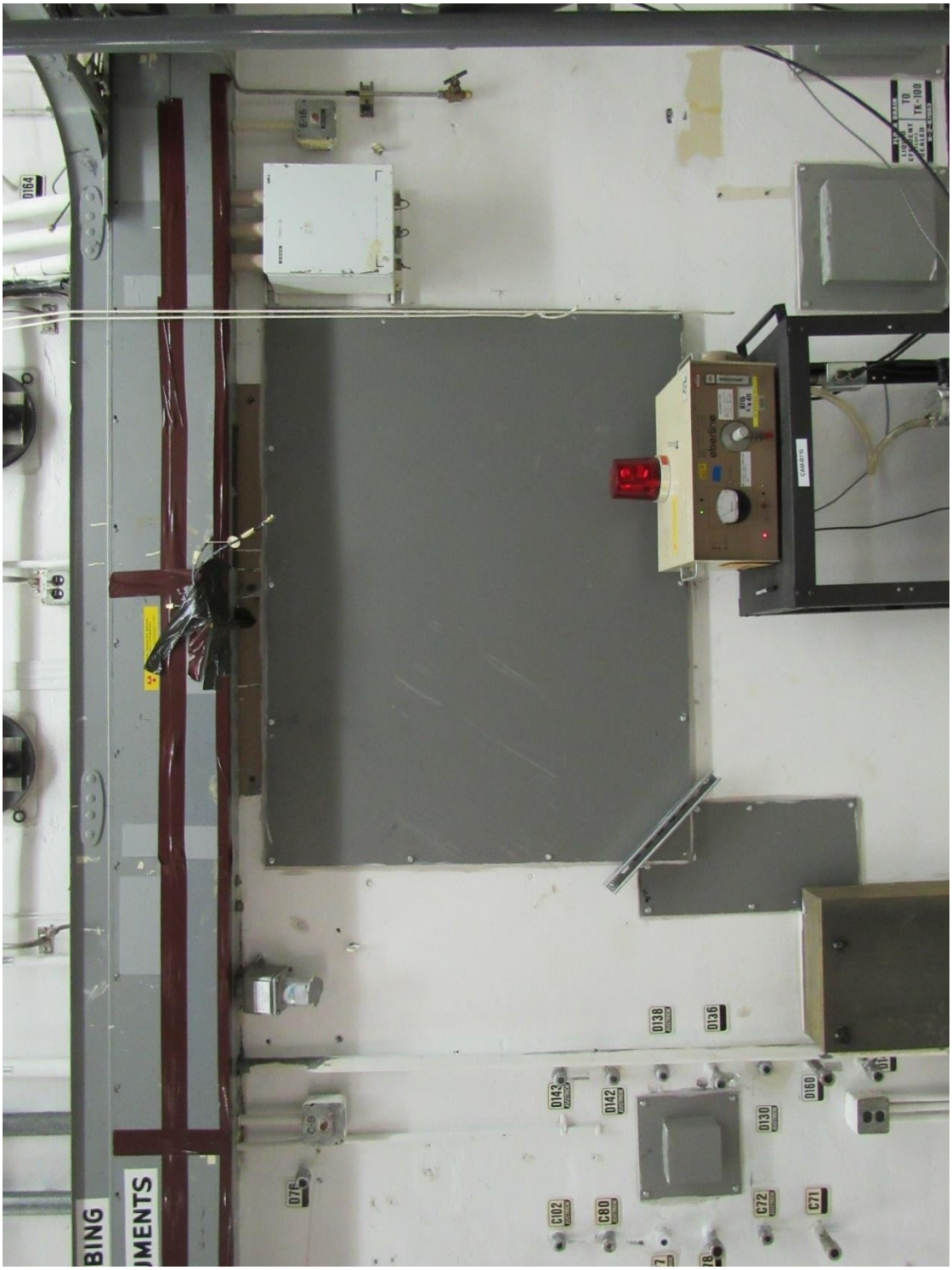
Note: Photo was taken in July 2017.

Figure A-6. Hot Cell B



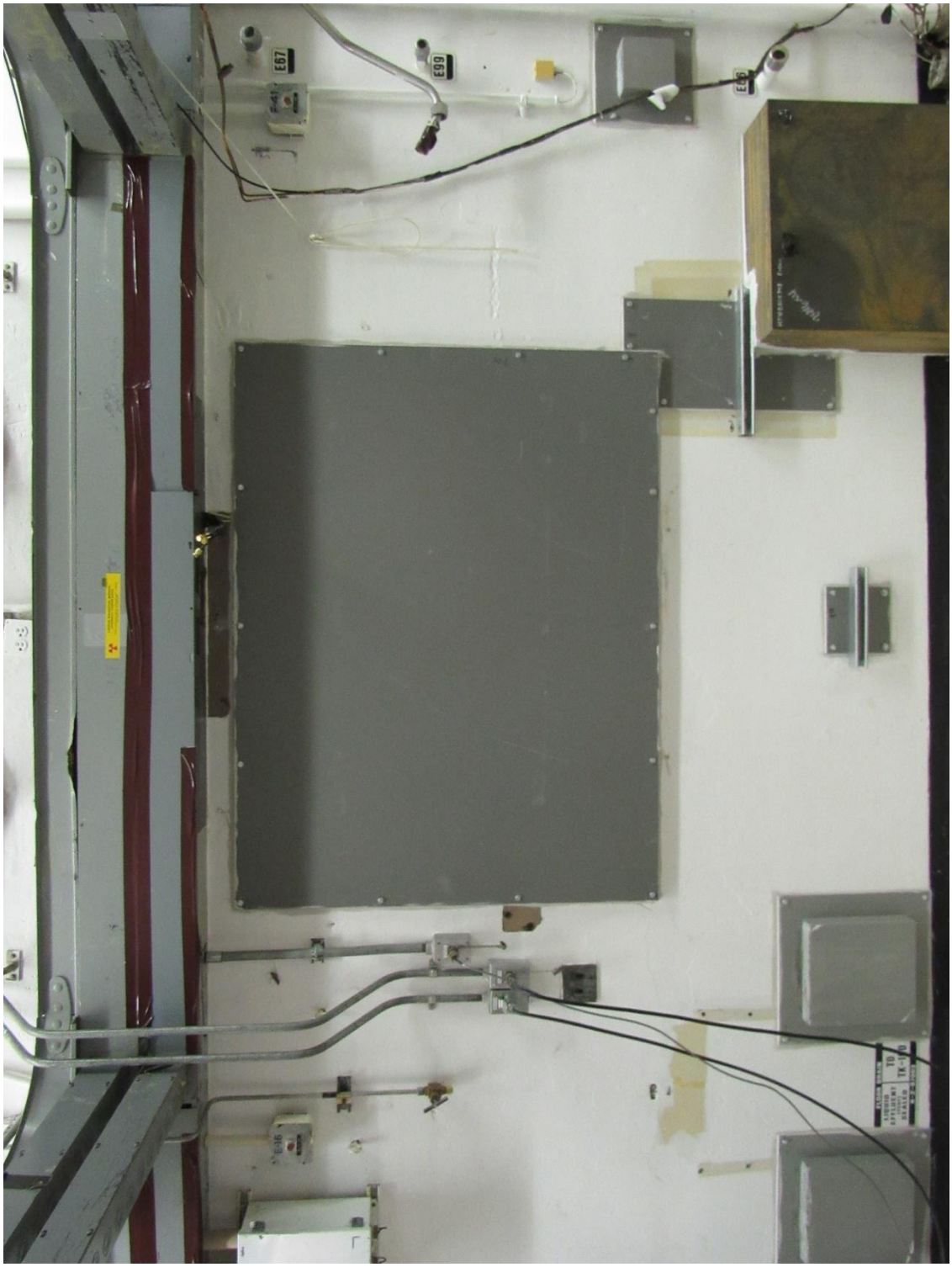
Note: Photo was taken in July 2017.

Figure A-7. Hot Cell C



Note: Photo was taken in July 2017.

Figure A-8. Hot Cell D

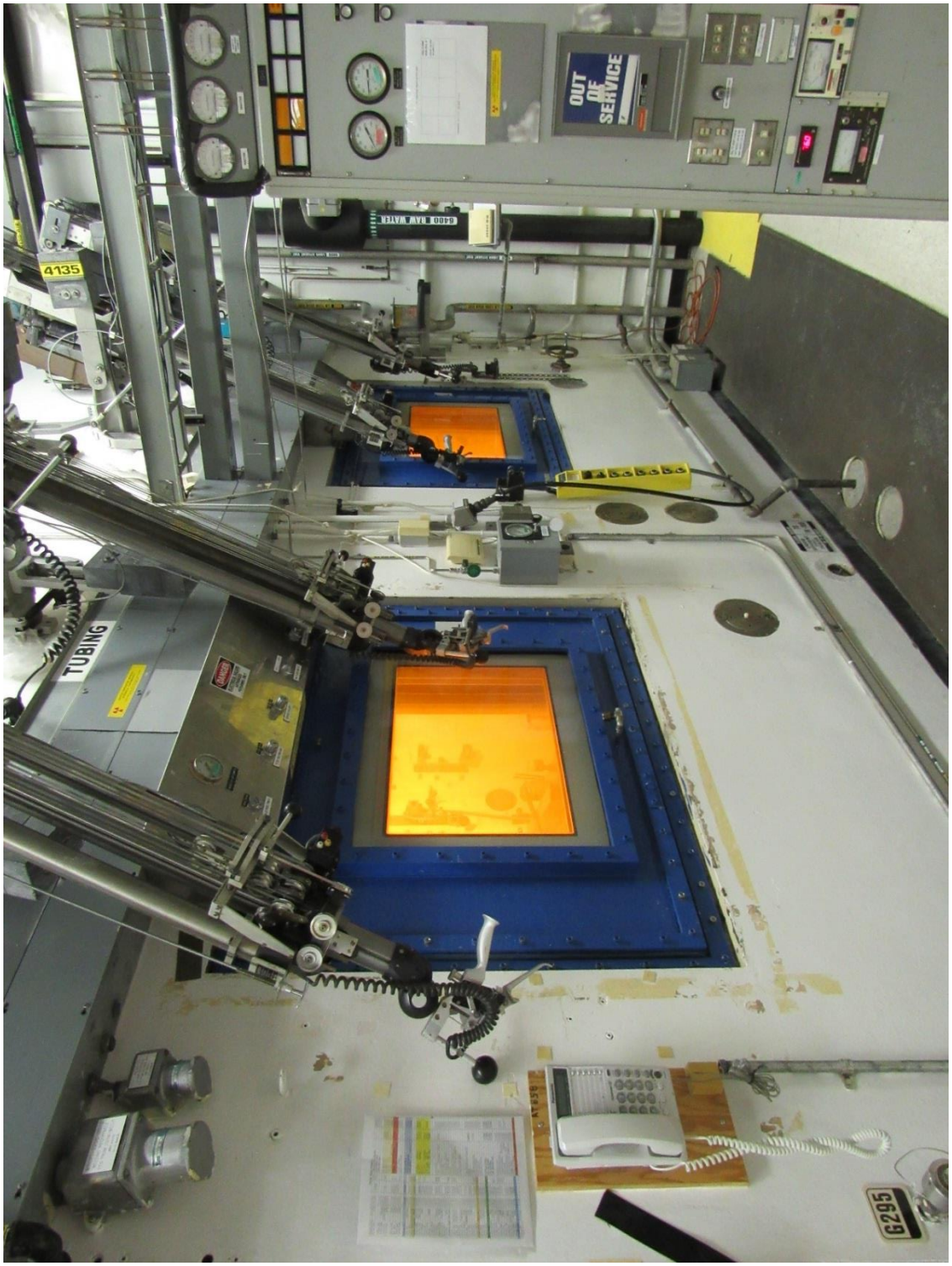


Note: Photo was taken in July 2017.

Figure A-9. Hot Cell E

Note: Photo was taken in July 2017.

Figure A-10. Hot Cell F

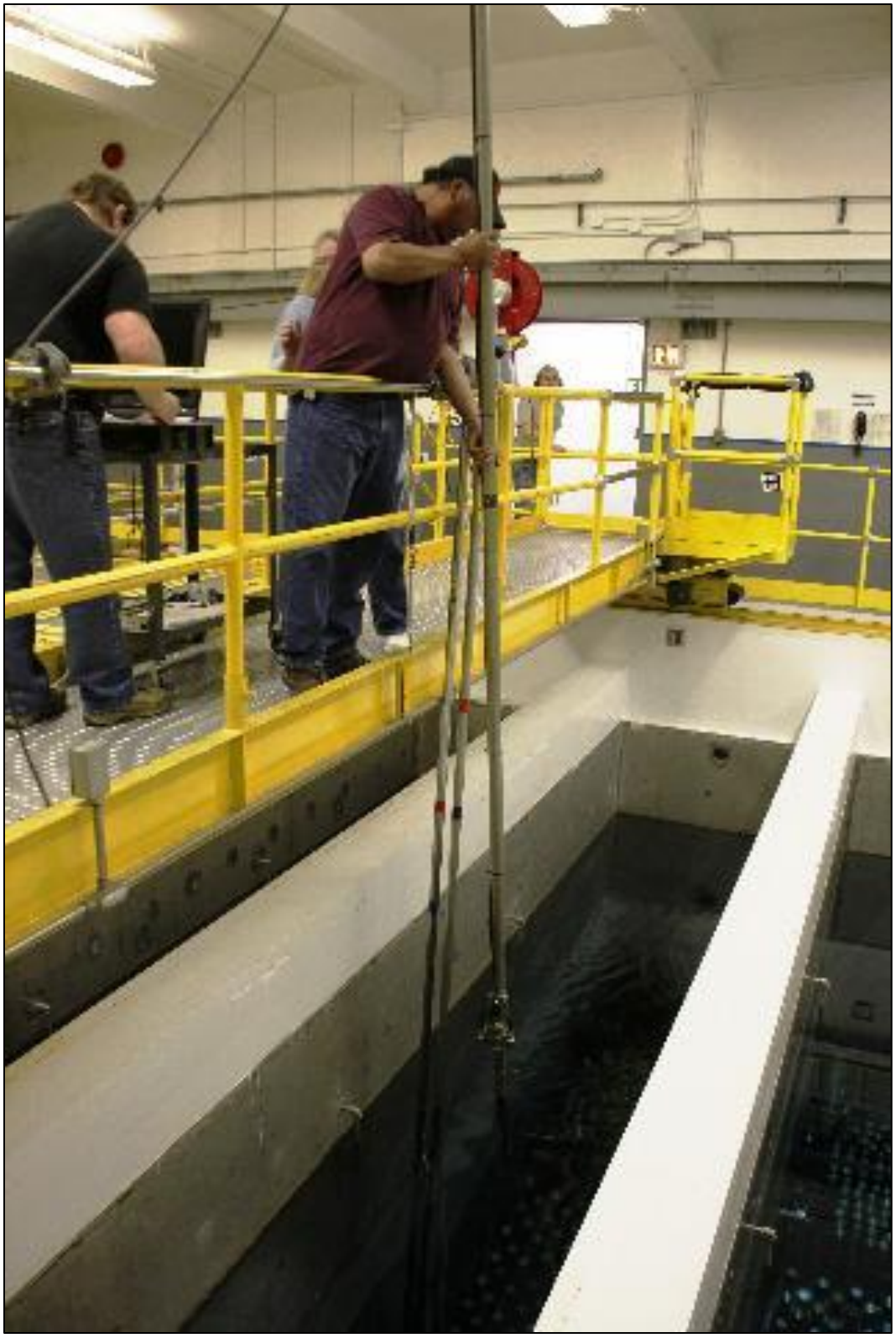


Note: Photo was taken in July 2017.

Figure A-11. Hot Cell G

Note: Photo was taken in July 2017.

Figure A-12. Hot Cells A-G

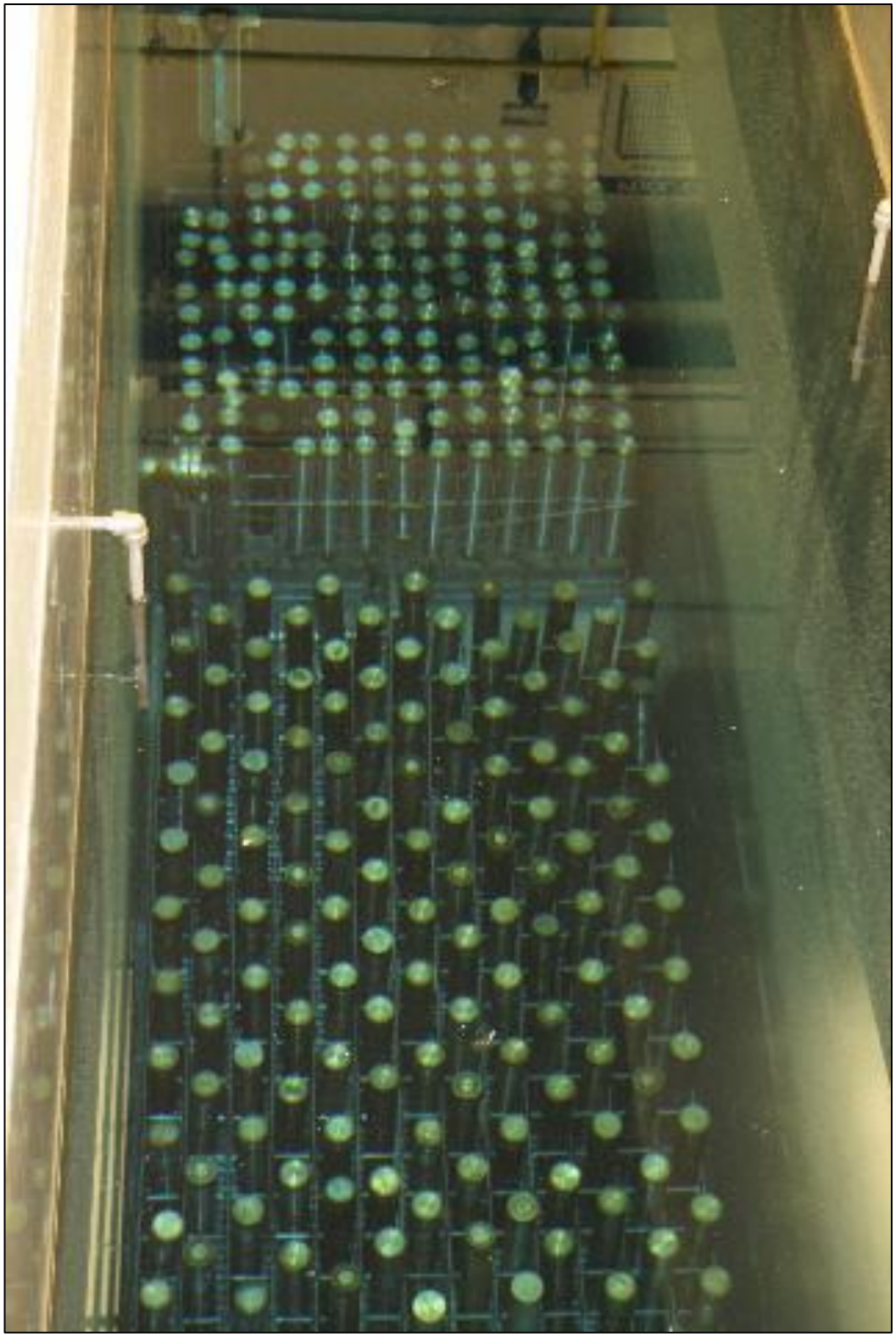


Note: Moving capsules in June 2012.

Figure A-13. Pool Cells Capsule Handling

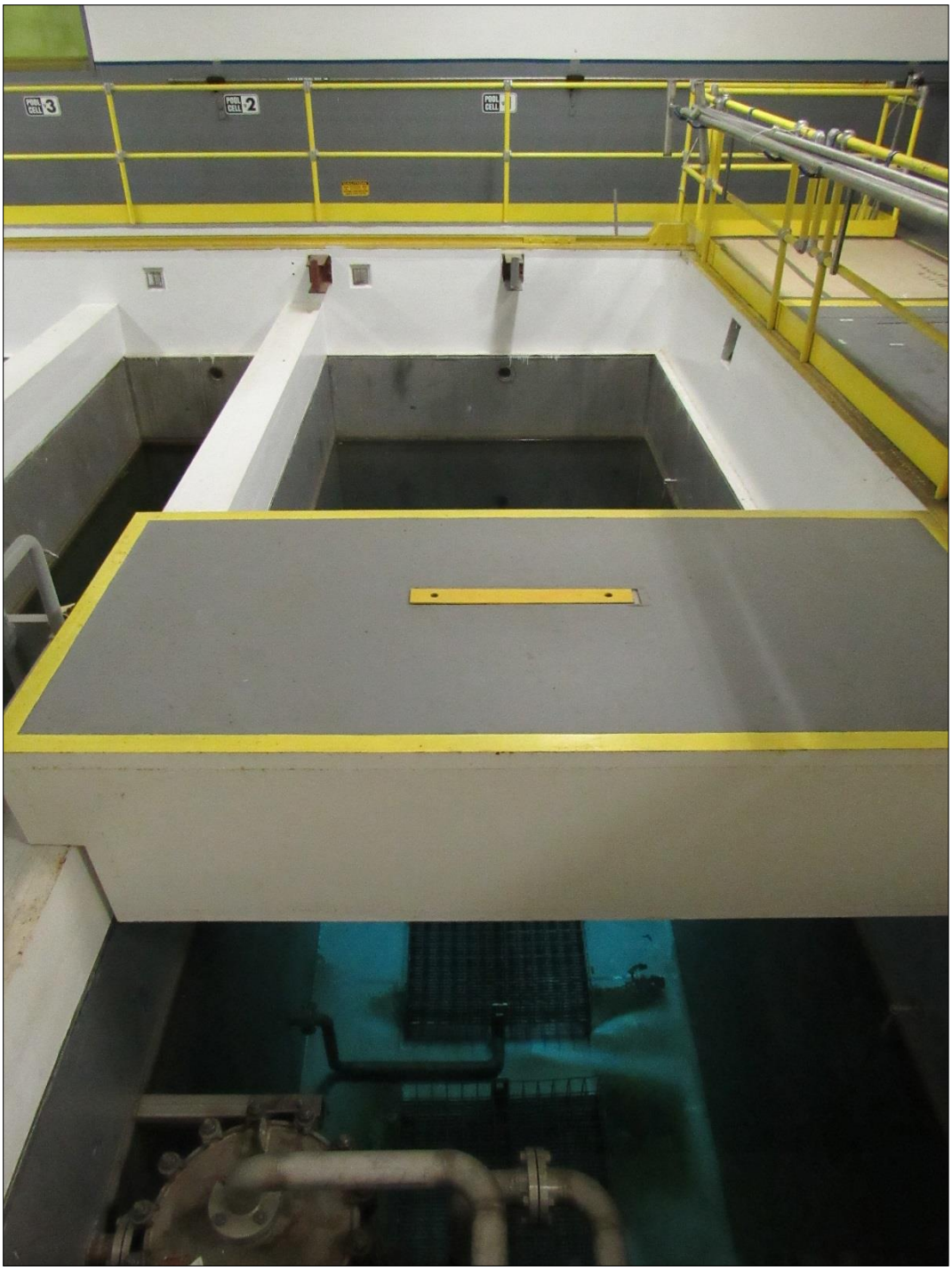
Note: Top view is from June 2012.

Figure A-14. Pool Cells



Note: Top view is from June 2012.

Figure A-15. Pool Cells Storage Racks

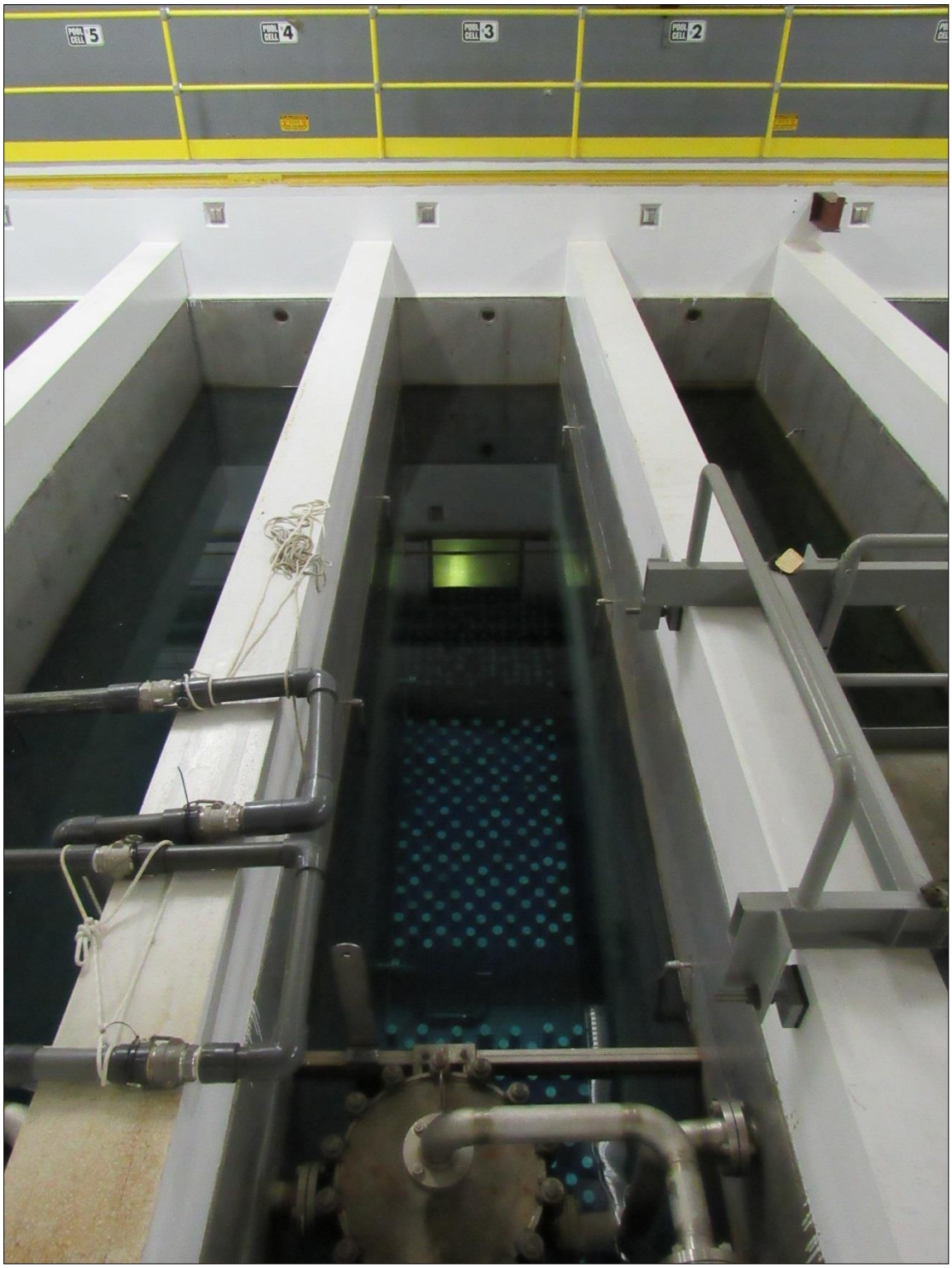


Note: Pool Cell 1 in November 2016.

Figure A-16. Pool Cell 1

Note: Pool Cell 2 in November 2016.

Figure A-17. Pool Cell 2



Note: Pool Cell 3 in November 2016.

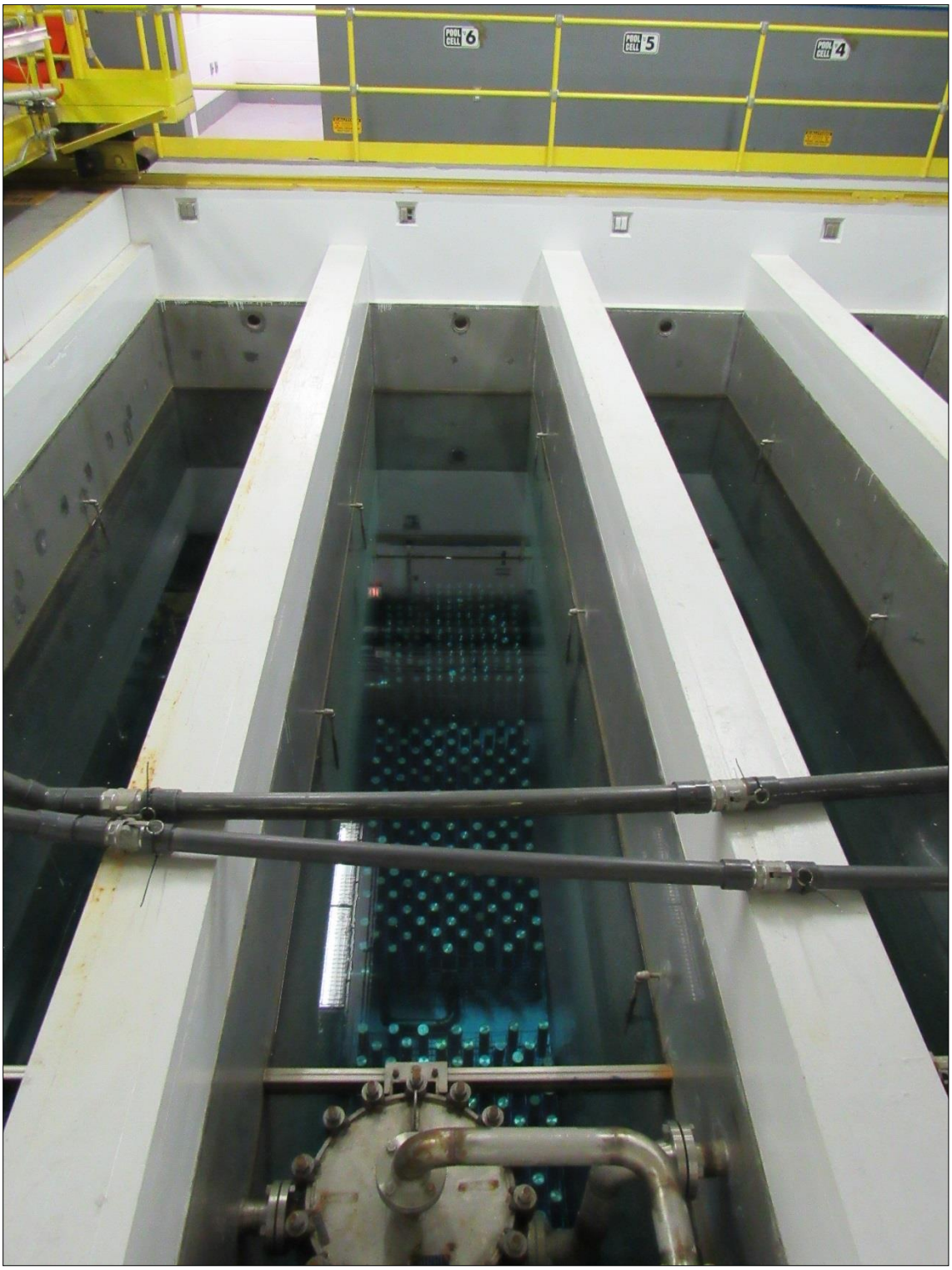
Figure A-18. Pool Cell 3

Note: Pool Cell 4 in November 2016.

Figure A-19. Pool Cell 4

Note: Pool Cell 5 in November 2016.

Figure A-20. Pool Cell 5



Note: Pool Cell 6 in November 2016.

Figure A-21. Pool Cell 6

Notes: Pool Cells 7 and 8 in November 2016. Pool Cell 8 is used for shielding purposes only, not for capsule storage.

Figure A-22. Pool Cells 7 and 8

Note: Pool Cell 12 in November 2016.

Figure A-23. Pool Cell 12

Note: Pools Cells 1-8 and 12 in November 2016.

Figure A-24. Pool Cells 1-8 and 12

Note: Truckport DWMU in June 2017.

Figure A-25. Truckport DWMU (facing east)

Note: Truckport DWMU in July 2019

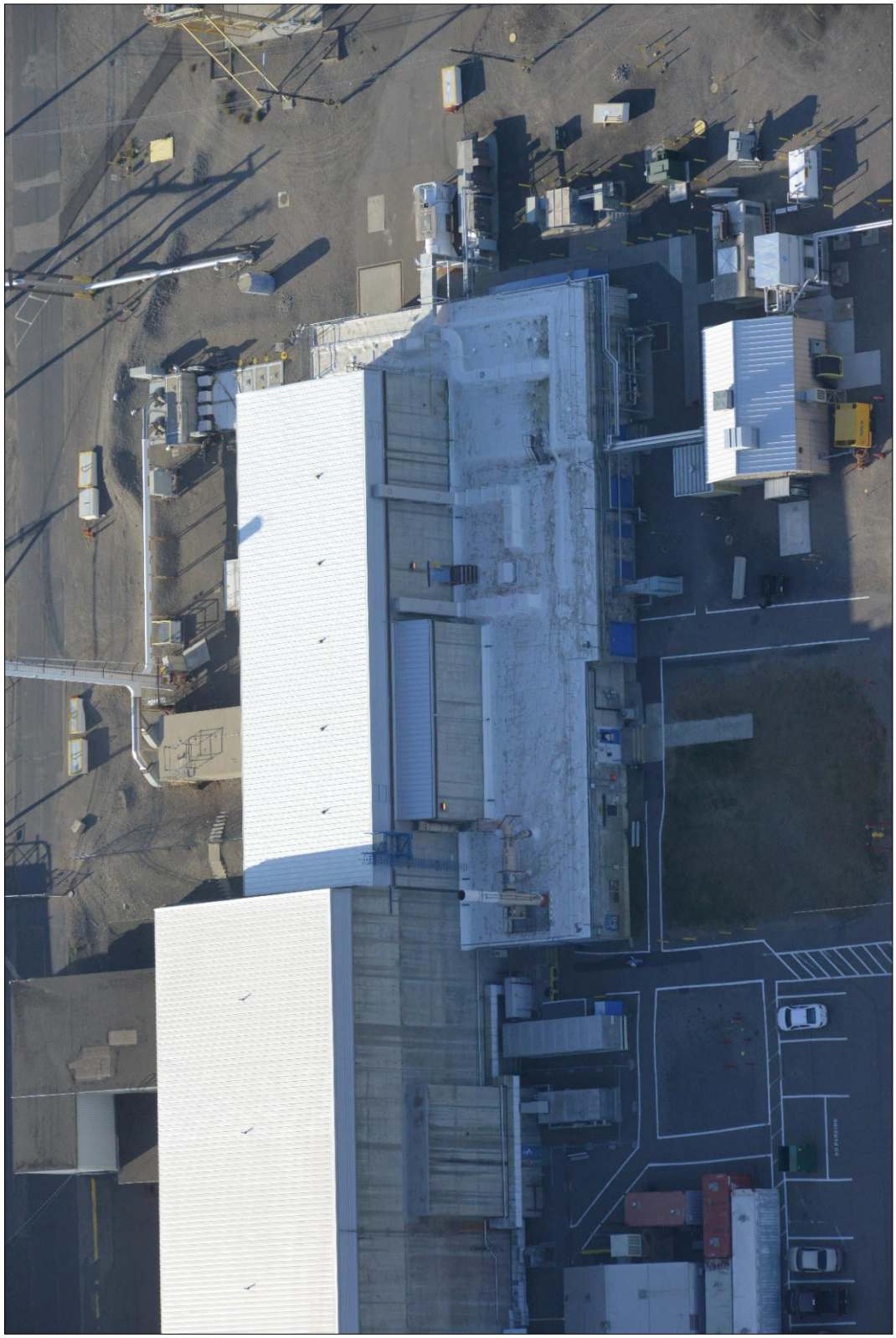
Figure A-26. Truckport (facing west)

Note: Aerial view of B Plant and WESF facing south in July 2014. See WESF at far right of photograph.

Figure A-27. Aerial View of B Plant and WESF

Note: Aerial view of WESF facing northeast in July 2014.

Figure A-28. Aerial View of WESF Facing Northeast



Note: Aerial view of WESF facing south in July 2014.

Figure A-29. Aerial View of WESF Facing South

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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)

☐	Request modification to a final status permit (commonly called a "Part B" permit)
☒	Request a change under interim status
☐	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).
☐	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

2440 Stevens Drive

City or Town	State	ZIP Code
Richland	WA	99354

County Code (if known)	County Name
0 0 5	Benton

B. Land Type	C. Geographic Location Latitude (degrees, mins, secs)	Longitude (degrees, mins, secs)	D. Facility Existence Date 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)**
Vance	Brian
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 Central Plateau Cleanup Company LLC Co-Operator for 216-A-29 Ditch	(509) 376-7395 (509) 372-3845*
Street or P.O. Box	
P.O. Box 550 P.O. Box 1464*	

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? ☒ Yes ☐ No Co-Operator* change

If yes, provide the scheduled date for the change:

Month		Day				Year			
0	1	2		5		2	0	2	1

D. Is the name listed in VII.A. also the owner? If yes, skip to Section VIII.C. ☒ Yes ☐ No

VIII. Facility Owner Information	
A. Name	**Phone Number (area code and number)**
Brian T. Vance, 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? ☐ Yes ☒ No

If yes, provide the scheduled date for the change:

Month		Day				Year			

IX. NAICS Codes (5/6 digit codes)

A. First							B. Second						
5	6	2	2	1		Waste Treatment & Disposal	9	2	4	1	1	0	Administration of Air & Water Resource & Solid Waste Management Programs
C. Third							**D. Fourth**						
5	4	1	7	1		Research & Development in the Physical, Engineering, & Life Sciences							

X. Other Environmental Permits (see instructions)

A. Permit Type	B. Permit Number	C. Description

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

The 216-A-29 Ditch received nonregulated process and cooling water from the Plutonium-Uranium Extraction (PUREX) Plant, and received discharges of corrosive (acid and caustic) dangerous waste (D002) backwashes from regeneration of demineralizer columns in the PUREX Plant. Treatment of this waste occurred by the successive addition of acidic and caustic waste, which served to neutralize the waste in the ditch. Any acidic and caustic waste that did reach the soil was subsequently neutralized by the calcareous nature of the soil. The ditch also received off-spec make-ups of essential chemicals used in the process and spills from the PUREX Plant. The spilled dangerous waste consisted of toxicity characteristic waste (D006), acutely dangerous discarded chemical products (U133), and state-only waste (WT02).

Approximately 6,000,000 gallons (22,712,400 liters) a day of waste flow reached the ditch. Accurate records concerning the total volume of waste treated in this unit are not available. The process design capacity for this unit reflects the maximum volume of waste that was discharged to the unit daily rather than the physical design capacity.

The 216-A-29 Ditch has not received dangerous waste since February 1986. The ditch was backfilled and surface stabilized in 1991.

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

Section XII. Process Codes and Design Capacities								Section XIII. Other Process Codes								
Line Number		A. Process Codes (enter code)			B. Process Design Capacity		C. Process Total Number of Units	Line Number		A. Process Codes (enter code)			B Process Design Capacity		C. Process Total Number of Units	D. Process Description
					1. Amount	2. Unit of Measure (enter code)							1. Amount	2. Unit of Measure (enter code)		
X	1	S	0	2	1,600	G	002	X	1	T	0	4	700	C	001	In situ vitrification
X	2	T	0	3	20	E	001									
X	3	T	0	4	700	C	001									
	1	D	8	3	6,000,000	U	001		1							
	2	T	0	4	6,000,000	U	001		2							
	3								3							
	4								4							
	5								5							
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1	0							1	0							
1	1							1	1							
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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	2	3,300,000,000	P	D	8	3	T	0	4				
2	D	0	0	6	35	P	D	8	3	T	0	4				
3	U	1	3	3	310	P	D	8	3	T	0	4				
4	W	T	0	2	50,000	P	D	8	3	T	0	4				
5																
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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

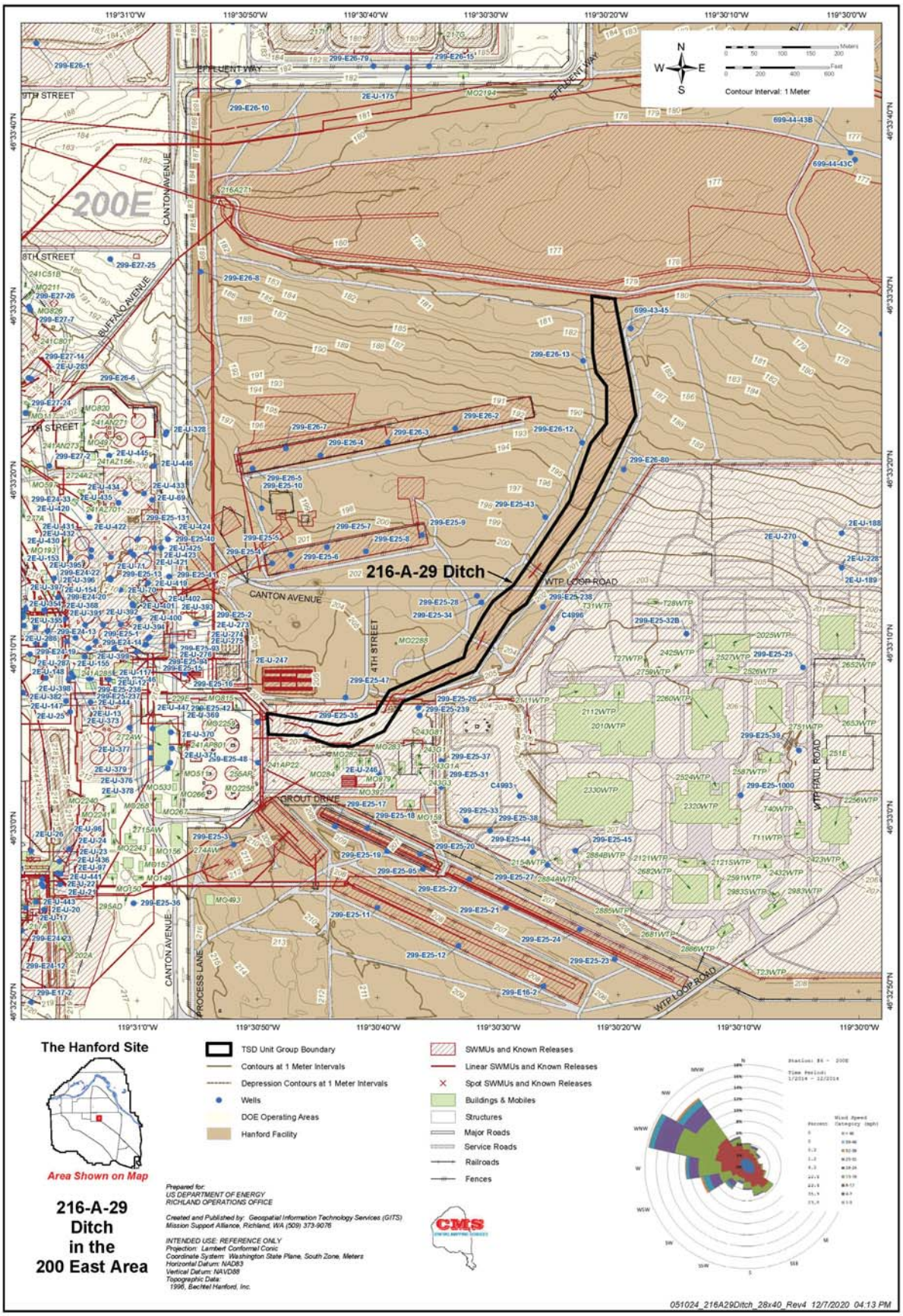
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage 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) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature** BT. Vance	**Date Signed** 1/22/2021
Co-Operator* Name and Official Title (type or print) Scott Sax, President and Project Manager Central Plateau Cleanup Company LLC	**Signature** SCOTT SAX (Affiliate) Digitally signed by SCOTT SAX (Affiliate) Date: 2021.01.19 16:36:54 -08'00'	**Date Signed**
Co-Operator – Address and Telephone Number* P.O. Box 1464 Richland, WA 99352 (509) 372-3845		
Facility-Property Owner Name and Official Title (type or print) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature** BT. Vance	**Date Signed** 1/22/2021

Comments

In Section IV, Facility Location is revised to update the facility location. In Section VI, Facility contact is revised to update the DOE-RL contact. In Section VII, Facility Operator Information is revised to update change in Co-Operator. In Section VIII, Facility Owner Information is revised to update facility owner name. In Section XVIII, "Certifications" is revised to update Operator Name, Co-Operator name, and Facility-Property Owner name. The topographic map for the unit is updated to reflect the current mapping conventions. The changes in these sections and the topographic map will be effective January 25, 2021. No other changes have been made to the Part A form sections. The certification is limited to the changes effective January 25, 2021.

216-A-29 Ditch


216-A-29 Ditch
200E
CANTON AVENUE
BUFFALO AVENUE
EFFLUENT WAY
WTP LOOP ROAD
GROUT DRIVE
PROCESS LANE
4TH STREET
WTP HAUL ROAD
Contour Interval: 1 Meter
The Hanford Site
Area Shown on Map
216-A-29 Ditch in the 200 East Area
TSD Unit Group Boundary
Contours at 1 Meter Intervals
Depression Contours at 1 Meter Intervals
Wells
DOE Operating Areas
Hanford Facility
SWMUs and Known Releases
Linear SWMUs and Known Releases
Spot SWMUs and Known Releases
Buildings & Mobiles
Structures
Major Roads
Service Roads
Railroads
Fences
Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
Created and Published by: Geospatial Information Technology Services (GITS)
Mission Support Alliance, Richland, WA (509) 373-9076
INTENDED USE: REFERENCE ONLY
Projection: Lambert Conformal Conic
Coordinate System: Washington State Plane, South Zone, Meters
Horizontal Datum: NAD83
Vertical Datum: NAVD88
Topographic Data:
1996, Bechtel Hanford, Inc.
051024_216A29Ditch_28x40_Rev4 12/7/2020 04:13 PM

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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)

☐	**Request modification to a final status permit (commonly called a "Part B" permit)**
☒	**Request a change under interim status**
☐	**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).**
☐	**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

2440 Stevens Drive

City or Town	State	ZIP Code
Richland	WA	99354

County Code (if known)	County Name
0 0 5	Benton

B. Land Type	C. Geographic Location Latitude (degrees, mins, secs)	Longitude (degrees, mins, secs)	D. Facility Existence Date 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)**
Vance	Brian
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 Central Plateau Cleanup Company LLC Co-Operator for 216-A-36B Crib*	(509) 376-7395 (509) 372-3845*
Street or P.O. Box	
P.O. Box 550 P.O. Box 1464*	

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? ☒ Yes ☐ No Co-Operator* change

If yes, provide the scheduled date for the change:

Month		Day		Year			
0	1	2	5	2	0	2	1

D. Is the name listed in VII.A. also the owner? If yes, skip to Section VIII.C. ☒ Yes ☐ No

VIII. Facility Owner Information	
A. Name	**Phone Number (area code and number)**
Brian T. Vance, 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? ☐ Yes ☒ No

If yes, provide the scheduled date for the change:

Month		Day		Year			

IX. NAICS Codes (5/6 digit codes)

A. First							B. Second						
5	6	2	2	1		Waste Treatment & Disposal	9	2	4	1	1	0	Administration of Air & Water Resource & Solid Waste Management Programs
C. Third							**D. Fourth**						
5	4	1	7	1		Research & Development in the Physical, Engineering, & Life Sciences							

X. Other Environmental Permits (see instructions)

A. Permit Type	B. Permit Number	C. Description

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

The 216-A-36 Crib was placed into operation in September 1965 and was divided into Section A and B. Section A is the first 100 feet (30.5 meters) on the north end of the crib and is bypassed by the process pipe. Section A was closed in 1966. Section B operated from March 1966 to October 1972, and was reactivated in November 1982 for the Plutonium-Uranium Extraction (PUREX) Plant restart. Discharges to Section B were stopped in September 1987. The mixed waste discharged to the 216-A-36B Crib came from the PUREX ammonia scrubber distillate stream. The process design capacity for the 216-A-36B Crib was 116,000 gallons (440,000 liters) per day.

The PUREX ammonia scrubber distillate waste stream is a basic byproduct waste stream generated by the ammonia scrubbers during decladding operations in the PUREX process. The waste stream came from the coating dissolution stage where ammonium fluoride and ammonium nitrate were used to dissolve the zirconium alloy cladding from fuel elements. Ammonia gas was produced as a byproduct during this reaction. The gas stream from the dissolver was scrubbed with water, which absorbed and reacted with most of the ammonia to form liquid ammonium hydroxide. This waste stream was sent to the 216-A-36B Crib for disposal.

This waste was determined to be toxic state-only (WT02) waste under the Washington State Department of Ecology's waste mixture rule because the concentrations of ammonium hydroxide were in excess of 1 percent by weight.

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

Section XII. Process Codes and Design Capacities								Section XIII. Other Process Codes								
Line Number		A. Process Codes (enter code)			B. Process Design Capacity		C. Process Total Number of Units	Line Number		A. Process Codes (enter code)			B Process Design Capacity		C. Process Total Number of Units	D. Process Description
					1. Amount	2. Unit of Measure (enter code)							1. Amount	2. Unit of Measure (enter code)		
X	1	S	0	2	1,600	G	002	X	1	T	0	4	700	C	001	In situ vitrification
X	2	T	0	3	20	E	001									
X	3	T	0	4	700	C	001									
	1	D	8	0	116,000	U	001		1							
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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	W	T	0	2	265,000,000	P	D	8	0							
2																
3																
4																
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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

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XVIII. Certifications

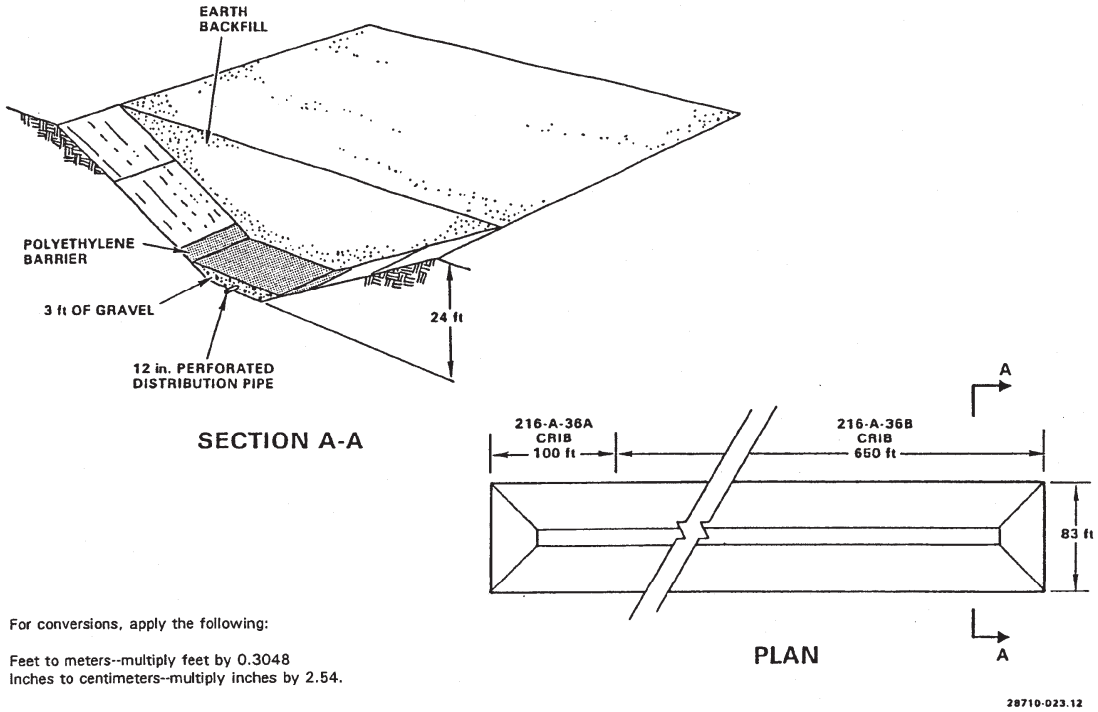
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage 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) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature**	**Date Signed** 1/22/2021
Co-Operator* Name and Official Title (type or print) Scott Sax, President and Project Manager Central Plateau Cleanup Company LLC	**Signature** SCOTT SAX (Affiliate) Digitally signed by SCOTT SAX (Affiliate) Date: 2021.01.19 16:43:21 -08'00'	**Date Signed**
Co-Operator – Address and Telephone Number* P.O. Box 1464 Richland, WA 99352 (509) 372-3845		
Facility-Property Owner Name and Official Title (type or print) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature**	**Date Signed** 1/22/2021

Comments
In Section IV, Facility Location is revised to update the facility location. In Section VI, Facility contact is revised to update the DOE-RL contact. In Section VII, Facility Operator Information is revised to update change in Co-Operator. In Section VIII, Facility Owner Information is revised to update facility owner name. In Section XVIII, "Certifications" is revised to update Operator Name, Co-Operator name, and Facility-Property Owner name. The topographic map for the unit is updated to reflect the current mapping conventions. The changes in these sections and the topographic map will be effective January 25, 2021. No other changes have been made to the Part A form sections. The certification is limited to the changes effective January 25, 2021.

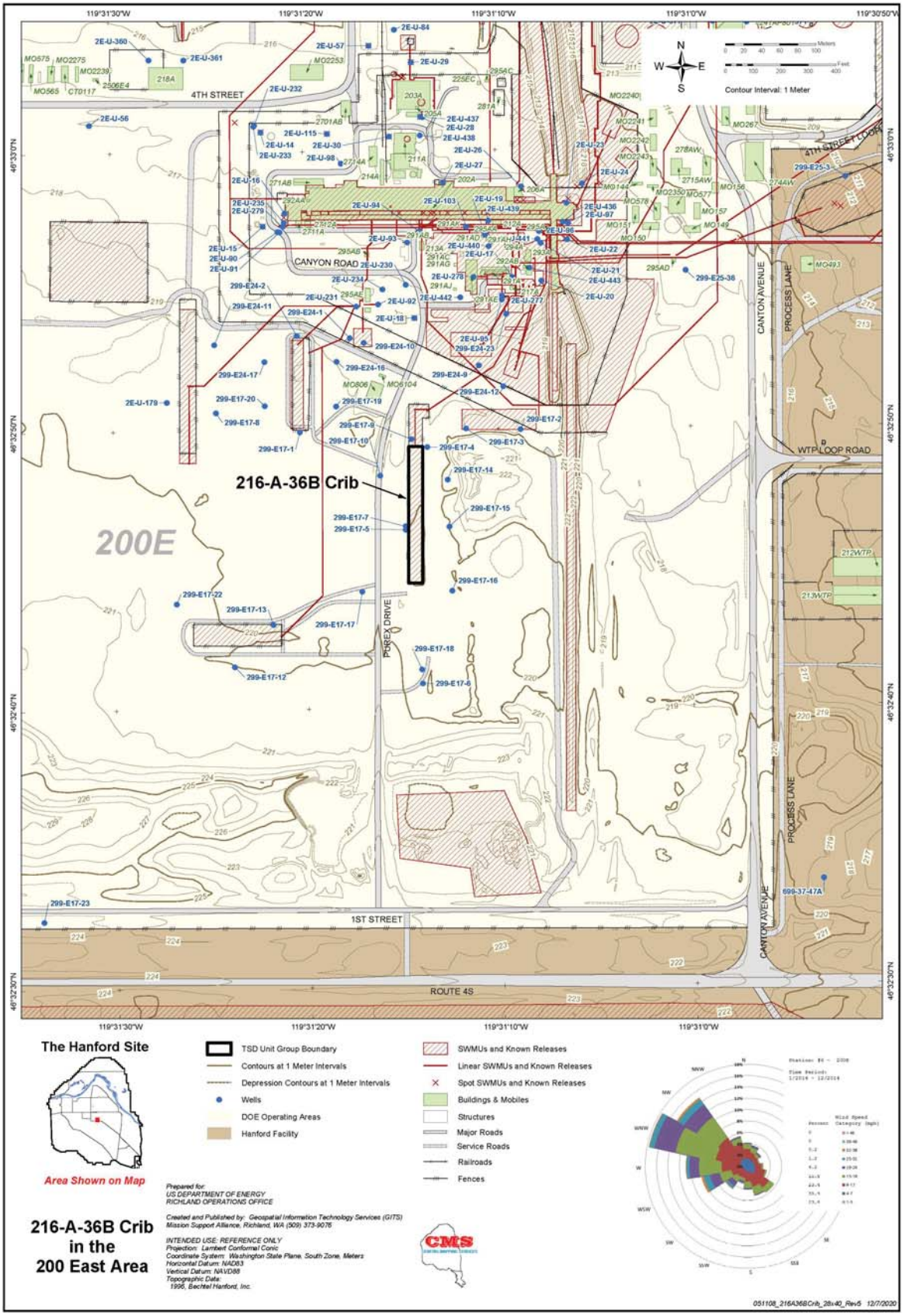
216-A-36B Crib

216-A-36A & 216-A-36B Cribs



For conversions, apply the following:

Feet to meters--multiply feet by 0.3048
Inches to centimeters--multiply inches by 2.54.


216-A-36B Crib
200E
4TH STREET
CANYON ROAD
CANYON AVENUE
PROCESS LANE
WTP LOOP ROAD
PUREX DRIVE
1ST STREET
ROUTE 4S
Contour Interval: 1 Meter
The Hanford Site
Area Shown on Map
TSD Unit Group Boundary
Contours at 1 Meter Intervals
Depression Contours at 1 Meter Intervals
Wells
DOE Operating Areas
Hanford Facility
SWMUs and Known Releases
Linear SWMUs and Known Releases
Spot SWMUs and Known Releases
Buildings & Mobiles
Structures
Major Roads
Service Roads
Railroads
Fences
216-A-36B Crib in the 200 East Area
Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
Created and Published by: Geospatial Information Technology Services (GITS)
Mission Support Alliance, Richland, WA (509) 373-9076
INTENDED USE: REFERENCE ONLY
Projection: Lambert Conformal Conic
Coordinate System: Washington State Plane, South Zone, Meters
Horizontal Datum: NAD83
Vertical Datum: NAVD88
Topographic Data:
1996, Bechtel Hanford, Inc.
CMS
051108_216A36BCrib_28x40_Rev5 12/7/2020

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)

☐	Request modification to a final status permit (commonly called a "Part B" permit)
☒	Request a change under interim status
☐	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).
☐	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

2440 Stevens Drive

City or Town	State	ZIP Code
Richland	WA	99354

County Code (if known)	County Name
0 0 5	Benton

B. Land Type	C. Geographic Location Latitude (degrees, mins, secs)	Longitude (degrees, mins, secs)	D. Facility Existence Date 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)**	
Vance	Brian	
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 Central Plateau Cleanup Company LLC Co-Operator for 216-A-37-1 Crib*		(509) 376-7395 (509) 372-3845*
Street or P.O. Box		
P.O. Box 550 P.O. Box 1464*		
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?	☒ **Yes** ☐ **No** Co-Operator* change	
If yes, provide the scheduled date for the change:	**Month** 0 1 **Day** 2 5 **Year** 2 0 2 1	
D. Is the name listed in VII.A. also the owner? If yes, skip to Section VIII.C.	☒ **Yes** ☐ **No**	

VIII. Facility Owner Information		
A. Name	**Phone Number (area code and number)**	
Brian T. Vance, 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?	☐ **Yes** ☒ **No**	
If yes, provide the scheduled date for the change:	**Month** **Day** **Year**	

IX. NAICS Codes (5/6 digit codes)

A. First							B. Second						
5	6	2	2	1		Waste Treatment & Disposal	9	2	4	1	1	0	Administration of Air & Water Resource & Solid Waste Management Programs
C. Third							**D. Fourth**						
5	4	1	7	1		Research & Development in the Physical, Engineering, & Life Sciences							

X. Other Environmental Permits (see instructions)

A. Permit Type	B. Permit Number	C. Description

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

The 216-A-37-1 Crib began operation in March 1977 and was used for the percolation of the 242-A Evaporator process condensate to the soil column. The process design capacity of 86,400 gallons (327,000 liters) per day is based on the daily output of the 242-A Evaporator process condensate discharged to the 216-A-37-1 Crib. Discharge of the 242-A Evaporator process condensate to the 216-A-37-1 Crib was terminated on April 12, 1989, when it was determined that the 242-A Evaporator process condensate contained or could have contained mixed waste regulated under Washington Administrative Code 173-303.

The 242-A Evaporator process condensate is regulated as mixed waste because the waste is derived from a waste containing spent halogenated and nonhalogenated solvents (F001, F002, F003, F004, and F005), and for the toxicity of ammonia (WT02, toxic state-only). The estimated annual quantity of dangerous waste 108,290,000 pounds (4,912,000 kilograms) represents the maximum annual output of 242-A Evaporator process condensate during operating campaigns.

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

Section XII. Process Codes and Design Capacities								Section XIII. Other Process Codes								
Line Number		A. Process Codes (enter code)			B. Process Design Capacity		C. Process Total Number of Units	Line Number		A. Process Codes (enter code)			B Process Design Capacity		C. Process Total Number of Units	D. Process Description
					1. Amount	2. Unit of Measure (enter code)							1. Amount	2. Unit of Measure (enter code)		
X	1	S	0	2	1,600	G	002	X	1	T	0	4	700	C	001	In situ vitrification
X	2	T	0	3	20	E	001									
X	3	T	0	4	700	C	001									
	1	D	8	0	86,400	U	001		1							
	2								2							
	3								3							
	4								4							
	5								5							
	6								6							
	7								7							
	8								8							
	9								9							
1	0							1	0							
1	1							1	1							
1	2							1	2							
1	3							1	3							
1	4							1	4							
1	5							1	5							
1	6							1	6							
1	7							1	7							
1	8							1	8							
1	9							1	9							
2	0							2	0							
2	1							2	1							
2	2							2	2							
2	3							2	3							
2	4							2	4							
2	5							2	5							

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	F	0	0	1	108,290,000	P	D	8	0							
2	F	0	0	2		P	D	8	0							
3	F	0	0	3		P	D	8	0							
4	F	0	0	4		P	D	8	0							
5	F	0	0	5		P	D	8	0							
6	W	T	0	2		P	D	8	0							
7																
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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).

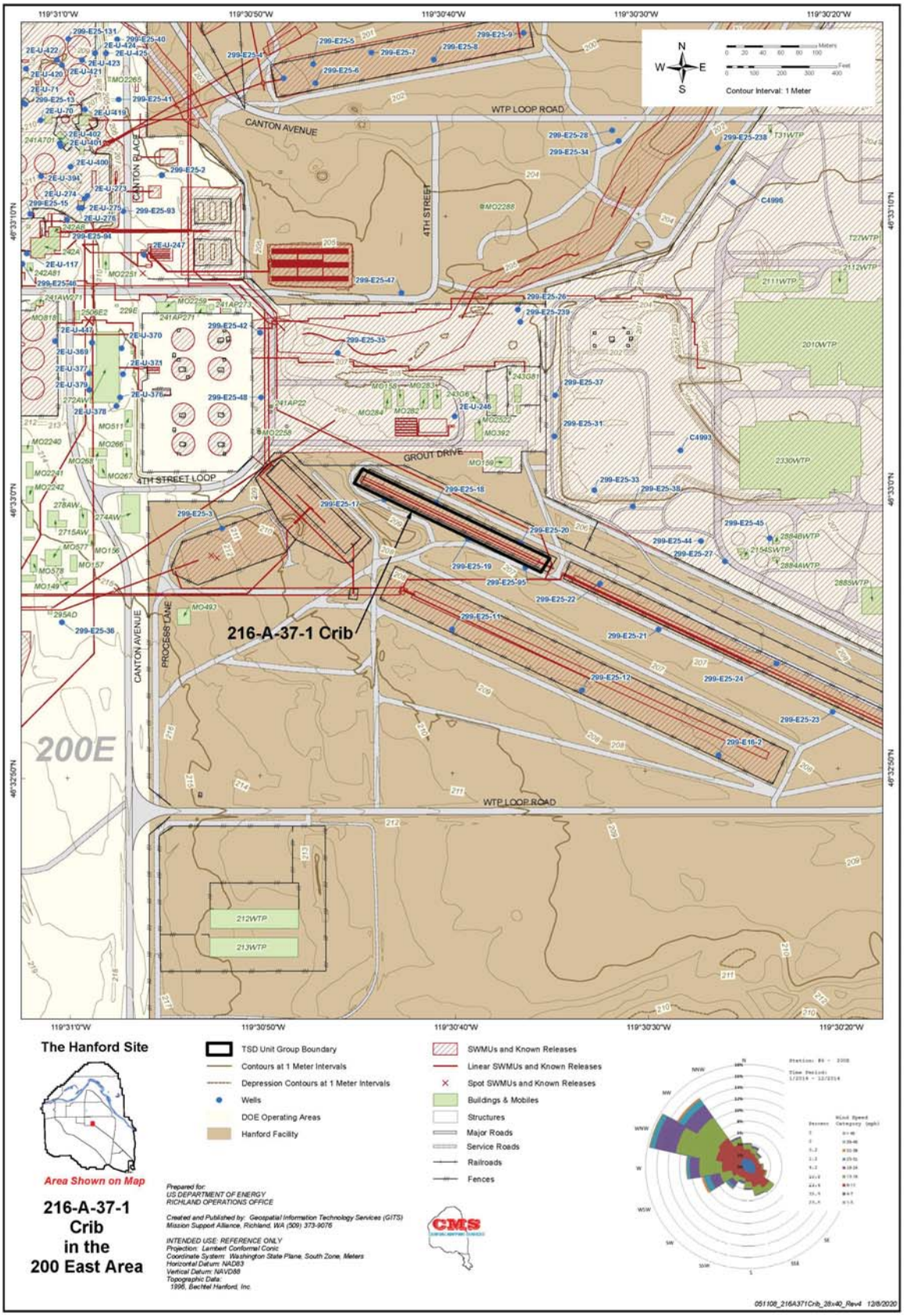
XVIII. Certifications

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) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature**	**Date Signed** 1/22/2021
Co-Operator* Name and Official Title (type or print) Scott Sax, President and Chief Executive Officer Central Plateau Cleanup Company LLC	**Signature** SCOTT SAX (Affiliate) Digitally signed by SCOTT SAX (Affiliate) Date: 2021.01.19 16:41:17 -08'00'	**Date Signed**
Co-Operator – Address and Telephone Number* P.O. Box 1464 Richland, WA 99352 (509) 372-3845		
Facility-Property Owner Name and Official Title (type or print) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature**	**Date Signed** 1/22/2021

Comments
In Section IV, Facility Location is revised to update the facility location. In Section VI, Facility contact is revised to update the DOE-RL contact. In Section VII, Facility Operator Information is revised to update change in Co-Operator. In Section VIII, Facility Owner Information is revised to update facility owner name. In Section XVIII, "Certifications" is revised to update Operator Name, Co-Operator name, and Facility-Property Owner name. The topographic map for the unit is updated to reflect the current mapping conventions. The changes in these sections and the topographic map will be effective January 25, 2021. No other changes have been made to the Part A form sections. The certification is limited to the changes effective January 25, 2021.

216-A-37-1 Crib


119°31'0"W
119°30'50"W
119°30'40"W
119°30'30"W
119°30'20"W
46°33'10"N
46°33'0"N
46°32'50"N
N
S
E
W
Contour Interval: 1 Meter
WTP LOOP ROAD
CANTON AVENUE
CANTON PLACE
4TH STREET
4TH STREET LOOP
GROUT DRIVE
PROCESS LANE
216-A-37-1 Crib
200E
212WTP
213WTP
The Hanford Site
Area Shown on Map
216-A-37-1 Crib in the 200 East Area
TSD Unit Group Boundary
Contours at 1 Meter Intervals
Depression Contours at 1 Meter Intervals
Wells
DOE Operating Areas
Hanford Facility
SWMUs and Known Releases
Linear SWMUs and Known Releases
Spot SWMUs and Known Releases
Buildings & Mobiles
Structures
Major Roads
Service Roads
Railroads
Fences
Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
Created and Published by: Geospatial Information Technology Services (GITS)
Mission Support Alliance, Richland, WA (509) 373-9076
INTENDED USE: REFERENCE ONLY
Projection: Lambert Conformal Conic
Coordinate System: Washington State Plane, South Zone, Meters
Horizontal Datum: NAD83
Vertical Datum: NAVD88
Topographic Data:
1998, Bechtel Hanford, Inc.
CMS
051108_216A371Crib_28x40_Rev4 12/8/2020

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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)

☐	**Request modification to a final status permit (commonly called a "Part B" permit)**
☒	**Request a change under interim status**
☐	**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).**
☐	**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

2440 Stevens Drive

City or Town	State	ZIP Code
Richland	WA	99354

County Code (if known)	County Name
0 0 5	Benton

B. Land Type	C. Geographic Location Latitude (degrees, mins, secs)	Longitude (degrees, mins, secs)	D. Facility Existence Date 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)**
Vance	Brian
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 Central Plateau Cleanup Company LLC Co-Operator for 216-B-3 Main Pond*	(509) 376-7395 (509) 372-3845*
Street or P.O. Box	
P.O. Box 550 P.O. Box 1464*	

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? ☒ Yes ☐ No Co-Operator* change

If yes, provide the scheduled date for the change:

Month		Day		Year			
0	1	2	5	2	0	2	1

D. Is the name listed in VII.A. also the owner? If yes, skip to Section VIII.C. ☒ Yes ☐ No

VIII. Facility Owner Information	
A. Name	**Phone Number (area code and number)**
Brian T. Vance, 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? ☐ Yes ☒ No

If yes, provide the scheduled date for the change:

Month		Day		Year			

IX. NAICS Codes (5/6 digit codes)

A. First							B. Second						
5	6	2	2	1		Waste Treatment & Disposal	9	2	4	1	1	0	Administration of Air & Water Resource & Solid Waste Management Programs
C. Third							**D. Fourth**						
5	4	1	7	1		Research & Development in the Physical, Engineering, & Life Sciences							

X. Other Environmental Permits (see instructions)

A. Permit Type	B. Permit Number	C. Description

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

The 216-B-3 Main Pond (Main Pond) was used from April 1945 to May 1994. The 216-B-3 Pond covers an area of 14 hectares (35 acres) to a depth of 0.6 to 2.4 meters (2 to 8 feet). The 216-B-3 Pond received effluent initially from the 216-B-3-2 Ditch from B Plant and later from the 216-B-3-3 Ditch, which was excavated in 1970 to replace the 216-B-3-2 Ditch.

The 216-B-3-3 Ditch was approximately 1,128 meters (3,700 feet) long, 9.1 meters (30 feet) wide at ground level, 0.9 meters(3 feet) wide at the bottom, and 1.2 to 2.4 meters (4 to 8 feet) deep. The 216-B-3-3 Ditch received effluents from B Plant, 241-BY Tank Farm, 244-CR Vault, and plutonium-uranium extraction (PUREX) Plant. Most of the 216-B-3 Main Pond dangerous waste came from the 216-A-29 Ditch, which drained the PUREX chemical sewer. The 216-A-29 Ditch discharged into the 216-B-3-3 Ditch approximately 305 meters (1,000 feet) west of the 216-B-3 Pond. The 216-A-29 Ditch was shut down and interim stabilized in July 1991.

The Main Pond received wastewater (primarily process and cooling water) from the PUREX Plant, the B Plant Complex, the 242-A Evaporator, and other 200 East Area units. The Main Pond received dangerous waste from corrosive and toxic dangerous waste resulting from the regeneration of demineralizer columns and off-spec make-ups of essential chemicals used in the process at the PUREX Plant (D84), and spills of dangerous or mixed waste at the PUREX Plant. Backwash from the regeneration of the demineralizer columns frequently was corrosive (D002) and chemicals used in the aqueous makeup area at PUREX were occasionally discharged and included nitric acid, sulfuric acid, sodium hydroxide, and potassium hydroxide (D002/WT02). Treatment of the waste from regeneration of the demineralizer columns occurred by the successive discharge of acidic and caustic waste, which served to neutralize the corrosivity of the waste. Residual corrosivity was neutralized by the calcareous nature of the Main Pond soil (T02). Releases from the PUREX Plant included hydrazine (U133), cadmium nitrate (WT01/D006), and ammonium fluoride/ammonium nitrate (WT01). Since 1984, administrative and engineering barriers were put in place at the PUREX Plant to prevent dangerous waste from being discharged into the Main Pond.

The process design capacities given for waste process codes T02 and D83 [3,180,000, liters (840,000 gallons) per day] represent the Main Pond's proportional share (based on percolation capacity) of the process design capacity of the entire B Pond System (which includes the 216-B-3 Expansion Ponds, a separate dangerous waste treatment and disposal unit). At the peak of operations, approximately 83,280,000 liters (22,000,000 gallons) per day of liquid were discharged to the entire 216-B-3 Pond System.

The quantity of waste listed for D002/WT02 is an estimated annual quantity based on the Main Pond's proportional share (based on percolation capacity) of the amount of corrosive and toxic waste received by the entire 216-B-3 Pond System (which includes the 216-B-3 Expansion Ponds, a separate dangerous waste treatment and disposal unit). The quantities of waste listed for U133 and WT01/D006 represent the Main Pond's proportional share (based on percolation capacity) of the total recorded amount of hydrazine, cadmium, and ammonium fluoride/ammonium nitrate received by the entire 216-B-3 Pond System from the time the PUREX Plant resumed operations in 1983 until the last known chemical discharge occurred in 1987.

The quantities of waste listed for U133 and WT01/D006 include the water in which the chemicals were discharged. Water made up most of the weight of these discharges.

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	T	0	2	840,000,	U	001		1							
	2	D	8	3	840,000	U	001		2							
	3								3							
	4								4							
	5								5							
	6								6							
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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	2	3,500,000	P	T	0	2	D	8	3				
2	W	T	0	2	77,000	P	T	0	2	D	8	3				
3	U	1	3	3	77,000	P	T	0	2	D	8	3				
4	W	T	0	1	19,000	P	T	0	2	D	8	3				
5	D	0	0	6	169,000	P	T	0	2	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).

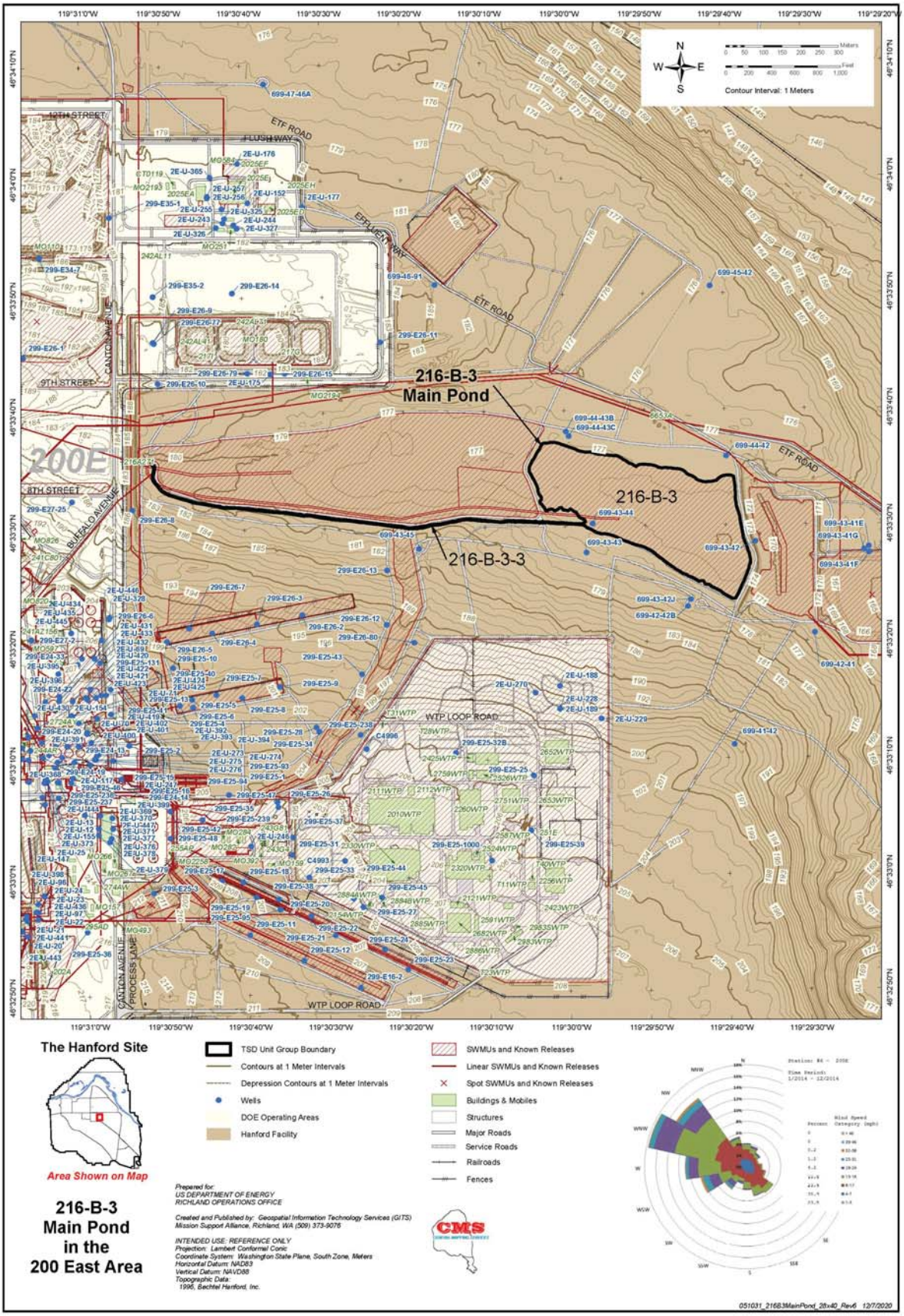
XVIII. Certifications

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.

Operator Name and Official Title (type or print) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature**	**Date Signed** 1/22/2021
Co-Operator* Name and Official Title (type or print) Scott Sax, President and Project Manager Central Plateau Cleanup Company LLC	**Signature** SCOTT SAX (Affiliate) Digitally signed by SCOTT SAX (Affiliate) Date: 2021.01.19 16:45:01 -08'00'	**Date Signed**
Co-Operator – Address and Telephone Number* P.O. Box 1464 Richland, WA 99352 (509) 372-3845		
Facility-Property Owner Name and Official Title (type or print) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature**	**Date Signed** 1/22/2021

Comments
In Section IV, Facility Location is revised to update the facility location. In Section VI, Facility contact is revised to update the DOE-RL contact. In Section VII, Facility Operator Information is revised to update change in Co-Operator. In Section VIII, Facility Owner Information is revised to update facility owner name. In Section XVIII, "Certifications" is revised to update Operator Name, Co-Operator name, and Facility-Property Owner name. The topographic map for the unit is updated to reflect the current mapping conventions. The changes in these sections and the topographic map will be effective January 25, 2021. No other changes have been made to the Part A form sections. The certification is limited to the changes effective January 25, 2021.

216-B-3 Main Pond


216-B-3
Main Pond
216-B-3
216-B-3-3
ETF ROAD
WTP LOOP ROAD
200E
10TH STREET
9TH STREET
8TH STREET
BUFFALO AVENUE
CANTON AVENUE
PROCESS LANE
Contour Interval: 1 Meters
The Hanford Site
Area Shown on Map
216-B-3
Main Pond
in the
200 East Area
TSD Unit Group Boundary
Contours at 1 Meter Intervals
Depression Contours at 1 Meter Intervals
Wells
DOE Operating Areas
Hanford Facility
SWMUs and Known Releases
Linear SWMUs and Known Releases
Spot SWMUs and Known Releases
Buildings & Mobiles
Structures
Major Roads
Service Roads
Railroads
Fences
Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
Created and Published by: Geospatial Information Technology Services (GITS)
Mission Support Alliance, Richland, WA (509) 373-9076
INTENDED USE: REFERENCE ONLY
Projection: Lambert Conformal Conic
Coordinate System: Washington State Plane, South Zone, Meters
Horizontal Datum: NAD83
Vertical Datum: NAVD88
Topographic Data:
1996, Bechtel Hanford, Inc.
CMS
051031_216B3MainPond_20x40_Rev6 12/7/2020

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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)

☐	Request modification to a final status permit (commonly called a "Part B" permit)
☒	Request a change under interim status
☐	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).
☐	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

2440 Stevens Drive

City or Town	State	ZIP Code
Richland	WA	99354

County Code (if known)	County Name
0 0 5	Benton

B. Land Type	C. Geographic Location Latitude (degrees, mins, secs)	Longitude (degrees, mins, secs)	D. Facility Existence Date 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)**
Vance	Brian
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 Central Plateau Cleanup Company LLC Co-Operator for 216-B-63 Trench*	(509) 376-7395 (509) 372-3845*
Street or P.O. Box	
P.O. Box 550 P.O. Box 1464*	

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? ☒ Yes ☐ No Co-Operator* change

If yes, provide the scheduled date for the change:

Month		Day		Year			
0	1	2	5	2	0	2	1

D. Is the name listed in VII.A. also the owner? If yes, skip to Section VIII.C. ☒ Yes ☐ No

VIII. Facility Owner Information	
A. Name	**Phone Number (area code and number)**
Brian T. Vance, 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? ☐ Yes ☒ No

If yes, provide the scheduled date for the change:

Month		Day		Year			

IX. NAICS Codes (5/6 digit codes)

A. First							B. Second						
5	6	2	2	1		Waste Treatment & Disposal	9	2	4	1	1	0	Administration of Air & Water Resource & Solid Waste Management Programs
C. Third							**D. Fourth**						
5	4	1	7	1		Research & Development in the Physical, Engineering, & Life Sciences							

X. Other Environmental Permits (see instructions)

A. Permit Type	B. Permit Number	C. Description

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

The 216-B-63 Trench began waste management operation in March of 1970. The 216-B-63 Trench received corrosive dangerous waste from the regeneration of demineralizer columns in B Plant. Treatment occurred by the successive addition of acidic and caustic waste to the trench, which served to neutralize the waste while in the trench. Approximately 970,000 liters per day of total flow reached the trench. The corrosive discharges constitute the only dangerous waste discharges to this unit.

The 216-B-63 Trench received discharges of corrosive dangerous waste (D002) from B Plant. These discharges consisted of acidic and caustic backwashes from the regeneration of demineralizer columns in B Plant. Approximately 354,000,000 kilograms of waste was managed in the trench on an annual basis.

Dangerous waste flows to the trench ceased in 1985, and all liquid flows to the trench ceased in 1992. The trench was covered with dirt in November 1994. The inlet pipe was filled with cement in December 1994. The trench can no longer accept dangerous waste. The current process capacity of the trench is zero based on the present configuration. The process design capacity listed in Section XII reflects a historical value of the average total volume of liquid discharged rather than the current physical capacity of the unit.

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	T	0	2	757,080	V	001		1							
	2	D	8	3	757,080	V	001		2							
	3								3							
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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	2	354,000,000	K	T	0	2	D	8	3				
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22																
23																
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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).

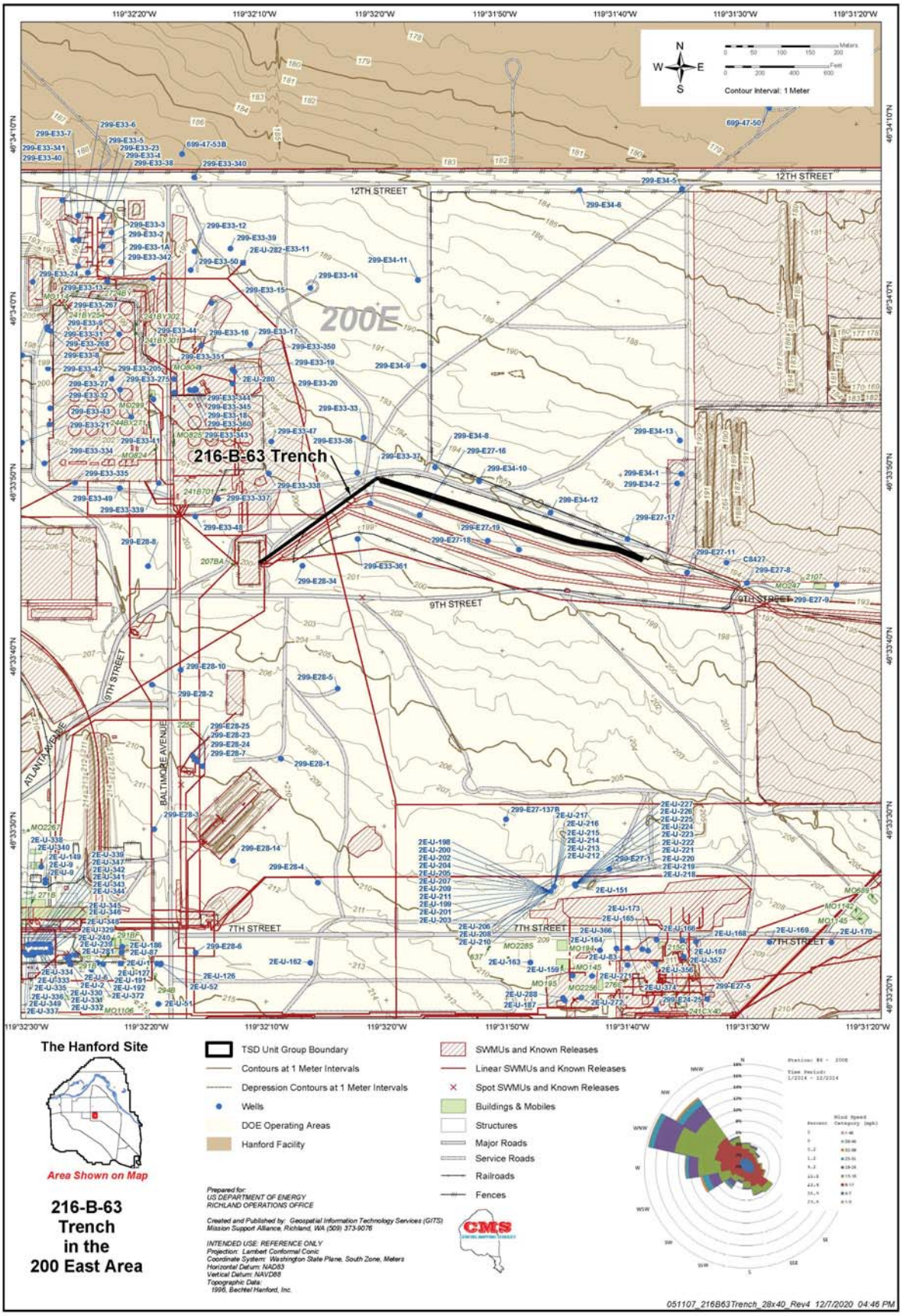
XVIII. Certifications

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) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature** BTV	**Date Signed** 1/22/2021
Co-Operator* Name and Official Title (type or print) Scott Sax President and Project Manager Central Plateau Cleanup Company LLC	**Signature** SCOTT SAX (Affiliate) Digitally signed by SCOTT SAX (Affiliate) Date: 2021.01.19 16:46:21 -08'00'	**Date Signed**
Co-Operator – Address and Telephone Number* P.O. Box 1464 Richland, WA 99352 (509) 372-3845		
Facility-Property Owner Name and Official Title (type or print) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature** BTV	**Date Signed** 1/22/2021

Comments
In Section IV, Facility Location is revised to update the facility location. In Section VI, Facility contact is revised to update the DOE-RL contact. In Section VII, Facility Operator Information is revised to update change in Co-Operator. In Section VIII, Facility Owner Information is revised to update facility owner name. In Section XVIII, "Certifications" is revised to update Operator Name, Co-Operator name, and Facility-Property Owner name. The topographic map for the unit is updated to reflect the current mapping conventions. The changes in these sections and the topographic map will be effective January 25, 2021. No other changes have been made to the Part A form sections. The certification is limited to the changes effective January 25, 2021.

216-B-63 Trench


216-B-63 Trench
200E
12TH STREET
9TH STREET
7TH STREET
ATLANTA AVENUE
BALTIMORE AVENUE
Contour Interval: 1 Meter
The Hanford Site
Area Shown on Map
216-B-63 Trench in the 200 East Area
TSD Unit Group Boundary
Contours at 1 Meter Intervals
Depression Contours at 1 Meter Intervals
Wells
DOE Operating Areas
Hanford Facility
SWMUs and Known Releases
Linear SWMUs and Known Releases
Spot SWMUs and Known Releases
Buildings & Mobiles
Structures
Major Roads
Service Roads
Railroads
Fences
Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
Created and Published by: Geospatial Information Technology Services (GITS)
Mission Support Alliance, Richland, WA (509) 373-9076
INTENDED USE: REFERENCE ONLY
Projection: Lambert Conformal Conic
Coordinate System: Washington State Plane, South Zone, Meters
Horizontal Datum: NAD83
Vertical Datum: NAVD88
Topographic Data:
1996, Bechtel Hanford, Inc.
CMS
051107_216B63Trench_28x40_Rev4 12/7/2020 04:46 PM

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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)

☐	**Request modification to a final status permit (commonly called a "Part B" permit)**
☒	**Request a change under interim status**
☐	**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).**
☐	**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

2440 Stevens Drive

City or Town	State	ZIP Code
Richland	WA	99354

County Code (if known)	County Name
0 0 5	Benton

B. Land Type	C. Geographic Location Latitude (degrees, mins, secs)	Longitude (degrees, mins, secs)	D. Facility Existence Date 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)**
Vance	Brian
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 Central Plateau Cleanup Company LLC Co-Operator for 216-S-10 Pond and Ditch*	(509) 376-7395 (509) 372-3845*
Street or P.O. Box	
P.O. Box 550 P.O. Box 1464*	

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?	☒ Yes ☐ No Co-Operator* change
If yes, provide the scheduled date for the change:	Month 0 1 Day 2 5 Year 2 0 2 1
D. Is the name listed in VII.A. also the owner? If yes, skip to Section VIII.C.	☒ Yes ☐ No

VIII. Facility Owner Information	
A. Name	**Phone Number (area code and number)**
Brian T. Vance, 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?	☐ Yes ☒ No
If yes, provide the scheduled date for the change:	Month Day Year

IX. NAICS Codes (5/6 digit codes)

A. First		B. Second	
5 6 2 2 1	Waste Treatment & Disposal	9 2 4 1 1 0	Administration of Air & Water Resource & Solid Waste Management Programs
C. Third		**D. Fourth**	
5 4 1 7 1	Research & Development in the Physical, Engineering, & Life Sciences		

X. Other Environmental Permits (see instructions)

A. Permit Type	B. Permit Number	C. Description

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. Amount	2. Unit of Measure (enter code)							1. Amount	2. Unit of Measure (enter code)		
X	1	S	0	2	1,600	G	002	X	1	T	0	4	700	C	001	In situ vitrification
X	2	T	0	3	20	E	001									
X	3	T	0	4	700	C	001									
	1	D	8	3	150,000	U	001		1							
	2								2							
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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.

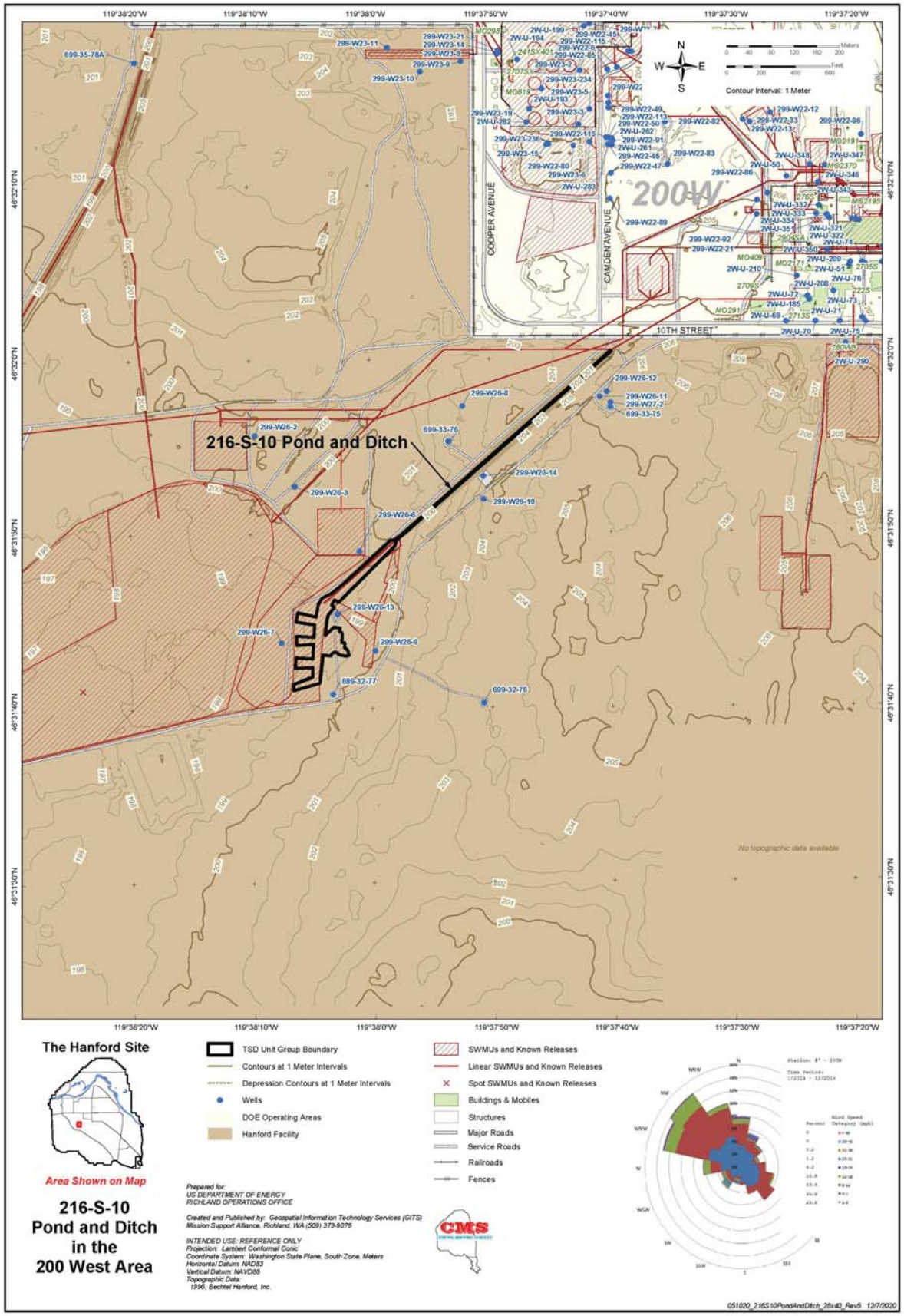
Operator Name and Official Title (type or print) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature** BTV	**Date Signed** 1/22/2021
Co-Operator* Name and Official Title (type or print) Scott Sax, President and Project Manager Central Plateau Cleanup Company LLC	**Signature** SCOTT SAX (Affiliate) Digitally signed by SCOTT SAX (Affiliate) Date: 2021.01.19 16:47:53 -08'00'	**Date Signed**
Co-Operator – Address and Telephone Number* P.O. Box 1464 Richland, WA 99352 (509) 372-3845		
Facility-Property Owner Name and Official Title (type or print) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature** BTV	**Date Signed** 1/22/2021

Comments
In Section IV, Facility Location is revised to update the facility location. In Section VI, Facility contact is revised to update the DOE-RL contact. In Section VII, Facility Operator Information is revised to update change in Co-Operator. In Section VIII, Facility Owner Information is revised to update facility owner name. In Section XVIII, "Certifications" is revised to update Operator Name, Co-Operator name, and Facility-Property Owner name. The topographic map for the unit is updated to reflect the current mapping conventions. The changes in these sections and the topographic map will be effective January 25, 2021. No other changes have been made to the Part A form sections. The certification is limited to the changes effective January 25, 2021.

216-S-10 Pond and Ditch

216-S-10 Pond Decommissioned

216-S-10 Ditch


216-S-10 Pond and Ditch
200W
COOPER AVENUE
CAMDEN AVENUE
10TH STREET
Contour Interval: 1 Meter
No topographic data available
The Hanford Site
Area Shown on Map
216-S-10
Pond and Ditch
in the
200 West Area
TSD Unit Group Boundary
Contours at 1 Meter Intervals
Depression Contours at 1 Meter Intervals
Wells
DOE Operating Areas
Hanford Facility
SWMUs and Known Releases
Linear SWMUs and Known Releases
Spot SWMUs and Known Releases
Buildings & Mobiles
Structures
Major Roads
Service Roads
Railroads
Fences
Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
Created and Published by: Geospatial Information Technology Services (GITS)
Mission Support Alliance, Richland, WA (509) 373-9076
INTENDED USE: REFERENCE ONLY
Projection: Lambert Conformal Conic
Coordinate System: Washington State Plane, South Zone, Meters
Horizontal Datum: NAD83
Vertical Datum: NAVD88
Topographic Data:
1996, Bechtel Hanford, Inc.
CMS
051020_216S10PondAndDitch_26x40_Rev5 12/7/2020

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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)

☐	**Request modification to a final status permit (commonly called a "Part B" permit)**
☒	**Request a change under interim status**
☐	**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).**
☐	**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

2440 Stevens Drive

City or Town	State	ZIP Code
Richland	WA	99354

County Code (if known)	County Name
0 0 5	Benton

B. Land Type	C. Geographic Location Latitude (degrees, mins, secs)	Longitude (degrees, mins, secs)	D. Facility Existence Date 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)**	
Vance	Brian	
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 Central Plateau Cleanup Company LLC Co-Operator for 241-CX Tank System*		(509) 376-7395 (509) 372-3845*
Street or P.O. Box		
P.O. Box 550 P.O. Box 1464*		
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?	☒ **Yes** ☐ **No** Co-Operator* change	
If yes, provide the scheduled date for the change:	**Month** 0 1 / **Day** 2 5 / **Year** 2 0 2 1	
D. Is the name listed in VII.A. also the owner? If yes, skip to Section VIII.C.	☒ **Yes** ☐ **No**	

VIII. Facility Owner Information		
A. Name	**Phone Number (area code and number)**	
Brian T. Vance, 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?	☐ **Yes** ☒ **No**	
If yes, provide the scheduled date for the change:	**Month** / **Day** / **Year**	

IX. NAICS Codes (5/6 digit codes)

A. First							B. Second						
5	6	2	2	1		Waste Treatment & Disposal	9	2	4	1	1	0	Administration of Air & Water Resource & Solid Waste Management Programs
C. Third							**D. Fourth**						
5	4	1	7	1		Research & Development in the Physical, Engineering, & Life Sciences							

X. Other Environmental Permits (see instructions)

A. Permit Type	B. Permit Number	C. Description
E	FF-01	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)

The 241-CX Tank System is located east of the 209-E Building in the 200 East Area of the Hanford Facility. The 241-CX Tank System consists of three Tanks--241-CX-70 (CX-70), 241-CX-71 (CX-71), and 241-CX-72 (CX-72). Processes that were associated with these three tanks are as follows.

Tank CX-70 was used for approximately one year in the early 1950's, to store high-activity process waste from the reduction/oxidation (REDOX) pilot studies before transferring the waste to Tank Farms. The term REDOX was used for the reduction/oxidation chemical process separating plutonium and uranium from irradiated reactor fuels. Waste removal activities for Tank CX-70 were initiated in the summer of 1987 with the construction of a sluicing/pumping system. The sluicing/pumping system involved using large volumes of water to sluice/pump the solid mixed waste from Tank CX-70 to the Double-Shell Tank System. Approximately 140,000 gallons (529,950 liters) of water were used to sluice the original waste volume of 10,300 gallons (38,986 liters) down to 750 gallons (2,839 liters). This volume remained in Tank CX-70 until December 20, 1991, at which time the waste was placed in approved containers and transferred to the-224-T Transuranic Waste Storage and Assay Facility. The design capacity of Tank CX-70 is 30,000 gallons (113,550 liters). The mixed waste was considered corrosive (D002) because of the presence of sodium hydroxide. The mixed waste contained the toxicity characteristic waste chromium (D007) and was considered a state-only toxic dangerous waste (WT02). The estimated annual quantity of waste that was treated and stored in Tank CX-70 is approximately 19,000 pounds (8,630 kilograms).

Tank CX-71 was used from 1952 through 1957 for neutralizing the 201-C process condensate and the coil and condenser cooling water by contact with a bed of limestone aggregate placed in the tank for this purpose. After the June 1957 decontamination flushes, Tank CX-71 was placed out of service. The waste was considered state-only toxic dangerous waste (WT02) because of the presence of cyanides and nitrates. The estimated annual quantity of waste that was treated and stored in Tank CX-71 is approximately 33,400 pounds (15,171 kilograms). The design capacity of Tank CX-71 is 1,000 gallons (3,785 liters).

Tank CX-72 was used for approximately 1 year in 1956 when 2,305 gallons (8,725 liters) of Strontium Semiworks Complex mixed waste was transferred into the tank for storage. Tank CX-72 was also used to study the concentration of waste generated from the Strontium Semiworks Complex pilot studies, and as a experimental tank to study the characteristics of self-concentrating waste from the Plutonium Uranium Extraction (PUREX) process. Decontamination flushes from the Strontium Semiworks Complex also might have been sent to Tank CX-72. The waste in the tank was heated until nearly dry. From 1960 through 1967, Tank CX-72 remained idle until taken out of service in 1967. By March 1978, the tank was recorded as being empty. Following a level measurement taken in 1986, supporting the tank was empty, Tank CX-72 was filled with grout. In 1988, a rod from the paddle system was accidentally pulled out of the tank. Based on the contamination on the rod, it is estimated that 24 feet (7.3 meters) of grout was placed over an 11-foot (3.4-meter) deep heel of non-liquid mixed waste. Based on a conservative designation, the mixed waste could consist of toxic constituents (D002, and D004 through D011), and state-only toxic dangerous waste (WT01, and WT02). The design capacity of Tank CX-72 is 2,340 gallons (8,860 liters). The estimated annual quantity of waste that was treated and stored in Tank CX-72 is approximately 19,530 pounds (8,870 kilograms).

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	0	2	33,340	G	003		1							
	2								2							
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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	2	19,000	P	S	0	2							Tank 241-CX-70
2	D	0	0	7		P	S	0	2							Tank 241-CX-70
3	W	T	0	2		P	S	0	2							Tank 241-CX-70
4	W	T	0	2	33,400	P	S	0	2							Tank 241-CX-71
5	D	0	0	2	19,530	P	S	0	2							Tank 241-CX-72
6	D	0	0	4		P	S	0	2							Tank 241-CX-72
7	D	0	0	5		P	S	0	2							Tank 241-CX-72
8	D	0	0	6		P	S	0	2							Tank 241-CX-72
9	D	0	0	7		P	S	0	2							Tank 241-CX-72
10	D	0	0	8		P	S	0	2							Tank 241-CX-72
11	D	0	0	9		P	S	0	2							Tank 241-CX-72
12	D	0	1	0		P	S	0	2							Tank 241-CX-72
13	D	0	1	1		P	S	0	2							Tank 241-CX-72
14	W	T	0	1		P	S	0	2							Tank 241-CX-72
15	W	T	0	2		P	S	0	2							Tank 241-CX-72
16																
17																
18																
19																
20																
21																
22																
23																
24																
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).

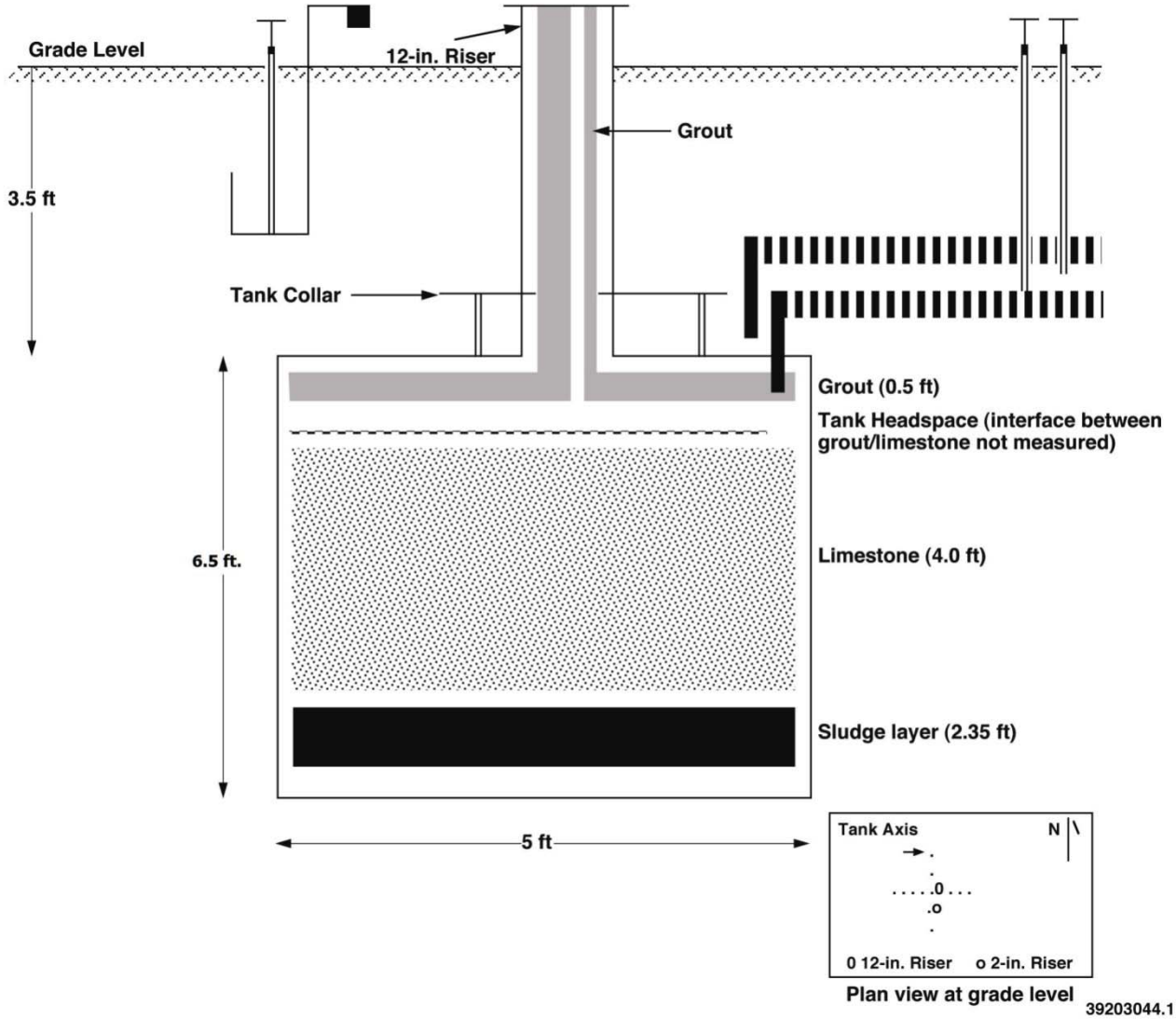
XVIII. Certifications

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) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature**	**Date Signed** 1/22/2021
Co-Operator* Name and Official Title (type or print) Scott Sax, President and Project Manager Central Plateau Cleanup Company LLC	**Signature** SCOTT SAX (Affiliate) Digitally signed by SCOTT SAX (Affiliate) Date: 2021.01.19 16:49:41 -08'00'	**Date Signed**
Co-Operator – Address and Telephone Number* P.O. Box 1464 Richland, WA 99352 (509) 6372-3845		
Facility-Property Owner Name and Official Title (type or print) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature**	**Date Signed** 1/22/2021

Comments
In Section IV, Facility Location is revised to update the facility location. In Section VI, Facility contact is revised to update the DOE-RL contact. In Section VII, Facility Operator Information is revised to update change in Co-Operator. In Section VIII, Facility Owner Information is revised to update facility owner name. In Section XVIII, "Certifications" is revised to update Operator Name, Co-Operator name, and Facility-Property Owner name. The topographic map for the unit is updated to reflect the current mapping conventions. The changes in these sections and the topographic map will be effective January 25, 2021. No other changes have been made to the Part A form sections. The certification is limited to the changes effective January 25, 2021.

241-CX-71 Cylindrical Tank Cross-Sectional View



241-CX Tank System

Tank 241-CX-70

Tank 241-CX-71

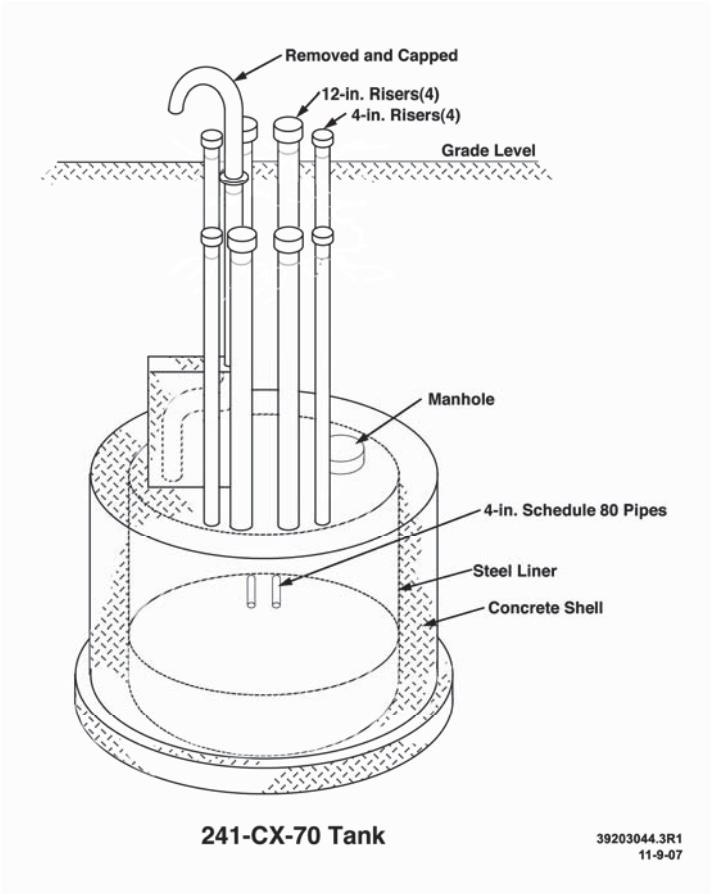
Building containing 241-CX-72

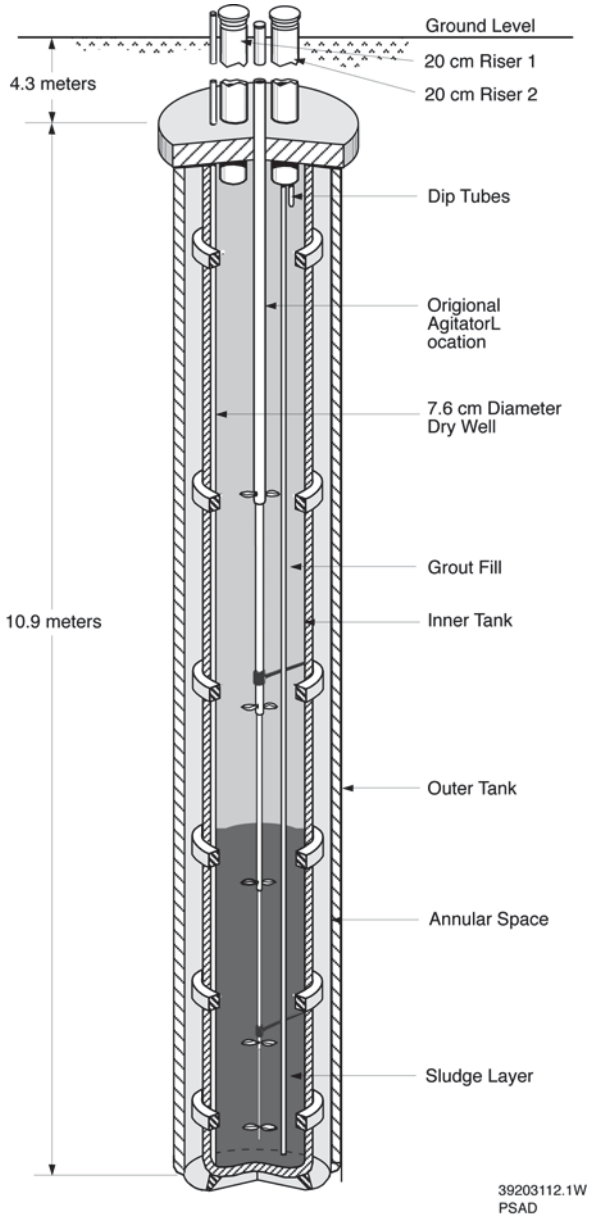
Building containing 241-CX-72

Tank 241-CX-72

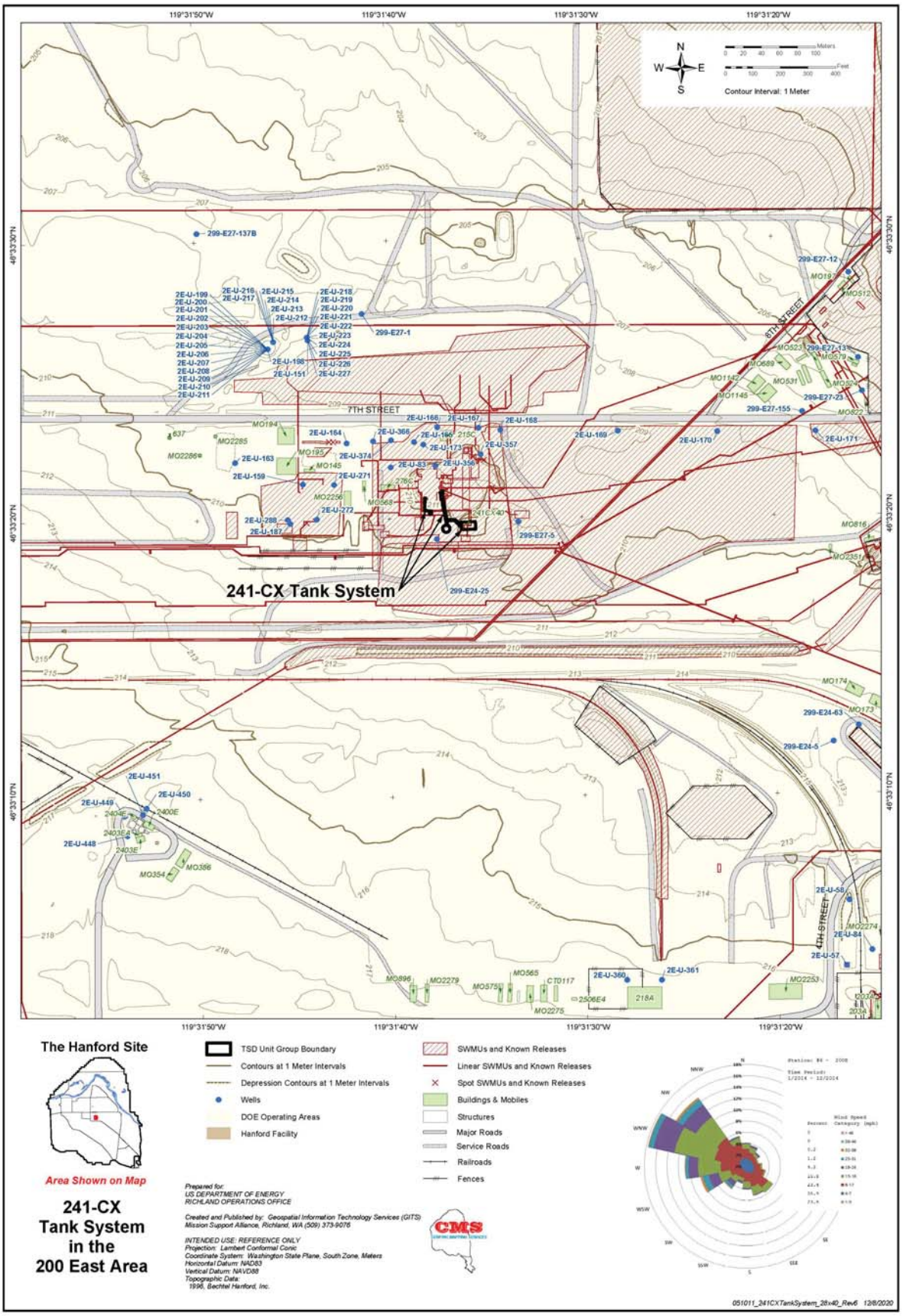
93060151-1CN
Photo Taken 1993

241-CX Tank System





Tank 241-CX-72 Cutaway


119°31'50"W
119°31'40"W
119°31'30"W
119°31'20"W
46°33'30"N
46°33'20"N
46°33'10"N
N
S
E
W
Contour Interval: 1 Meter
7TH STREET
8TH STREET
241-CX Tank System
The Hanford Site
Area Shown on Map
241-CX
Tank System
in the
200 East Area
TSD Unit Group Boundary
Contours at 1 Meter Intervals
Depression Contours at 1 Meter Intervals
Wells
DOE Operating Areas
Hanford Facility
SWMUs and Known Releases
Linear SWMUs and Known Releases
Spot SWMUs and Known Releases
Buildings & Mobiles
Structures
Major Roads
Service Roads
Railroads
Fences
Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
Created and Published by: Geospatial Information Technology Services (GITS)
Mission Support Alliance, Richland, WA (509) 373-9076
INTENDED USE: REFERENCE ONLY
Projection: Lambert Conformal Conic
Coordinate System: Washington State Plane, South Zone, Meters
Horizontal Datum: NAD83
Vertical Datum: NAVD88
Topographic Data:
1996, Bechtel Hanford, Inc.
CMS
051011_241CXTankSystem_28x40_Rev6 12/8/2020

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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)

☐	**Request modification to a final status permit (commonly called a "Part B" permit)**
☒	**Request a change under interim status**
☐	**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).**
☐	**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

2440 Stevens Drive

City or Town	State	ZIP Code
Richland	WA	99354

County Code (if known)	County Name
0 0 5	Benton

B. Land Type	C. Geographic Location Latitude (degrees, mins, secs)	Longitude (degrees, mins, secs)	D. Facility Existence Date 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)**	
Vance	Brian	
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 Central Plateau Cleanup Company LLC Co-Operator for B Plant Complex*	(509) 376-7395 (509) 372-3845*	
Street or P.O. Box		
P.O. Box 550 P.O. Box 1464*		
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?	☒ **Yes** ☐ **No** Co-Operator* change	
If yes, provide the scheduled date for the change:	**Month** 0 1	**Day** 2 5 **Year** 2 0 2 1
D. Is the name listed in VII.A. also the owner? If yes, skip to Section VIII.C.	☒ **Yes** ☐ **No**	

VIII. Facility Owner Information		
A. Name	**Phone Number (area code and number)**	
Brian T. Vance, 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?	☐ **Yes** ☒ **No**	
If yes, provide the scheduled date for the change:	**Month**	**Day** **Year**

IX. NAICS Codes (5/6 digit codes)													
A. First							**B. Second**						
5	6	2	2	1		Waste Treatment & Disposal	9	2	4	1	1	0	Administration of Air & Water Resource & Solid Waste Management Programs
C. Third							**D. Fourth**						
5	4	1	7	1		Research & Development in the Physical, Engineering, & Life Sciences							

X. Other Environmental Permits (see instructions)

A. Permit Type			B. Permit Number												C. Description
	E		A	I	R	–	0	6	–	1	0	1	0		WAC 246-247, NOC Radioactive Air
	E		F	F	–	0	1								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)

B Plant (constructed in 1943, began operations in April 1945) is located in the western central portion of the 200 East Area. The first mission for B Plant was the recovery of plutonium using a bismuth phosphate chemical separation process (1945 to 1952). In the early 1960's, B Plant was modified for a second mission, recovery, and purification of cesium and strontium. The cesium and strontium were encapsulated and stored in the Waste Encapsulation and Storage Facility (WESF).

Presently, the B Plant Complex consists of the main facility (221-B) and various support structures. The B Plant Complex contains five dangerous waste storage and/or treatment tank systems (54 vessels), Cell 4 container storage, and containment building storage. Most waste handling activities were conducted in the 221-B Building. The 221-B Building used a remote process cell design to house the process tanks and associated equipment. Typical cells are 5.5 meters long by 3.9 meters wide by 8.5 meters deep; and each cell is covered with four concrete cover blocks. The 221-B Building is made of reinforced concrete, and is approximately 259 meters long by 21 meters wide by 23 meters high, covering an area of approximately 5,370 square meters. Additional operations were carried out in various other smaller support buildings including the 221-BB Building, 221-BF Facility, and 276-BA Facility.

S02/T01

The Neutralized Current Acid Waste Treatment and Storage System is located in the 221-B Building. The neutralized current acid waste was transferred to the B Plant Complex (221-B Building) for the Tank Waste Remediation pretreatment project. The neutralized current acid waste inventory was transferred back to the Double-Shell Tank (DST) System in May 1993 after the Tank Waste Remediation pretreatment project was canceled. No waste is being stored or treated, and there is no intention of resuming operations. The system is included to reflect past operations.

The Low-Level Waste Treatment and Storage System is located within the 221-B Building. Treatment of low-level waste (to meet DST System acceptance standards) includes the addition of sodium hydroxide until the pH is greater than 12.0. Treatment also includes the addition of sodium nitrite until the nitrite concentration is above 600 parts per million and other chemicals required to meet the acceptance criteria. The low-level waste tank storage was intended for waste generated at the 221-B Building and WESF that was not being transferred in 90 days to the DST System. There is no plan to store low-level waste at the 221-B Building from other sources. No waste is being stored or treated, and there is no intention of resuming operations. The system is included to reflect past operations.

The Low-Level Waste Concentrator (formerly known as the single-stage thermal siphon reboiler), located in the 221-B Building, Cell 23, was operated to concentrate the low-level waste in the low-level waste storage and treatment tank system. The low-level waste concentrator is a thermal siphon and shell and tube heat exchanger. This system is inactive with no intention of resuming operations. The system is included to reflect past operations.

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	0	2	811,280	L	054		1							
	2	T	0	1	107,126	V	024		2							
	3	S	0	1	51,008	L	001		3							
	4	S	0	6	35,170	C	001		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. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Processes									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
X 1	**D**	**0**	**0**	**2**	**400**	**P**	**S**	**0**	**1**	**T**	**0**	**1**				
X 2	**D**	**0**	**0**	**1**	**100**	**P**	**S**	**0**	**2**	**T**	**0**	**1**				
X 3	**D**	**0**	**0**	**2**												**Included with above**
1	D	0	0	8	6,804	K	S	0	1							Includes Debris
2	W	T	0	1		K	S	0	1							Includes Debris
3	W	T	0	2		K	S	0	1							Includes Debris
4	D	0	0	2	6,804	K	S	0	6							Includes Debris
5	D	0	0	4		K	S	0	6							Includes Debris
6	D	0	0	5		K	S	0	6							Includes Debris
7	D	0	0	6		K	S	0	6							Includes Debris
8	D	0	0	7		K	S	0	6							Includes Debris
9	D	0	0	8		K	S	0	6							Includes Debris
10	D	0	0	9		K	S	0	6							Includes Debris
11	D	0	1	0		K	S	0	6							Includes Debris
12	D	0	1	1		K	S	0	6							Includes Debris
13	F	0	0	1		K	S	0	6							Includes Debris
14	F	0	0	2		K	S	0	6							Includes Debris
15	F	0	0	3		K	S	0	6							Includes Debris
16	F	0	0	4		K	S	0	6							Includes Debris
17	F	0	0	5		K	S	0	6							Includes Debris
18	W	T	0	1		K	S	0	6							Includes Debris
19	W	T	0	2		K	S	0	6							Includes Debris
20	D	0	0	2	375,627*	K	S	0	2							
21	D	0	0	4		K	S	0	2							
22	D	0	0	5		K	S	0	2							
23	D	0	0	6		K	S	0	2							
24	D	0	0	7		K	S	0	2							
25	D	0	0	8		K	S	0	2							

* The quantity of waste represents past operations. There are no plans to use these vessels for mixed waste activities.

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

Continuation of Section XIV. Description of Dangerous Waste

Line Number	A. Dangerous Waste No. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Process									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
26	D	0	0	9		K	S	0	2							
27	D	0	1	0		K	S	0	2							
28	D	0	1	1		K	S	0	2							
29	F	0	0	1		K	S	0	2							
30	F	0	0	2		K	S	0	2							
31	F	0	0	3		K	S	0	2							
32	F	0	0	4		K	S	0	2							
33	F	0	0	5		K	S	0	2							
34	W	T	0	1		K	S	0	2							
35	W	T	0	2		K	S	0	2							
36	D	0	0	2	90,992*	K	T	0	1							
37	D	0	0	4		K	T	0	1							
38	D	0	0	5		K	T	0	1							
39	D	0	0	6		K	T	0	1							
40	D	0	0	7		K	T	0	1							
41	D	0	0	8		K	T	0	1							
42	D	0	0	9		K	T	0	1							
43	D	0	1	0		K	T	0	1							
44	D	0	1	1		K	T	0	1							
45	F	0	0	1		K	T	0	1							
46	F	0	0	2		K	T	0	1							
47	F	0	0	3		K	T	0	1							
48	F	0	0	4		K	T	0	1							
49	F	0	0	5		K	T	0	1							
50	W	T	0	1		K	T	0	1							
51	W	T	0	2		K	T	0	1							
52	D	0	0	2	1,085,878*	K	S	0	2	T	0	1				
53	D	0	0	4		K	S	0	2	T	0	1				
54	D	0	0	5		K	S	0	2	T	0	1				
55	D	0	0	6		K	S	0	2	T	0	1				
56	D	0	0	7		K	S	0	2	T	0	1				
57	D	0	0	8		K	S	0	2	T	0	1				
58	D	0	0	9		K	S	0	2	T	0	1				

* The quantity of waste represents past operations. There are no plans to use these vessels for mixed waste activities.

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

Continuation of Section XIV. Description of Dangerous Waste

Line Number	A. Dangerous Waste No. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Process									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
59	D	0	1	0		K	S	0	2	T	0	1				
60	D	0	1	1		K	S	0	2	T	0	1				
61	F	0	0	1		K	S	0	2	T	0	1				
62	F	0	0	2		K	S	0	2	T	0	1				
63	F	0	0	3		K	S	0	2	T	0	1				
64	F	0	0	4		K	S	0	2	T	0	1				
65	F	0	0	5		K	S	0	2	T	0	1				
66	W	T	0	1		K	S	0	2	T	0	1				
67	W	T	0	2		K	S	0	2	T	0	1				
68																
69																
70																
71																
72																
73																
74																
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81																
82																
83																
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86																
87																
88																
89																
90																
91																
92																

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) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature**	**Date Signed** 1/22/2021
Co-Operator* Name and Official Title (type or print) Scott Sax President and Project Manager Central Plateau Cleanup Company LLC	**Signature** SCOTT SAX (Affiliate) Digitally signed by SCOTT SAX (Affiliate) Date: 2021.01.19 16:54:25 -08'00'	**Date Signed**
Co-Operator – Address and Telephone Number* P.O. Box 1464 Richland, WA 99352 (509) 372-3845		
Facility-Property Owner Name and Official Title (type or print) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature**	**Date Signed** 1/22/2021

Comments

In Section IV, Facility Location is revised to update the facility location. In Section VI, Facility contact is revised to update the DOE-RL contact. In Section VII, Facility Operator Information is revised to update change in Co-Operator. In Section VIII, Facility Owner Information is revised to update facility owner name. In Section XVIII, "Certifications" is revised to update Operator Name, Co-Operator name, and Facility-Property Owner name. The Comments section is expanded onto page 9a of 16. The topographic map for the unit is updated to reflect the current mapping conventions. The changes in these sections and the topographic map will be effective January 25, 2021. No other changes have been made to the Part A form sections. The certification is limited to the changes effective January 25, 2021.

S02/T01 (cont)

ORGANIC MIXED WASTE STORAGE: The organic mixed waste storage tank system was used to store organic solvent used in recovery and purification of strontium and cesium. The system consists of vessels located in the 221-B Building and in 276-BA Facility. The organic mixed waste was transferred to an off-site TSD facility for disposal by incineration in late 1997. This system is inactive with no intention of resuming operation. The system is included to reflect past operations. (Refer to the B Plant Complex Vessel Table)

ISO WEST TANK CLOSURE: The 276-BA Facility was constructed with two identical storage tanks. Of these two tanks, the ISO West tank never managed organic mixed waste. In 1998, the ISO West tank was administratively closed (98-EAP-136, Letter, James E. Rasmussen, RL, to R. E. Skinnarland, Ecology, *Certified ISO West Interim Organic Storage Tank (ISO West Tank) Administrative Closure Technical Data Synopsis (TSD: TS-2-3)*, dated March 4, 1998; Letter, Shri Mohan, Ecology, to James Rasmussen, RL, RE: *Approval of the Procedural Closure of the B Plant International Standards Organization (ISO) West Tank Administrative Closure*, dated October 20, 1998). The ISO West tank has been removed from the B Plant Complex for use elsewhere on the Hanford site.

MISCELLANEOUS TANKS STORAGE SYSTEM: The miscellaneous tanks are located in the 221-B Building, the 221-BB Building, and the 221-BF Facility. The miscellaneous tanks in the B Plant Complex that managed mixed waste after the 1987 date of regulation for mixed waste in the state of Washington are identified on the B Plant Complex Vessel Table. This system is inactive with no intention of using these tanks for future waste management activities. This system is included to reflect past operations. (Refer to the B Plant Complex Vessel Table)

S01

CELL 4 CONTAINER STORAGE: The 221-B Building Cell 4 containerized waste storage unit is used for the storage of 208-liter (55-gallon) containers. Waste stored in Cell 4 containers consists of solid mixed waste with no free liquids. Waste stored in Cell 4 includes light bulbs with lead solder. There is no intent to receive additional waste in Cell 4. The maximum design capacity for container storage is 51,008 liters.

Comments

S06

CONTAINMENT BUILDING/STORAGE: The designation S06 (containment building/storage) has been used to indicate that the solid mixed waste stored in the 221-B Building (on the canyon deck and in various cells) is considered to be in a containment building subject to the requirements of 40 CFR 265, Subpart DD and WAC 173-303-400(3)(a). The solid mixed waste consists of radioactively contaminated failed canyon process equipment, jumpers and lead shielding materials. The failed canyon process equipment and jumpers (or isolated components thereof) contain lead used as weights, counterweights, or radioactive shielding. The lead shielding materials include lead blankets, lead sheets, lead bricks, and lead window glass. The solid mixed waste also could be contaminated with residues from the processing of tank waste. Future additions of waste to the containment building will be restricted to the types of waste described above. The maximum storage capacity is 35,170 cubic meters.

Comments

B PLANT COMPLEX VESSELS

Neutralized Current Acid Waste (NCAW) Treatment & Storage System		
Vessel ID	Location	Capacity (liters)
TK-6-2	221-B, Cell 6	19,684
TK-7-1	221-B, Cell 7	19,306
TK-7-2	221-B, Cell 7	18,927
TK-8-1	221-B, Cell 8	19,684
TK-8-2	221-B, Cell 8	19,684
TK-13-1	221-B, Cell 13	15,142
TK-14-2	221-B, Cell 14	14,763
TK-29-3	221-B, Cell 29	15,520
TK-39-2	221-B, Cell 39	6,814
TK-39-5	221-B, Cell 39	7,571
	Storage Capacity*	157,095

Organic Mixed Waste Storage System		
Vessel ID	Location	Capacity (liters)
TK-26-1	221-B, Cell 26	14,763
TK-27-2	221-B, Cell 27	7,571
TK-27-3	221-B, Cell 27	14,385
TK-27-4	221-B, Cell 27	1,060
TK-28-3	221-B, Cell 28	14,385
TK-28-4	221-B, Cell 28	1,060
TK-29-4	221-B, Cell 29	492
TK-30-3	221-B, Cell 30	15,520
ISO-EAST	276-BA	17,500
	Storage Capacity*	86,736

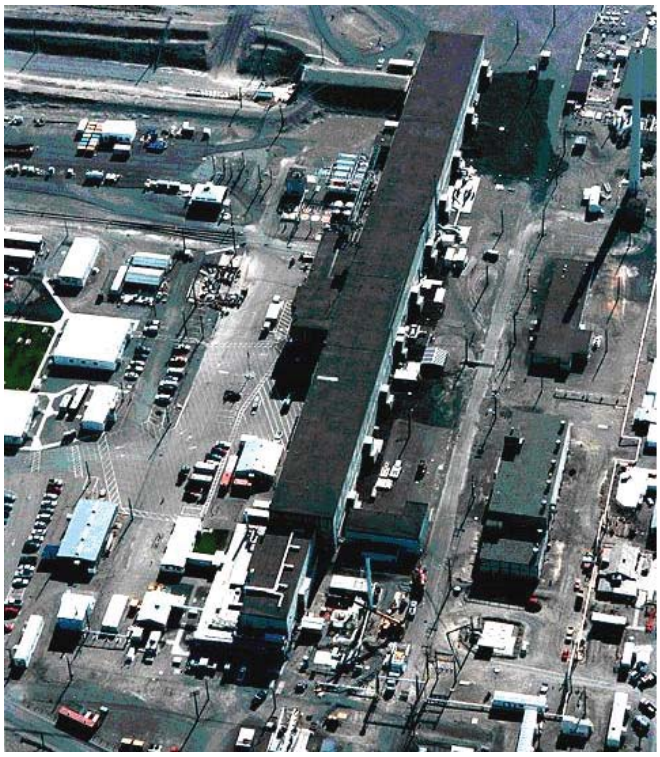
Low-Level Waste (LLW) Concentrator		
Vessel ID	Location	Capacity (liters)
E-23-3	221-B, Cell 23	11,356
E-23-3-1	221-B, Cell 23	0
E-23-3-2	221-B, Cell 23	0
D-23-2	221-B, Cell 23	0
E-23-4	221-B, Cell 23	0
TK-23-1	221-B, Cell 23	2,990
	Storage capacity*	14,346
	Treatment capacity	27,633 per day

Low-Level Waste (LLW) Treatment & Storage System		
TK-9-1	221-B, Cell 9	19,684
TK-9-2	221-B, Cell 9	19,684
TK-10-1	221-B, Cell 10	37,839
TK-24-1	221-B, Cell 24	52,616
TK-25-1	221-B, Cell 25	18,548
TK-25-2	221-B, Cell 25	18,548
TK-26-3	221-B, Cell 26	9,922
TK-39-1	221-B, Cell 39	13,120
	Storage Capacity*	189,961
	NCAW and LLW storage capacity*	347,056
	NCAW and LLW treatment capacity*	79,493 per day

Miscellaneous Storage Tank System		
Vessel ID	Location	Capacity (liters)
E-5-2	221-B, Cell 5	1,639
TK-17-1	221-B, Cell 17	18,700
TK-17-2	221-B, Cell 17	18,908
T-18-2	221-B, Cell 18	11,761
TK-18-3	221-B, Cell 18	2,794
E-20-2	221-B, Cell 20	1,552
TK-21-1	221-B, Cell 21	53,272
TK-22-1	221-B, Cell 22	1,775
T-28-1	221-B, Cell 28	2,642
TK-29-2	221-B, Cell 29	15,077
T-30-1	221-B, Cell 30	2,634
TK-32-1	221-B, Cell 32	15,024
TK-33-1	221-B, Cell 33	53,211
TK-34-2	221-B, Cell 34	15,520
TK-35-2	221-B, Cell 35	15,002
TK-36-1	221-B, Cell 36	15,547
TK-100	221-B, Canyon Deck	15,122
BCP	221-BB	2,271
BCS	221-BB	2,271
221-BF-A	221-BF	49,210
221-BF-B	221-BF	49,210
	Storage Capacity*	363,142

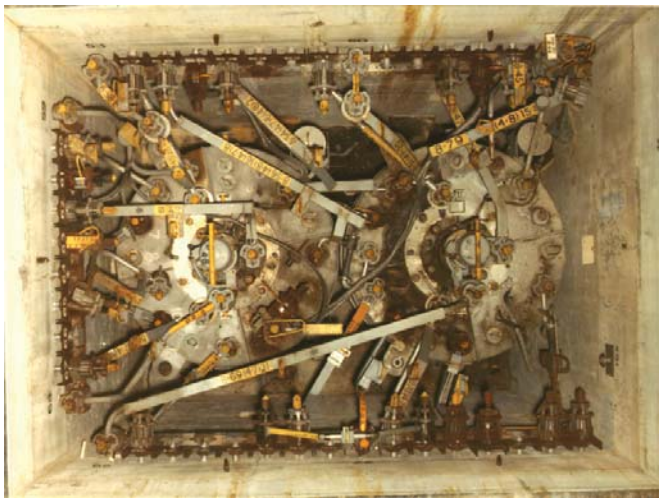
*Treatment and storage capacities are provided to reflect past operations. Current and/or future B Plant activities do not propose utilization of treatment or storage capacity beyond what has been agreed to for facility transition purposes under Section 8 of the Hanford Federal Facility Agreement and Consent Order.

B Plant Complex

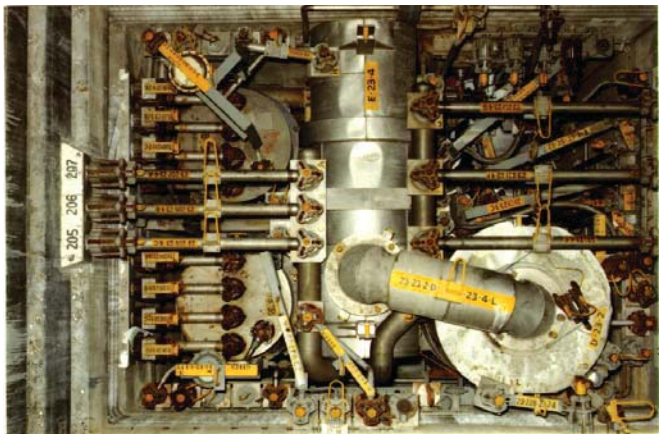


B Plant Complex
98070285-72CN
Photo Taken 1998

221-B Building Canyon
98040211-8CN
Photo Taken 1998



221-B Building, Cell 8 (typical canyon cell)
NCAW Storage & Treatment Tank
(TK-8-1 &TK-8-2)
83107243-11CN
Photo Taken 1983



221-B Building, Cell 23
Low-Level Waste Concentrator
(TK-23-1, E-23-3, E-23-3-1, E-23-3-2, E-23-4, &D-23-2)
83107243-40CN
Photo Taken 1983

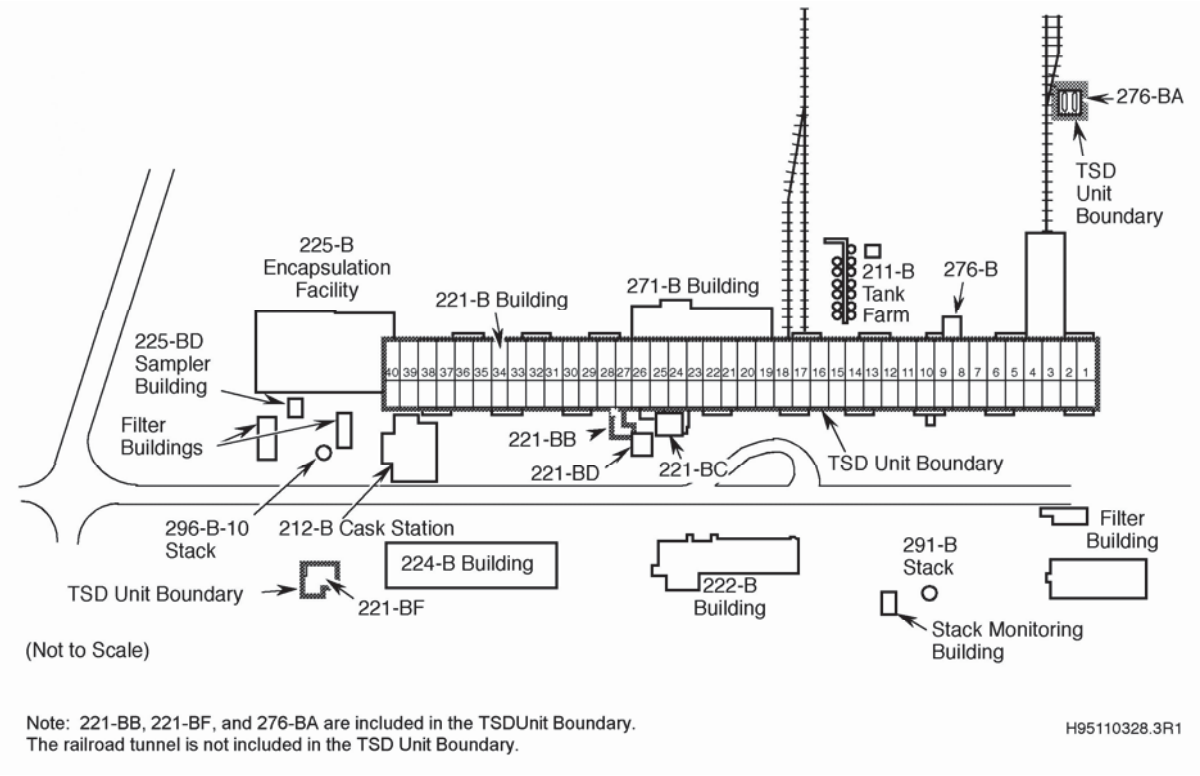
221-B Building, Cell 4, Container Storage
94040656-5CN Photo Taken 1994

221-BB Building, Miscellaneous Tank Storage System
98100330-8CN Photo Taken 1998

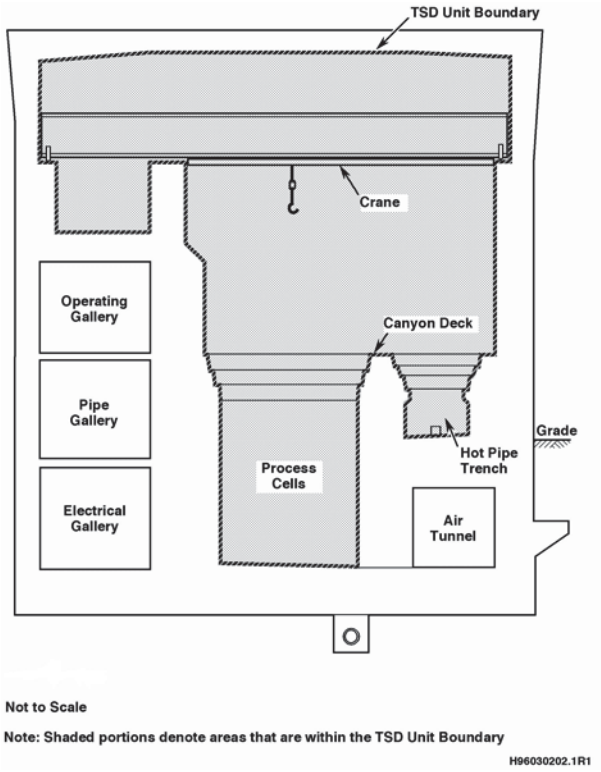
276-BA Facility, Organic Mixed Waste Storage System
External organic mixed waste storage tank (ISO East)
98110220-7CN Photo Taken 1998

221-BF Facility, Miscellaneous Tank Storage System
98110220-4CN Photo Taken 1998

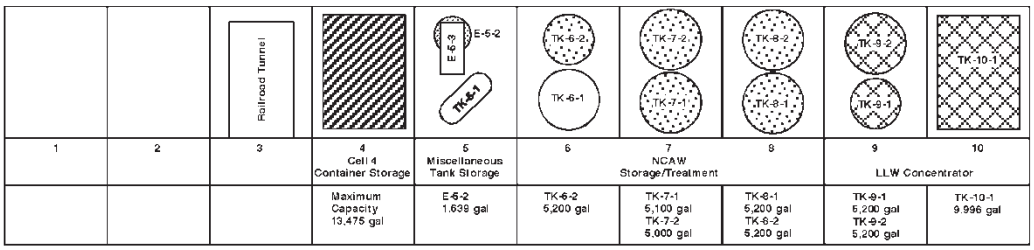
B Plant Complex

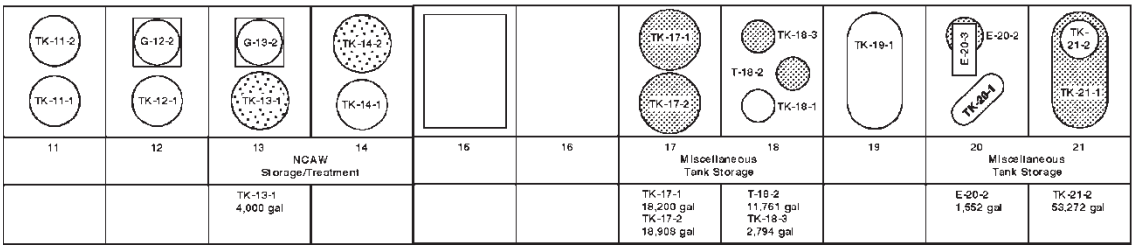


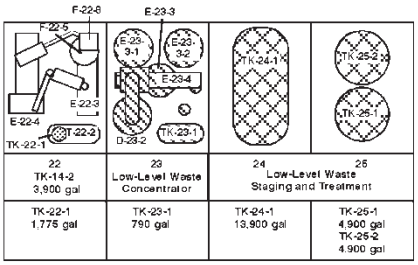
TSD Unit Boundary (Typical Cross-Section)

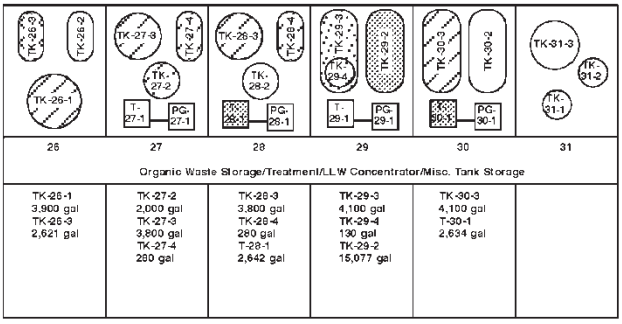


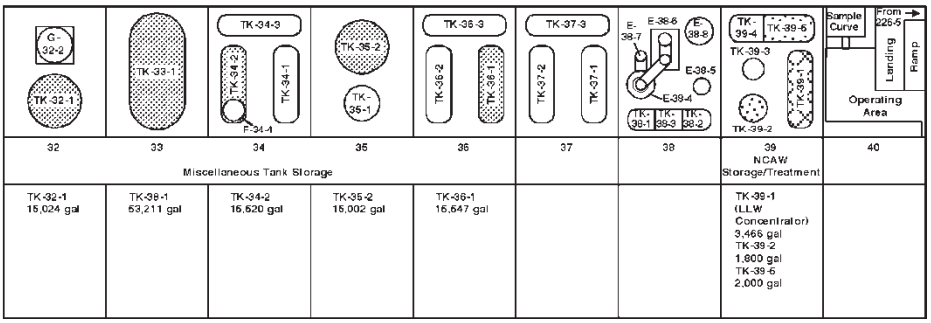
221-B Building Process Cells











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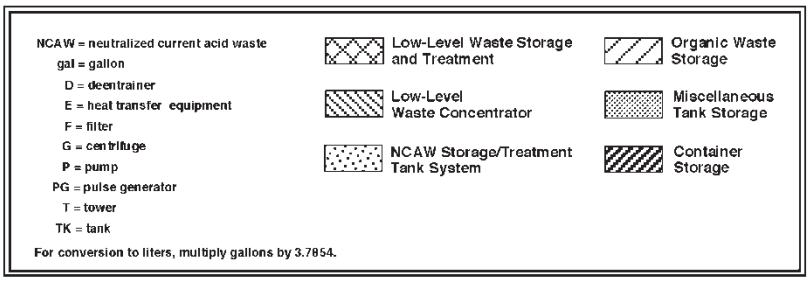
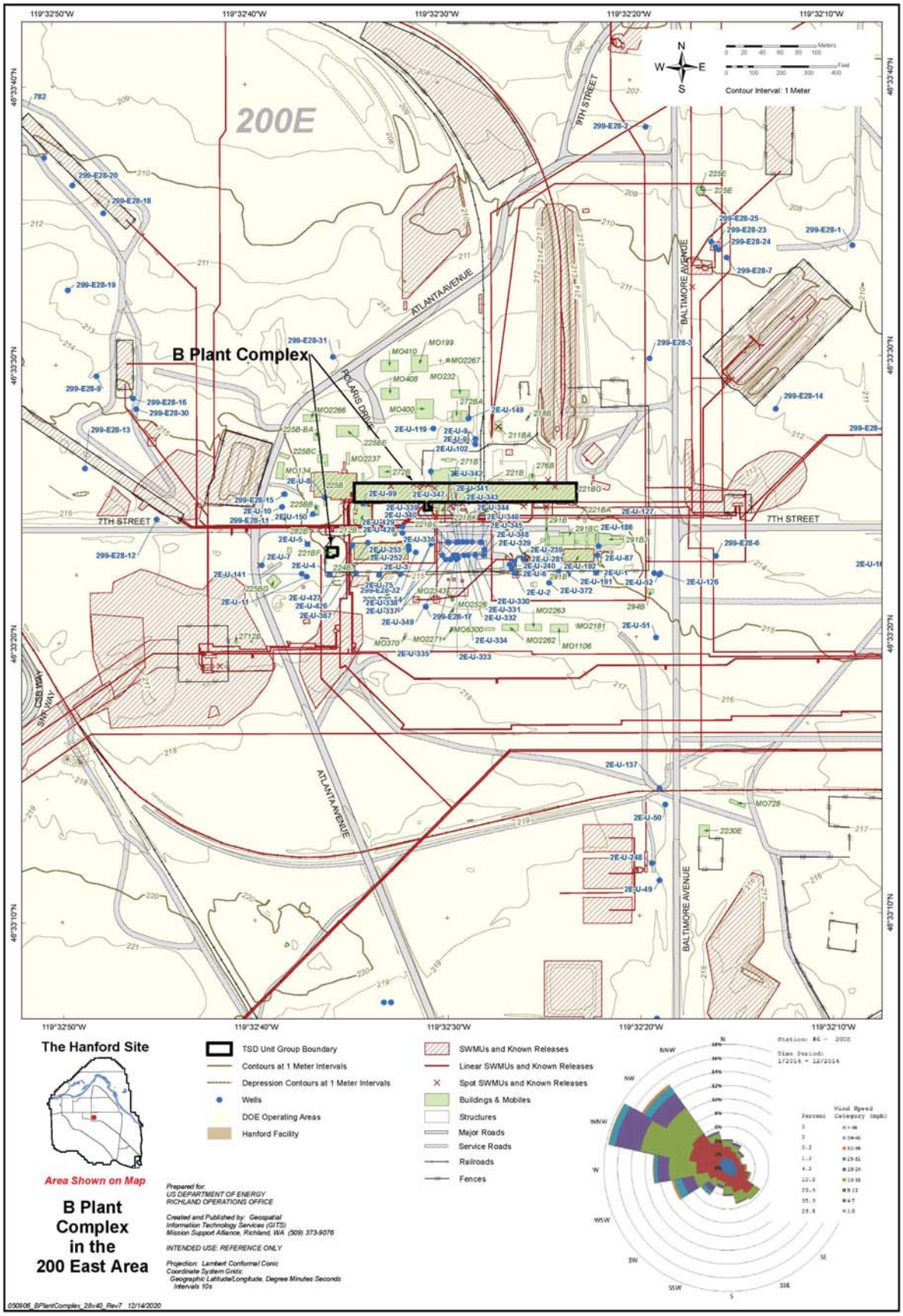


39402094.1R2


200E
B Plant Complex
ATLANTA AVENUE
POLARIS DRIVE
7TH STREET
BALTIMORE AVENUE
9TH STREET
SR-24 WAY
Contour Interval: 1 Meter
The Hanford Site
Area Shown on Map
B Plant Complex in the 200 East Area
TSD Unit Group Boundary
Contours at 1 Meter Intervals
Depression Contours at 1 Meter Intervals
Wells
DOE Operating Areas
Hanford Facility
SWMUs and Known Releases
Linear SWMUs and Known Releases
Spot SWMUs and Known Releases
Buildings & Mobiles
Structures
Major Roads
Service Roads
Railroads
Fences
Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
Created and Published by: Geospatial Information Technology Services (GITS)
Mission Support Alliance, Richland, WA (509) 373-9076
INTENDED USE: REFERENCE ONLY
Projection: Lambert Conformal Conic
Coordinate System Grids:
Geographic Latitude/Longitude, Degree Minutes Seconds Intervals 10s
050906_BPlantComplex_28x40_Rev7 12/14/2020

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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)

☐	**Request modification to a final status permit (commonly called a "Part B" permit)**
☒	**Request a change under interim status**
☐	**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).**
☐	**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

2440 Stevens Drive

City or Town	State	ZIP Code
Richland	WA	99354

County Code (if known)	County Name
0 0 5	Benton

B. Land Type	C. Geographic Location Latitude (degrees, mins, secs)	Longitude (degrees, mins, secs)	D. Facility Existence Date 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)**
Vance	Brian
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 Central Plateau Cleanup Company LLC Co-Operator for Central Waste	(509) 376-7395 (509) 372-3845*
Street or P.O. Box	
P.O. Box 550 P.O. Box 1464*	

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?	☒ Yes ☐ No Co-Operator* change
If yes, provide the scheduled date for the change:	Month: 01 Day: 25 Year: 2021
D. Is the name listed in VII.A. also the owner? If yes, skip to Section VIII.C.	☒ Yes ☐ No

VIII. Facility Owner Information	
A. Name	**Phone Number (area code and number)**
Brian T. Vance, 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?	☐ Yes ☒ No
If yes, provide the scheduled date for the change:	Month: Day: Year:

IX. NAICS Codes (5/6 digit codes)

A. First		B. Second	
562121	Waste Treatment & Disposal	924110	Administration of Air & Water Resource & Solid Waste Management Programs
C. Third		**D. Fourth**	
541715	Research & Development in the Physical, Engineering, & Life Sciences		

X. Other Environmental Permits (see instructions)

A. Permit Type	B. Permit Number	C. Description
E	AIR–06–1019	WAC 246-247, NOC Radioactive Air
E	DE-00NWP-02R1	WAC 173-400, General Regulations for Air Pollution Sources/WAC 173-460, Controls for New Sources of Toxic Air Pollutants

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

The Central Waste Complex (CWC) began waste management operations in August of 1988. The CWC, located in the 200 West Area provides storage for dangerous, and/or mixed waste generated on or off the Hanford Facility

T04 (Treatment – Other) Treatment can consist of, deactivation (neutralization, cementing, absorption), stabilization (cementing, absorption, and encapsulation), compaction, sorting, and repackaging of 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. 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	0	1	20,796,400	L	050		1							
	2	T	0	4	45,420	V	019		2							
	3								3							
	4								4							
	5								5							
	6								6							
	7								7							
	8								8							
	9								9							
1	0							1	0							
1	1							1	1							
1	2							1	2							
1	3							1	3							
1	4							1	4							
1	5							1	5							
1	6							1	6							
1	7							1	7							
1	8							1	8							
1	9							1	9							
2	0							2	0							
2	1							2	1							
2	2							2	2							
2	3							2	3							
2	4							2	4							
2	5							2	5							

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	20,000	K	S	0	1	T	0	4				Includes Debris
2	D	0	0	2	15,000	K	S	0	1	T	0	4				Includes Debris
3	D	0	0	3	500	K	S	0	1	T	0	4				Includes Debris
4	D	0	0	4	50	K	S	0	1	T	0	4				Includes Debris
5	D	0	0	5	400	K	S	0	1	T	0	4				Includes Debris
6	D	0	0	6	117	K	S	0	1	T	0	4				Includes Debris
7	D	0	0	7	400	K	S	0	1	T	0	4				Includes Debris
8	D	0	0	8	400	K	S	0	1	T	0	4				Includes Debris
9	D	0	0	9	800	K	S	0	1	T	0	4				Includes Debris
10	D	0	1	0	10	K	S	0	1	T	0	4				Includes Debris
11	D	0	1	1	20	K	S	0	1	T	0	4				Includes Debris
12	D	0	1	2	300	K	S	0	1	T	0	4				Includes Debris
13	D	0	1	3	300	K	S	0	1	T	0	4				Includes Debris
14	D	0	1	4	300	K	S	0	1	T	0	4				Includes Debris
15	D	0	1	5	300	K	S	0	1	T	0	4				Includes Debris
16	D	0	1	6	300	K	S	0	1	T	0	4				Includes Debris
17	D	0	1	7	300	K	S	0	1	T	0	4				Includes Debris
18	D	0	1	8	300	K	S	0	1	T	0	4				Includes Debris
19	D	0	1	9	300	K	S	0	1	T	0	4				Includes Debris
20	D	0	2	0	300	K	S	0	1	T	0	4				Includes Debris
21	D	0	2	1	300	K	S	0	1	T	0	4				Includes Debris
22	D	0	2	2	300	K	S	0	1	T	0	4				Includes Debris
23	D	0	2	3	300	K	S	0	1	T	0	4				Includes Debris
24	D	0	2	4	300	K	S	0	1	T	0	4				Includes Debris
25	D	0	2	5	300	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

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	300	K	S	0	1	T	0	4				Includes Debris
27	D	0	2	7	300	K	S	0	1	T	0	4				Includes Debris
28	D	0	2	8	300	K	S	0	1	T	0	4				Includes Debris
29	D	0	2	9	300	K	S	0	1	T	0	4				Includes Debris
30	D	0	3	0	300	K	S	0	1	T	0	4				Includes Debris
31	D	0	3	1	300	K	S	0	1	T	0	4				Includes Debris
32	D	0	3	2	300	K	S	0	1	T	0	4				Includes Debris
33	D	0	3	3	300	K	S	0	1	T	0	4				Includes Debris
34	D	0	3	4	300	K	S	0	1	T	0	4				Includes Debris
35	D	0	3	5	300	K	S	0	1	T	0	4				Includes Debris
36	D	0	3	6	300	K	S	0	1	T	0	4				Includes Debris
37	D	0	3	7	300	K	S	0	1	T	0	4				Includes Debris
38	D	0	3	8	300	K	S	0	1	T	0	4				Includes Debris
39	D	0	3	9	300	K	S	0	1	T	0	4				Includes Debris
40	D	0	4	0	300	K	S	0	1	T	0	4				Includes Debris
41	D	0	4	1	300	K	S	0	1	T	0	4				Includes Debris
42	D	0	4	2	300	K	S	0	1	T	0	4				Includes Debris
43	D	0	4	3	300	K	S	0	1	T	0	4				Includes Debris
44	W	S	C	2	15,000	K	S	0	1	T	0	4				Includes Debris
45	W	T	0	1	16,000	K	S	0	1	T	0	4				Includes Debris
46	W	T	0	2	22,000	K	S	0	1	T	0	4				Includes Debris
47	W	P	0	1	12,000	K	S	0	1	T	0	4				Includes Debris
48	W	P	0	2	3,000	K	S	0	1	T	0	4				Includes Debris
49	W	P	0	3	2,000	K	S	0	1	T	0	4				Includes Debris
50	W	P	C	B	5,000	K	S	0	1	T	0	4				Includes Debris
51	F	0	0	1	4,000	K	S	0	1	T	0	4				Includes Debris
52	F	0	0	2	4,500	K	S	0	1	T	0	4				Includes Debris
53	F	0	0	3	6,500	K	S	0	1	T	0	4				Includes Debris
54	F	0	0	4	570	K	S	0	1	T	0	4				Includes Debris
55	F	0	0	5	6,000	K	S	0	1	T	0	4				Includes Debris
56	F	0	0	6	6,000	K	S	0	1	T	0	4				Includes Debris
57	F	0	0	7	6,000	K	S	0	1	T	0	4				Includes Debris
58	F	0	0	8	6,000	K	S	0	1	T	0	4				Includes Debris
59	F	0	0	9	6,000	K	S	0	1	T	0	4				Includes Debris
60	F	0	1	0	6,000	K	S	0	1	T	0	4				Includes Debris
61	F	0	1	1	6,000	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

Continuation of Section XIV. Description of Dangerous Waste

62	F	0	1	2	6,000	K	S	0	1	T	0	4				Includes Debris
63	F	0	1	9	6,000	K	S	0	1	T	0	4				Includes Debris
64	F	0	2	0	300	K	S	0	1	T	0	4				Includes Debris
65	F	0	2	1	300	K	S	0	1	T	0	4				Includes Debris
66	F	0	2	2	300	K	S	0	1	T	0	4				Includes Debris
67	F	0	2	3	300	K	S	0	1	T	0	4				Includes Debris
68	F	0	2	6	300	K	S	0	1	T	0	4				Includes Debris
69	F	0	2	7	500	K	S	0	1	T	0	4				Includes Debris
70	F	0	2	8	300	K	S	0	1	T	0	4				Includes Debris
71	F	0	3	9	500	K	S	0	1	T	0	4				Includes Debris
72	P	0	0	7	500	K	S	0	1	T	0	4				Includes Debris
73	U	0	0	1	5,000	K	S	0	1	T	0	4				Includes Debris
74	U	0	0	2	5,000	K	S	0	1	T	0	4				Includes Debris
75	U	0	0	3	5,000	K	S	0	1	T	0	4				Includes Debris
76	U	0	0	4	5,000	K	S	0	1	T	0	4				Includes Debris
77	U	0	0	5	5,000	K	S	0	1	T	0	4				Includes Debris
78	U	0	0	6	5,000	K	S	0	1	T	0	4				Includes Debris
79	U	0	0	7	5,000	K	S	0	1	T	0	4				Includes Debris
80	U	0	0	8	5,000	K	S	0	1	T	0	4				Includes Debris
81	U	0	0	9	5,000	K	S	0	1	T	0	4				Includes Debris
82	U	0	1	0	5,000	K	S	0	1	T	0	4				Includes Debris
83	U	0	1	1	5,000	K	S	0	1	T	0	4				Includes Debris
84	U	0	1	2	5,000	K	S	0	1	T	0	4				Includes Debris
85	U	0	1	4	5,000	K	S	0	1	T	0	4				Includes Debris
86	U	0	1	5	5,000	K	S	0	1	T	0	4				Includes Debris
87	U	0	1	6	5,000	K	S	0	1	T	0	4				Includes Debris
88	U	0	1	7	5,000	K	S	0	1	T	0	4				Includes Debris
89	U	0	1	8	5,000	K	S	0	1	T	0	4				Includes Debris
90	U	0	1	9	5,000	K	S	0	1	T	0	4				Includes Debris
91	U	0	2	0	5,000	K	S	0	1	T	0	4				Includes Debris
92	U	0	2	1	5,000	K	S	0	1	T	0	4				Includes Debris
93	U	0	2	2	5,000	K	S	0	1	T	0	4				Includes Debris
94	U	0	2	3	5,000	K	S	0	1	T	0	4				Includes Debris
95	U	0	2	4	5,000	K	S	0	1	T	0	4				Includes Debris
96	U	0	2	5	5,000	K	S	0	1	T	0	4				Includes Debris
97	U	0	2	6	5,000	K	S	0	1	T	0	4				Includes Debris
98	U	0	2	7	5,000	K	S	0	1	T	0	4				Includes Debris
99	U	0	2	8	5,000	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

Continuation of Section XIV. Description of Dangerous Waste

100	U	0	2	9	5,000	K	S	0	1	T	0	4				Includes Debris
101	U	0	3	0	5,000	K	S	0	1	T	0	4				Includes Debris
102	U	0	3	1	5,000	K	S	0	1	T	0	4				Includes Debris
103	U	0	3	2	5,000	K	S	0	1	T	0	4				Includes Debris
104	U	0	3	3	5,000	K	S	0	1	T	0	4				Includes Debris
105	U	0	3	4	5,000	K	S	0	1	T	0	4				Includes Debris
106	U	0	3	5	5,000	K	S	0	1	T	0	4				Includes Debris
107	U	0	3	6	5,000	K	S	0	1	T	0	4				Includes Debris
108	U	0	3	7	5,000	K	S	0	1	T	0	4				Includes Debris
109	U	0	3	8	5,000	K	S	0	1	T	0	4				Includes Debris
110	U	0	3	9	5,000	K	S	0	1	T	0	4				Includes Debris
111	U	0	4	1	5,000	K	S	0	1	T	0	4				Includes Debris
112	U	0	4	2	5,000	K	S	0	1	T	0	4				Includes Debris
113	U	0	4	3	5,000	K	S	0	1	T	0	4				Includes Debris
114	U	0	4	4	5,000	K	S	0	1	T	0	4				Includes Debris
115	U	0	4	5	5,000	K	S	0	1	T	0	4				Includes Debris
116	U	0	4	6	5,000	K	S	0	1	T	0	4				Includes Debris
117	U	0	4	7	5,000	K	S	0	1	T	0	4				Includes Debris
118	U	0	4	8	5,000	K	S	0	1	T	0	4				Includes Debris
119	U	0	4	9	5,000	K	S	0	1	T	0	4				Includes Debris
120	U	0	5	0	5,000	K	S	0	1	T	0	4				Includes Debris
121	U	0	5	1	5,000	K	S	0	1	T	0	4				Includes Debris
122	U	0	5	2	5,000	K	S	0	1	T	0	4				Includes Debris
123	U	0	5	3	5,000	K	S	0	1	T	0	4				Includes Debris
124	U	0	5	5	5,000	K	S	0	1	T	0	4				Includes Debris
125	U	0	5	6	5,000	K	S	0	1	T	0	4				Includes Debris
126	U	0	5	7	5,000	K	S	0	1	T	0	4				Includes Debris
127	U	0	5	8	5,000	K	S	0	1	T	0	4				Includes Debris
128	U	0	5	9	5,000	K	S	0	1	T	0	4				Includes Debris
129	U	0	6	0	5,000	K	S	0	1	T	0	4				Includes Debris
130	U	0	6	1	5,000	K	S	0	1	T	0	4				Includes Debris
131	U	0	6	2	5,000	K	S	0	1	T	0	4				Includes Debris
132	U	0	6	3	5,000	K	S	0	1	T	0	4				Includes Debris
133	U	0	6	4	5,000	K	S	0	1	T	0	4				Includes Debris
134	U	0	6	6	5,000	K	S	0	1	T	0	4				Includes Debris
135	U	0	6	7	5,000	K	S	0	1	T	0	4				Includes Debris
136	U	0	6	8	5,000	K	S	0	1	T	0	4				Includes Debris
137	U	0	6	9	5,000	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

Continuation of Section XIV. Description of Dangerous Waste

138	U	0	7	0	5,000	K	S	0	1	T	0	4				Includes Debris
139	U	0	7	1	5,000	K	S	0	1	T	0	4				Includes Debris
140	U	0	7	2	5,000	K	S	0	1	T	0	4				Includes Debris
141	U	0	7	3	5,000	K	S	0	1	T	0	4				Includes Debris
142	U	0	7	4	5,000	K	S	0	1	T	0	4				Includes Debris
143	U	0	7	5	5,000	K	S	0	1	T	0	4				Includes Debris
144	U	0	7	6	5,000	K	S	0	1	T	0	4				Includes Debris
145	U	0	7	7	5,000	K	S	0	1	T	0	4				Includes Debris
146	U	0	7	8	5,000	K	S	0	1	T	0	4				Includes Debris
147	U	0	7	9	5,000	K	S	0	1	T	0	4				Includes Debris
148	U	0	8	0	5,000	K	S	0	1	T	0	4				Includes Debris
149	U	0	8	1	5,000	K	S	0	1	T	0	4				Includes Debris
150	U	0	8	2	5,000	K	S	0	1	T	0	4				Includes Debris
151	U	0	8	3	5,000	K	S	0	1	T	0	4				Includes Debris
152	U	0	8	4	5,000	K	S	0	1	T	0	4				Includes Debris
153	U	0	8	5	5,000	K	S	0	1	T	0	4				Includes Debris
154	U	0	8	6	5,000	K	S	0	1	T	0	4				Includes Debris
155	U	0	8	7	5,000	K	S	0	1	T	0	4				Includes Debris
156	U	0	8	8	5,000	K	S	0	1	T	0	4				Includes Debris
157	U	0	8	9	5,000	K	S	0	1	T	0	4				Includes Debris
158	U	0	9	0	5,000	K	S	0	1	T	0	4				Includes Debris
159	U	0	9	1	5,000	K	S	0	1	T	0	4				Includes Debris
160	U	0	9	2	5,000	K	S	0	1	T	0	4				Includes Debris
161	U	0	9	3	5,000	K	S	0	1	T	0	4				Includes Debris
162	U	0	9	4	5,000	K	S	0	1	T	0	4				Includes Debris
163	U	0	9	5	5,000	K	S	0	1	T	0	4				Includes Debris
164	U	0	9	6	5,000	K	S	0	1	T	0	4				Includes Debris
165	U	0	9	7	5,000	K	S	0	1	T	0	4				Includes Debris
166	U	0	9	8	5,000	K	S	0	1	T	0	4				Includes Debris
167	U	0	9	9	5,000	K	S	0	1	T	0	4				Includes Debris
168	U	1	0	1	5,000	K	S	0	1	T	0	4				Includes Debris
169	U	1	0	2	5,000	K	S	0	1	T	0	4				Includes Debris
170	U	1	0	3	5000	K	S	0	1	T	0	4				Includes Debris
171	U	1	0	5	5,000	K	S	0	1	T	0	4				Includes Debris
172	U	1	0	6	5,000	K	S	0	1	T	0	4				Includes Debris
173	U	1	0	7	5,000	K	S	0	1	T	0	4				Includes Debris
174	U	1	0	8	5,000	K	S	0	1	T	0	4				Includes Debris
175	U	1	0	9	5,000	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

Continuation of Section XIV. Description of Dangerous Waste

176	U	1	1	0	5,000	K	S	0	1	T	0	4				Includes Debris
177	U	1	1	1	5,000	K	S	0	1	T	0	4				Includes Debris
178	U	1	1	2	5,000	K	S	0	1	T	0	4				Includes Debris
179	U	1	1	3	5,000	K	S	0	1	T	0	4				Includes Debris
180	U	1	1	4	5,000	K	S	0	1	T	0	4				Includes Debris
181	U	1	1	5	5,000	K	S	0	1	T	0	4				Includes Debris
182	U	1	1	6	5,000	K	S	0	1	T	0	4				Includes Debris
183	U	1	1	7	5,000	K	S	0	1	T	0	4				Includes Debris
184	U	1	1	8	5,000	K	S	0	1	T	0	4				Includes Debris
185	U	1	1	9	5,000	K	S	0	1	T	0	4				Includes Debris
186	U	1	2	0	5,000	K	S	0	1	T	0	4				Includes Debris
187	U	1	2	1	5,000	K	S	0	1	T	0	4				Includes Debris
188	U	1	2	2	5,000	K	S	0	1	T	0	4				Includes Debris
189	U	1	2	3	5,000	K	S	0	1	T	0	4				Includes Debris
190	U	1	2	4	5,000	K	S	0	1	T	0	4				Includes Debris
191	U	1	2	5	5,000	K	S	0	1	T	0	4				Includes Debris
192	U	1	2	6	5,000	K	S	0	1	T	0	4				Includes Debris
193	U	1	2	7	5,000	K	S	0	1	T	0	4				Includes Debris
194	U	1	2	8	5,000	K	S	0	1	T	0	4				Includes Debris
195	U	1	2	9	5,000	K	S	0	1	T	0	4				Includes Debris
196	U	1	3	0	5,000	K	S	0	1	T	0	4				Includes Debris
197	U	1	3	1	5,000	K	S	0	1	T	0	4				Includes Debris
198	U	1	3	2	5,000	K	S	0	1	T	0	4				Includes Debris
199	U	1	3	3	5,000	K	S	0	1	T	0	4				Includes Debris
200	U	1	3	4	5,000	K	S	0	1	T	0	4				Includes Debris
201	U	1	3	5	5,000	K	S	0	1	T	0	4				Includes Debris
202	U	1	3	6	5,000	K	S	0	1	T	0	4				Includes Debris
203	U	1	3	7	5,000	K	S	0	1	T	0	4				Includes Debris
204	U	1	3	8	5,000	K	S	0	1	T	0	4				Includes Debris
205	U	1	4	0	5,000	K	S	0	1	T	0	4				Includes Debris
206	U	1	4	1	5,000	K	S	0	1	T	0	4				Includes Debris
207	U	1	4	2	5,000	K	S	0	1	T	0	4				Includes Debris
208	U	1	4	3	5,000	K	S	0	1	T	0	4				Includes Debris
209	U	1	4	4	5,000	K	S	0	1	T	0	4				Includes Debris
210	U	1	4	5	5,000	K	S	0	1	T	0	4				Includes Debris
211	U	1	4	6	5,000	K	S	0	1	T	0	4				Includes Debris
212	U	1	4	7	5,000	K	S	0	1	T	0	4				Includes Debris
213	U	1	4	8	5,000	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

Continuation of Section XIV. Description of Dangerous Waste

214	U	1	4	9	5,000	K	S	0	1	T	0	4				Includes Debris
215	U	1	5	0	5,000	K	S	0	1	T	0	4				Includes Debris
216	U	1	5	1	5,000	K	S	0	1	T	0	4				Includes Debris
217	U	1	5	2	5,000	K	S	0	1	T	0	4				Includes Debris
218	U	1	5	3	5,000	K	S	0	1	T	0	4				Includes Debris
219	U	1	5	4	5,000	K	S	0	1	T	0	4				Includes Debris
220	U	1	5	5	5,000	K	S	0	1	T	0	4				Includes Debris
221	U	1	5	6	5,000	K	S	0	1	T	0	4				Includes Debris
222	U	1	5	7	5,000	K	S	0	1	T	0	4				Includes Debris
223	U	1	5	8	5,000	K	S	0	1	T	0	4				Includes Debris
224	U	1	5	9	5,000	K	S	0	1	T	0	4				Includes Debris
225	U	1	6	0	5,000	K	S	0	1	T	0	4				Includes Debris
226	U	1	6	1	5,000	K	S	0	1	T	0	4				Includes Debris
227	U	1	6	2	5,000	K	S	0	1	T	0	4				Includes Debris
228	U	1	6	3	5,000	K	S	0	1	T	0	4				Includes Debris
229	U	1	6	4	5,000	K	S	0	1	T	0	4				Includes Debris
230	U	1	6	5	5,000	K	S	0	1	T	0	4				Includes Debris
231	U	1	6	6	5,000	K	S	0	1	T	0	4				Includes Debris
232	U	1	6	7	5,000	K	S	0	1	T	0	4				Includes Debris
233	U	1	6	8	5,000	K	S	0	1	T	0	4				Includes Debris
234	U	1	6	9	5,000	K	S	0	1	T	0	4				Includes Debris
235	U	1	7	0	5,000	K	S	0	1	T	0	4				Includes Debris
236	U	1	7	1	5,000	K	S	0	1	T	0	4				Includes Debris
237	U	1	7	2	5,000	K	S	0	1	T	0	4				Includes Debris
238	U	1	7	3	5,000	K	S	0	1	T	0	4				Includes Debris
239	U	1	7	4	5,000	K	S	0	1	T	0	4				Includes Debris
240	U	1	7	6	5,000	K	S	0	1	T	0	4				Includes Debris
241	U	1	7	7	5,000	K	S	0	1	T	0	4				Includes Debris
242	U	1	7	8	5,000	K	S	0	1	T	0	4				Includes Debris
243	U	1	7	9	5,000	K	S	0	1	T	0	4				Includes Debris
244	U	1	8	0	5,000	K	S	0	1	T	0	4				Includes Debris
245	U	1	8	1	5,000	K	S	0	1	T	0	4				Includes Debris
246	U	1	8	2	5,000	K	S	0	1	T	0	4				Includes Debris
247	U	1	8	3	5,000	K	S	0	1	T	0	4				Includes Debris
248	U	1	8	4	5,000	K	S	0	1	T	0	4				Includes Debris
249	U	1	8	5	5,000	K	S	0	1	T	0	4				Includes Debris
250	U	1	8	6	5,000	K	S	0	1	T	0	4				Includes Debris
251	U	1	8	7	5,000	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

Continuation of Section XIV. Description of Dangerous Waste

252	U	1	8	8	5,000	K	S	0	1	T	0	4				Includes Debris
253	U	1	8	9	5,000	K	S	0	1	T	0	4				Includes Debris
254	U	1	9	0	5,000	K	S	0	1	T	0	4				Includes Debris
255	U	1	9	1	5,000	K	S	0	1	T	0	4				Includes Debris
256	U	1	9	2	5,000	K	S	0	1	T	0	4				Includes Debris
257	U	1	9	3	5,000	K	S	0	1	T	0	4				Includes Debris
258	U	1	9	4	5,000	K	S	0	1	T	0	4				Includes Debris
259	U	1	9	6	5,000	K	S	0	1	T	0	4				Includes Debris
260	U	1	9	7	5,000	K	S	0	1	T	0	4				Includes Debris
261	U	2	0	0	5,000	K	S	0	1	T	0	4				Includes Debris
262	U	2	0	1	5,000	K	S	0	1	T	0	4				Includes Debris
263	U	2	0	2	5,000	K	S	0	1	T	0	4				Includes Debris
264	U	2	0	3	5,000	K	S	0	1	T	0	4				Includes Debris
265	U	2	0	4	5,000	K	S	0	1	T	0	4				Includes Debris
266	U	2	0	5	5,000	K	S	0	1	T	0	4				Includes Debris
267	U	2	0	6	5,000	K	S	0	1	T	0	4				Includes Debris
268	U	2	0	7	5,000	K	S	0	1	T	0	4				Includes Debris
269	U	2	0	8	5,000	K	S	0	1	T	0	4				Includes Debris
270	U	2	0	9	5,000	K	S	0	1	T	0	4				Includes Debris
271	U	2	1	0	5,000	K	S	0	1	T	0	4				Includes Debris
272	U	2	1	1	5,000	K	S	0	1	T	0	4				Includes Debris
273	U	2	1	3	5,000	K	S	0	1	T	0	4				Includes Debris
274	U	2	1	4	5,000	K	S	0	1	T	0	4				Includes Debris
275	U	2	1	5	5,000	K	S	0	1	T	0	4				Includes Debris
276	U	2	1	6	5,000	K	S	0	1	T	0	4				Includes Debris
277	U	2	1	7	5,000	K	S	0	1	T	0	4				Includes Debris
278	U	2	1	8	5,000	K	S	0	1	T	0	4				Includes Debris
279	U	2	1	9	5,000	K	S	0	1	T	0	4				Includes Debris
280	U	2	2	0	5,000	K	S	0	1	T	0	4				Includes Debris
281	U	2	2	1	5,000	K	S	0	1	T	0	4				Includes Debris
282	U	2	2	2	5,000	K	S	0	1	T	0	4				Includes Debris
283	U	2	2	3	5,000	K	S	0	1	T	0	4				Includes Debris
284	U	2	2	5	5,000	K	S	0	1	T	0	4				Includes Debris
285	U	2	2	6	5,000	K	S	0	1	T	0	4				Includes Debris
286	U	2	2	7	5,000	K	S	0	1	T	0	4				Includes Debris
287	U	2	2	8	5,000	K	S	0	1	T	0	4				Includes Debris
288	U	2	3	1	5,000	K	S	0	1	T	0	4				Includes Debris
289	U	2	3	2	5,000	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

Continuation of Section XIV. Description of Dangerous Waste

290	U	2	3	3	5,000	K	S	0	1	T	0	4				Includes Debris
291	U	2	3	4	5,000	K	S	0	1	T	0	4				Includes Debris
292	U	2	3	5	5,000	K	S	0	1	T	0	4				Includes Debris
293	U	2	3	6	5,000	K	S	0	1	T	0	4				Includes Debris
294	U	2	3	7	5,000	K	S	0	1	T	0	4				Includes Debris
295	U	2	3	8	5,000	K	S	0	1	T	0	4				Includes Debris
296	U	2	3	9	5,000	K	S	0	1	T	0	4				Includes Debris
297	U	2	4	0	5,000	K	S	0	1	T	0	4				Includes Debris
298	U	2	4	3	5,000	K	S	0	1	T	0	4				Includes Debris
299	U	2	4	4	5,000	K	S	0	1	T	0	4				Includes Debris
300	U	2	4	6	5,000	K	S	0	1	T	0	4				Includes Debris
301	U	2	4	7	5,000	K	S	0	1	T	0	4				Includes Debris
302	U	2	4	8	5,000	K	S	0	1	T	0	4				Includes Debris
303	U	2	4	9	5,000	K	S	0	1	T	0	4				Includes Debris
304	U	2	7	1	5,000	K	S	0	1	T	0	4				Includes Debris
305	U	2	7	8	5,000	K	S	0	1	T	0	4				Includes Debris
306	U	2	7	9	5,000	K	S	0	1	T	0	4				Includes Debris
307	U	2	8	0	5,000	K	S	0	1	T	0	4				Includes Debris
308	U	3	2	8	5,000	K	S	0	1	T	0	4				Includes Debris
309	U	3	5	3	5,000	K	S	0	1	T	0	4				Includes Debris
310	U	3	5	9	5,000	K	S	0	1	T	0	4				Includes Debris
311	U	3	6	4	5,000	K	S	0	1	T	0	4				Includes Debris
312	U	3	6	7	5,000	K	S	0	1	T	0	4				Includes Debris
313	U	3	7	2	5,000	K	S	0	1	T	0	4				Includes Debris
314	U	3	7	3	5,000	K	S	0	1	T	0	4				Includes Debris
315	U	3	8	7	5,000	K	S	0	1	T	0	4				Includes Debris
316	U	3	8	9	5,000	K	S	0	1	T	0	4				Includes Debris
317	U	3	9	4	5,000	K	S	0	1	T	0	4				Includes Debris
318	U	3	9	5	5,000	K	S	0	1	T	0	4				Includes Debris
319	U	4	0	1	5,000	K	S	0	1	T	0	4				Includes Debris
320	U	4	0	2	5,000	K	S	0	1	T	0	4				Includes Debris
321	U	4	0	3	5,000	K	S	0	1	T	0	4				Includes Debris
322	U	4	0	4	5,000	K	S	0	1	T	0	4				Includes Debris
323	U	4	0	7	5,000	K	S	0	1	T	0	4				Includes Debris
324	U	4	0	9	5,000	K	S	0	1	T	0	4				Includes Debris
325	U	4	1	0	5,000	K	S	0	1	T	0	4				Includes Debris
326	U	4	1	1	5,000	K	S	0	1	T	0	4				Includes Debris
327	P	0	0	1	5,000	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

Continuation of Section XIV. Description of Dangerous Waste

328	P	0	0	2	5,000	K	S	0	1	T	0	4				Includes Debris
329	P	0	0	3	5,000	K	S	0	1	T	0	4				Includes Debris
330	P	0	0	4	5,000	K	S	0	1	T	0	4				Includes Debris
331	P	0	0	5	5,000	K	S	0	1	T	0	4				Includes Debris
332	P	0	0	6	5,000	K	S	0	1	T	0	4				Includes Debris
333	P	0	0	8	5,000	K	S	0	1	T	0	4				Includes Debris
334	P	0	0	9	5,000	K	S	0	1	T	0	4				Includes Debris
335	P	0	1	0	5,000	K	S	0	1	T	0	4				Includes Debris
336	P	0	1	1	5,000	K	S	0	1	T	0	4				Includes Debris
337	P	0	1	2	5,000	K	S	0	1	T	0	4				Includes Debris
338	P	0	1	3	5,000	K	S	0	1	T	0	4				Includes Debris
339	P	0	1	4	5,000	K	S	0	1	T	0	4				Includes Debris
340	P	0	1	5	5,000	K	S	0	1	T	0	4				Includes Debris
341	P	0	1	6	5,000	K	S	0	1	T	0	4				Includes Debris
342	P	0	1	7	5,000	K	S	0	1	T	0	4				Includes Debris
343	P	0	1	8	5,000	K	S	0	1	T	0	4				Includes Debris
344	P	0	2	0	5,000	K	S	0	1	T	0	4				Includes Debris
345	P	0	2	1	5,000	K	S	0	1	T	0	4				Includes Debris
346	P	0	2	2	5,000	K	S	0	1	T	0	4				Includes Debris
347	P	0	2	3	5,000	K	S	0	1	T	0	4				Includes Debris
348	P	0	2	4	5,000	K	S	0	1	T	0	4				Includes Debris
349	P	0	2	6	5,000	K	S	0	1	T	0	4				Includes Debris
350	P	0	2	7	5,000	K	S	0	1	T	0	4				Includes Debris
351	P	0	2	8	5,000	K	S	0	1	T	0	4				Includes Debris
352	P	0	2	9	5,000	K	S	0	1	T	0	4				Includes Debris
353	P	0	3	0	5,000	K	S	0	1	T	0	4				Includes Debris
354	P	0	3	1	5,000	K	S	0	1	T	0	4				Includes Debris
355	P	0	3	3	5,000	K	S	0	1	T	0	4				Includes Debris
356	P	0	3	4	5,000	K	S	0	1	T	0	4				Includes Debris
357	P	0	3	6	5,000	K	S	0	1	T	0	4				Includes Debris
358	P	0	3	7	5,000	K	S	0	1	T	0	4				Includes Debris
359	P	0	3	8	5,000	K	S	0	1	T	0	4				Includes Debris
360	P	0	3	9	5,000	K	S	0	1	T	0	4				Includes Debris
361	P	0	4	0	5,000	K	S	0	1	T	0	4				Includes Debris
362	P	0	4	1	5,000	K	S	0	1	T	0	4				Includes Debris
363	P	0	4	2	5,000	K	S	0	1	T	0	4				Includes Debris
364	P	0	4	3	5,000	K	S	0	1	T	0	4				Includes Debris
365	P	0	4	4	5,000	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

Continuation of Section XIV. Description of Dangerous Waste

366	P	0	4	5	5,000	K	S	0	1	T	0	4				Includes Debris
367	P	0	4	6	5,000	K	S	0	1	T	0	4				Includes Debris
368	P	0	4	7	5,000	K	S	0	1	T	0	4				Includes Debris
369	P	0	4	8	5,000	K	S	0	1	T	0	4				Includes Debris
370	P	0	4	9	5,000	K	S	0	1	T	0	4				Includes Debris
371	P	0	5	0	5,000	K	S	0	1	T	0	4				Includes Debris
372	P	0	5	1	5,000	K	S	0	1	T	0	4				Includes Debris
373	P	0	5	4	5,000	K	S	0	1	T	0	4				Includes Debris
374	P	0	5	6	5,000	K	S	0	1	T	0	4				Includes Debris
375	P	0	5	7	5,000	K	S	0	1	T	0	4				Includes Debris
376	P	0	5	8	5,000	K	S	0	1	T	0	4				Includes Debris
377	P	0	5	9	5,000	K	S	0	1	T	0	4				Includes Debris
378	P	0	6	0	5,000	K	S	0	1	T	0	4				Includes Debris
379	P	0	6	2	5,000	K	S	0	1	T	0	4				Includes Debris
380	P	0	6	3	5,000	K	S	0	1	T	0	4				Includes Debris
381	P	0	6	4	5,000	K	S	0	1	T	0	4				Includes Debris
382	P	0	6	5	5,000	K	S	0	1	T	0	4				Includes Debris
383	P	0	6	6	5,000	K	S	0	1	T	0	4				Includes Debris
384	P	0	6	7	5,000	K	S	0	1	T	0	4				Includes Debris
385	P	0	6	8	5,000	K	S	0	1	T	0	4				Includes Debris
386	P	0	6	9	5,000	K	S	0	1	T	0	4				Includes Debris
387	P	0	7	0	5,000	K	S	0	1	T	0	4				Includes Debris
388	P	0	7	1	5,000	K	S	0	1	T	0	4				Includes Debris
389	P	0	7	2	5,000	K	S	0	1	T	0	4				Includes Debris
390	P	0	7	3	5,000	K	S	0	1	T	0	4				Includes Debris
391	P	0	7	4	5,000	K	S	0	1	T	0	4				Includes Debris
392	P	0	7	5	5,000	K	S	0	1	T	0	4				Includes Debris
393	P	0	7	6	5,000	K	S	0	1	T	0	4				Includes Debris
394	P	0	7	7	5,000	K	S	0	1	T	0	4				Includes Debris
395	P	0	7	8	5,000	K	S	0	1	T	0	4				Includes Debris
396	P	0	8	1	5,000	K	S	0	1	T	0	4				Includes Debris
397	P	0	8	2	5,000	K	S	0	1	T	0	4				Includes Debris
398	P	0	8	4	5,000	K	S	0	1	T	0	4				Includes Debris
399	P	0	8	5	5,000	K	S	0	1	T	0	4				Includes Debris
400	P	0	8	7	5,000	K	S	0	1	T	0	4				Includes Debris
401	P	0	8	8	5,000	K	S	0	1	T	0	4				Includes Debris
402	P	0	8	9	5,000	K	S	0	1	T	0	4				Includes Debris
403	P	0	9	2	5,000	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

Continuation of Section XIV. Description of Dangerous Waste

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

Continuation of Section XIV. Description of Dangerous Waste

442	P	1	9	7	5,000	K	S	0	1	T	0	4				Includes Debris
443	P	1	9	8	5,000	K	S	0	1	T	0	4				Includes Debris
444	P	1	9	9	5,000	K	S	0	1	T	0	4				Includes Debris
445	P	2	0	1	5,000	K	S	0	1	T	0	4				Includes Debris
446	P	2	0	2	5,000	K	S	0	1	T	0	4				Includes Debris
447	P	2	0	3	5,000	K	S	0	1	T	0	4				Includes Debris
448	P	2	0	4	5,000	K	S	0	1	T	0	4				Includes Debris
449	P	2	0	5	5,000	K	S	0	1	T	0	4				Includes Debris
450	P	2	0	5	5,000	K	S	0	1	T	0	4				
451																
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XV. Map

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

Topographic map is located in the Ecology Library

XVI. Facility Drawing

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

XVII. Photographs

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

XVIII. Certifications

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

Operator Name and Official Title (type or print) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature**	**Date Signed** 1/22/2021
Co-Operator* Name and Official Title (type or print) Scott Sax, President and Project Manager Central Plateau Cleanup Company LLC	**Signature** SCOTT SAX (Affiliate) Digitally signed by SCOTT SAX (Affiliate) Date: 2021.01.20 04:55:06 -08'00'	**Date Signed**
Co-Operator – Address and Telephone Number* P.O. Box 1464 Richland, WA 99352 (509) 372-3845		
Facility-Property Owner Name and Official Title (type or print) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature**	**Date Signed** 1/22/2021

Comments
In Section IV, Facility Location is revised to update the facility location. In Section VI, Facility contact is revised to update the DOE-RL contact. In Section VII, Facility Operator Information is revised to update change in Co-Operator. In Section VIII, Facility Owner Information is revised to update facility owner name. In Section XVIII, "Certifications" is revised to update Operator Name, Co-Operator name, and Facility-Property Owner name. The topographic map for the unit is updated to reflect the current mapping conventions. The changes in these sections and the topographic map will be effective January 25, 2021. No other changes have been made to the Part A form sections. The certification is limited to the changes effective January 25, 2021.

Central Waste Complex

Typical Large
Flammable and Alkali Metal Waste Storage Modules
93040010-9CN Photo Taken 1993

Typical Small
Flammable and Alkali Metal Waste Storage Modules
93040010-11CN Photo Taken 1993

Typical Waste Storage Building (2401-W)
90061110-44CN Photo Taken 1990

Typical Waste Storage Building
(2402-W, 2402-WB through 2402-WL)
90061110-26CN Photo Taken 1990

Typical Interior
90061110-10CN Photo Taken 1990

Central Waste Complex

Typical Waste Storage Building
(2403-WA, WB, AND WC)
93040010-22CN Photo Taken 199

Typical Interior
93040010-25CN Photo Taken 1993

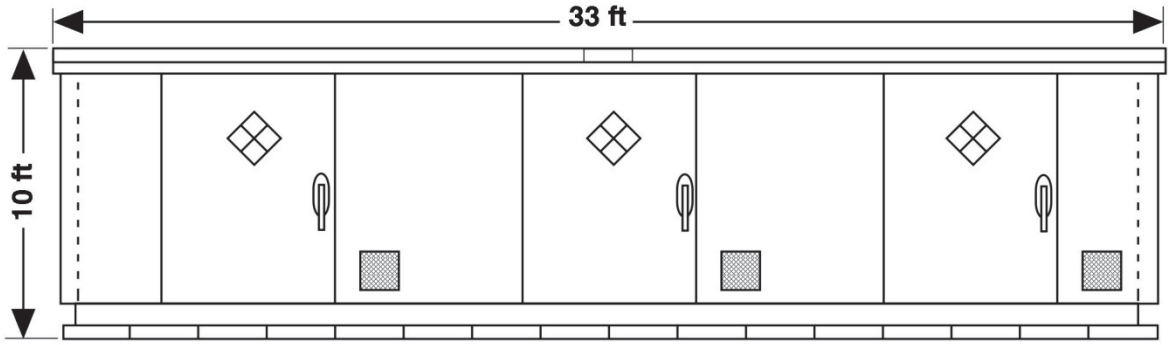
Waste Storage Building (2403-WD)
93040010-13CN Photo Taken 1993

Interior 93040010-16CN
Photo Taken 1993

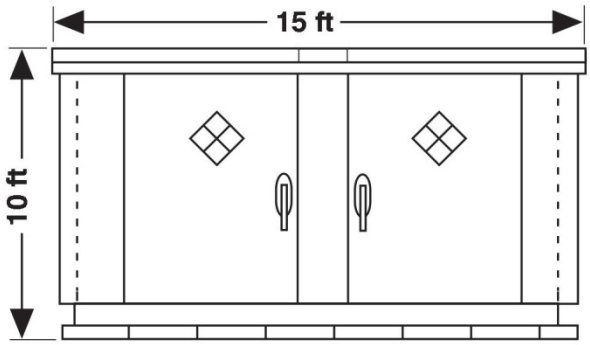
Waste Storage Buiding 2404-WA
96080579-29CN Photo Taken 1996

Interior 96080579-32CN
Photo Taken 1996

Typical Large Waste Storage Module
Front View



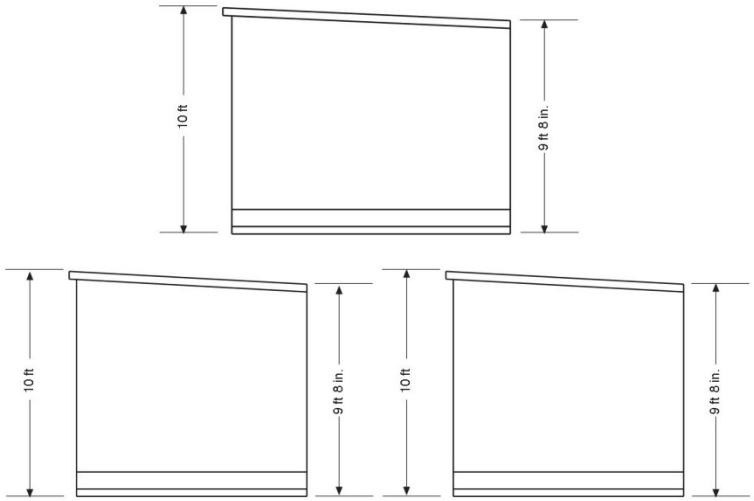
Typical Small Waste Storage Module
Front View



Note: To convert feet to meters, multiply by 0.3048.

H98040178.7

Flammable and Alkali Metal Waste Storage Module
Side View

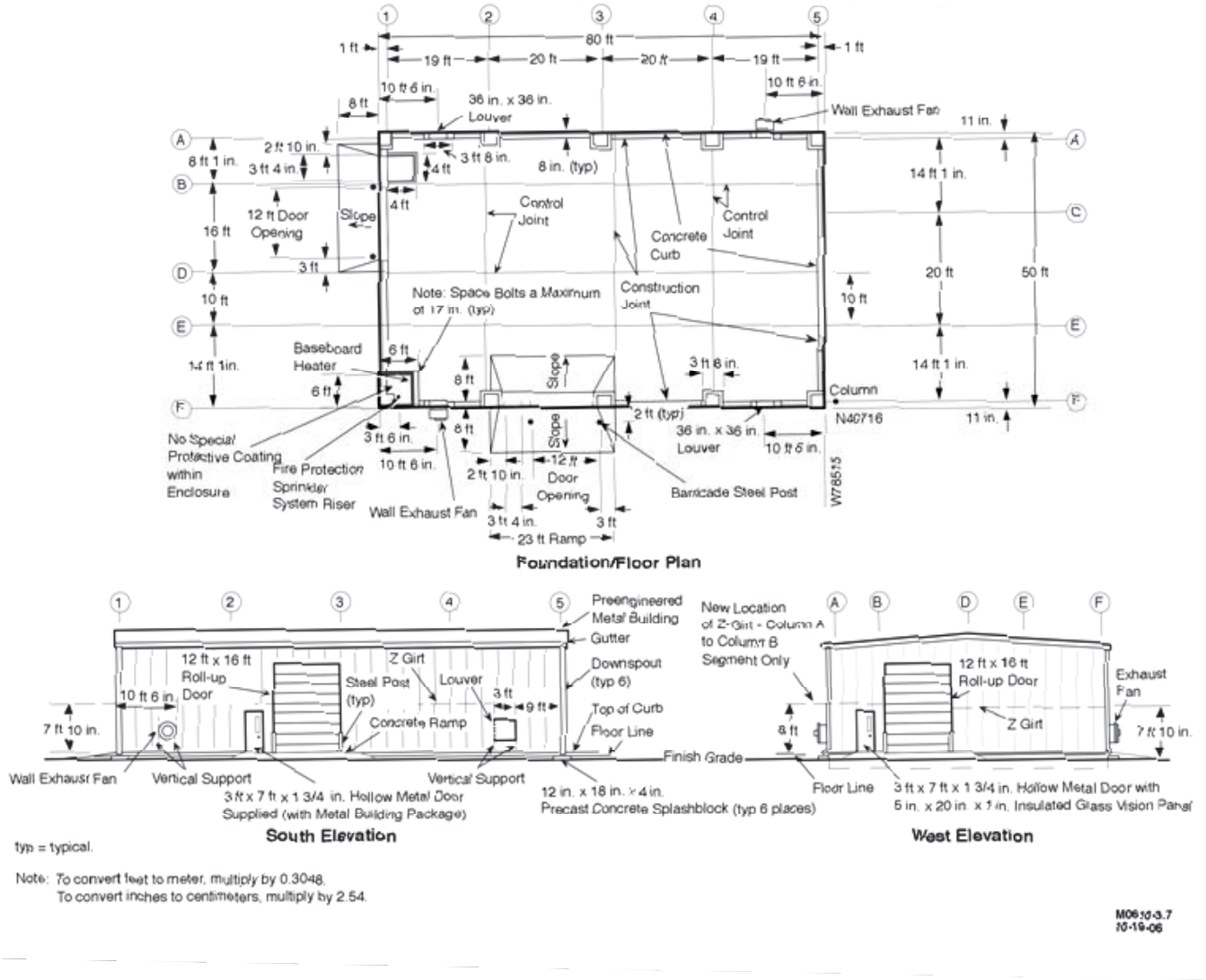


H98010038.1R1

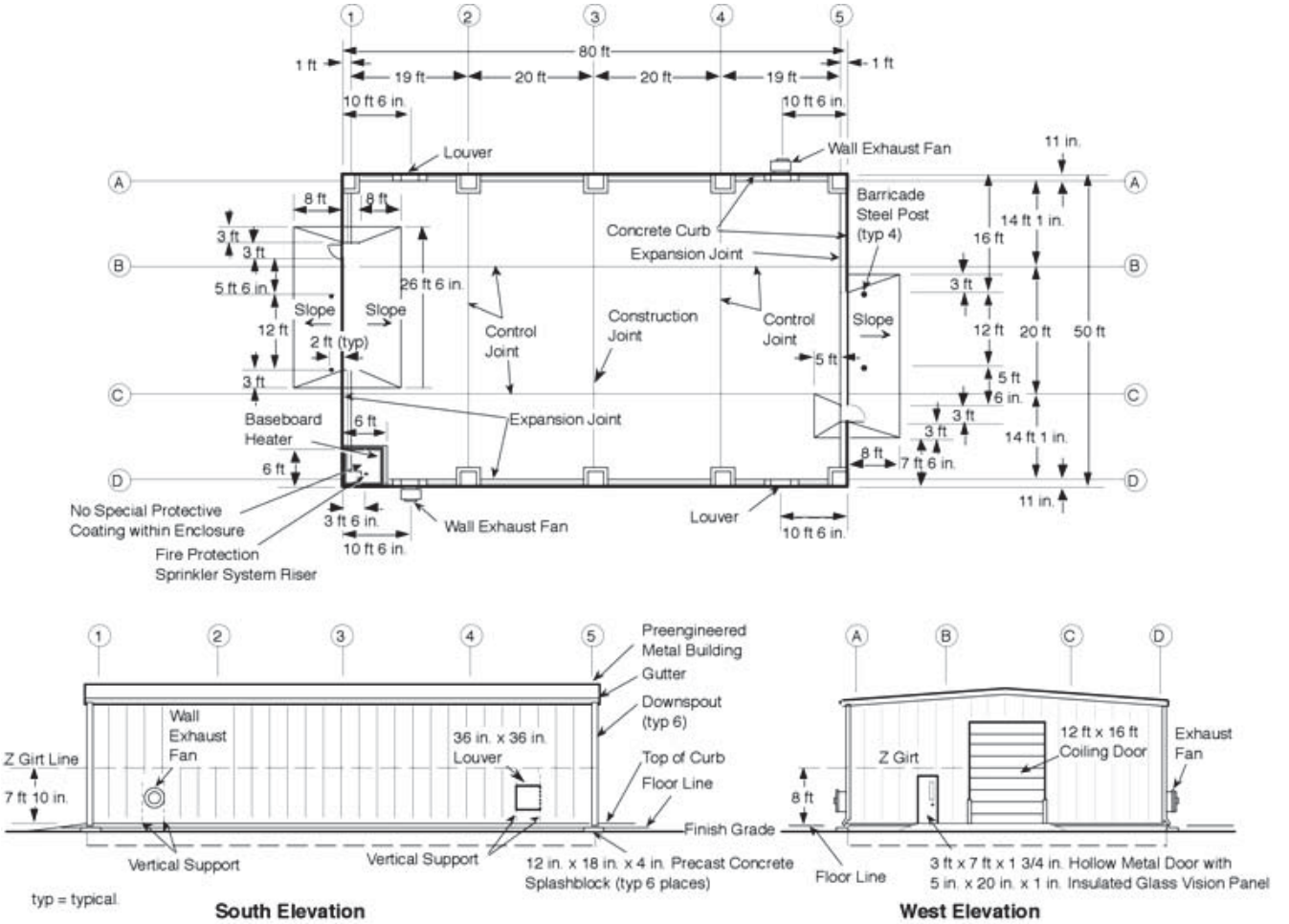
Note: To convert feet to meters, multiply by 0.3048.
To convert inches to centimeters, multiply by 2.54.
To convert to pounds to kilograms, multiply by 0.453.
Lights, electrical panels, and fire suppression systems have been deactivated in selected modules.

M0610-3.2
10-16-06

Waste Storage Building 2401-W



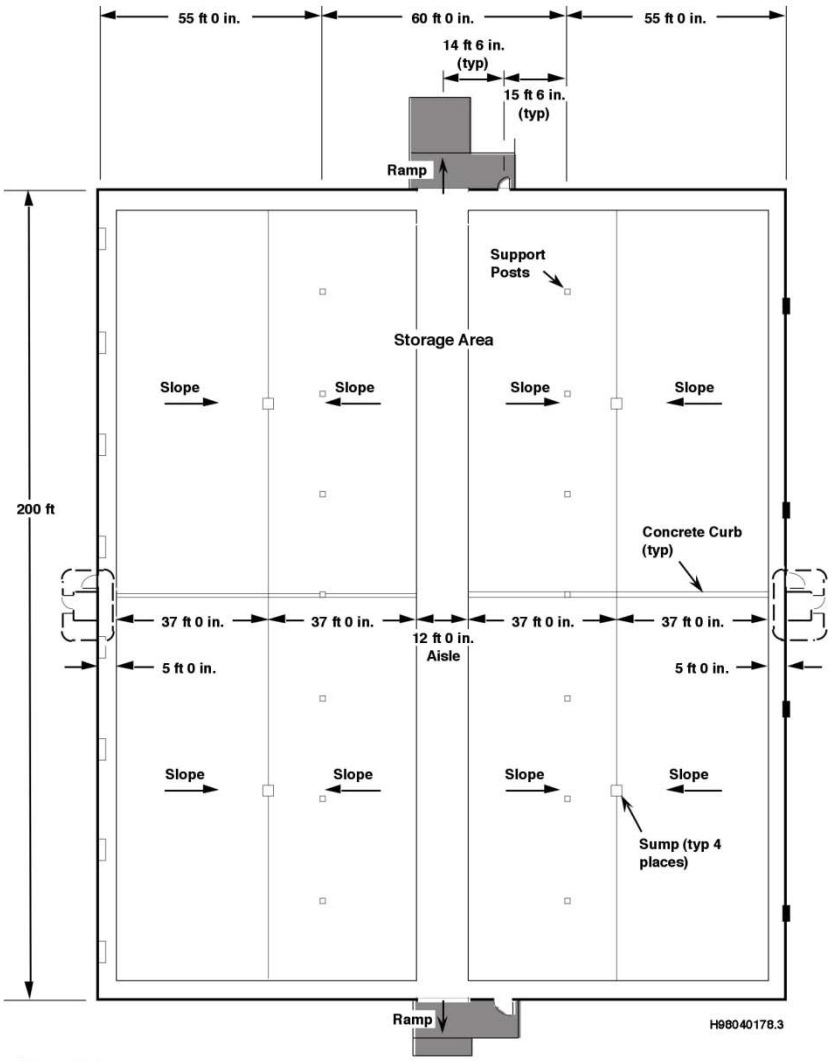
Waste Storage Buidings 2402-W and 2402-WB through 2402-WL)



Note: To convert feet to meters, multiply by 0.3048.
To convert inches to centimeters, multiply by 2.54.

M0610-3.6
10-19-06

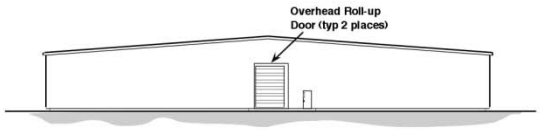
Waste Storage Buildings (2403-WA through 2403-WC)



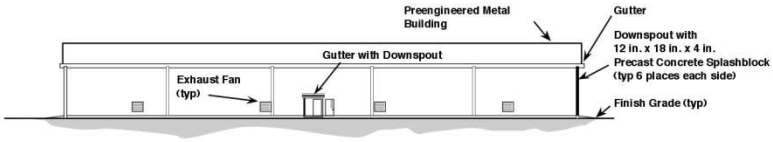
typ = typical.

Note: To convert feet to meters, multiply by 0.3048.
To convert inches to centimeters, multiply by 2.54.

Section



East Elevation (West Elevation Similar)



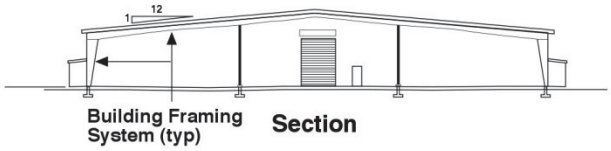
typ = typical.
Not to scale.

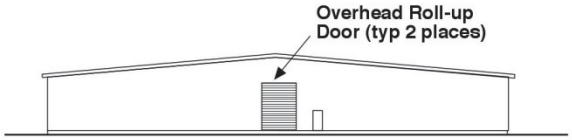
North Elevation (South Elevation Similar)

H98040178.4R2

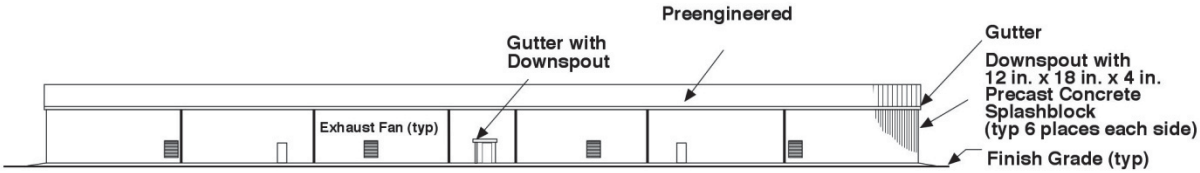
M0610-3.3
10-18-06

Waste Storage Building 2403-WD





North Elevation

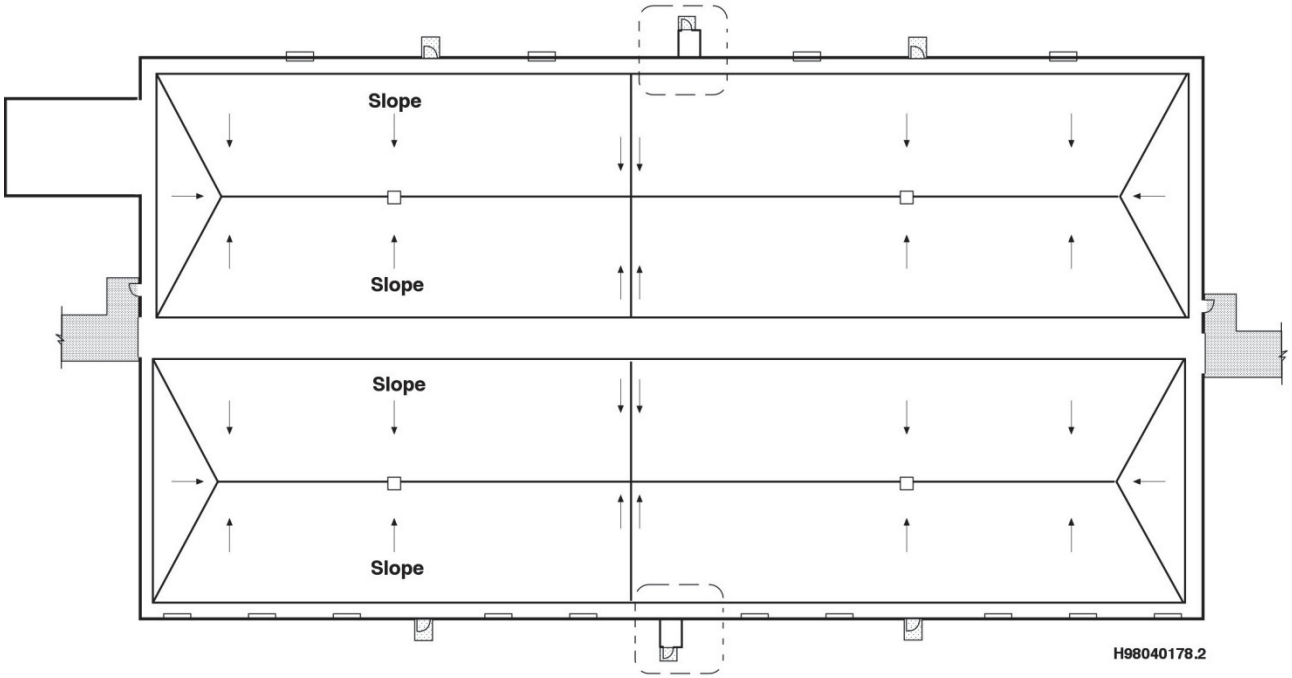


West Elevation

Metric Conversion: 2.54 centimeters per inch
0.305 meter per foot

typ = typical.

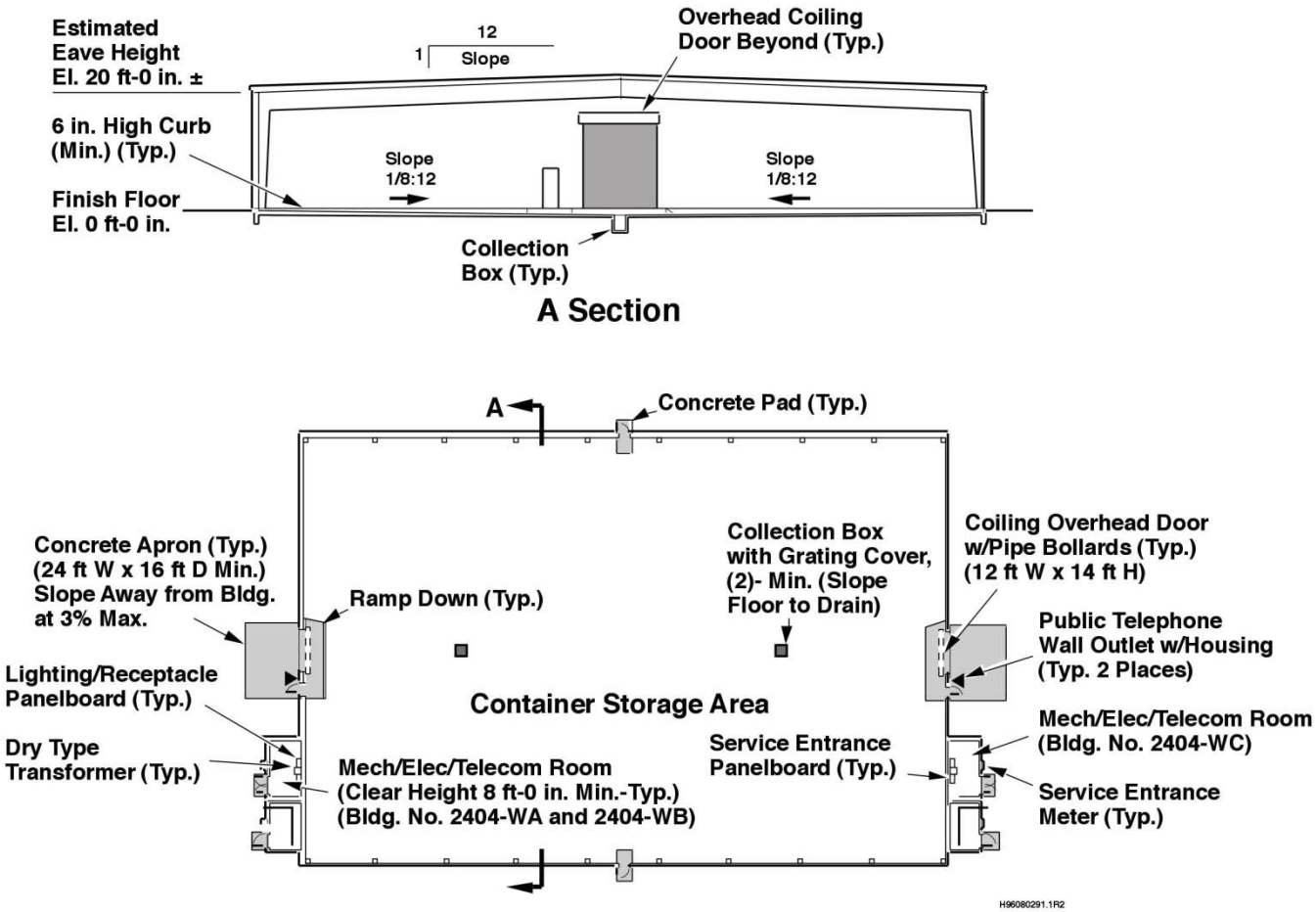
39304068.11R2



Not to scale.

M0610-3.1
10-16-06

Waste Storage Buiding 2404-WA



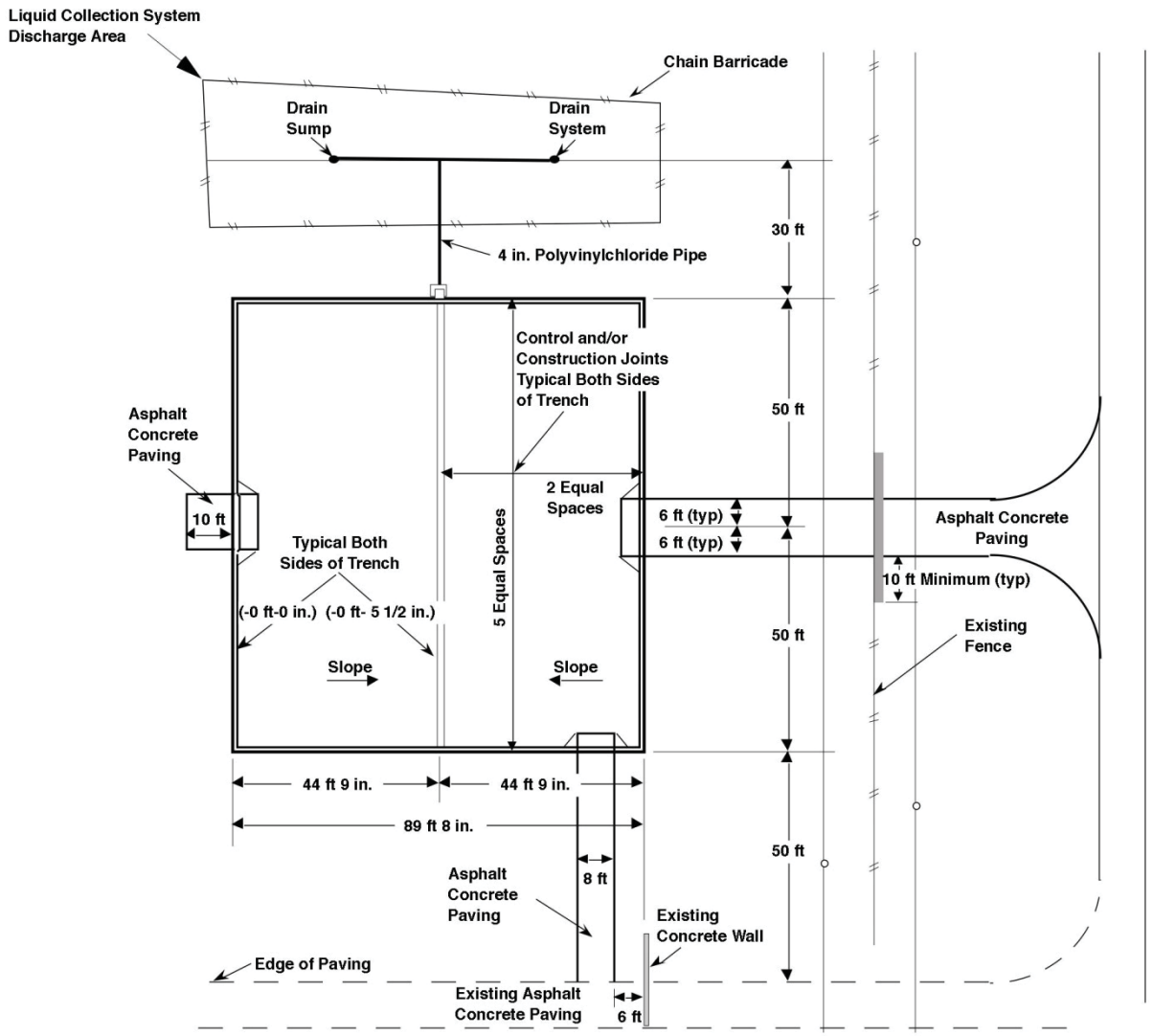
Min = minimum.

Not to scale.

Note: To convert feet to meters, multiply by 0.3048.
To convert inches to centimeters, mulitply by 2.54.

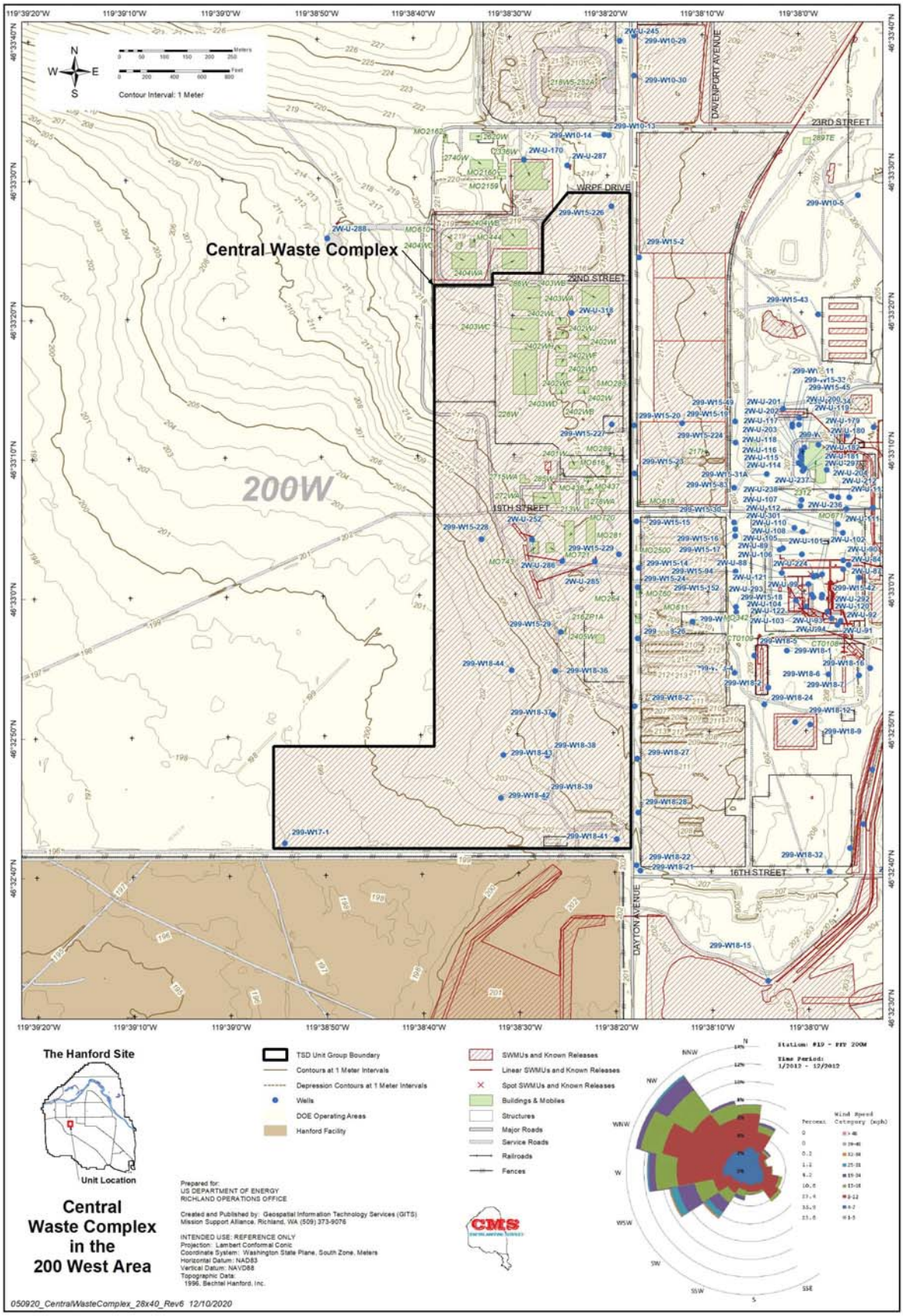
M0610-3.5
10-18-06

Waste Storage Pad



typ = typical.

M0610-3.4
10-18-06


Central Waste Complex
200W
23RD STREET
22ND STREET
19TH STREET
16TH STREET
WRPF DRIVE
DAVENPORT AVENUE
DAYTON AVENUE
Contour Interval: 1 Meter
The Hanford Site
Unit Location
Central Waste Complex in the 200 West Area
TSD Unit Group Boundary
Contours at 1 Meter Intervals
Depression Contours at 1 Meter Intervals
Wells
DOE Operating Areas
Hanford Facility
SWMUs and Known Releases
Linear SWMUs and Known Releases
Spot SWMUs and Known Releases
Buildings & Mobiles
Structures
Major Roads
Service Roads
Railroads
Fences
Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
Created and Published by: Geospatial Information Technology Services (GITS)
Mission Support Alliance, Richland, WA (509) 373-9076
INTENDED USE: REFERENCE ONLY
Projection: Lambert Conformal Conic
Coordinate System: Washington State Plane, South Zone, Meters
Horizontal Datum: NAD83
Vertical Datum: NAVD88
Topographic Data:
1996, Bechtel Hanford, Inc.
CMS
Station: #19 - PFP 200W
Time Period:
1/2012 - 12/2012
Percent
Wind Speed Category (mph)
050920_CentralWasteComplex_28x40_Rev6 12/10/2020

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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)

☐	**Request modification to a final status permit (commonly called a "Part B" permit)**
☒	**Request a change under interim status**
☐	**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).**
☐	**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

2440 Stevens Drive

City or Town	State	ZIP Code
Richland	WA	99354

County Code (if known)	County Name
0 0 5	Benton

B. Land Type	C. Geographic Location Latitude (degrees, mins, secs)	Longitude (degrees, mins, secs)	D. Facility Existence Date 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)**	
Vance	Brian	
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 Central Plateau Cleanup Company LLC Co-Operator for Hexone Storage & Treatment Facility*	(509) 376-7395 (509) 372-3845*
Street or P.O. Box	
P.O. Box 550 P.O. Box 1464*	

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?	☒ **Yes** ☐ **No** Co-Operator* change	
If yes, provide the scheduled date for the change:	**Month** 0 1	**Day** 2 5	**Year** 2 0 2 1
D. Is the name listed in VII.A. also the owner? If yes, skip to Section VIII.C.	☒ **Yes** ☐ **No**	

VIII. Facility Owner Information	
A. Name	**Phone Number (area code and number)**
Brian T. Vance, 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?	☐ **Yes** ☒ **No**
If yes, provide the scheduled date for the change:	**Month** / **Day** / **Year**

IX. NAICS Codes (5/6 digit codes)

A. First							B. Second						
5	6	2	2	1		Waste Treatment & Disposal	9	2	4	1	1	0	Administration of Air & Water Resource & Solid Waste Management Programs
C. Third							**D. Fourth**						
5	4	1	7	1		Research & Development in the Physical, Engineering, & Life Sciences							

X. Other Environmental Permits (see instructions)

A. Permit Type	B. Permit Number	C. Description

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

The Hexone Storage and Treatment Facility is located in the southeast corner of the 200 West Area of the Hanford Facility. The Hexone Storage and Treatment Facility consisted of two 24,000 gallon (91,000 liter) below grade carbon steel tanks [276-S-141 (S-141) and 276-S-142 (S-142)], a distillation system, and railroad tank cars. The Hexone Storage and Treatment Facility received liquid mixed waste from the Reduction/Oxidation (REDOX) Plant and possibly the Hot Semiworks Plant. The Hexone Storage and Treatment Facility was used from 1951 through 1967 to store reagent-grade methyl isobutyl ketone (hexone) for makeup as a solvent for the REDOX Plant. After 1967, the Hexone Storage and Treatment Facility contained distilled hexone, part or all of which had been used in the REDOX Plant. The-S-142 tank also contained normal paraffin hydrocarbon and tributyl phosphate from a one-time campaign to separate americium, curium, and promethium from Shippingport reactor blanket fuel in 1966. Approximately 200 gallons (760 liters) of water were added to the S-141 tank in 1988. The S-142 tank received approximately 1,300 gallons (5,000 liters) of water in 1967, 500 gallons (1,900 liters) in the mid-1970's, and 200 gallons (760 liters) in the mid-1980's. The combined storage design capacities of the tanks (S-141 and S-142) are 48,000 gallons (182,000 liters) (S02). The treatment design capacity of the distillation system was 3,000 gallons (11,400 liters) of waste per day (T04). The storage design capacity of the railroad tank cars was 40,000 gallons (152,000 liters) (S01).

The mixed waste was pumped from the S-141 and S-142 tanks through a distillation system to decrease the radioactivity of the waste. The distilled waste was sent to temporary storage in railroad tank cars located within the Hexone Storage and Treatment Facility, until completion of transfers to an offsite incinerator in June of 1992. Three distillation vessels containing process residue have been sampled and are stored elsewhere on the Hanford Site as mixed waste. The S-141 and S-142 tanks currently each contain up to 5 to 30 gallons (19 to 114 liters) of liquid mixed waste containing 93% normal paraffin hydrocarbon and 7% hexone and up to 250 gallons (950 liters) of phosphate tar. The phosphate tar will be stored at the Hanford Site as mixed waste. The railroad tank cars have been emptied, cleaned, and removed. The Hexone Storage and Treatment Facility two tanks are being closed in conjunction with the 200-IS-1 Operable Unit. The tanks have been stabilized by filling them with grout and deactivating the purge system.

The S-141 tank was used to store waste hexone (F003) that was used as a solvent in the REDOX Plant. The mixed waste was considered ignitable (D001) and a toxic state-only waste (WT02). The estimated annual quantity of waste that was treated and stored in the S-141 tank was approximately 20,000 gallons (76,000 liters).

The S-142 tank also was used to store hexone waste. In addition, the S-142 tank also stored normal paraffin hydrocarbon and tributyl phosphate waste. This waste resulted from a one-time campaign to separate americium, curium, and promethium from Shippingport reactor blanket fuel in 1966. The estimated annual quantity of waste that was treated and stored in the S-142 tank was approximately 16,000 gallons (61,000 liters).

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	0	2	48,000	G	002		1							
	2	T	0	4	3,000	U	001		2							
	3	S	0	1	40,000	G	002		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. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Processes									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
X 1	**D**	**0**	**0**	**2**	**400**	**P**	**S**	**0**	**1**	**T**	**0**	**1**				
X 2	**D**	**0**	**0**	**1**	**100**	**P**	**S**	**0**	**2**	**T**	**0**	**1**				
X 3	**D**	**0**	**0**	**2**												**Included with above**
1	D	0	0	1	245,400	P	S	0	2	T	0	4	S	0	1	
2	D	0	1	8		P	S	0	2	T	0	4	S	0	1	
3	D	0	1	9		P	S	0	2	T	0	4	S	0	1	
4	D	0	2	3		P	S	0	2	T	0	4	S	0	1	
5	D	0	2	4		P	S	0	2	T	0	4	S	0	1	
6	D	0	2	5		P	S	0	2	T	0	4	S	0	1	
7	D	0	2	7		P	S	0	2	T	0	4	S	0	1	
8	D	0	2	8		P	S	0	2	T	0	4	S	0	1	
9	D	0	2	9		P	S	0	2	T	0	4	S	0	1	
10	D		3	0		P	S	0	2	T	0	4	S	0	1	
11	D	0	3	2		P	S	0	2	T	0	4	S	0	1	
12	D	0	3	3		P	S	0	2	T	0	4	S	0	1	
13	D	0	3	4		P	S	0	2	T	0	4	S	0	1	
14	D	0	3	6		P	S	0	2	T	0	4	S	0	1	
15	D	0	3	7		P	S	0	2	T	0	4	S	0	1	
16	D	0	3	9		P	S	0	2	T	0	4	S	0	1	
17	D	0	4	0		P	S	0	2	T	0	4	S	0	1	
18	D	0	4	1		P	S	0	2	T	0	4	S	0	1	
19	D	0	4	2		P	S	0	2	T	0	4	S	0	1	
20	D	0	4	3		P	S	0	2	T	0	4	S	0	1	
21	F	0	0	3		P	S	0	2	T	0	4	S	0	1	
22	W	T	0	2		P	S	0	2	T	0	4	S	0	1	
23																
24																
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).

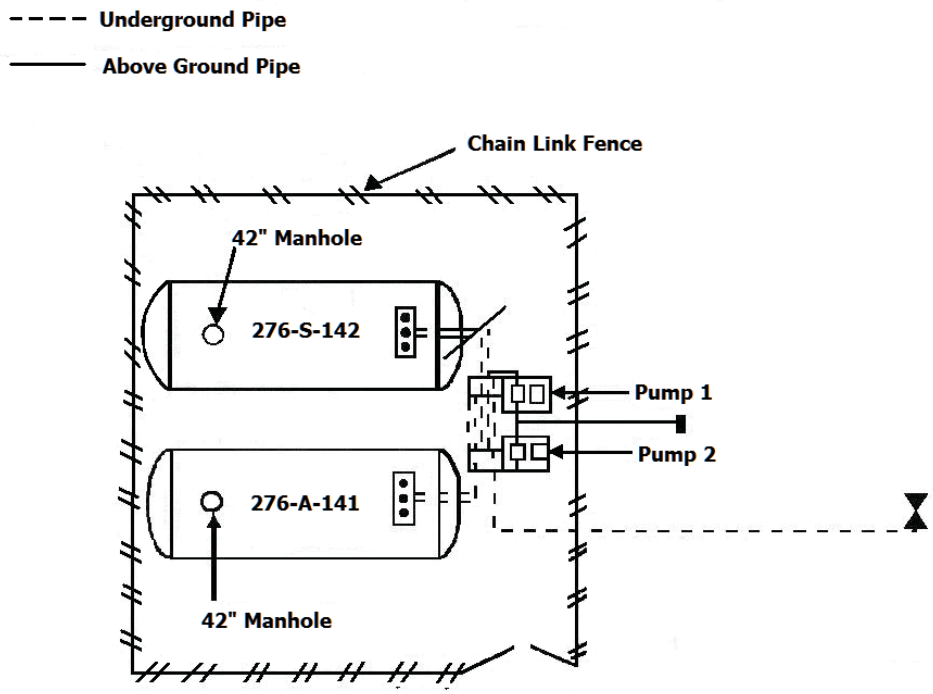
XVIII. Certifications

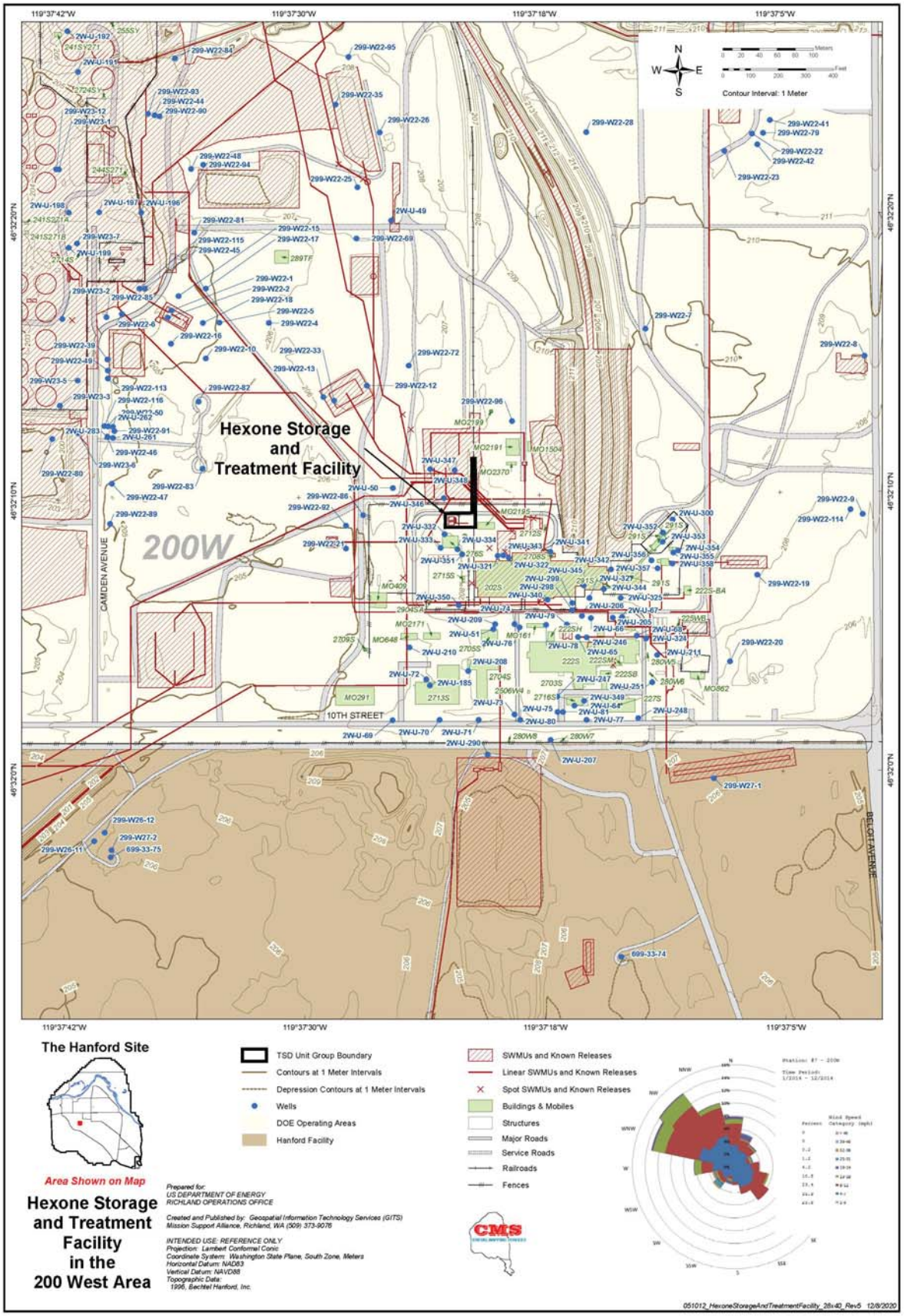
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage 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) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature** B. T. Vance	**Date Signed** 1/22/2021
Co-Operator* Name and Official Title (type or print) Scott Sax, President and Project Manager Central Plateau Cleanup Company LLC	**Signature** SCOTT SAX (Affiliate) Digitally signed by SCOTT SAX (Affiliate) Date: 2021.01.19 17:15:04 -08'00'	**Date Signed**
Co-Operator – Address and Telephone Number* P.O. Box 1464 Richland, WA 99352 (509) 372-3845		
Facility-Property Owner Name and Official Title (type or print) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature** B. T. Vance	**Date Signed** 1/22/2021

Comments
In Section IV, Facility Location is revised to update the facility location. In Section VI, Facility contact is revised to update the DOE-RL contact. In Section VII, Facility Operator Information is revised to update change in Co-Operator. In Section VIII, Facility Owner Information is revised to update facility owner name. In Section XVIII, "Certifications" is revised to update Operator Name, Co-Operator name, and Facility-Property Owner name. The topographic map for the unit is updated to reflect the current mapping conventions. The changes in these sections and the topographic map will be effective January 25, 2021. No other changes have been made to the Part A form sections. The certification is limited to the changes effective January 25, 2021.

Hexone Storage Tanks (276-S-141 & 276-S-142)




Hexone Storage and Treatment Facility
200W
CAMDEN AVENUE
10TH STREET
BELOT AVENUE
Contour Interval: 1 Meter
The Hanford Site
Area Shown on Map
Hexone Storage and Treatment Facility in the 200 West Area
TSD Unit Group Boundary
Contours at 1 Meter Intervals
Depression Contours at 1 Meter Intervals
Wells
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Hanford Facility
SWMUs and Known Releases
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Spot SWMUs and Known Releases
Buildings & Mobiles
Structures
Major Roads
Service Roads
Railroads
Fences
Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
Created and Published by: Geospatial Information Technology Services (GITS)
Mission Support Alliance, Richland, WA (509) 373-9076
INTENDED USE: REFERENCE ONLY
Projection: Lambert Conformal Conic
Coordinate System: Washington State Plane, South Zone, Meters
Horizontal Datum: NAD83
Vertical Datum: NAVD88
Topographic Data:
1996, Bechtel Hanford, Inc.
051012_HexoneStorageAndTreatmentFacility_28x40_Rev5 12/8/2020

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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)

☐	**Request modification to a final status permit (commonly called a "Part B" permit)**
☒	**Request a change under interim status**
☐	**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).**
☐	**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

2440 Stevens Drive

City or Town	State	ZIP Code
Richland	WA	99354

County Code (if known)	County Name
0 0 5	Benton

B. Land Type	C. Geographic Location Latitude (degrees, mins, secs)	Longitude (degrees, mins, secs)	D. Facility Existence Date 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)**	
Vance	Brian	
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 Central Plateau Cleanup Company LLC Co-Operator for the Low-Level Burial Grounds*	(509) 376-7395 (509) 372-3845*
Street or P.O. Box	
P.O. Box 550 P.O. Box 1464*	

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?	☒ **Yes** ☐ **No** Co-Operator* change	
If yes, provide the scheduled date for the change:	**Month** 0 1	**Day** 2 5	**Year** 2 0 2 1
D. Is the name listed in VII.A. also the owner? If yes, skip to Section VIII.C.	☒ **Yes** ☐ **No**	

VIII. Facility Owner Information		
A. Name	**Phone Number (area code and number)**	
Brian Vance, 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?	☐ **Yes** ☒ **No**	
If yes, provide the scheduled date for the change:	**Month**	**Day**	**Year**

IX. NAICS Codes (5/6 digit codes)													
A. First							**B. Second**						
5	6	2	2	1		Waste Treatment & Disposal	9	2	4	1	1	0	Administration of Air & Water Resource & Solid Waste Management Programs
C. Third							**D. Fourth**						
5	4	1	7	1		Research & Development in the Physical, Engineering, & Life Sciences							

X. Other Environmental Permits (see instructions)

A. Permit Type	B. Permit Number													C. Description
	E		A	I	R		0	6	-	1	0	1	9		WAC 246-247, NOC Rad Air
	E		A	I	R		0	6	-	1	0	2	3		WAC 246-247, NOC Rad Air
	E		A	I	R		0	6	-	1	0	5	4		WAC 246-247, NOC Rad Air
	E		D	E	0	0	N	W	P	-	0	0	2		WAC 173-400 Non Rad Air

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

D81

The Low-Level Burial Grounds (LLBG) began waste management operations in January of 1960. The LLBG comprise a landfill disposal unit (D81) and cover a total area of approximately 225 hectares (556 acres). The landfill is divided into eight burial grounds. Six burial grounds are located in the 200 West Area and two in the 200 East Area, as depicted on the attached drawings. The LLBG consist of lined and unlined trenches of various sizes and depths. All mixed waste disposed will meet land disposal restriction requirements. The lined trenches have a double-liner leachate collection and removal system.

The process design capacity for mixed waste in the LLBG is 1,740,000 cubic meters (2,275,920 cubic yards) of which 1,500,000 cubic meters (1,962,000 cubic yards) are dedicated solely for the disposal of U.S. Navy defueled reactor compartments. Additional design capacity has been included to facilitate future lined trench construction. All future mixed waste trenches, designed and constructed to comply with all applicable regulations, will be added to the LLBG through the Hanford Facility Resource Conservation and Recovery Act (RCRA) Permit modification process.

S01

The greater-than-90-day container storage capability in mixed waste trenches 31 and 34 of the 218-W-5 Burial Ground provides a location to store various sized containers of mixed waste in a RCRA-compliant manner other than the Central Waste Complex. In general, mixed waste will meet land disposal restriction (LDR) requirements before being placed in the trenches for storage. However, there will be other mixed waste containers that will be stored within the trenches before treatment to meet LDR. The placement of these containers in trenches 31 and 34 eliminates the need to construct a mixed waste storage/treatment pad. The process design capacity for storage of containers is estimated to be 10,000 cubic meters (13,080 cubic yards).

T04

Treatment to meet the LDR requirements will be performed within the mixed low-level waste (MLLW) trenches 31 and 34 of the 218-W-5 Burial Ground. The treatment capability consists of the use of immobilization technologies for mixed waste debris as listed under 40 CFR 268.45, Table 1, Alternative Treatment Standards for Hazardous Debris and MACRO in 40 CFR 268.42. In addition, the mixed waste containers will meet the 90 percent full container requirements following treatment. Treatment would be limited to those technologies that can be employed in/on containerized mixed waste. The process design capacity for treatment is estimated to be 100 cubic meters (131 cubic yards) per day.

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

Section XII. Process Codes and Design Capacities								Section XIII. Other Process Codes								
Line Number		A. Process Codes (enter code)			B. Process Design Capacity		C. Process Total Number of Units	Line Number		A. Process Codes (enter code)			B Process Design Capacity		C. Process Total Number of Units	D. Process Description
					1. Amount	2. Unit of Measure (enter code)							1. Amount	2. Unit of Measure (enter code)		
X	1	S	0	2	1,600	G	002	X	1	T	0	4	700	C	001	In situ vitrification
X	2	T	0	3	20	E	001									
X	3	T	0	4	700	C	001									
	1	D	8	1	1,740,000	C	002		1							
	2	S	0	1	10,000	C	002		2							
	3	T	0	4	100	C	002		3							
	4								4							
	5								5							
	6								6							
	7								7							
	8							1	8							
	9							1	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. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Processes									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
X 1	D	0	0	2	400	P	S	0	1	T	0	1				
X 2	D	0	0	1	100	P	S	0	2	T	0	1				
X 3	D	0	0	2												Included with above
1	D	0	0	1	160,000,000	K	D	8	1							Includes Debris
2	D	0	0	2		K	D	8	1							Includes Debris
3	D	0	0	3		K	D	8	1							Includes Debris
4	D	0	0	4		K	D	8	1							Includes Debris
5	D	0	0	5		K	D	8	1							Includes Debris
6	D	0	0	6		K	D	8	1							Includes Debris
7	D	0	0	7		K	D	8	1							Includes Debris
8	D	0	0	8		K	D	8	1							Includes Debris
9	D	0	0	9		K	D	8	1							Includes Debris
10	D	0	1	0		K	D	8	1							Includes Debris
11	D	0	1	1		K	D	8	1							Includes Debris
12	D	0	1	2		K	D	8	1							Includes Debris
13	D	0	1	3		K	D	8	1							Includes Debris
14	D	0	1	4		K	D	8	1							Includes Debris
15	D	0	1	5		K	D	8	1							Includes Debris
16	D	0	1	6		K	D	8	1							Includes Debris
17	D	0	1	7		K	D	8	1							Includes Debris
18	D	0	1	8		K	D	8	1							Includes Debris
19	D	0	1	9		K	D	8	1							Includes Debris
20	D	0	2	0		K	D	8	1							Includes Debris
21	D	0	2	1		K	D	8	1							Includes Debris
22	D	0	2	2		K	D	8	1							Includes Debris
23	D	0	2	3		K	D	8	1							Includes Debris
24	D	0	2	4		K	D	8	1							Includes Debris
25	D	0	2	5		K	D	8	1							Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

Continuation of Section XIV. Description of Dangerous Waste

Line Number	A. Dangerous Waste No. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Process									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
26	D	0	2	6		K	D	8	1							Includes Debris
27	D	0	2	7		K	D	8	1							Includes Debris
28	D	0	2	8		K	D	8	1							Includes Debris
29	D	0	2	9		K	D	8	1							Includes Debris
30	D	0	3	0		K	D	8	1							Includes Debris
31	D	0	3	1		K	D	8	1							Includes Debris
32	D	0	3	2		K	D	8	1							Includes Debris
33	D	0	3	3		K	D	8	1							Includes Debris
34	D	0	3	4		K	D	8	1							Includes Debris
35	D	0	3	5		K	D	8	1							Includes Debris
36	D	0	3	6		K	D	8	1							Includes Debris
37	D	0	3	7		K	D	8	1							Includes Debris
38	D	0	3	8		K	D	8	1							Includes Debris
39	D	0	3	9		K	D	8	1							Includes Debris
40	D	0	4	0		K	D	8	1							Includes Debris
41	D	0	4	1		K	D	8	1							Includes Debris
42	D	0	4	2		K	D	8	1							Includes Debris
43	D	0	4	3		K	D	8	1							Includes Debris
44	W	P	0	1		K	D	8	1							Includes Debris
45	W	P	0	2		K	D	8	1							Includes Debris
46	W	P	0	3		K	D	8	1							Includes Debris
47	W	P	C	B		K	D	8	1							Includes Debris
48	W	S	C	2		K	D	8	1							Includes Debris
49	W	T	0	1		K	D	8	1							Includes Debris
50	W	T	0	2		K	D	8	1							Includes Debris
51	F	0	0	1		K	D	8	1							Includes Debris
52	F	0	0	2		K	D	8	1							Includes Debris
53	F	0	0	3		K	D	8	1							Includes Debris
54	F	0	0	4		K	D	8	1							Includes Debris
55	F	0	0	5		K	D	8	1							Includes Debris
56	F	0	0	6		K	D	8	1							Includes Debris
57	F	0	0	7		K	D	8	1							Includes Debris
58	F	0	0	8		K	D	8	1							Includes Debris
59	F	0	0	9		K	D	8	1							Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

Continuation of Section XIV. Description of Dangerous Waste

Line Number	A. Dangerous Waste No. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Process									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
60	F	0	1	0		K	D	8	1							Includes Debris
61	F	0	1	1		K	D	8	1							Includes Debris
62	F	0	1	2		K	D	8	1							Includes Debris
63	F	0	1	9		K	D	8	1							Includes Debris
64	F	0	2	8		K	D	8	1							Includes Debris
65	F	0	3	9		K	D	8	1							Includes Debris
66	U	0	0	1		K	D	8	1							Includes Debris
67	U	0	0	2		K	D	8	1							Includes Debris
68	U	0	0	3		K	D	8	1							Includes Debris
69	U	0	0	4		K	D	8	1							Includes Debris
70	U	0	0	5		K	D	8	1							Includes Debris
71	U	0	0	6		K	D	8	1							Includes Debris
72	U	0	0	7		K	D	8	1							Includes Debris
73	U	0	0	8		K	D	8	1							Includes Debris
74	U	0	0	9		K	D	8	1							Includes Debris
75	U	0	1	0		K	D	8	1							Includes Debris
76	U	0	1	1		K	D	8	1							Includes Debris
77	U	0	1	2		K	D	8	1							Includes Debris
78	U	0	1	4		K	D	8	1							Includes Debris
79	U	0	1	5		K	D	8	1							Includes Debris
80	U	0	1	6		K	D	8	1							Includes Debris
81	U	0	1	7		K	D	8	1							Includes Debris
82	U	0	1	8		K	D	8	1							Includes Debris
83	U	0	1	9		K	D	8	1							Includes Debris
84	U	0	2	0		K	D	8	1							Includes Debris
85	U	0	2	1		K	D	8	1							Includes Debris
86	U	0	2	2		K	D	8	1							Includes Debris
87	U	0	2	3		K	D	8	1							Includes Debris
88	U	0	2	4		K	D	8	1							Includes Debris
89	U	0	2	5		K	D	8	1							Includes Debris
90	U	0	2	6		K	D	8	1							Includes Debris
91	U	0	2	7		K	D	8	1							Includes Debris
92	U	0	2	8		K	D	8	1							Includes Debris
93	U	0	2	9		K	D	8	1							Includes Debris
94	U	0	3	0		K	D	8	1							Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

Continuation of Section XIV. Description of Dangerous Waste

Line Number	A. Dangerous Waste No. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Process									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
95	U	0	3	1		K	D	8	1							Includes Debris
96	U	0	3	2		K	D	8	1							Includes Debris
97	U	0	3	3		K	D	8	1							Includes Debris
98	U	0	3	4		K	D	8	1							Includes Debris
99	U	0	3	5		K	D	8	1							Includes Debris
100	U	0	3	6		K	D	8	1							Includes Debris
101	U	0	3	7		K	D	8	1							Includes Debris
102	U	0	3	8		K	D	8	1							Includes Debris
103	U	0	3	9		K	D	8	1							Includes Debris
104	U	0	4	1		K	D	8	1							Includes Debris
105	U	0	4	2		K	D	8	1							Includes Debris
106	U	0	4	3		K	D	8	1							Includes Debris
107	U	0	4	4		K	D	8	1							Includes Debris
108	U	0	4	5		K	D	8	1							Includes Debris
109	U	0	4	6		K	D	8	1							Includes Debris
110	U	0	4	7		K	D	8	1							Includes Debris
111	U	0	4	8		K	D	8	1							Includes Debris
112	U	0	4	9		K	D	8	1							Includes Debris
113	U	0	5	0		K	D	8	1							Includes Debris
114	U	0	5	1		K	D	8	1							Includes Debris
115	U	0	5	2		K	D	8	1							Includes Debris
116	U	0	5	3		K	D	8	1							Includes Debris
117	U	0	5	5		K	D	8	1							Includes Debris
118	U	0	5	6		K	D	8	1							Includes Debris
119	U	0	5	7		K	D	8	1							Includes Debris
120	U	0	5	8		K	D	8	1							Includes Debris
121	U	0	5	9		K	D	8	1							Includes Debris
122	U	0	6	0		K	D	8	1							Includes Debris
123	U	0	6	1		K	D	8	1							Includes Debris
124	U	0	6	2		K	D	8	1							Includes Debris
125	U	0	6	3		K	D	8	1							Includes Debris
126	U	0	6	4		K	D	8	1							Includes Debris
127	U	0	6	6		K	D	8	1							Includes Debris
128	U	0	6	7		K	D	8	1							Includes Debris
129	U	0	6	8		K	D	8	1							Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

Continuation of Section XIV. Description of Dangerous Waste

Line Number	A. Dangerous Waste No. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Process									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
130	U	0	6	9		K	D	8	1							Includes Debris
131	U	0	7	0		K	D	8	1							Includes Debris
132	U	0	7	1		K	D	8	1							Includes Debris
133	U	0	7	2		K	D	8	1							Includes Debris
134	U	0	7	3		K	D	8	1							Includes Debris
135	U	0	7	4		K	D	8	1							Includes Debris
136	U	0	7	5		K	D	8	1							Includes Debris
137	U	0	7	6		K	D	8	1							Includes Debris
138	U	0	7	7		K	D	8	1							Includes Debris
139	U	0	7	8		K	D	8	1							Includes Debris
140	U	0	7	9		K	D	8	1							Includes Debris
141	U	0	8	0		K	D	8	1							Includes Debris
142	U	0	8	1		K	D	8	1							Includes Debris
143	U	0	8	2		K	D	8	1							Includes Debris
144	U	0	8	3		K	D	8	1							Includes Debris
145	U	0	8	4		K	D	8	1							Includes Debris
146	U	0	8	5		K	D	8	1							Includes Debris
147	U	0	8	6		K	D	8	1							Includes Debris
148	U	0	8	7		K	D	8	1							Includes Debris
149	U	0	8	8		K	D	8	1							Includes Debris
150	U	0	8	9		K	D	8	1							Includes Debris
151	U	0	9	0		K	D	8	1							Includes Debris
152	U	0	9	1		K	D	8	1							Includes Debris
153	U	0	9	2		K	D	8	1							Includes Debris
154	U	0	9	3		K	D	8	1							Includes Debris
155	U	0	9	4		K	D	8	1							Includes Debris
156	U	0	9	5		K	D	8	1							Includes Debris
157	U	0	9	6		K	D	8	1							Includes Debris
158	U	0	9	7		K	D	8	1							Includes Debris
159	U	0	9	8		K	D	8	1							Includes Debris
160	U	0	9	9		K	D	8	1							Includes Debris
161	U	1	0	1		K	D	8	1							Includes Debris
162	U	1	0	2		K	D	8	1							Includes Debris
163	U	1	0	3		K	D	8	1							Includes Debris
164	U	1	0	5		K	D	8	1							Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

Continuation of Section XIV. Description of Dangerous Waste

Line Number	A. Dangerous Waste No. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Process									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
165	U	1	0	6		K	D	8	1							Includes Debris
166	U	1	0	7		K	D	8	1							Includes Debris
167	U	1	0	8		K	D	8	1							Includes Debris
168	U	1	0	9		K	D	8	1							Includes Debris
169	U	1	1	0		K	D	8	1							Includes Debris
170	U	1	1	1		K	D	8	1							Includes Debris
171	U	1	1	2		K	D	8	1							Includes Debris
172	U	1	1	3		K	D	8	1							Includes Debris
173	U	1	1	4		K	D	8	1							Includes Debris
174	U	1	1	5		K	D	8	1							Includes Debris
175	U	1	1	6		K	D	8	1							Includes Debris
176	U	1	1	7		K	D	8	1							Includes Debris
177	U	1	1	8		K	D	8	1							Includes Debris
178	U	1	1	9		K	D	8	1							Includes Debris
179	U	1	2	0		K	D	8	1							Includes Debris
180	U	1	2	1		K	D	8	1							Includes Debris
181	U	1	2	2		K	D	8	1							Includes Debris
182	U	1	2	3		K	D	8	1							Includes Debris
183	U	1	2	4		K	D	8	1							Includes Debris
184	U	1	2	5		K	D	8	1							Includes Debris
185	U	1	2	6		K	D	8	1							Includes Debris
186	U	1	2	7		K	D	8	1							Includes Debris
187	U	1	2	8		K	D	8	1							Includes Debris
188	U	1	2	9		K	D	8	1							Includes Debris
189	U	1	3	0		K	D	8	1							Includes Debris
190	U	1	3	1		K	D	8	1							Includes Debris
191	U	1	3	2		K	D	8	1							Includes Debris
192	U	1	3	3		K	D	8	1							Includes Debris
193	U	1	3	4		K	D	8	1							Includes Debris
194	U	1	3	5		K	D	8	1							Includes Debris
195	U	1	3	6		K	D	8	1							Includes Debris
196	U	1	3	7		K	D	8	1							Includes Debris
197	U	1	3	8		K	D	8	1							Includes Debris
198	U	1	4	0		K	D	8	1							Includes Debris
199	U	1	4	1		K	D	8	1							Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

Continuation of Section XIV. Description of Dangerous Waste

Line Number	A. Dangerous Waste No. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Process									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
200	U	1	4	2		K	D	8	1							Includes Debris
201	U	1	4	3		K	D	8	1							Includes Debris
202	U	1	4	4		K	D	8	1							Includes Debris
203	U	1	4	5		K	D	8	1							Includes Debris
204	U	1	4	6		K	D	8	1							Includes Debris
205	U	1	4	7		K	D	8	1							Includes Debris
206	U	1	4	8		K	D	8	1							Includes Debris
207	U	1	4	9		K	D	8	1							Includes Debris
208	U	1	5	0		K	D	8	1							Includes Debris
209	U	1	5	1		K	D	8	1							Includes Debris
210	U	1	5	2		K	D	8	1							Includes Debris
211	U	1	5	3		K	D	8	1							Includes Debris
212	U	1	5	4		K	D	8	1							Includes Debris
213	U	1	5	5		K	D	8	1							Includes Debris
214	U	1	5	6		K	D	8	1							Includes Debris
215	U	1	5	7		K	D	8	1							Includes Debris
216	U	1	5	8		K	D	8	1							Includes Debris
217	U	1	5	9		K	D	8	1							Includes Debris
218	U	1	6	0		K	D	8	1							Includes Debris
219	U	1	6	1		K	D	8	1							Includes Debris
220	U	1	6	2		K	D	8	1							Includes Debris
221	U	1	6	3		K	D	8	1							Includes Debris
222	U	1	6	4		K	D	8	1							Includes Debris
223	U	1	6	5		K	D	8	1							Includes Debris
224	U	1	6	6		K	D	8	1							Includes Debris
225	U	1	6	7		K	D	8	1							Includes Debris
226	U	1	6	8		K	D	8	1							Includes Debris
227	U	1	6	9		K	D	8	1							Includes Debris
228	U	1	7	0		K	D	8	1							Includes Debris
229	U	1	7	1		K	D	8	1							Includes Debris
230	U	1	7	2		K	D	8	1							Includes Debris
231	U	1	7	3		K	D	8	1							Includes Debris
232	U	1	7	4		K	D	8	1							Includes Debris
233	U	1	7	6		K	D	8	1							Includes Debris
234	U	1	7	7		K	D	8	1							Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

Continuation of Section XIV. Description of Dangerous Waste

Line Number	A. Dangerous Waste No. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Process									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
235	U	1	7	8		K	D	8	1							Includes Debris
236	U	1	7	9		K	D	8	1							Includes Debris
237	U	1	8	0		K	D	8	1							Includes Debris
238	U	1	8	1		K	D	8	1							Includes Debris
239	U	1	8	2		K	D	8	1							Includes Debris
240	U	1	8	3		K	D	8	1							Includes Debris
241	U	1	8	4		K	D	8	1							Includes Debris
242	U	1	8	5		K	D	8	1							Includes Debris
243	U	1	8	6		K	D	8	1							Includes Debris
244	U	1	8	7		K	D	8	1							Includes Debris
245	U	1	8	8		K	D	8	1							Includes Debris
246	U	1	8	9		K	D	8	1							Includes Debris
247	U	1	9	0		K	D	8	1							Includes Debris
248	U	1	9	1		K	D	8	1							Includes Debris
249	U	1	9	2		K	D	8	1							Includes Debris
250	U	1	9	3		K	D	8	1							Includes Debris
251	U	1	9	4		K	D	8	1							Includes Debris
252	U	1	9	6		K	D	8	1							Includes Debris
253	U	1	9	7		K	D	8	1							Includes Debris
254	U	2	0	0		K	D	8	1							Includes Debris
255	U	2	0	1		K	D	8	1							Includes Debris
256	U	2	0	2		K	D	8	1							Includes Debris
257	U	2	0	3		K	D	8	1							Includes Debris
258	U	2	0	4		K	D	8	1							Includes Debris
259	U	2	0	5		K	D	8	1							Includes Debris
260	U	2	0	6		K	D	8	1							Includes Debris
261	U	2	0	7		K	D	8	1							Includes Debris
262	U	2	0	8		K	D	8	1							Includes Debris
263	U	2	0	9		K	D	8	1							Includes Debris
264	U	2	1	0		K	D	8	1							Includes Debris
265	U	2	1	1		K	D	8	1							Includes Debris
266	U	2	1	3		K	D	8	1							Includes Debris
267	U	2	1	4		K	D	8	1							Includes Debris
268	U	2	1	5		K	D	8	1							Includes Debris
269	U	2	1	6		K	D	8	1							Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

Continuation of Section XIV. Description of Dangerous Waste

Line Number	A. Dangerous Waste No. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Process									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
270	U	2	1	7		K	D	8	1							Includes Debris
271	U	2	1	8		K	D	8	1							Includes Debris
272	U	2	1	9		K	D	8	1							Includes Debris
273	U	2	2	0		K	D	8	1							Includes Debris
274	U	2	2	1		K	D	8	1							Includes Debris
275	U	2	2	2		K	D	8	1							Includes Debris
276	U	2	2	3		K	D	8	1							Includes Debris
277	U	2	2	5		K	D	8	1							Includes Debris
278	U	2	2	6		K	D	8	1							Includes Debris
279	U	2	2	7		K	D	8	1							Includes Debris
280	U	2	2	8		K	D	8	1							Includes Debris
281	U	2	3	1		K	D	8	1							Includes Debris
282	U	2	3	2		K	D	8	1							Includes Debris
283	U	2	3	3		K	D	8	1							Includes Debris
284	U	2	3	4		K	D	8	1							Includes Debris
285	U	2	3	5		K	D	8	1							Includes Debris
286	U	2	3	6		K	D	8	1							Includes Debris
287	U	2	3	7		K	D	8	1							Includes Debris
288	U	2	3	8		K	D	8	1							Includes Debris
289	U	2	3	9		K	D	8	1							Includes Debris
290	U	2	4	0		K	D	8	1							Includes Debris
291	U	2	4	3		K	D	8	1							Includes Debris
292	U	2	4	4		K	D	8	1							Includes Debris
293	U	2	4	6		K	D	8	1							Includes Debris
294	U	2	4	7		K	D	8	1							Includes Debris
295	U	2	4	8		K	D	8	1							Includes Debris
296	U	2	4	9		K	D	8	1							Includes Debris
297	U	2	7	1		K	D	8	1							Includes Debris
298	U	2	7	8		K	D	8	1							Includes Debris
299	U	2	7	9		K	D	8	1							Includes Debris
300	U	2	8	0		K	D	8	1							Includes Debris
301	U	3	2	8		K	D	8	1							Includes Debris
302	U	3	5	3		K	D	8	1							Includes Debris
303	U	3	5	9		K	D	8	1							Includes Debris
304	U	3	6	4		K	D	8	1							Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

Continuation of Section XIV. Description of Dangerous Waste

Line Number	A. Dangerous Waste No. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Process									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
305	U	3	6	7		K	D	8	1							Includes Debris
306	U	3	7	2		K	D	8	1							Includes Debris
307	U	3	7	3		K	D	8	1							Includes Debris
308	U	3	7	5		K	D	8	1							Includes Debris
309	U	3	8	7		K	D	8	1							Includes Debris
310	U	3	8	9		K	D	8	1							Includes Debris
311	U	3	9	4		K	D	8	1							Includes Debris
312	U	3	9	5		K	D	8	1							Includes Debris
313	U	4	0	1		K	D	8	1							Includes Debris
314	U	4	0	2		K	D	8	1							Includes Debris
315	U	4	0	3		K	D	8	1							Includes Debris
316	U	4	0	4		K	D	8	1							Includes Debris
317	U	4	0	7		K	D	8	1							Includes Debris
318	U	4	0	9		K	D	8	1							Includes Debris
319	U	4	1	0		K	D	8	1							Includes Debris
320	U	4	1	1		K	D	8	1							Includes Debris
321	P	0	0	1		K	D	8	1							Includes Debris
322	P	0	0	2		K	D	8	1							Includes Debris
323	P	0	0	3		K	D	8	1							Includes Debris
324	P	0	0	4		K	D	8	1							Includes Debris
325	P	0	0	5		K	D	8	1							Includes Debris
326	P	0	0	6		K	D	8	1							Includes Debris
327	P	0	0	8		K	D	8	1							Includes Debris
328	P	0	0	9		K	D	8	1							Includes Debris
329	P	0	1	0		K	D	8	1							Includes Debris
330	P	0	1	1		K	D	8	1							Includes Debris
331	P	0	1	2		K	D	8	1							Includes Debris
332	P	0	1	3		K	D	8	1							Includes Debris
333	P	0	1	4		K	D	8	1							Includes Debris
334	P	0	1	5		K	D	8	1							Includes Debris
335	P	0	1	6		K	D	8	1							Includes Debris
336	P	0	1	7		K	D	8	1							Includes Debris
337	P	0	1	8		K	D	8	1							Includes Debris
338	P	0	2	0		K	D	8	1							Includes Debris
339	P	0	2	1		K	D	8	1							Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

Continuation of Section XIV. Description of Dangerous Waste

Line Number	A. Dangerous Waste No. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Process									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
340	P	0	2	2		K	D	8	1							Includes Debris
341	P	0	2	3		K	D	8	1							Includes Debris
342	P	0	2	4		K	D	8	1							Includes Debris
343	P	0	2	6		K	D	8	1							Includes Debris
344	P	0	2	7		K	D	8	1							Includes Debris
345	P	0	2	8		K	D	8	1							Includes Debris
346	P	0	2	9		K	D	8	1							Includes Debris
347	P	0	3	0		K	D	8	1							Includes Debris
348	P	0	3	1		K	D	8	1							Includes Debris
349	P	0	3	3		K	D	8	1							Includes Debris
350	P	0	3	4		K	D	8	1							Includes Debris
351	P	0	3	6		K	D	8	1							Includes Debris
352	P	0	3	7		K	D	8	1							Includes Debris
353	P	0	3	8		K	D	8	1							Includes Debris
354	P	0	3	9		K	D	8	1							Includes Debris
355	P	0	4	0		K	D	8	1							Includes Debris
356	P	0	4	1		K	D	8	1							Includes Debris
357	P	0	4	2		K	D	8	1							Includes Debris
358	P	0	4	3		K	D	8	1							Includes Debris
359	P	0	4	4		K	D	8	1							Includes Debris
360	P	0	4	5		K	D	8	1							Includes Debris
361	P	0	4	6		K	D	8	1							Includes Debris
362	P	0	4	7		K	D	8	1							Includes Debris
363	P	0	4	8		K	D	8	1							Includes Debris
364	P	0	4	9		K	D	8	1							Includes Debris
365	P	0	5	0		K	D	8	1							Includes Debris
366	P	0	5	1		K	D	8	1							Includes Debris
367	P	0	5	4		K	D	8	1							Includes Debris
368	P	0	5	6		K	D	8	1							Includes Debris
369	P	0	5	7		K	D	8	1							Includes Debris
370	P	0	5	8		K	D	8	1							Includes Debris
371	P	0	5	9		K	D	8	1							Includes Debris
372	P	0	6	0		K	D	8	1							Includes Debris
373	P	0	6	2		K	D	8	1							Includes Debris
374	P	0	6	3		K	D	8	1							Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

Continuation of Section XIV. Description of Dangerous Waste

Line Number	A. Dangerous Waste No. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Process									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
375	P	0	6	4		K	D	8	1							Includes Debris
376	P	0	6	5		K	D	8	1							Includes Debris
377	P	0	6	6		K	D	8	1							Includes Debris
378	P	0	6	7		K	D	8	1							Includes Debris
379	P	0	6	8		K	D	8	1							Includes Debris
380	P	0	6	9		K	D	8	1							Includes Debris
381	P	0	7	0		K	D	8	1							Includes Debris
382	P	0	7	1		K	D	8	1							Includes Debris
383	P	0	7	2		K	D	8	1							Includes Debris
384	P	0	7	3		K	D	8	1							Includes Debris
385	P	0	7	4		K	D	8	1							Includes Debris
386	P	0	7	5		K	D	8	1							Includes Debris
387	P	0	7	6		K	D	8	1							Includes Debris
388	P	0	7	7		K	D	8	1							Includes Debris
389	P	0	7	8		K	D	8	1							Includes Debris
390	P	0	8	1		K	D	8	1							Includes Debris
391	P	0	8	2		K	D	8	1							Includes Debris
392	P	0	8	4		K	D	8	1							Includes Debris
393	P	0	8	5		K	D	8	1							Includes Debris
394	P	0	8	7		K	D	8	1							Includes Debris
395	P	0	8	8		K	D	8	1							Includes Debris
396	P	0	8	9		K	D	8	1							Includes Debris
397	P	0	9	2		K	D	8	1							Includes Debris
398	P	0	9	3		K	D	8	1							Includes Debris
399	P	0	9	4		K	D	8	1							Includes Debris
400	P	0	9	5		K	D	8	1							Includes Debris
401	P	0	9	6		K	D	8	1							Includes Debris
402	P	0	9	7		K	D	8	1							Includes Debris
403	P	0	9	8		K	D	8	1							Includes Debris
404	P	0	9	9		K	D	8	1							Includes Debris
405	P	1	0	1		K	D	8	1							Includes Debris
406	P	1	0	2		K	D	8	1							Includes Debris
407	P	1	0	3		K	D	8	1							Includes Debris
408	P	1	0	4		K	D	8	1							Includes Debris
409	P	1	0	5		K	D	8	1							Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

Continuation of Section XIV. Description of Dangerous Waste

Line Number	A. Dangerous Waste No. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Process									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
410	P	1	0	6		K	D	8	1							Includes Debris
411	P	1	0	8		K	D	8	1							Includes Debris
412	P	1	0	9		K	D	8	1							Includes Debris
413	P	1	1	0		K	D	8	1							Includes Debris
414	P	1	1	1		K	D	8	1							Includes Debris
415	P	1	1	2		K	D	8	1							Includes Debris
416	P	1	1	3		K	D	8	1							Includes Debris
417	P	1	1	4		K	D	8	1							Includes Debris
418	P	1	1	5		K	D	8	1							Includes Debris
419	P	1	1	6		K	D	8	1							Includes Debris
420	P	1	1	8		K	D	8	1							Includes Debris
421	P	1	1	9		K	D	8	1							Includes Debris
422	P	1	2	0		K	D	8	1							Includes Debris
423	P	1	2	1		K	D	8	1							Includes Debris
424	P	1	2	2		K	D	8	1							Includes Debris
425	P	1	2	3		K	D	8	1							Includes Debris
426	P	1	2	7		K	D	8	1							Includes Debris
427	P	1	2	8		K	D	8	1							Includes Debris
428	P	1	8	5		K	D	8	1							Includes Debris
429	P	1	8	8		K	D	8	1							Includes Debris
430	P	1	8	9		K	D	8	1							Includes Debris
431	P	1	9	0		K	D	8	1							Includes Debris
432	P	1	9	1		K	D	8	1							Includes Debris
433	P	1	9	2		K	D	8	1							Includes Debris
434	P	1	9	4		K	D	8	1							Includes Debris
435	P	1	9	6		K	D	8	1							Includes Debris
436	P	1	9	7		K	D	8	1							Includes Debris
437	P	1	9	8		K	D	8	1							Includes Debris
438	P	1	9	9		K	D	8	1							Includes Debris
439	P	2	0	1		K	D	8	1							Includes Debris
440	P	2	0	2		K	D	8	1							Includes Debris
441	P	2	0	3		K	D	8	1							Includes Debris
442	P	2	0	4		K	D	8	1							Includes Debris
443	P	2	0	5		K	D	8	1							Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

Continuation of Section XIV. Description of Dangerous Waste

Line Number	A. Dangerous Waste No. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Process									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
444	D	0	0	4	10,000,000	K	S	0	1	T	0	4				Includes Debris
445	D	0	0	5		K	S	0	1	T	0	4				Includes Debris
446	D	0	0	6		K	S	0	1	T	0	4				Includes Debris
447	D	0	0	7		K	S	0	1	T	0	4				Includes Debris
448	D	0	0	8		K	S	0	1	T	0	4				Includes Debris
449	D	0	0	9		K	S	0	1	T	0	4				Includes Debris
450	D	0	1	0		K	S	0	1	T	0	4				Includes Debris
451	D	0	1	1		K	S	0	1	T	0	4				Includes Debris
452	D	0	1	2		K	S	0	1	T	0	4				Includes Debris
453	D	0	1	3		K	S	0	1	T	0	4				Includes Debris
454	D	0	1	4		K	S	0	1	T	0	4				Includes Debris
455	D	0	1	5		K	S	0	1	T	0	4				Includes Debris
456	D	0	1	6		K	S	0	1	T	0	4				Includes Debris
457	D	0	1	7		K	S	0	1	T	0	4				Includes Debris
458	D	0	1	8		K	S	0	1	T	0	4				Includes Debris
459	D	0	1	9		K	S	0	1	T	0	4				Includes Debris
460	D	0	2	0		K	S	0	1	T	0	4				Includes Debris
461	D	0	2	1		K	S	0	1	T	0	4				Includes Debris
462	D	0	2	2		K	S	0	1	T	0	4				Includes Debris
463	D	0	2	3		K	S	0	1	T	0	4				Includes Debris
464	D	0	2	4		K	S	0	1	T	0	4				Includes Debris
465	D	0	2	5		K	S	0	1	T	0	4				Includes Debris
466	D	0	2	6		K	S	0	1	T	0	4				Includes Debris
467	D	0	2	7		K	S	0	1	T	0	4				Includes Debris
468	D	0	2	8		K	S	0	1	T	0	4				Includes Debris
469	D	0	2	9		K	S	0	1	T	0	4				Includes Debris
470	D	0	3	0		K	S	0	1	T	0	4				Includes Debris
471	D	0	3	1		K	S	0	1	T	0	4				Includes Debris
472	D	0	3	2		K	S	0	1	T	0	4				Includes Debris
473	D	0	3	3		K	S	0	1	T	0	4				Includes Debris
474	D	0	3	4		K	S	0	1	T	0	4				Includes Debris
475	D	0	3	5		K	S	0	1	T	0	4				Includes Debris
476	D	0	3	6		K	S	0	1	T	0	4				Includes Debris
477	D	0	3	7		K	S	0	1	T	0	4				Includes Debris
478	D	0	3	8		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

Continuation of Section XIV. Description of Dangerous Waste

Line Number	A. Dangerous Waste No. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Process									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
479	D	0	3	9		K	S	0	1	T	0	4				Includes Debris
480	D	0	4	0		K	S	0	1	T	0	4				Includes Debris
481	D	0	4	1		K	S	0	1	T	0	4				Includes Debris
482	D	0	4	2		K	S	0	1	T	0	4				Includes Debris
483	D	0	4	3		K	S	0	1	T	0	4				Includes Debris
484	W	P	0	1		K	S	0	1	T	0	4				Includes Debris
485	W	P	0	2		K	S	0	1	T	0	4				Includes Debris
486	W	P	0	3		K	S	0	1	T	0	4				Includes Debris
487	W	P	C	B		K	S	0	1	T	0	4				Includes Debris
488	W	S	C	2		K	S	0	1	T	0	4				Includes Debris
489	W	T	0	1		K	S	0	1	T	0	4				Includes Debris
490	W	T	0	2		K	S	0	1	T	0	4				Includes Debris
491	F	0	0	1		K	S	0	1	T	0	4				Includes Debris
492	F	0	0	2		K	S	0	1	T	0	4				Includes Debris
493	F	0	0	3		K	S	0	1	T	0	4				Includes Debris
494	F	0	0	4		K	S	0	1	T	0	4				Includes Debris
495	F	0	0	5		K	S	0	1	T	0	4				Includes Debris
496	F	0	0	6		K	S	0	1	T	0	4				Includes Debris
497	F	0	0	7		K	S	0	1	T	0	4				Includes Debris
498	F	0	0	8		K	S	0	1	T	0	4				Includes Debris
499	F	0	0	9		K	S	0	1	T	0	4				Includes Debris
500	F	0	1	0		K	S	0	1	T	0	4				Includes Debris
501	F	0	1	1		K	S	0	1	T	0	4				Includes Debris
502	F	0	1	2		K	S	0	1	T	0	4				Includes Debris
503	F	0	1	9		K	S	0	1	T	0	4				Includes Debris
504	F	0	2	8		K	S	0	1	T	0	4				Includes Debris
505	U	0	0	1		K	S	0	1	T	0	4				Includes Debris
506	U	0	0	2		K	S	0	1	T	0	4				Includes Debris
507	U	0	0	3		K	S	0	1	T	0	4				Includes Debris
508	U	0	0	4		K	S	0	1	T	0	4				Includes Debris
509	U	0	0	5		K	S	0	1	T	0	4				Includes Debris
510	U	0	0	6		K	S	0	1	T	0	4				Includes Debris
511	U	0	0	7		K	S	0	1	T	0	4				Includes Debris
512	U	0	0	8		K	S	0	1	T	0	4				Includes Debris
513	U	0	0	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

Continuation of Section XIV. Description of Dangerous Waste

Line Number	A. Dangerous Waste No. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Process									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
514	U	0	1	0		K	S	0	1	T	0	4				Includes Debris
515	U	0	1	1		K	S	0	1	T	0	4				Includes Debris
516	U	0	1	2		K	S	0	1	T	0	4				Includes Debris
517	U	0	1	4		K	S	0	1	T	0	4				Includes Debris
518	U	0	1	5		K	S	0	1	T	0	4				Includes Debris
519	U	0	1	6		K	S	0	1	T	0	4				Includes Debris
520	U	0	1	7		K	S	0	1	T	0	4				Includes Debris
521	U	0	1	8		K	S	0	1	T	0	4				Includes Debris
522	U	0	1	9		K	S	0	1	T	0	4				Includes Debris
523	U	0	2	0		K	S	0	1	T	0	4				Includes Debris
524	U	0	2	1		K	S	0	1	T	0	4				Includes Debris
525	U	0	2	2		K	S	0	1	T	0	4				Includes Debris
526	U	0	2	3		K	S	0	1	T	0	4				Includes Debris
527	U	0	2	4		K	S	0	1	T	0	4				Includes Debris
528	U	0	2	5		K	S	0	1	T	0	4				Includes Debris
529	U	0	2	6		K	S	0	1	T	0	4				Includes Debris
530	U	0	2	7		K	S	0	1	T	0	4				Includes Debris
531	U	0	2	8		K	S	0	1	T	0	4				Includes Debris
532	U	0	2	9		K	S	0	1	T	0	4				Includes Debris
533	U	0	3	0		K	S	0	1	T	0	4				Includes Debris
534	U	0	3	1		K	S	0	1	T	0	4				Includes Debris
535	U	0	3	2		K	S	0	1	T	0	4				Includes Debris
536	U	0	3	3		K	S	0	1	T	0	4				Includes Debris
537	U	0	3	4		K	S	0	1	T	0	4				Includes Debris
538	U	0	3	5		K	S	0	1	T	0	4				Includes Debris
539	U	0	3	6		K	S	0	1	T	0	4				Includes Debris
540	U	0	3	7		K	S	0	1	T	0	4				Includes Debris
541	U	0	3	8		K	S	0	1	T	0	4				Includes Debris
542	U	0	3	9		K	S	0	1	T	0	4				Includes Debris
543	U	0	4	1		K	S	0	1	T	0	4				Includes Debris
544	U	0	4	2		K	S	0	1	T	0	4				Includes Debris
545	U	0	4	3		K	S	0	1	T	0	4				Includes Debris
546	U	0	4	4		K	S	0	1	T	0	4				Includes Debris
547	U	0	4	5		K	S	0	1	T	0	4				Includes Debris
548	U	0	4	6		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

Continuation of Section XIV. Description of Dangerous Waste

Line Number	A. Dangerous Waste No. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Process									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
549	U	0	4	7		K	S	0	1	T	0	4				Includes Debris
550	U	0	4	8		K	S	0	1	T	0	4				Includes Debris
551	U	0	4	9		K	S	0	1	T	0	4				Includes Debris
552	U	0	5	0		K	S	0	1	T	0	4				Includes Debris
553	U	0	5	1		K	S	0	1	T	0	4				Includes Debris
554	U	0	5	2		K	S	0	1	T	0	4				Includes Debris
555	U	0	5	3		K	S	0	1	T	0	4				Includes Debris
556	U	0	5	5		K	S	0	1	T	0	4				Includes Debris
557	U	0	5	6		K	S	0	1	T	0	4				Includes Debris
558	U	0	5	7		K	S	0	1	T	0	4				Includes Debris
559	U	0	5	8		K	S	0	1	T	0	4				Includes Debris
560	U	0	5	9		K	S	0	1	T	0	4				Includes Debris
561	U	0	6	0		K	S	0	1	T	0	4				Includes Debris
562	U	0	6	1		K	S	0	1	T	0	4				Includes Debris
563	U	0	6	2		K	S	0	1	T	0	4				Includes Debris
564	U	0	6	3		K	S	0	1	T	0	4				Includes Debris
565	U	0	6	4		K	S	0	1	T	0	4				Includes Debris
566	U	0	6	6		K	S	0	1	T	0	4				Includes Debris
567	U	0	6	7		K	S	0	1	T	0	4				Includes Debris
568	U	0	6	8		K	S	0	1	T	0	4				Includes Debris
569	U	0	6	9		K	S	0	1	T	0	4				Includes Debris
570	U	0	7	0		K	S	0	1	T	0	4				Includes Debris
571	U	0	7	1		K	S	0	1	T	0	4				Includes Debris
572	U	0	7	2		K	S	0	1	T	0	4				Includes Debris
573	U	0	7	3		K	S	0	1	T	0	4				Includes Debris
574	U	0	7	4		K	S	0	1	T	0	4				Includes Debris
575	U	0	7	5		K	S	0	1	T	0	4				Includes Debris
576	U	0	7	6		K	S	0	1	T	0	4				Includes Debris
577	U	0	7	7		K	S	0	1	T	0	4				Includes Debris
578	U	0	7	8		K	S	0	1	T	0	4				Includes Debris
579	U	0	7	9		K	S	0	1	T	0	4				Includes Debris
580	U	0	8	0		K	S	0	1	T	0	4				Includes Debris
581	U	0	8	1		K	S	0	1	T	0	4				Includes Debris
582	U	0	8	2		K	S	0	1	T	0	4				Includes Debris
583	U	0	8	3		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

Continuation of Section XIV. Description of Dangerous Waste

Line Number	A. Dangerous Waste No. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Process									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
584	U	0	8	4		K	S	0	1	T	0	4				Includes Debris
585	U	0	8	5		K	S	0	1	T	0	4				Includes Debris
586	U	0	8	6		K	S	0	1	T	0	4				Includes Debris
587	U	0	8	7		K	S	0	1	T	0	4				Includes Debris
588	U	0	8	8		K	S	0	1	T	0	4				Includes Debris
589	U	0	8	9		K	S	0	1	T	0	4				Includes Debris
590	U	0	9	0		K	S	0	1	T	0	4				Includes Debris
591	U	0	9	1		K	S	0	1	T	0	4				Includes Debris
592	U	0	9	2		K	S	0	1	T	0	4				Includes Debris
593	U	0	9	3		K	S	0	1	T	0	4				Includes Debris
594	U	0	9	4		K	S	0	1	T	0	4				Includes Debris
595	U	0	9	5		K	S	0	1	T	0	4				Includes Debris
596	U	0	9	6		K	S	0	1	T	0	4				Includes Debris
597	U	0	9	7		K	S	0	1	T	0	4				Includes Debris
598	U	0	9	8		K	S	0	1	T	0	4				Includes Debris
599	U	0	9	9		K	S	0	1	T	0	4				Includes Debris
600	U	1	0	1		K	S	0	1	T	0	4				Includes Debris
601	U	1	0	2		K	S	0	1	T	0	4				Includes Debris
602	U	1	0	3		K	S	0	1	T	0	4				Includes Debris
603	U	1	0	5		K	S	0	1	T	0	4				Includes Debris
604	U	1	0	6		K	S	0	1	T	0	4				Includes Debris
605	U	1	0	7		K	S	0	1	T	0	4				Includes Debris
606	U	1	0	8		K	S	0	1	T	0	4				Includes Debris
607	U	1	0	9		K	S	0	1	T	0	4				Includes Debris
608	U	1	1	0		K	S	0	1	T	0	4				Includes Debris
609	U	1	1	1		K	S	0	1	T	0	4				Includes Debris
610	U	1	1	2		K	S	0	1	T	0	4				Includes Debris
611	U	1	1	3		K	S	0	1	T	0	4				Includes Debris
612	U	1	1	4		K	S	0	1	T	0	4				Includes Debris
613	U	1	1	5		K	S	0	1	T	0	4				Includes Debris
614	U	1	1	6		K	S	0	1	T	0	4				Includes Debris
615	U	1	1	7		K	S	0	1	T	0	4				Includes Debris
616	U	1	1	8		K	S	0	1	T	0	4				Includes Debris
617	U	1	1	9		K	S	0	1	T	0	4				Includes Debris
618	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

Continuation of Section XIV. Description of Dangerous Waste

Line Number	A. Dangerous Waste No. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Process									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
619	U	1	2	1		K	S	0	1	T	0	4				Includes Debris
620	U	1	2	2		K	S	0	1	T	0	4				Includes Debris
621	U	1	2	3		K	S	0	1	T	0	4				Includes Debris
622	U	1	2	4		K	S	0	1	T	0	4				Includes Debris
623	U	1	2	5		K	S	0	1	T	0	4				Includes Debris
624	U	1	2	6		K	S	0	1	T	0	4				Includes Debris
625	U	1	2	7		K	S	0	1	T	0	4				Includes Debris
626	U	1	2	8		K	S	0	1	T	0	4				Includes Debris
627	U	1	2	9		K	S	0	1	T	0	4				Includes Debris
628	U	1	3	0		K	S	0	1	T	0	4				Includes Debris
629	U	1	3	1		K	S	0	1	T	0	4				Includes Debris
630	U	1	3	2		K	S	0	1	T	0	4				Includes Debris
631	U	1	3	3		K	S	0	1	T	0	4				Includes Debris
632	U	1	3	4		K	S	0	1	T	0	4				Includes Debris
633	U	1	3	5		K	S	0	1	T	0	4				Includes Debris
634	U	1	3	6		K	S	0	1	T	0	4				Includes Debris
635	U	1	3	7		K	S	0	1	T	0	4				Includes Debris
636	U	1	3	8		K	S	0	1	T	0	4				Includes Debris
637	U	1	4	0		K	S	0	1	T	0	4				Includes Debris
638	U	1	4	1		K	S	0	1	T	0	4				Includes Debris
639	U	1	4	2		K	S	0	1	T	0	4				Includes Debris
640	U	1	4	3		K	S	0	1	T	0	4				Includes Debris
641	U	1	4	4		K	S	0	1	T	0	4				Includes Debris
642	U	1	4	5		K	S	0	1	T	0	4				Includes Debris
643	U	1	4	6		K	S	0	1	T	0	4				Includes Debris
644	U	1	4	7		K	S	0	1	T	0	4				Includes Debris
645	U	1	4	8		K	S	0	1	T	0	4				Includes Debris
646	U	1	4	9		K	S	0	1	T	0	4				Includes Debris
647	U	1	5	0		K	S	0	1	T	0	4				Includes Debris
648	U	1	5	1		K	S	0	1	T	0	4				Includes Debris
649	U	1	5	2		K	S	0	1	T	0	4				Includes Debris
650	U	1	5	3		K	S	0	1	T	0	4				Includes Debris
651	U	1	5	4		K	S	0	1	T	0	4				Includes Debris
652	U	1	5	5		K	S	0	1	T	0	4				Includes Debris
653	U	1	5	6		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

Continuation of Section XIV. Description of Dangerous Waste

Line Number	A. Dangerous Waste No. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Process									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
654	U	1	5	7		K	S	0	1	T	0	4				Includes Debris
655	U	1	5	8		K	S	0	1	T	0	4				Includes Debris
656	U	1	5	9		K	S	0	1	T	0	4				Includes Debris
657	U	1	6	0		K	S	0	1	T	0	4				Includes Debris
658	U	1	6	1		K	S	0	1	T	0	4				Includes Debris
659	U	1	6	2		K	S	0	1	T	0	4				Includes Debris
660	U	1	6	3		K	S	0	1	T	0	4				Includes Debris
661	U	1	6	4		K	S	0	1	T	0	4				Includes Debris
662	U	1	6	5		K	S	0	1	T	0	4				Includes Debris
663	U	1	6	6		K	S	0	1	T	0	4				Includes Debris
664	U	1	6	7		K	S	0	1	T	0	4				Includes Debris
665	U	1	6	8		K	S	0	1	T	0	4				Includes Debris
666	U	1	6	9		K	S	0	1	T	0	4				Includes Debris
667	U	1	7	0		K	S	0	1	T	0	4				Includes Debris
668	U	1	7	1		K	S	0	1	T	0	4				Includes Debris
669	U	1	7	2		K	S	0	1	T	0	4				Includes Debris
670	U	1	7	3		K	S	0	1	T	0	4				Includes Debris
671	U	1	7	4		K	S	0	1	T	0	4				Includes Debris
672	U	1	7	6		K	S	0	1	T	0	4				Includes Debris
673	U	1	7	7		K	S	0	1	T	0	4				Includes Debris
674	U	1	7	8		K	S	0	1	T	0	4				Includes Debris
675	U	1	7	9		K	S	0	1	T	0	4				Includes Debris
676	U	1	8	0		K	S	0	1	T	0	4				Includes Debris
677	U	1	8	1		K	S	0	1	T	0	4				Includes Debris
678	U	1	8	2		K	S	0	1	T	0	4				Includes Debris
679	U	1	8	3		K	S	0	1	T	0	4				Includes Debris
680	U	1	8	4		K	S	0	1	T	0	4				Includes Debris
681	U	1	8	5		K	S	0	1	T	0	4				Includes Debris
682	U	1	8	6		K	S	0	1	T	0	4				Includes Debris
683	U	1	8	7		K	S	0	1	T	0	4				Includes Debris
684	U	1	8	8		K	S	0	1	T	0	4				Includes Debris
685	U	1	8	9		K	S	0	1	T	0	4				Includes Debris
686	U	1	9	0		K	S	0	1	T	0	4				Includes Debris
687	U	1	9	1		K	S	0	1	T	0	4				Includes Debris
688	U	1	9	2		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

Continuation of Section XIV. Description of Dangerous Waste

Line Number	A. Dangerous Waste No. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Process									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
689	U	1	9	3		K	S	0	1	T	0	4				Includes Debris
690	U	1	9	4		K	S	0	1	T	0	4				Includes Debris
691	U	1	9	6		K	S	0	1	T	0	4				Includes Debris
692	U	1	9	7		K	S	0	1	T	0	4				Includes Debris
693	U	2	0	0		K	S	0	1	T	0	4				Includes Debris
694	U	2	0	1		K	S	0	1	T	0	4				Includes Debris
695	U	2	0	2		K	S	0	1	T	0	4				Includes Debris
696	U	2	0	3		K	S	0	1	T	0	4				Includes Debris
697	U	2	0	4		K	S	0	1	T	0	4				Includes Debris
698	U	2	0	5		K	S	0	1	T	0	4				Includes Debris
699	U	2	0	6		K	S	0	1	T	0	4				Includes Debris
700	U	2	0	7		K	S	0	1	T	0	4				Includes Debris
701	U	2	0	8		K	S	0	1	T	0	4				Includes Debris
702	U	2	0	9		K	S	0	1	T	0	4				Includes Debris
703	U	2	1	0		K	S	0	1	T	0	4				Includes Debris
704	U	2	1	1		K	S	0	1	T	0	4				Includes Debris
705	U	2	1	3		K	S	0	1	T	0	4				Includes Debris
706	U	2	1	4		K	S	0	1	T	0	4				Includes Debris
707	U	2	1	5		K	S	0	1	T	0	4				Includes Debris
708	U	2	1	6		K	S	0	1	T	0	4				Includes Debris
709	U	2	1	7		K	S	0	1	T	0	4				Includes Debris
710	U	2	1	8		K	S	0	1	T	0	4				Includes Debris
711	U	2	1	9		K	S	0	1	T	0	4				Includes Debris
712	U	2	2	0		K	S	0	1	T	0	4				Includes Debris
713	U	2	2	1		K	S	0	1	T	0	4				Includes Debris
714	U	2	2	2		K	S	0	1	T	0	4				Includes Debris
715	U	2	2	3		K	S	0	1	T	0	4				Includes Debris
716	U	2	2	5		K	S	0	1	T	0	4				Includes Debris
717	U	2	2	6		K	S	0	1	T	0	4				Includes Debris
718	U	2	2	7		K	S	0	1	T	0	4				Includes Debris
719	U	2	2	8		K	S	0	1	T	0	4				Includes Debris
720	U	2	3	1		K	S	0	1	T	0	4				Includes Debris
721	U	2	3	2		K	S	0	1	T	0	4				Includes Debris
722	U	2	3	3		K	S	0	1	T	0	4				Includes Debris
723	U	2	3	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

Continuation of Section XIV. Description of Dangerous Waste

Line Number	A. Dangerous Waste No. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Process									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
724	U	2	3	5		K	S	0	1	T	0	4				Includes Debris
725	U	2	3	6		K	S	0	1	T	0	4				Includes Debris
726	U	2	3	7		K	S	0	1	T	0	4				Includes Debris
727	U	2	3	8		K	S	0	1	T	0	4				Includes Debris
728	U	2	3	9		K	S	0	1	T	0	4				Includes Debris
729	U	2	4	0		K	S	0	1	T	0	4				Includes Debris
730	U	2	4	3		K	S	0	1	T	0	4				Includes Debris
731	U	2	4	4		K	S	0	1	T	0	4				Includes Debris
732	U	2	4	6		K	S	0	1	T	0	4				Includes Debris
733	U	2	4	7		K	S	0	1	T	0	4				Includes Debris
734	U	2	4	8		K	S	0	1	T	0	4				Includes Debris
735	U	2	4	9		K	S	0	1	T	0	4				Includes Debris
736	U	2	7	1		K	S	0	1	T	0	4				Includes Debris
737	U	2	7	8		K	S	0	1	T	0	4				Includes Debris
738	U	2	7	9		K	S	0	1	T	0	4				Includes Debris
739	U	2	8	0		K	S	0	1	T	0	4				Includes Debris
740	U	3	2	8		K	S	0	1	T	0	4				Includes Debris
741	U	3	5	3		K	S	0	1	T	0	4				Includes Debris
742	U	3	5	9		K	S	0	1	T	0	4				Includes Debris
743	U	3	6	4		K	S	0	1	T	0	4				Includes Debris
744	U	3	6	7		K	S	0	1	T	0	4				Includes Debris
745	U	3	7	2		K	S	0	1	T	0	4				Includes Debris
746	U	3	7	3		K	S	0	1	T	0	4				Includes Debris
747	U	3	7	5		K	S	0	1	T	0	4				Includes Debris
748	U	3	8	1		K	S	0	1	T	0	4				Includes Debris
749	U	3	8	2		K	S	0	1	T	0	4				Includes Debris
750	U	3	8	3		K	S	0	1	T	0	4				Includes Debris
751	U	3	8	4		K	S	0	1	T	0	4				Includes Debris
752	U	3	8	5		K	S	0	1	T	0	4				Includes Debris
753	U	3	8	6		K	S	0	1	T	0	4				Includes Debris
754	U	3	8	7		K	S	0	1	T	0	4				Includes Debris
755	U	3	8	9		K	S	0	1	T	0	4				Includes Debris
756	U	3	9	4		K	S	0	1	T	0	4				Includes Debris
757	U	3	9	5		K	S	0	1	T	0	4				Includes Debris
758	U	4	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

Continuation of Section XIV. Description of Dangerous Waste

Line Number	A. Dangerous Waste No. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Process									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
759	U	4	0	2		K	S	0	1	T	0	4				Includes Debris
760	U	4	0	3		K	S	0	1	T	0	4				Includes Debris
761	U	4	0	4		K	S	0	1	T	0	4				Includes Debris
762	U	4	0	7		K	S	0	1	T	0	4				Includes Debris
763	U	4	0	9		K	S	0	1	T	0	4				Includes Debris
764	U	4	1	0		K	S	0	1	T	0	4				Includes Debris
765	U	4	1	1		K	S	0	1	T	0	4				Includes Debris
766	P	0	0	1		K	S	0	1	T	0	4				Includes Debris
767	P	0	0	2		K	S	0	1	T	0	4				Includes Debris
768	P	0	0	3		K	S	0	1	T	0	4				Includes Debris
769	P	0	0	4		K	S	0	1	T	0	4				Includes Debris
770	P	0	0	5		K	S	0	1	T	0	4				Includes Debris
771	P	0	0	6		K	S	0	1	T	0	4				Includes Debris
772	P	0	0	7		K	S	0	1	T	0	4				Includes Debris
773	P	0	0	8		K	S	0	1	T	0	4				Includes Debris
774	P	0	0	9		K	S	0	1	T	0	4				Includes Debris
775	P	0	1	0		K	S	0	1	T	0	4				Includes Debris
776	P	0	1	1		K	S	0	1	T	0	4				Includes Debris
777	P	0	1	2		K	S	0	1	T	0	4				Includes Debris
778	P	0	1	3		K	S	0	1	T	0	4				Includes Debris
779	P	0	1	4		K	S	0	1	T	0	4				Includes Debris
780	P	0	1	5		K	S	0	1	T	0	4				Includes Debris
781	P	0	1	6		K	S	0	1	T	0	4				Includes Debris
782	P	0	1	7		K	S	0	1	T	0	4				Includes Debris
783	P	0	1	8		K	S	0	1	T	0	4				Includes Debris
784	P	0	2	0		K	S	0	1	T	0	4				Includes Debris
785	P	0	2	1		K	S	0	1	T	0	4				Includes Debris
786	P	0	2	2		K	S	0	1	T	0	4				Includes Debris
787	P	0	2	3		K	S	0	1	T	0	4				Includes Debris
788	P	0	2	4		K	S	0	1	T	0	4				Includes Debris
789	P	0	2	6		K	S	0	1	T	0	4				Includes Debris
790	P	0	2	7		K	S	0	1	T	0	4				Includes Debris
791	P	0	2	8		K	S	0	1	T	0	4				Includes Debris
792	P	0	2	9		K	S	0	1	T	0	4				Includes Debris
793	P	0	3	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

Continuation of Section XIV. Description of Dangerous Waste

Line Number	A. Dangerous Waste No. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Process									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
794	P	0	3	1		K	S	0	1	T	0	4				Includes Debris
795	P	0	3	3		K	S	0	1	T	0	4				Includes Debris
796	P	0	3	4		K	S	0	1	T	0	4				Includes Debris
797	P	0	3	6		K	S	0	1	T	0	4				Includes Debris
798	P	0	3	7		K	S	0	1	T	0	4				Includes Debris
799	P	0	3	8		K	S	0	1	T	0	4				Includes Debris
800	P	0	3	9		K	S	0	1	T	0	4				Includes Debris
801	P	0	4	0		K	S	0	1	T	0	4				Includes Debris
802	P	0	4	1		K	S	0	1	T	0	4				Includes Debris
803	P	0	4	2		K	S	0	1	T	0	4				Includes Debris
804	P	0	4	3		K	S	0	1	T	0	4				Includes Debris
805	P	0	4	4		K	S	0	1	T	0	4				Includes Debris
806	P	0	4	5		K	S	0	1	T	0	4				Includes Debris
807	P	0	4	6		K	S	0	1	T	0	4				Includes Debris
808	P	0	4	7		K	S	0	1	T	0	4				Includes Debris
809	P	0	4	8		K	S	0	1	T	0	4				Includes Debris
810	P	0	4	9		K	S	0	1	T	0	4				Includes Debris
811	P	0	5	0		K	S	0	1	T	0	4				Includes Debris
812	P	0	5	1		K	S	0	1	T	0	4				Includes Debris
813	P	0	5	4		K	S	0	1	T	0	4				Includes Debris
814	P	0	5	6		K	S	0	1	T	0	4				Includes Debris
815	P	0	5	7		K	S	0	1	T	0	4				Includes Debris
816	P	0	5	8		K	S	0	1	T	0	4				Includes Debris
817	P	0	5	9		K	S	0	1	T	0	4				Includes Debris
818	P	0	6	0		K	S	0	1	T	0	4				Includes Debris
819	P	0	6	2		K	S	0	1	T	0	4				Includes Debris
820	P	0	6	3		K	S	0	1	T	0	4				Includes Debris
821	P	0	6	4		K	S	0	1	T	0	4				Includes Debris
822	P	0	6	5		K	S	0	1	T	0	4				Includes Debris
823	P	0	6	6		K	S	0	1	T	0	4				Includes Debris
824	P	0	6	7		K	S	0	1	T	0	4				Includes Debris
825	P	0	6	8		K	S	0	1	T	0	4				Includes Debris
826	P	0	6	9		K	S	0	1	T	0	4				Includes Debris
827	P	0	7	0		K	S	0	1	T	0	4				Includes Debris
828	P	0	7	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

Continuation of Section XIV. Description of Dangerous Waste

Line Number	A. Dangerous Waste No. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Process									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
829	P	0	7	2		K	S	0	1	T	0	4				Includes Debris
830	P	0	7	3		K	S	0	1	T	0	4				Includes Debris
831	P	0	7	4		K	S	0	1	T	0	4				Includes Debris
832	P	0	7	5		K	S	0	1	T	0	4				Includes Debris
833	P	0	7	6		K	S	0	1	T	0	4				Includes Debris
834	P	0	7	7		K	S	0	1	T	0	4				Includes Debris
835	P	0	7	8		K	S	0	1	T	0	4				Includes Debris
836	P	0	8	1		K	S	0	1	T	0	4				Includes Debris
837	P	0	8	2		K	S	0	1	T	0	4				Includes Debris
838	P	0	8	4		K	S	0	1	T	0	4				Includes Debris
839	P	0	8	5		K	S	0	1	T	0	4				Includes Debris
840	P	0	8	7		K	S	0	1	T	0	4				Includes Debris
841	P	0	8	8		K	S	0	1	T	0	4				Includes Debris
842	P	0	8	9		K	S	0	1	T	0	4				Includes Debris
843	P	0	9	2		K	S	0	1	T	0	4				Includes Debris
844	P	0	9	3		K	S	0	1	T	0	4				Includes Debris
845	P	0	9	4		K	S	0	1	T	0	4				Includes Debris
846	P	0	9	5		K	S	0	1	T	0	4				Includes Debris
847	P	0	9	6		K	S	0	1	T	0	4				Includes Debris
848	P	0	9	7		K	S	0	1	T	0	4				Includes Debris
849	P	0	9	8		K	S	0	1	T	0	4				Includes Debris
850	P	0	9	9		K	S	0	1	T	0	4				Includes Debris
851	P	1	0	1		K	S	0	1	T	0	4				Includes Debris
852	P	1	0	2		K	S	0	1	T	0	4				Includes Debris
853	P	1	0	3		K	S	0	1	T	0	4				Includes Debris
854	P	1	0	4		K	S	0	1	T	0	4				Includes Debris
855	P	1	0	5		K	S	0	1	T	0	4				Includes Debris
856	P	1	0	6		K	S	0	1	T	0	4				Includes Debris
857	P	1	0	8		K	S	0	1	T	0	4				Includes Debris
858	P	1	0	9		K	S	0	1	T	0	4				Includes Debris
859	P	1	1	0		K	S	0	1	T	0	4				Includes Debris
860	P	1	1	1		K	S	0	1	T	0	4				Includes Debris
861	P	1	1	2		K	S	0	1	T	0	4				Includes Debris
862	P	1	1	3		K	S	0	1	T	0	4				Includes Debris
863	P	1	1	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

Continuation of Section XIV. Description of Dangerous Waste

Line Number	A. Dangerous Waste No. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Process									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
864	P	1	1	5		K	S	0	1	T	0	4				Includes Debris
865	P	1	1	6		K	S	0	1	T	0	4				Includes Debris
866	P	1	1	8		K	S	0	1	T	0	4				Includes Debris
867	P	1	1	9		K	S	0	1	T	0	4				Includes Debris
868	P	1	2	0		K	S	0	1	T	0	4				Includes Debris
869	P	1	2	1		K	S	0	1	T	0	4				Includes Debris
870	P	1	2	2		K	S	0	1	T	0	4				Includes Debris
871	P	1	2	3		K	S	0	1	T	0	4				Includes Debris
872	P	1	2	7		K	S	0	1	T	0	4				Includes Debris
873	P	1	2	8		K	S	0	1	T	0	4				Includes Debris
874	P	1	8	5		K	S	0	1	T	0	4				Includes Debris
875	P	1	8	8		K	S	0	1	T	0	4				Includes Debris
876	P	1	8	9		K	S	0	1	T	0	4				Includes Debris
877	P	1	9	0		K	S	0	1	T	0	4				Includes Debris
878	P	1	9	1		K	S	0	1	T	0	4				Includes Debris
879	P	1	9	2		K	S	0	1	T	0	4				Includes Debris
880	P	1	9	4		K	S	0	1	T	0	4				Includes Debris
881	P	1	9	6		K	S	0	1	T	0	4				Includes Debris
882	P	1	9	7		K	S	0	1	T	0	4				Includes Debris
883	P	1	9	8		K	S	0	1	T	0	4				Includes Debris
884	P	1	9	9		K	S	0	1	T	0	4				Includes Debris
885	P	2	0	1		K	S	0	1	T	0	4				Includes Debris
886	P	2	0	2		K	S	0	1	T	0	4				Includes Debris
887	P	2	0	3		K	S	0	1	T	0	4				Includes Debris
888	P	2	0	4		K	S	0	1	T	0	4				Includes Debris
889	P	2	0	5		K	S	0	1	T	0	4				Includes Debris
890																
891																
892																
893																
894																
895																
896																
897																

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

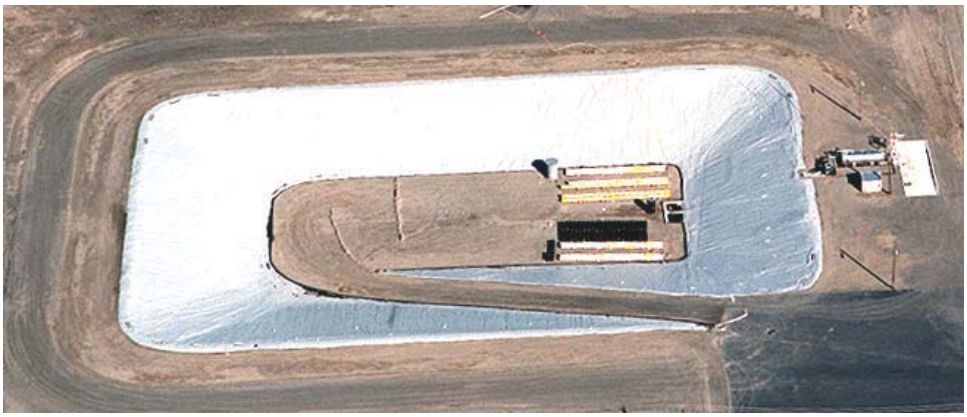
All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment, recycling, and disposal areas; and sites of future storage, treatment, recycling, or disposal areas (refer to Instructions for more detail).

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) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature**	**Date Signed** 1/22/2021
Co-Operator* Name and Official Title (type or print) Scott Sax, President and Project Manager Central Plateau Cleanup CompanyLLC	**Signature** SCOTT SAX (Affiliate) Digitally signed by SCOTT SAX (Affiliate) Date: 2021.01.19 17:18:19 -08'00'	**Date Signed**
Co-Operator – Address and Telephone Number* P.O. Box 1464 Richland, WA 99352 (509) 372-3845		
Facility-Property Owner Name and Official Title (type or print) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature**	**Date Signed** 1/22/2021

Comments
In Section IV, Facility Location is revised to update the facility location. In Section VI, Facility contact is revised to update the DOE-RL contact. In Section VII, Facility Operator Information is revised to update change in Co-Operator. In Section VIII, Facility Owner Information is revised to update facility owner name. In Section XVIII, "Certifications" is revised to update Operator Name, Co-Operator name, and Facility-Property Owner name. The two topographic maps, Trenches 31/34 and Trench 94, for the unit are updated to reflect the current mapping conventions. The changes in these sections and the topographic maps will be effective January 25, 2021. No other changes have been made to the Part A form sections. The certification is limited to the changes effective January 25, 2021.

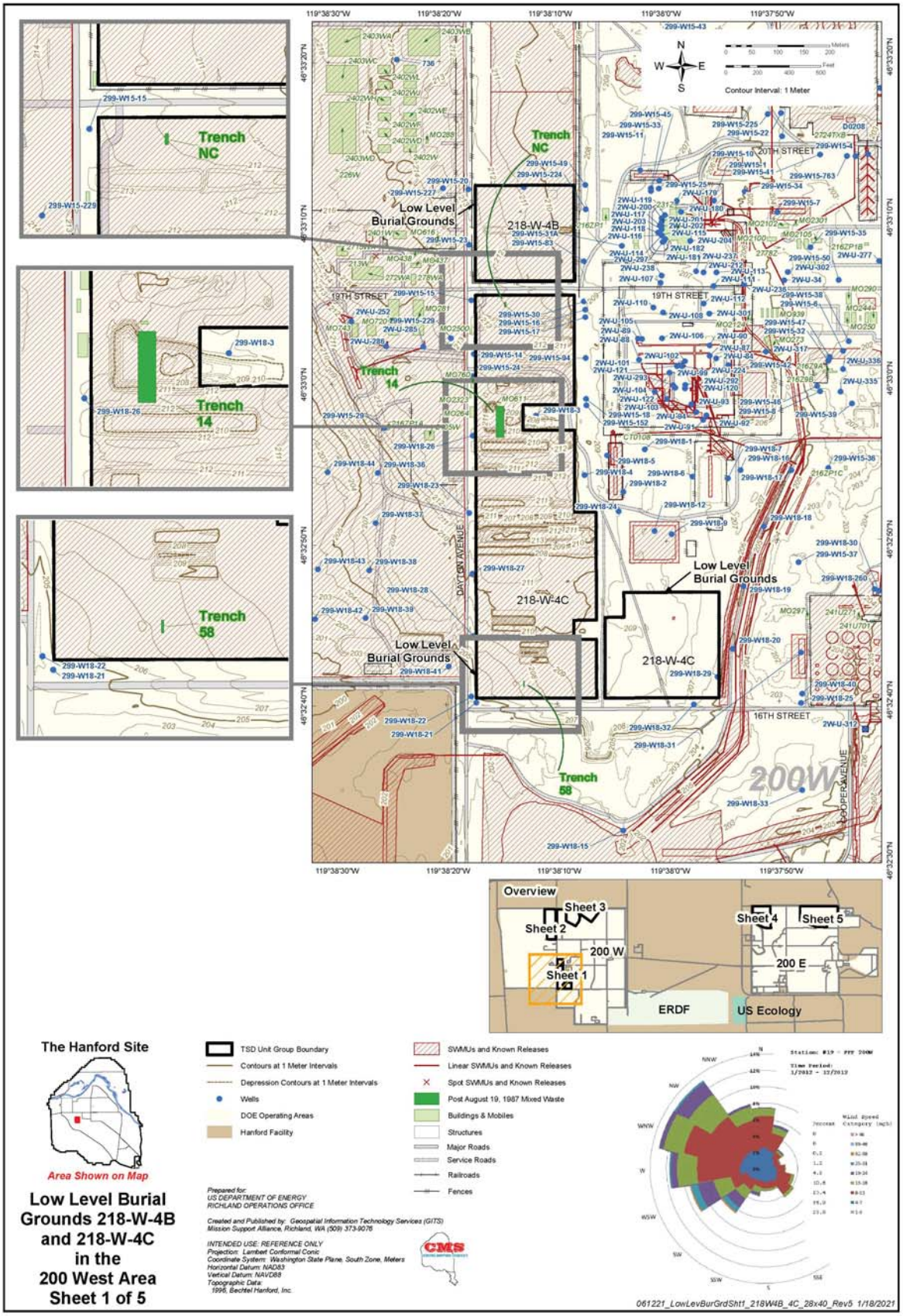


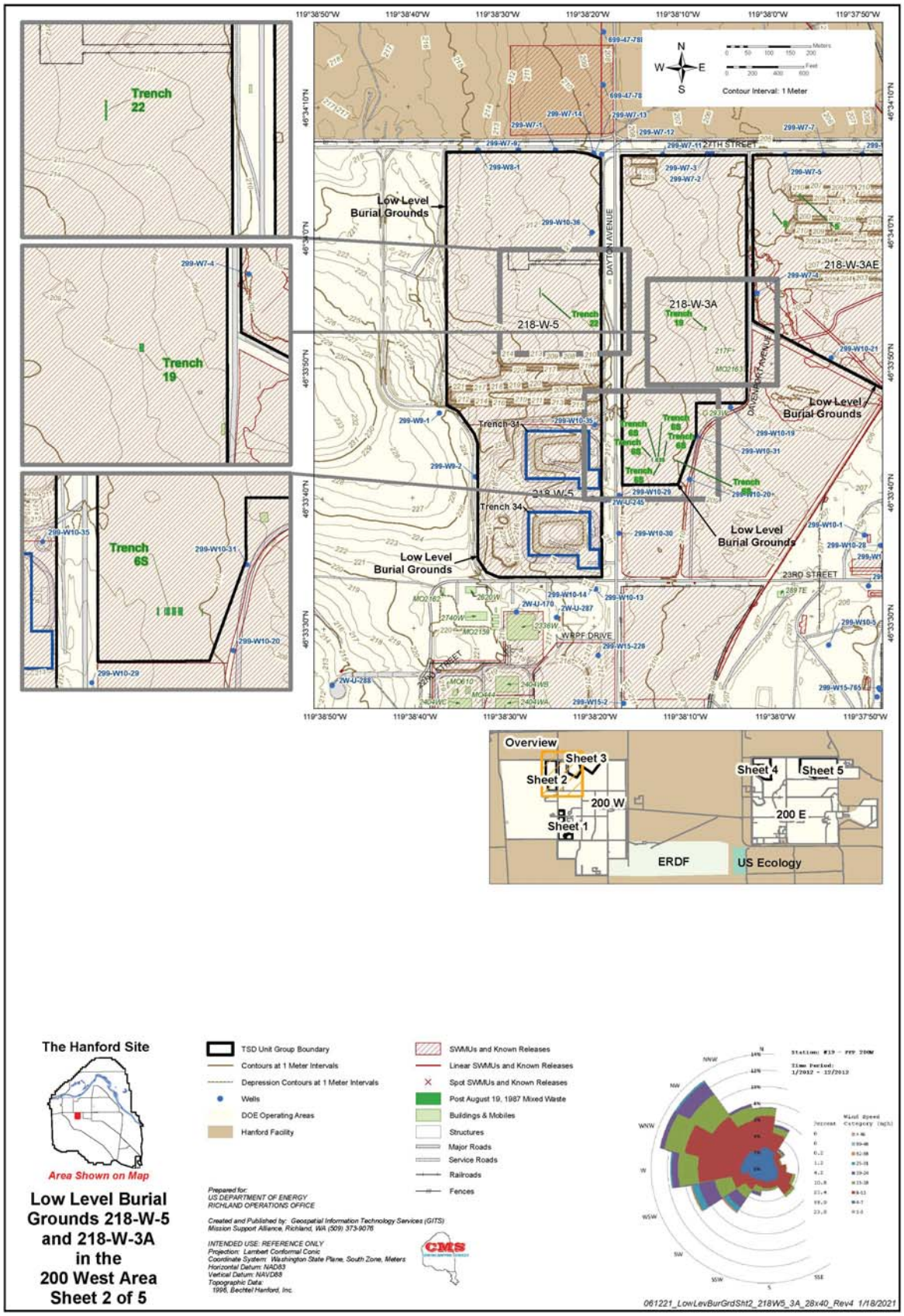
Lined Mixed Waste Trench, 218-W-5/200 West Area

98030102-22CN
Photo Taken 1998

Reactor Compartment, Trench 94

99110141-03CN
Photo Taken 1999


Trench NC
Low Level Burial Grounds
218-W-4B
Trench 14
Trench 58
218-W-4C
Low Level Burial Grounds
Low Level Burial Grounds
218-W-4C
Trench 58
Trench NC
19TH STREET
20TH STREET
16TH STREET
DAYTON AVENUE
COOPER AVENUE
200W
Contour Interval: 1 Meter
Overview
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
200 W
200 E
ERDF
US Ecology
The Hanford Site
Area Shown on Map
Low Level Burial Grounds 218-W-4B and 218-W-4C in the 200 West Area Sheet 1 of 5
TSD Unit Group Boundary
Contours at 1 Meter Intervals
Depression Contours at 1 Meter Intervals
Wells
DOE Operating Areas
Hanford Facility
SWMUs and Known Releases
Linear SWMUs and Known Releases
Spot SWMUs and Known Releases
Post August 19, 1987 Mixed Waste
Buildings & Mobiles
Structures
Major Roads
Service Roads
Railroads
Fences
Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
Created and Published by: Geospatial Information Technology Services (GITS)
Mission Support Alliance, Richland, WA (509) 373-9076
INTENDED USE: REFERENCE ONLY
Projection: Lambert Conformal Conic
Coordinate System: Washington State Plane, South Zone, Meters
Horizontal Datum: NAD83
Vertical Datum: NAVD88
Topographic Data:
1996, Bechtel Hanford, Inc.
061221_LowLevBurGrdSht1_218W4B_4C_28x40_Rev5 1/18/2021


Trench 22
Trench 19
Trench 6S
Low Level Burial Grounds
218-W-5
218-W-3A
218-W-3AE
Trench 31
Trench 34
DAYTON AVENUE
27TH STREET
23RD STREET
WRPF DRIVE
Contour Interval: 1 Meter
Overview
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
200 W
200 E
ERDF
US Ecology
The Hanford Site
Area Shown on Map
Low Level Burial Grounds 218-W-5 and 218-W-3A in the 200 West Area Sheet 2 of 5
TSD Unit Group Boundary
Contours at 1 Meter Intervals
Depression Contours at 1 Meter Intervals
Wells
DOE Operating Areas
Hanford Facility
SWMUs and Known Releases
Linear SWMUs and Known Releases
Spot SWMUs and Known Releases
Post August 19, 1987 Mixed Waste
Buildings & Mobiles
Structures
Major Roads
Service Roads
Railroads
Fences
Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
Created and Published by: Geospatial Information Technology Services (GITS)
Mission Support Alliance, Richland, WA (509) 373-9078
INTENDED USE: REFERENCE ONLY
Projection: Lambert Conformal Conic
Coordinate System: Washington State Plane, South Zone, Meters
Horizontal Datum: NAD83
Vertical Datum: NAVD88
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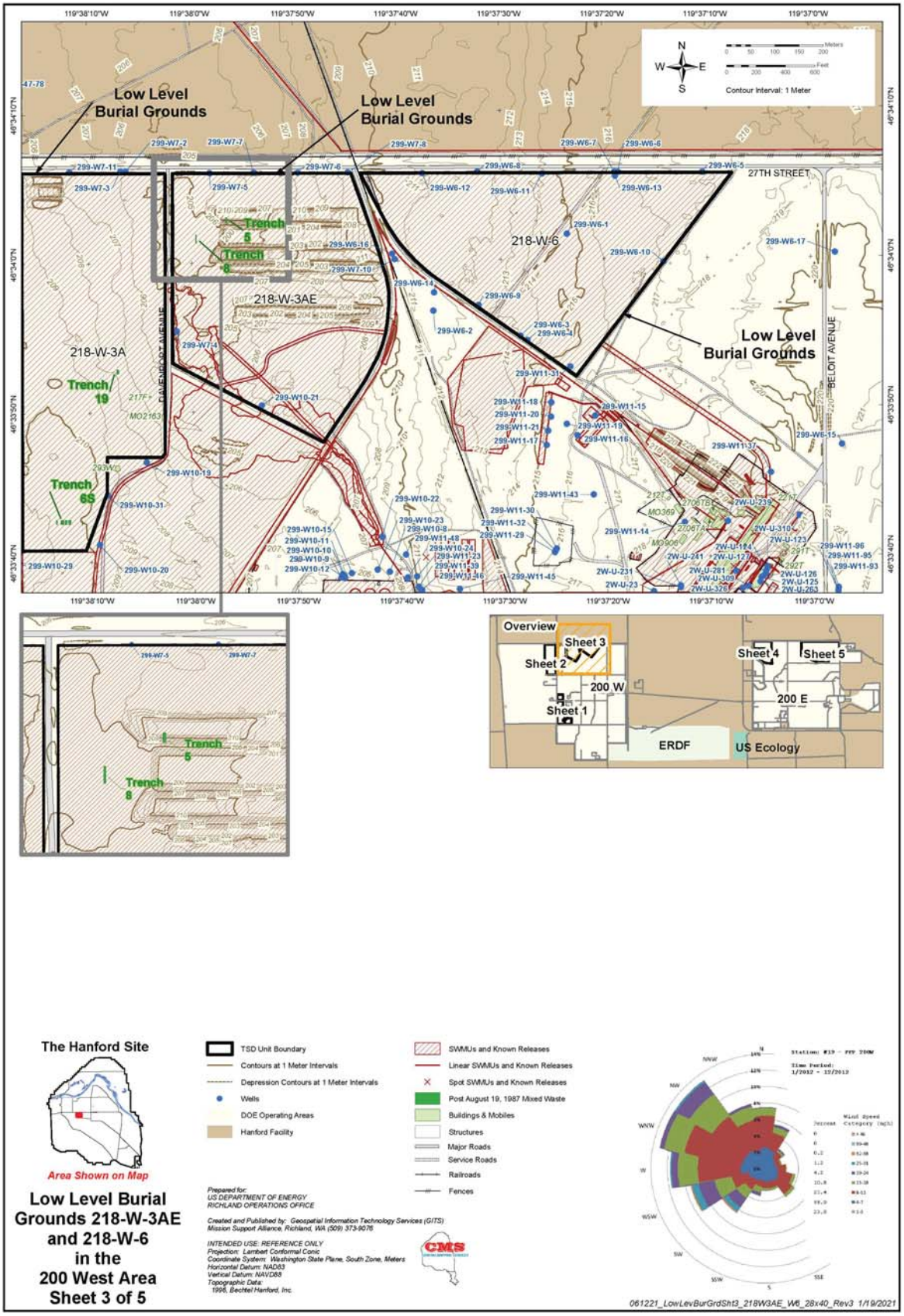
Low Level Burial Grounds
Low Level Burial Grounds
Low Level Burial Grounds
218-W-6
218-W-3AE
218-W-3A
Trench 5
Trench 8
Trench 19
Trench 6S
27TH STREET
DAVENPORT AVENUE
BELOIT AVENUE
Contour Interval: 1 Meter
Overview
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
200 W
200 E
ERDF
US Ecology
The Hanford Site
Area Shown on Map
Low Level Burial Grounds 218-W-3AE and 218-W-6 in the 200 West Area Sheet 3 of 5
TSD Unit Boundary
Contours at 1 Meter Intervals
Depression Contours at 1 Meter Intervals
Wells
DOE Operating Areas
Hanford Facility
SWMUs and Known Releases
Linear SWMUs and Known Releases
Spot SWMUs and Known Releases
Post August 19, 1987 Mixed Waste
Buildings & Mobiles
Structures
Major Roads
Service Roads
Railroads
Fences
Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
Created and Published by: Geospatial Information Technology Services (GITS)
Mission Support Alliance, Richland, WA (509) 373-9076
INTENDED USE: REFERENCE ONLY
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Coordinate System: Washington State Plane, South Zone, Meters
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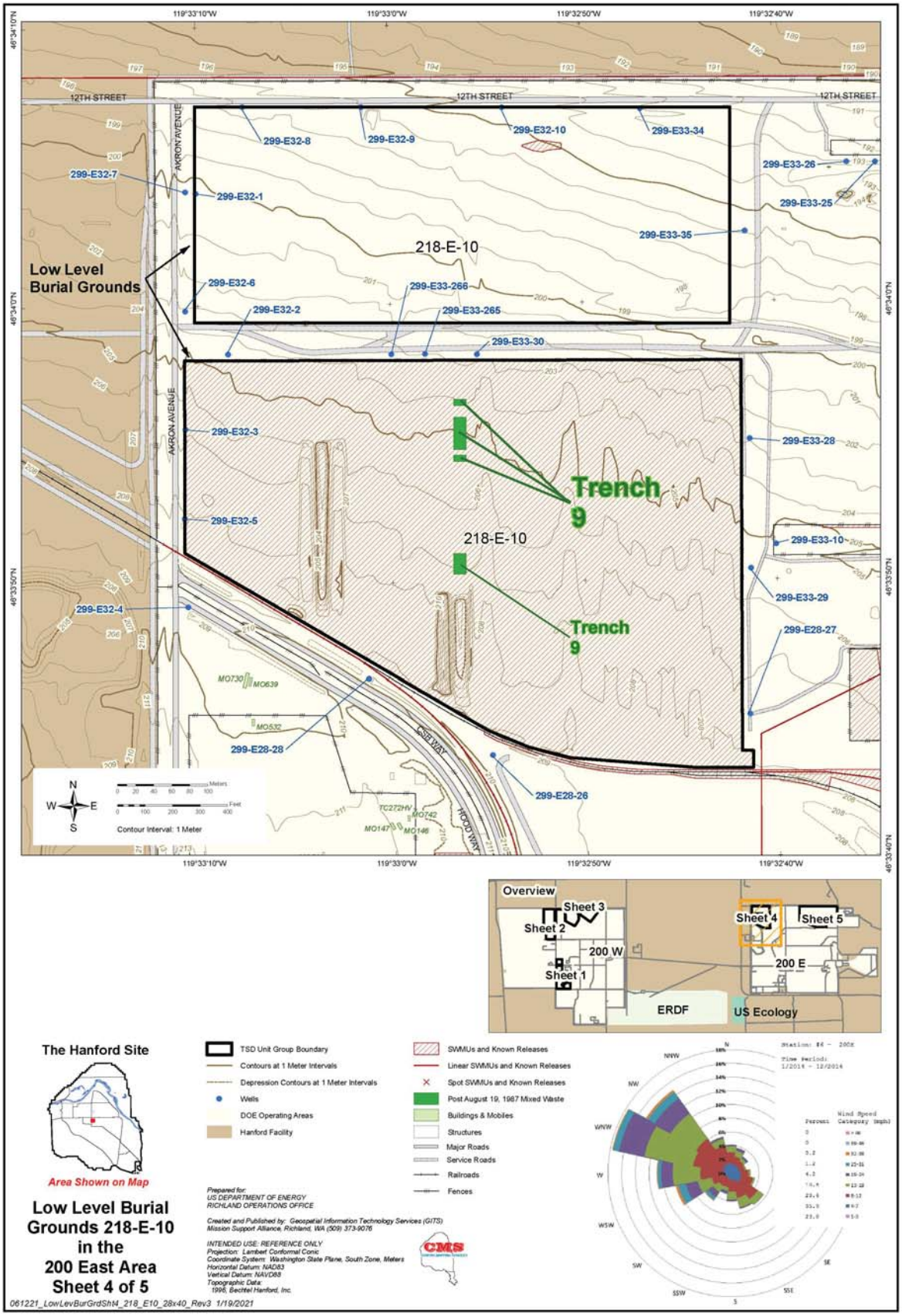
119°33'10"W
119°33'0"W
119°32'50"W
119°32'40"W
46°34'10"N
46°34'0"N
46°33'50"N
46°33'40"N
12TH STREET
AKRON AVENUE
299-E32-8
299-E32-9
299-E32-10
299-E33-34
299-E33-26
299-E33-25
299-E32-7
299-E32-1
299-E33-35
218-E-10
Low Level
Burial Grounds
299-E32-6
299-E33-266
299-E32-2
299-E33-265
299-E33-30
299-E32-3
299-E33-28
Trench
9
299-E32-5
218-E-10
299-E33-10
299-E33-29
299-E32-4
Trench
9
299-E28-27
MO730
MO639
MO532
299-E28-28
299-E28-26
TC272HV
MO742
MO147
MO146
HOOD WAY
N
W
E
S
Meters
Feet
Contour Interval: 1 Meter
Overview
Sheet 3
Sheet 2
Sheet 1
200 W
Sheet 4
Sheet 5
200 E
ERDF
US Ecology
The Hanford Site
Area Shown on Map
Low Level Burial Grounds 218-E-10 in the 200 East Area Sheet 4 of 5
TSD Unit Group Boundary
Contours at 1 Meter Intervals
Depression Contours at 1 Meter Intervals
Wells
DOE Operating Areas
Hanford Facility
SWMUs and Known Releases
Linear SWMUs and Known Releases
Spot SWMUs and Known Releases
Post August 19, 1987 Mixed Waste
Buildings & Mobiles
Structures
Major Roads
Service Roads
Railroads
Fences
Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
Created and Published by: Geospatial Information Technology Services (GITS)
Mission Support Alliance, Richland, WA (509) 373-9076
INTENDED USE: REFERENCE ONLY
Projection: Lambert Conformal Conic
Coordinate System: Washington State Plane, South Zone, Meters
Horizontal Datum: NAD83
Vertical Datum: NAVD88
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CMS
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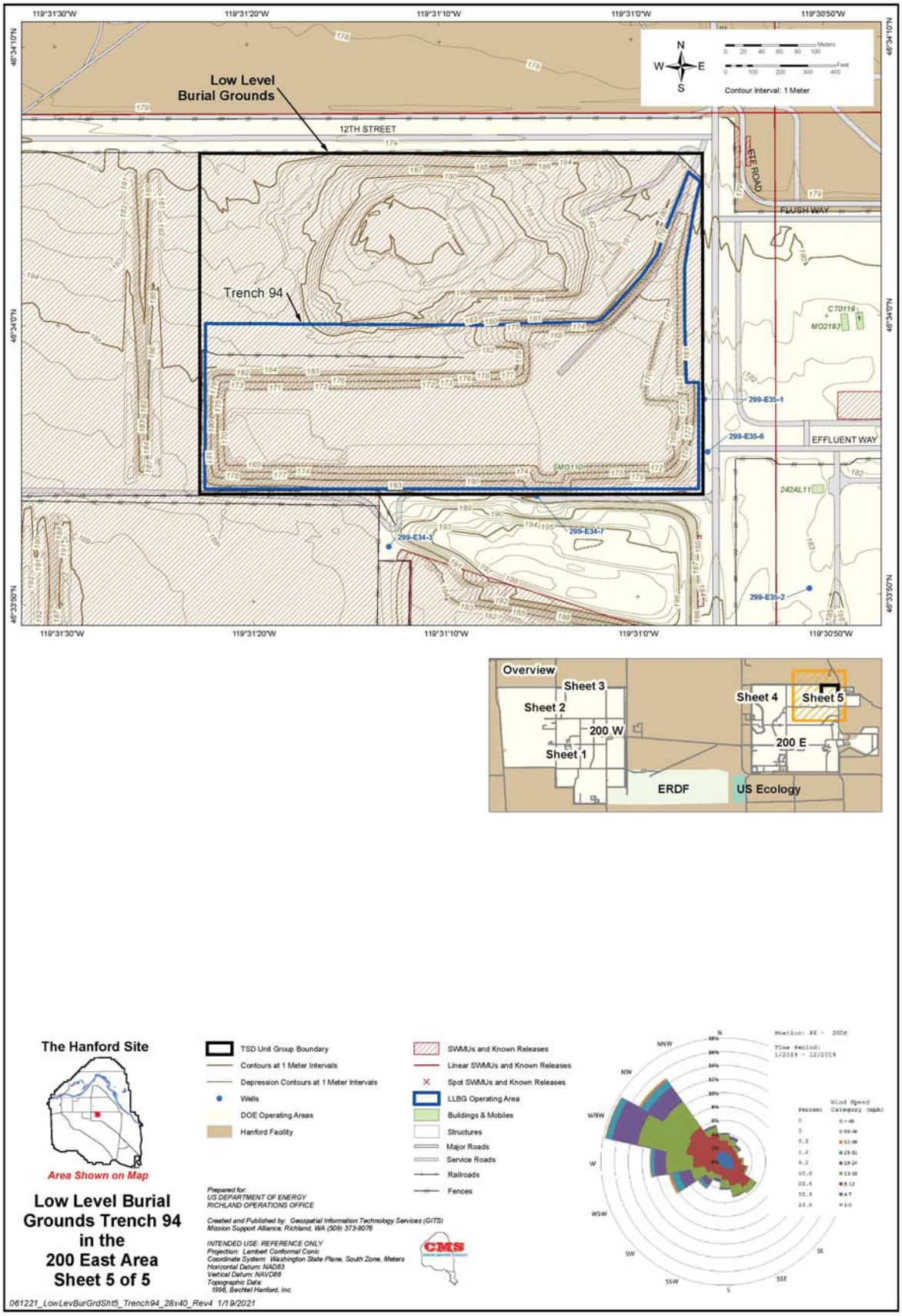
Low Level Burial Grounds
12TH STREET
Trench 94
Contour Interval: 1 Meter
ETF ROAD
FLUSH WAY
EFFLUENT WAY
299-E35-1
299-E35-6
299-E34-3
299-E34-7
299-E35-2
Overview
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
200 W
200 E
ERDF
US Ecology
The Hanford Site
Area Shown on Map
Low Level Burial Grounds Trench 94 in the 200 East Area Sheet 5 of 5
TSD Unit Group Boundary
Contours at 1 Meter Intervals
Depression Contours at 1 Meter Intervals
Wells
DOE Operating Areas
Hanford Facility
SWMUs and Known Releases
Linear SWMUs and Known Releases
Spot SWMUs and Known Releases
LLBG Operating Area
Buildings & Mobiles
Structures
Major Roads
Service Roads
Railroads
Fences
Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
Created and Published by: Geospatial Information Technology Services (GITS)
Mission Support Alliance, Richland, WA (509) 373-9076
INTENDED USE: REFERENCE ONLY
Projection: Lambert Conformal Conic
Coordinate System: Washington State Plane, South Zone, Meters
Horizontal Datum: NAD83
Vertical Datum: NAVD88
Topographic Data:
1996, Bechtel Hanford, Inc.
061221_LowLevBurGrdSht5_Trench94_28x40_Rev4 1/19/2021

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)

☐	**Request modification to a final status permit (commonly called a "Part B" permit)**
☒	**Request a change under interim status**
☐	**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).**
☐	**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

2440 Stevens Drive

City or Town	State	ZIP Code
Richland	WA	99354

County Code (if known)	County Name
0 0 5	Benton

B. Land Type	C. Geographic Location Latitude (degrees, mins, secs)	Longitude (degrees, mins, secs)	D. Facility Existence Date 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)**	
Vance	Brian	
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 Central Plateau Cleanup Company LLC Co-Operator for Nonradioactive Dangerous Waste Landfill *	(509) 376-7395 (509) 372-3845*
Street or P.O. Box	
P.O. Box 550 P.O. Box 1464*	

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?	☒ Yes ☐ No Co-Operator* change	
If yes, provide the scheduled date for the change:	**Month** 0 1	**Day** 2 5	**Year** 2 0 2 1
D. Is the name listed in VII.A. also the owner? If yes, skip to Section VIII.C.	☒ Yes ☐ No	

VIII. Facility Owner Information		
A. Name	**Phone Number (area code and number)**	
Brian T. Vance, 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?	☐ Yes ☒ No	
If yes, provide the scheduled date for the change:	**Month**	**Day**	**Year**

IX. NAICS Codes (5/6 digit codes)													
A. First							**B. Second**						
5	6	2	2	1		Waste Treatment & Disposal	9	2	4	1	1	0	Administration of Air & Water Resource & Solid Waste Management Programs
C. Third							**D. Fourth**						
5	4	1	7	1		Research & Development in the Physical, Engineering, & Life Sciences							

X. Other Environmental Permits (see instructions)

A. Permit Type	B. Permit Number	C. Description

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

The Nonradioactive Dangerous Waste Landfill (NRDWL) is located approximately 3.5 miles southeast of the 200 East Area. The NRDWL was used from January 1975 through May 1985.

The NRDWL provided disposal of dangerous waste generated from process operations, research and development laboratories, maintenance activities, and transportation functions located throughout the Hanford Site. The NRDWL is a 10 acre land disposal unit that consists of 19 unlined trenches (trenches 18N, 24, and 32 were not used for disposal) approximately 400 feet long, 16 feet wide at the base, and 15 feet deep. Six trenches (trenches 19N, 26, 28, 31, 33, and 34) were used for disposal of dangerous waste. Asbestos was disposed in nine trenches (trenches 2N, 20, 21, 22, 23, 25, 27, 29, and 30). Nonhazardous waste was disposed in Trench 1N. The dangerous waste trenches of NRDWL have a total design capacity of 5 acre-feet.

The quantities of waste identified in Section X.I.V, Description of Dangerous Waste represent the estimated total quantity of waste disposed in the NRDWL, rather than an annual estimate.

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

Section XII. Process Codes and Design Capacities								Section XIII. Other Process Codes								
Line Number		A. Process Codes (enter code)			B. Process Design Capacity		C. Process Total Number of Units	Line Number		A. Process Codes (enter code)			B Process Design Capacity		C. Process Total Number of Units	D. Process Description
					1. Amount	2. Unit of Measure (enter code)							1. Amount	2. Unit of Measure (enter code)		
X	1	S	0	2	1,600	G	002	X	1	T	0	4	700	C	001	In situ vitrification
X	2	T	0	3	20	E	001									
X	3	T	0	4	700	C	001									
	1	D	8	0	5	A	006		1							
	2								2							
	3								3							
	4								4							
	5								5							
	6								6							
	7								7							
	8								8							
	9								9							
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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	D	0	0	1	24,345	K	D	8	0							Includes Debris
2	D	0	0	2	13,433	K	D	8	0							Includes Debris
3	D	0	0	3	17,630	K	D	8	0							Includes Debris
4	D	0	0	4	1.5	K	D	8	0							Includes Debris
5	D	0	0	5	13	K	D	8	0							Includes Debris
6	D	0	0	6	933	K	D	8	0							Includes Debris
7	D	0	0	7	172	K	D	8	0							Includes Debris
8	D	0	0	8	120	K	D	8	0							Includes Debris
9	D	0	0	9	102	K	D	8	0							Includes Debris
10	D	0	1	0	30	K	D	8	0							Includes Debris
11	D	0	1	1	1	K	D	8	0							Includes Debris
12	D	0	1	8	305	K	D	8	0							Includes Debris
13	D	0	1	9	94	K	D	8	0							Includes Debris
14	D	0	2	2	31	K	D	8	0							Includes Debris
15	D	0	3	9	205	K	D	8	0							Includes Debris
16	D	0	4	0	631	K	D	8	0							Includes Debris
17	F	0	0	1	960	K	D	8	0							Includes Debris
18	F	0	0	2	86	K	D	8	0							Includes Debris
19	F	0	0	3	92	K	D	8	0							Includes Debris
20	F	0	0	4	8	K	D	8	0							Includes Debris
21	F	0	0	5	3,622	K	D	8	0							Includes Debris
22	U	0	0	1	4	K	D	8	0							Includes Debris
23	U	0	0	2	25	K	D	8	0							Includes Debris
24	U	0	0	3	5	K	D	8	0							Includes Debris
25	U	0	0	9	1	K	D	8	0							Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

Continuation of Section XIV. Description of Dangerous Waste

Line Number	A. Dangerous Waste No. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Process									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
26	U	0	1	2	11	K	D	8	0							Includes Debris
27	U	0	1	9	362	K	D	8	0							Includes Debris
28	U	0	2	2	180	K	D	8	0							Includes Debris
29	U	0	3	1	6	K	D	8	0							Includes Debris
30	U	0	4	4	45	K	D	8	0							Includes Debris
31	U	0	5	1	20	K	D	8	0							Includes Debris
32	U	0	5	3	1	K	D	8	0							Includes Debris
33	U	0	5	6	13	K	D	8	0							Includes Debris
34	U	0	6	9	3	K	D	8	0							Includes Debris
35	U	0	7	0	2	K	D	8	0							Includes Debris
36	U	0	7	7	10	K	D	8	0							Includes Debris
37	U	0	8	0	50	K	D	8	0							Includes Debris
38	U	0	9	2	6,800	K	D	8	0							Includes Debris
39	U	0	9	3	6	K	D	8	0							Includes Debris
40	U	0	0	7	120	K	D	8	0							Includes Debris
41	U	1	0	8	80	K	D	8	0							Includes Debris
42	U	1	1	7	15	K	D	8	0							Includes Debris
43	U	1	2	2	31	K	D	8	0							Includes Debris
44	U	1	2	3	82	K	D	8	0							Includes Debris
45	U	1	3	3	315	K	D	8	0							Includes Debris
46	U	1	3	4	39	K	D	8	0							Includes Debris
47	U	1	4	2	1	K	D	8	0							Includes Debris
48	U	1	4	4	9	K	D	8	0							Includes Debris
49	U	1	5	1	156	K	D	8	0							Includes Debris
50	U	1	5	4	21	K	D	8	0							Includes Debris
51	U	1	5	9	203	K	D	8	0							Includes Debris
52	U	1	6	1	10	K	D	8	0							Includes Debris
53	U	1	6	9	8	K	D	8	0							Includes Debris
54	U	1	8	8	3	K	D	8	0							Includes Debris
55	U	1	9	6	12	K	D	8	0							Includes Debris
56	U	2	0	1	1	K	D	8	0							Includes Debris
57	U	2	1	0	205	K	D	8	0							Includes Debris
58	U	2	1	1	94	K	D	8	0							Includes Debris
59	U	2	1	3	157	K	D	8	0							Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

Continuation of Section XIV. Description of Dangerous Waste

Line Number	A. Dangerous Waste No. (enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Process									
							(1) Process Codes (enter)									(2) Process Description [If a code is not entered in D (1)]
60	U	2	1	9	13	K	D	8	0							Includes Debris
61	U	2	2	0	3,404	K	D	8	0							Includes Debris
62	U	2	2	6	1	K	D	8	0							Includes Debris
63	U	2	2	8	632	K	D	8	0							Includes Debris
64	U	2	3	9	14	K	D	8	0							Includes Debris
65	P	0	1	0	1	K	D	8	0							Includes Debris
66	P	0	1	2	1	K	D	8	0							Includes Debris
67	P	0	2	2	2	K	D	8	0							Includes Debris
68	P	0	3	0	1	K	D	8	0							Includes Debris
69	P	0	4	8	5	K	D	8	0							Includes Debris
70	P	0	9	6	11	K	D	8	0							Includes Debris
71	P	0	9	8	3	K	D	8	0							Includes Debris
72	P	1	0	6	2	K	D	8	0							Includes Debris
73	W	T	0	1	29,770	K	D	8	0							Includes Debris
74	W	T	0	2	18,425	K	D	8	0							Includes Debris
75	W	P	0	1	1,242	K	D	8	0							Includes Debris
76	W	P	0	2	55	K	D	8	0							Includes Debris
77	W	P	0	3	7	K	D	8	0							Includes Debris
78																
79																
80																
81																
82																
83																
84																
85																
86																
87																
88																
89																
90																
91																
92																
93																

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) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature**	**Date Signed** 1/22/2021
Co-Operator* Name and Official Title (type or print) Scott Sax, President and Project Manager Central Plateau Cleanup Company LLC	**Signature** SCOTT SAX (Affiliate) Digitally signed by SCOTT SAX (Affiliate) Date: 2021.01.19 17:20:53 -08'00'	**Date Signed**
Co-Operator – Address and Telephone Number* P.O. Box 1464 Richland, WA 99352 (509) 372-3845		
Facility-Property Owner Name and Official Title (type or print) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature**	**Date Signed** 1/22/2021

Comments

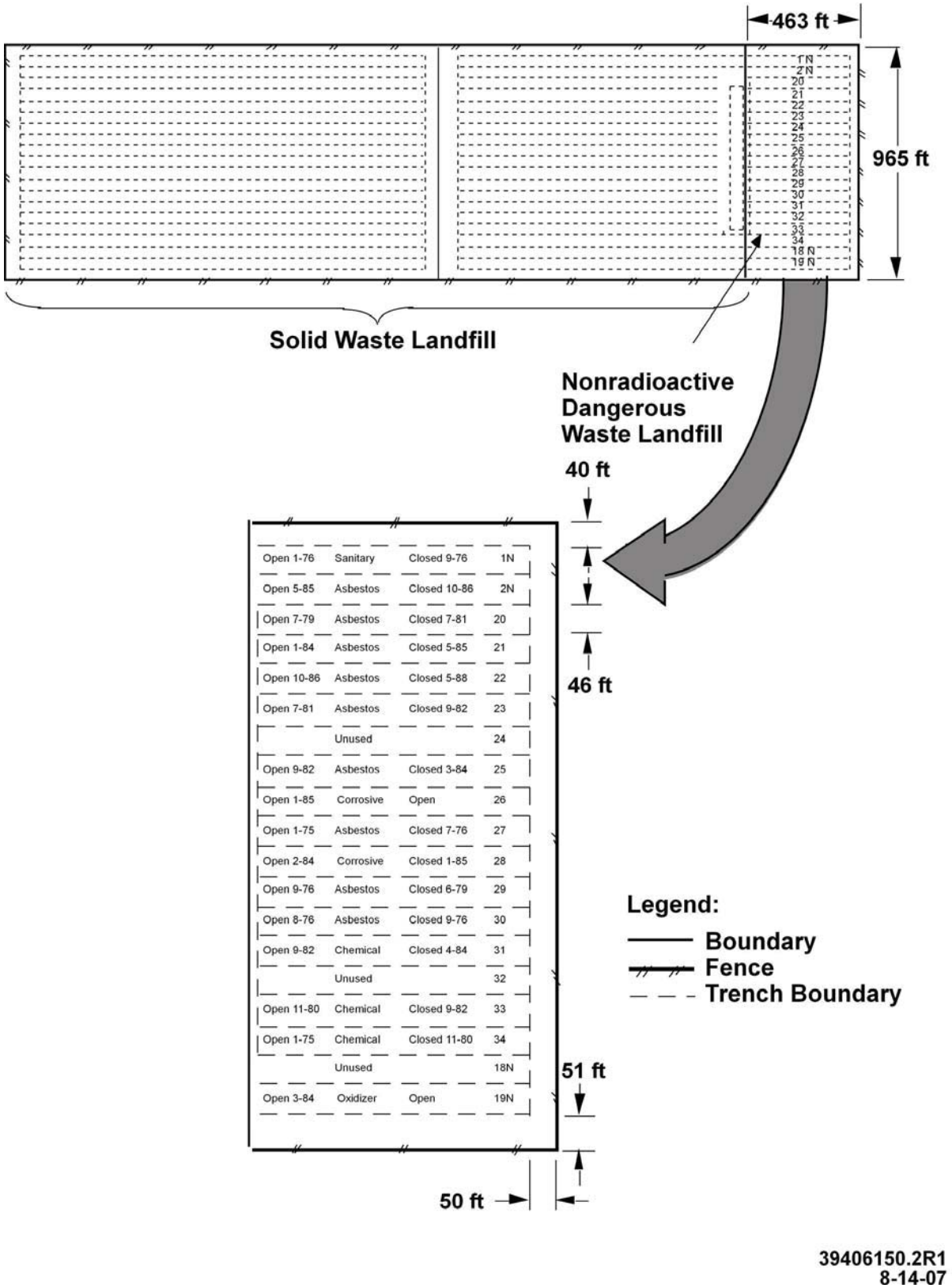
In Section IV, Facility Location is revised to update the facility location. In Section VI, Facility contact is revised to update the DOE-RL contact. In Section VII, Facility Operator Information is revised to update change in Co-Operator. In Section VIII, Facility Owner Information is revised to update facility owner name. In Section XVIII, "Certifications" is revised to update Operator Name, Co-Operator name, and Facility-Property Owner name. The topographic map for the unit is updated to reflect the current mapping conventions. The changes in these sections and the topographic map will be effective January 25, 2021. No other changes have been made to the Part A form sections. The certification is limited to the changes effective January 25, 2021.

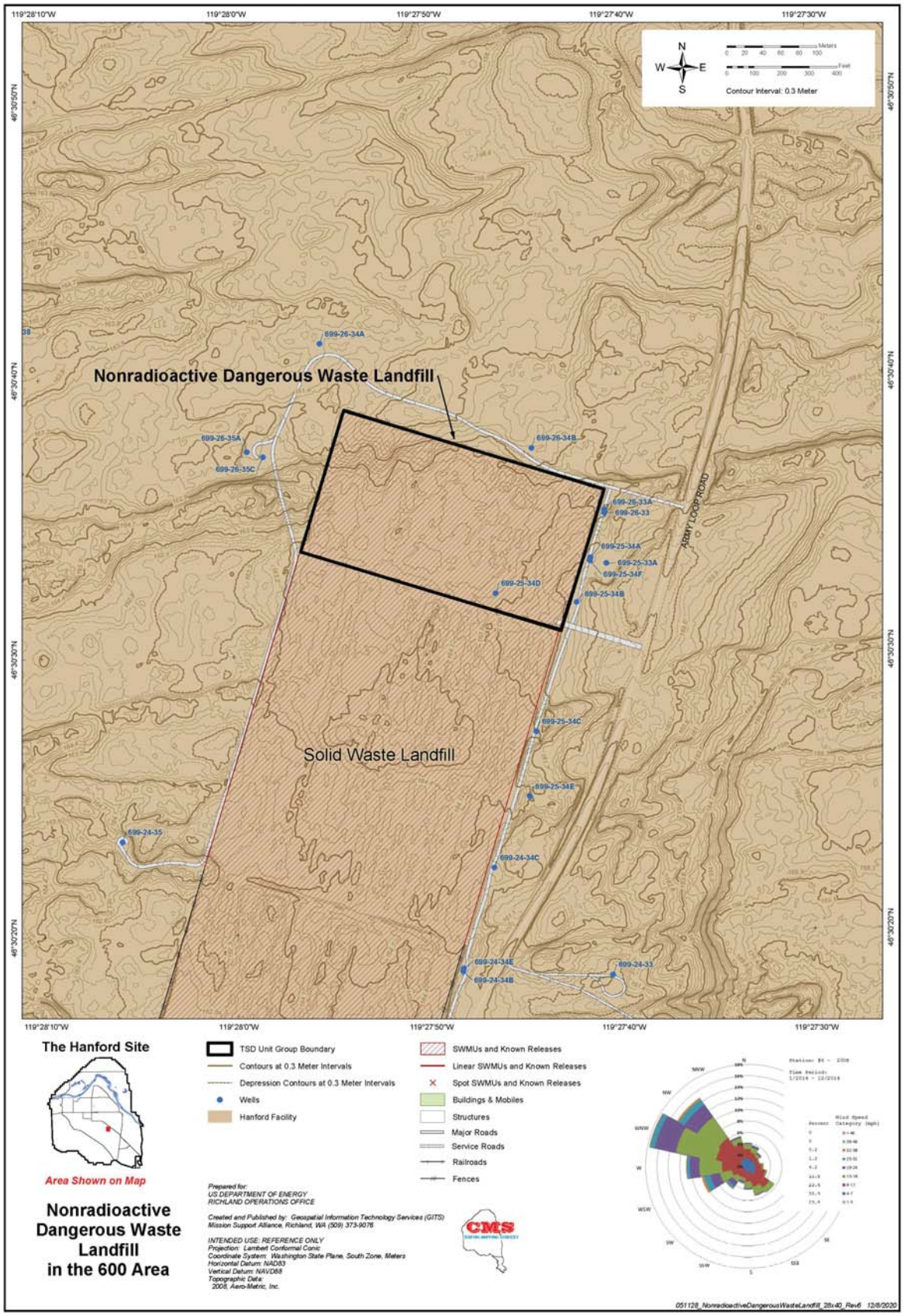
Nonradioactive Dangerous Waste Landfill

90062924-1CN

Photo Taken 1990

Nonradioactive Dangerous Waste Landfill

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119°28'0"W
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119°27'40"W
119°27'30"W
46°30'50"N
46°30'40"N
46°30'30"N
46°30'20"N
N
W
E
S
Meters
Feet
Contour Interval: 0.3 Meter
Nonradioactive Dangerous Waste Landfill
Solid Waste Landfill
ARMY LOOP ROAD
699-26-34A
699-26-35A
699-26-35C
699-26-34B
699-26-33A
699-26-33
699-25-34A
699-25-33A
699-25-34F
699-25-34D
699-25-34B
699-25-34C
699-25-34E
699-24-35
699-24-34C
699-24-34E
699-24-34B
699-24-33
The Hanford Site
Area Shown on Map
Nonradioactive Dangerous Waste Landfill in the 600 Area
TSD Unit Group Boundary
Contours at 0.3 Meter Intervals
Depression Contours at 0.3 Meter Intervals
Wells
Hanford Facility
SWMUs and Known Releases
Linear SWMUs and Known Releases
Spot SWMUs and Known Releases
Buildings & Mobiles
Structures
Major Roads
Service Roads
Railroads
Fences
Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
Created and Published by: Geospatial Information Technology Services (GITS)
Mission Support Alliance, Richland, WA (509) 373-9076
INTENDED USE: REFERENCE ONLY
Projection: Lambert Conformal Conic
Coordinate System: Washington State Plane, South Zone, Meters
Horizontal Datum: NAD83
Vertical Datum: NAVD88
Topographic Data:
2008, Aero-Metric, Inc.
CMS
051128_NonradioactiveDangerousWasteLandfill_28x40_Rev6 12/8/2020

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)

☐	Request modification to a final status permit (commonly called a "Part B" permit)
☒	Request a change under interim status
☐	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).
☐	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

2440 Stevens Drive

City or Town	State	ZIP Code
Richland	WA	99354

County Code (if known)	County Name
0 0 5	Benton

B. Land Type	C. Geographic Location Latitude (degrees, mins, secs)	Longitude (degrees, mins, secs)	D. Facility Existence Date 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)**	
Vance	Brian	
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.		**Phone Number**
Department of Energy Owner/Operator Central Plateau Cleanup Company LLC Co-Operator for PUREX Plant*		(509) 376-7395 (509) 372-3845*
Street or P.O. Box		
P.O. Box 550 P.O. Box 1464*		
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?	☒ **Yes** ☐ **No** Co-Operator* change	
If yes, provide the scheduled date for the change:	**Month** 0 1 / **Day** 2 5 / **Year** 2 0 2 1	
D. Is the name listed in VII.A. also the owner? If yes, skip to Section VIII.C.	☒ **Yes** ☐ **No**	

VIII. Facility Owner Information		
A. Name	**Phone Number (area code and number)**	
Brian T. Vance, 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?	☐ **Yes** ☒ **No**	
If yes, provide the scheduled date for the change:	**Month** / **Day** / **Year**	

IX. NAICS Codes (5/6 digit codes)													
A. First							**B. Second**						
5	6	2	2	1		Waste Treatment & Disposal	9	2	4	1	1	0	Administration of Air & Water Resource & Solid Waste Management Programs
C. Third							**D. Fourth**						
5	4	1	7	1		Research & Development in the Physical, Engineering, & Life Sciences							

X. Other Environmental Permits (see instructions)

A. Permit Type	B. Permit Number	C. Description
E	FF–01	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)

The Plutonium-Uranium Extraction (PUREX) Plant, constructed in 1956, is located in the southeast portion of the 200 East Area. The PUREX Plant was used for the recovery of uranium and plutonium from irradiated reactor fuel. Liquid processes were used to separate the plutonium and uranium. The PUREX Plant consists of the 202-A Building and various support structures. The 202-A Building is a reinforced concrete structure approximately 306 meters long, 36 meters wide (at its maximum) and 30 meters high with approximately 12 meters of the height below grade. The 202-A Building consists of three main structural components: (1) a thick-walled, concrete canyon containing remotely operated process equipment (in cells mostly below grade); (2) the pipe and operating, sample, and storage galleries; and (3) an annex that included offices, process control rooms, laboratories, and building services.

T01 and S02 are used to indicate a historical use of the tanks for storage and treatment. The tanks once used in this process have been drained and flushed and are awaiting final disposition.

S02 references vessels that are permitted to store mixed waste. The PUREX Plant Vessel Table includes the tank identification numbers, tank locations, and tank capabilities for the permitted tanks. The total process design capacity for tank storage was 1,263,233 liters.

S06 is used to indicate a containment building subject to the requirements of 40 CFR 265, Subpart DD, as prescribed in WAC 173-400 interim status facility standards. A steel open top skid containing concrete chips from the floor of E-Cell is stored in F-Cell. The solid mixed waste in the canyon could consist of contaminated discarded canyon process equipment, jumpers (or isolated components thereof) or other material from the various onsite sources.

Treatment and storage capacities are provided to reflect past operations. Current and/or future PUREX Plant activities do not propose utilization of treatment or storage capacity beyond what has been agreed to for the facility transition purposes under the Hanford Federal Facility Agreement and Consent Order, Section 8.

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	T	0	1	392,000	V	008		1							
	2	S	0	2	1,263,233	L	045		2							
	3	S	0	6	430	C	001		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. (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	W	T	0	1	0	K	T	0	1	S	0	2				Historical, process not used
2	W	T	0	2		K	T	0	1	S	0	2				Historical, process not used
3	W	P	0	1		K	T	0	1	S	0	2				Historical, process not used
4	W	P	0	2		K	T	0	1	S	0	2				Historical, process not used
5	D	0	0	1		K	T	0	1	S	0	2				Historical, process not used
6	D	0	0	2		K	T	0	1	S	0	2				Historical, process not used
7	D	0	0	3		K	T	0	1	S	0	2				Historical, process not used
8	D	0	0	4		K	T	0	1	S	0	2				Historical, process not used
9	D	0	0	5		K	T	0	1	S	0	2				Historical, process not used
10	D	0	0	6		K	T	0	1	S	0	2				Historical, process not used
11	D	0	0	7		K	T	0	1	S	0	2				Historical, process not used
12	D	0	0	8		K	T	0	1	S	0	2				Historical, process not used
13	D	0	0	9		K	T	0	1	S	0	2				Historical, process not used
14	D	0	1	0		K	T	0	1	S	0	2				Historical, process not used
15	D	0	1	1		K	T	0	1	S	0	2				Historical, process not used
16	W	T	0	1	15,200	K	S	0	6							Includes debris
17	W	T	0	2		K	S	0	6							Includes debris
18	D	0	0	5		K	S	0	6							Includes debris
19	D	0	0	6		K	S	0	6							Includes debris
20	D	0	0	7		K	S	0	6							Includes debris
21	D	0	0	8		K	S	0	6							Includes debris
22	D	0	1	0		K	S	0	6							Includes debris
23	D	0	1	1		K	S	0	6							Includes debris
24																
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) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature**	**Date Signed** 1/22/2021
Co-Operator* Name and Official Title (type or print) Scott Sax, President and Project Manager Central Plateau Cleanup Company LLC	**Signature** SCOTT SAX (Affiliate) Digitally signed by SCOTT SAX (Affiliate) Date: 2021.01.20 04:58:56 -08'00'	**Date Signed**
Co-Operator – Address and Telephone Number* P.O. Box 1464 Richland, WA 99352 (509) 372-3845		
Facility-Property Owner Name and Official Title (type or print) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature**	**Date Signed** 1/22/2021

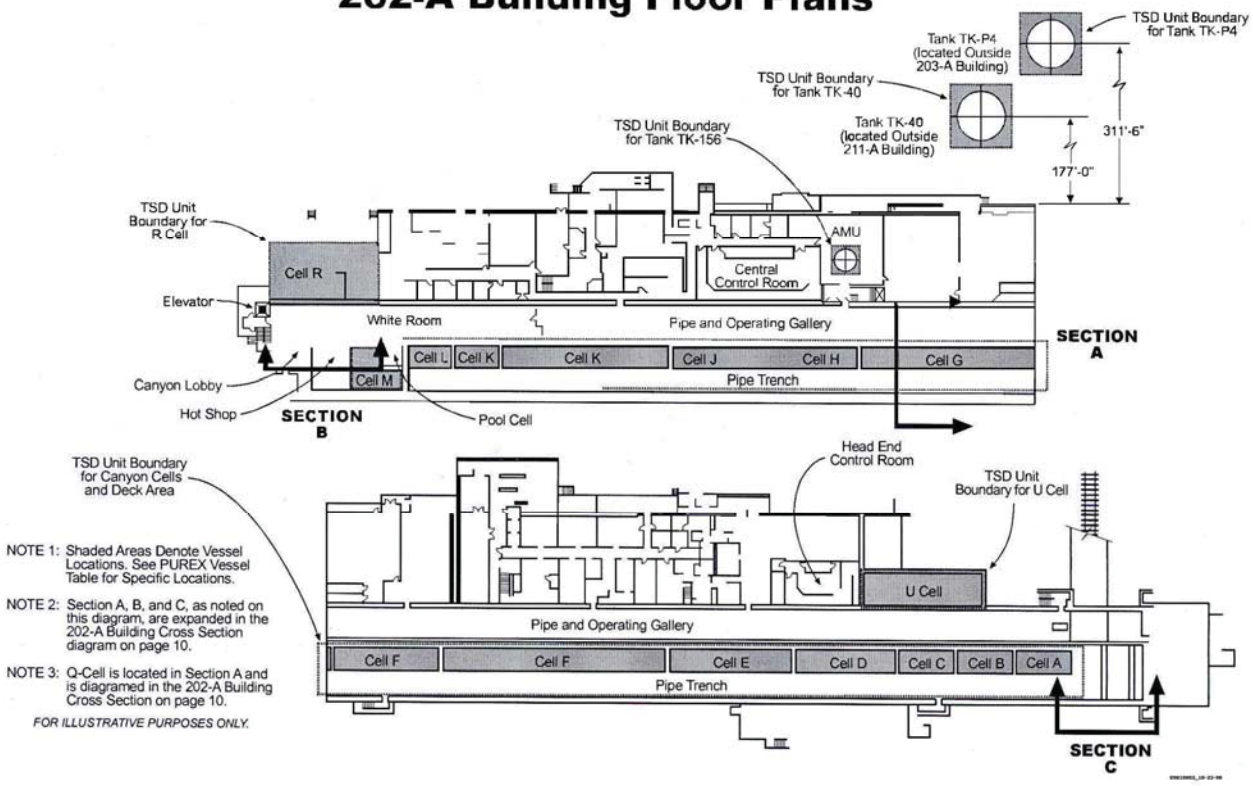
Comments
In Section IV, Facility Location is revised to update the facility location. In Section VI, Facility contact is revised to update the DOE-RL contact. In Section VII, Facility Operator Information is revised to update change in Co-Operator. In Section VIII, Facility Owner Information is revised to update facility owner name. In Section XVIII, “Certifications” is revised to update Operator Name, Co-Operator name, and Facility-Property Owner name. A "Comments" section is added on expanded Page 6a of 12. The topographic map for the unit is updated to reflect the current mapping conventions. The changes in these sections and the topographic map will be effective January 25, 2021. No other changes have been made to the Part A form sections. The certification is limited to the changes effective January 25, 2021.

PUREX Plant Vessel Table

Storage Vessels Inside Canyon		
Vessel ID	Location	Capacity (Liters)
TK-D5	D Cell	19,851
TK-E6	E-Cell	19,813
TK-F3	F-Cell	19,964
TK-F4	F-Cell	19,593
T-F5	F-Cell	1,132
TK-G1	G Cell	18,662
TK-G2	G Cell	7,064
TK-G2	G Cell	8,248
TK-G5	G Cell	55,403
TK-G8	G Cell	19,881
TK-H1	H Cell	19,593
T-H2	H Cell	7,003
E-H4	H Cell	10,137
TK-J1	J Cell	19,926
TK-J3	J Cell	19,911
T-J6	J Cell	6,057
T-J7	J Cell	6,730
TK-J21	J Cell	1,162
T-J22	J Cell	568
T-J23	J Cell	393
TK-K1	K Cell	19,828
T-K2	K Cell	5,194
T-K3	K Cell	6,507
TK-K6	K Cell	19,593
T-L2	L Cell	447
TK-L3	L Cell	488
T-L4	L Cell	139
TK-M2	M Cell	6,852
Storage Vessels Outside Canyon		
TK-Q21	Q Cell AMU	81
TK-Q22	Q Cell AMU	968
TK-R1	R Cell	18.121
TK-R2	R Cell	6,746
T-R2	R Cell	8,282
TK-R7	R Cell	35,174
TK-P4	203-A	402,930
TK-40	211-A	247,360
TK-156	AMU	1,533
Treatment and Storage Vessels Inside Canyon		
TK-E5	E Cell	19,873
E-F11	F-Cell	9,804
TK-F15	F-Cell	19,419
TK-F16	F-Cell	19,870
TK-F18	F-Cell	19,798
TK-G7	G Cell	50,827
Treatment and Storage Vessels Outside Canyon		
TK-U3	U Cell	31,124
TK-U4	U Cell	31,184
	Total Capacity	1,263,233

Cell locations noted on the building illustrations

202-A Building Floor Plans

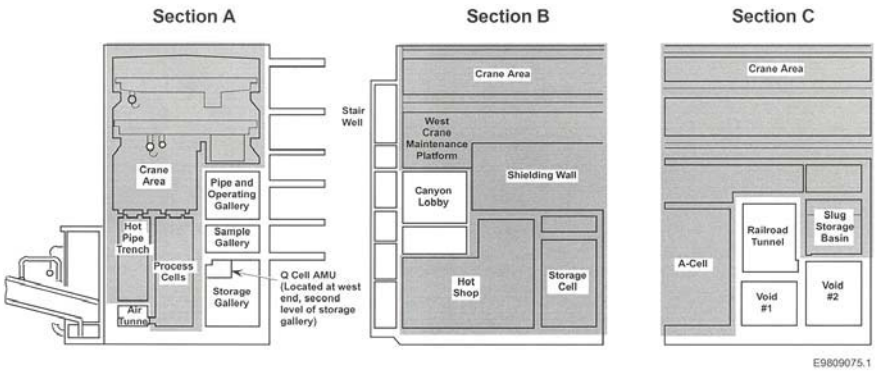


NOTE 1: Shaded Areas Denote Vessel Locations. See PUREX Vessel Table for Specific Locations.

NOTE 2: Section A, B, and C, as noted on this diagram, are expanded in the 202-A Building Cross Section diagram on page 10.

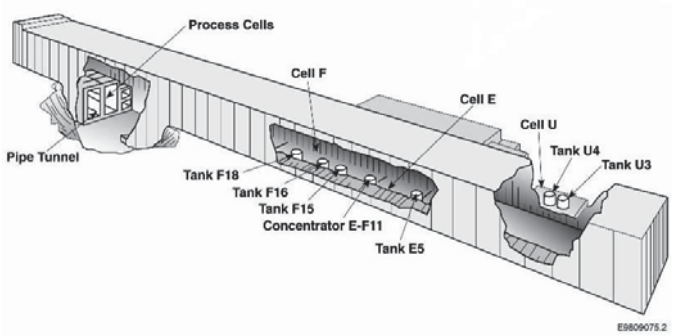
NOTE 3: Q-Cell is located in Section A and is diagramed in the 202-A Building Cross Section on page 10.

FOR ILLUSTRATIVE PURPOSES ONLY.



(Not to Scale)

Note: Shaded portions denote areas that are within the TSD boundary.



PUREX Plant Cutaway (202-A Building)

PUREX Plant

PUREX Plant 97060044-12CN
Photo Taken 1997

Interior Canyon 60478-4CN
West-East View Photo Taken 1973

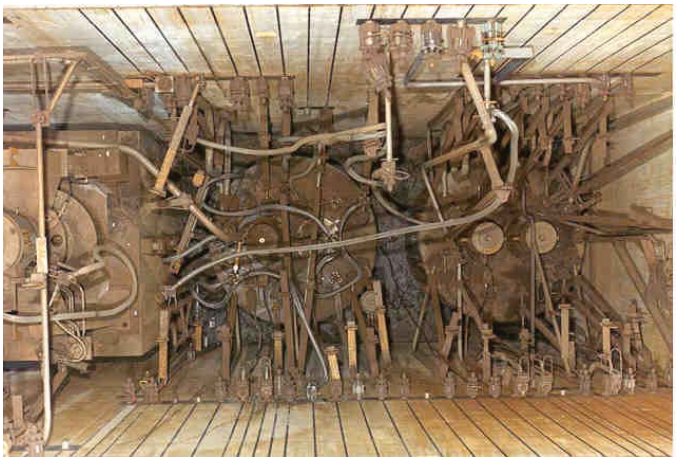
U Cell 92102839-10CN
Typical of Tank U4 Photo Taken 1992

U Cell 92102839-7CN
Tank U3 & Tank U4 Photo Taken 1992

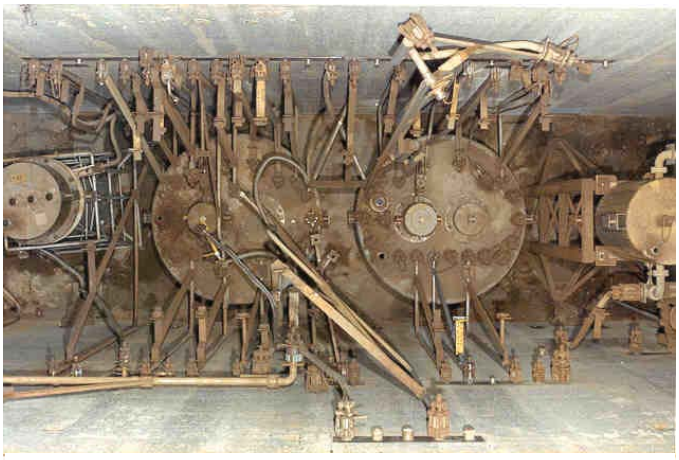
F-Cell 99948-48CN
Looking Down Photo Taken 1982

PUREX Plant

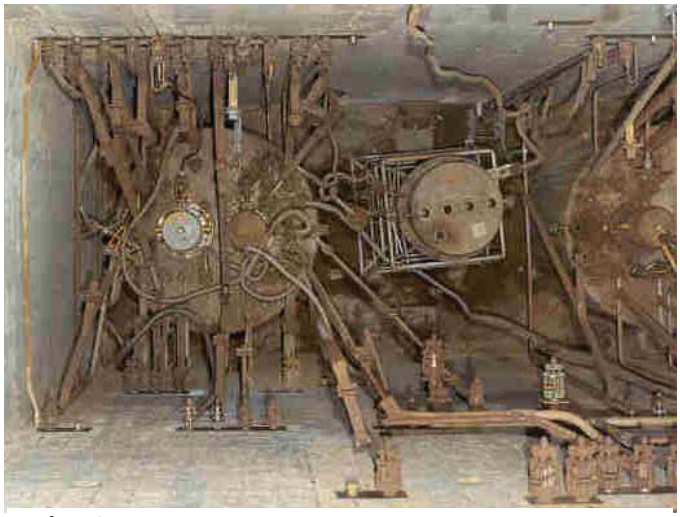
Standard 18,927-Liter Tank 8706243-5CN
(Typical of E5, F15, F16, & F18) Photo Taken1987



Tank E5 09948-38CN
Top Pipe Trench Wall Photo Taken 1982



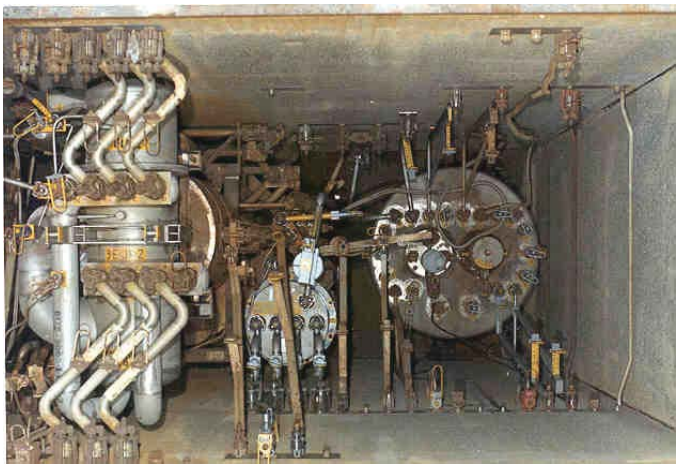
Tank F15 & Tank F16 099948-71CN
Top Pipe Trench Wall Photo Taken 1982



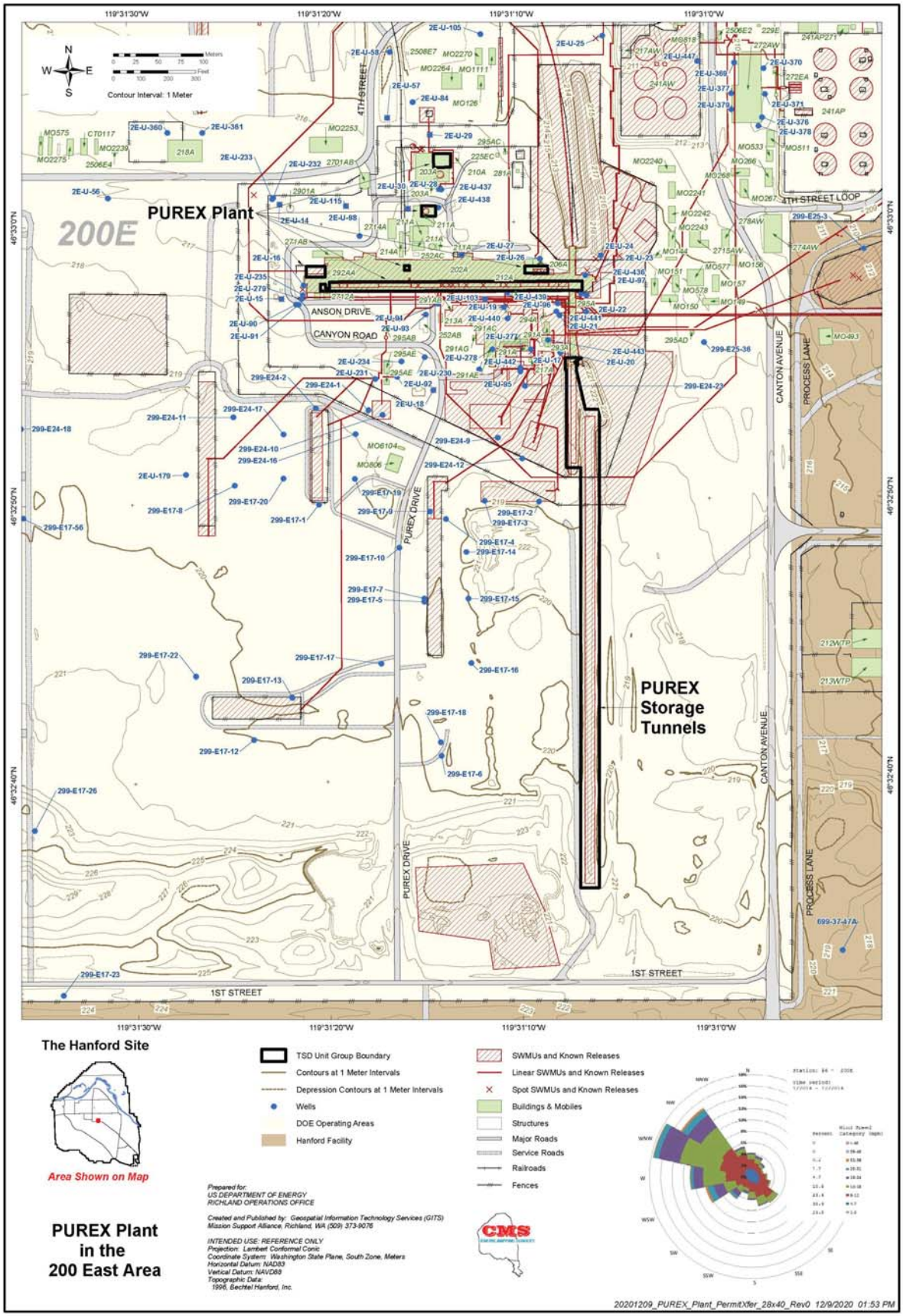
Tank F18 099948-74CN
Top Pipe Trench Wall Photo Taken 1982

PUREX Plant

E-F11 Concentrator 8706243-8CN
Photo Taken 1987



E-F11 Concentrator 099948-64CN
Top Pipe Trench Wall Photo Taken 1982


PUREX Plant
200E
PUREX Storage Tunnels
ANSON DRIVE
CANYON ROAD
PUREX DRIVE
CANTON AVENUE
PROCESS LANE
4TH STREET
4TH STREET LOOP
1ST STREET
Contour Interval: 1 Meter
The Hanford Site
Area Shown on Map
PUREX Plant in the 200 East Area
TSD Unit Group Boundary
Contours at 1 Meter Intervals
Depression Contours at 1 Meter Intervals
Wells
DOE Operating Areas
Hanford Facility
SWMUs and Known Releases
Linear SWMUs and Known Releases
Spot SWMUs and Known Releases
Buildings & Mobiles
Structures
Major Roads
Service Roads
Railroads
Fences
Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
Created and Published by: Geospatial Information Technology Services (GITS)
Mission Support Alliance, Richland, WA (509) 373-9076
INTENDED USE: REFERENCE ONLY
Projection: Lambert Conformal Conic
Coordinate System: Washington State Plane, South Zone, Meters
Horizontal Datum: NAD83
Vertical Datum: NAVD88
Topographic Data:
1996, Bechtel Hanford, Inc.
20201209_PUREX_Plant_PermitXfer_28x40_Rev0 12/9/2020 01:53 PM

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)

☐	**Request modification to a final status permit (commonly called a "Part B" permit)**
☒	**Request a change under interim status**
☐	**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).**
☐	**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

2440 Stevens Drive

City or Town	State	ZIP Code
Richland	WA	99354

County Code (if known)	County Name
0 0 5	Benton

B. Land Type	C. Geographic Location Latitude (degrees, mins, secs)	Longitude (degrees, mins, secs)	D. Facility Existence Date 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)**	
Vance	Brian	
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 Central Plateau Cleanup Company LLC Co-Operator for T Plant Complex*		(509) 376-7395 (509) 372-3845*
Street or P.O. Box		
P.O. Box 550 P.O. Box 1464*		
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?	☒ **Yes** ☐ **No** Co-Operator* change	
If yes, provide the scheduled date for the change:	**Month** 0 1 / **Day** 2 5 / **Year** 2 0 2 1	
D. Is the name listed in VII.A. also the owner? If yes, skip to Section VIII.C.	☒ **Yes** ☐ **No**	

VIII. Facility Owner Information		
A. Name	**Phone Number (area code and number)**	
Brian T. Vance, 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?	☐ **Yes** ☒ **No**	
If yes, provide the scheduled date for the change:	**Month** / **Day** / **Year**	

IX. NAICS Codes (5/6 digit codes)

A. First							B. Second						
5	6	2	2	1		Waste Treatment & Disposal	9	2	4	1	1	0	Administration of Air & Water Resource & Solid Waste Management Programs
C. Third							**D. Fourth**						
5	4	1	7	1		Research & Development in the Physical, Engineering, & Life Sciences							

X. Other Environmental Permits (see instructions)

A. Permit Type	B. Permit Number	C. Description
E	AIR–07–306	WAC 246-247, NOC Radioactive Air
E	AIR–06–1013	WAC 246-247, NOC Radioactive Air
E	DE-01NWP-002R1	WAC 173-400/460, NOC Non-Radioactive Air
E	HAN–099	WAC 246-272-12501/08001, Onsite Sewage System

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

T Plant Complex (T Plant) was constructed in 1943 to chemically separate plutonium from uranium fusion and activation products until 1956, using the Bismuth-Phosphate/Lanthanum-Fluoride process. Beginning in 1957, T Plant was used for decontamination operations. Currently, T Plant provides decontamination, storage, and treatment services.

S02: Liquid mixed waste from T Plant treatment activities is stored in the 2706-T tank system consisting of tanks 220 and 221 and associated ancillary equipment. The waste is stored until transfer to an onsiteTSD unit or offsite TSD facility capable of managing the waste. The maximum process design capacity for the volume of liquid mixed waste that will be stored in the existing 2706-T tank system tanks at any time is 79,512 liters (21,005 gallons). The T Plant tank systems will be managed in a manner that ensures that the process design capacity is not exceeded.

The 221-T tank system consists of six tanks located in the 221-T Building that are out of service and awaiting closure: tank 5-6, tank 5-7, tank 5-9, tank 6-1, tank 11-R, and tank 15-1. In addition, the associated 211-T Sump, located between the 2706-T and the 221-T Building, has been isolated and is awaiting closure. This system, although currently containing waste and/or waste residues, is isolated from further waste additions and is, by agreement with Washington State Department of Ecology, considered non-operating. The maximum process design capacity for the volume of liquid waste that was stored in 221-T tank system is 213,247 liters (56,395 gallons).

The total maximum process design capacity of the T Plant Complex tank system for 221-T and 2706-T is 292,990 liters (77,400 gallons).

T01: Liquid mixed waste that is treated in the 2706-T tank system is transferred to an onsite TSD unit or offsite TSD facility that is capable of managing this waste. This treatment process makes the liquid mixed waste more amenable for transfer and/or storage. The maximum tank treatment process design capacity is 204,412 liters per day (54,000 gallons) per day.

T04: Within T Plant, dangerous and/or mixed waste treatment and storage activities can occur in the 2706-T building, 221-T Canyon, and in other support facilities and units. Types of treatment that could be required to make the dangerous and/or mixed waste more amenable for storage and/or disposal include those identified in Washington Administrative Code 173 303-380. Treatment of dangerous and/or mixed waste (i.e., liquid, solid, gas, or sludge) in various sized containers, including railroad cars, could take place in the 221-T canyon, 221-T railroad tunnel, 2706-T building, 214-T storage building, and in other support structures and storage units located within T Plant's TSD unit boundary. Treatment of dangerous and/or mixed waste (i.e., liquid, solid, gas, or sludge) could include, but is not limited to sorting, segregation, repackaging, neutralization, absorption, macro encapsulation, and compaction. Treatment capability at T Plant can consist of: (1) complete laboratory analysis and characterization of dangerous and/or mixed waste before transferring the waste to an approved onsite TSD unit or offsite TSD facility; or (2) absorb, neutralize, immobilize, encapsulate, or otherwise stabilize the contents of some containers before transfer; (3) sort and segregate mixed waste from low-level waste; (4) prepare the mixed waste to be acceptable for transfer to an onsite TSD unit or offsite TSD facility; and/or (5) meet land disposal restriction requirements for disposal.

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	0	2	292,990	L	008		1							
	2	T	0	1	204,412	V	002		2							
	3	T	0	4	150	S	004		3							
	4	S	0	1	946,352	L	001		4							
	5	S	0	6	8,792	C	002		5							
	6	X	9	9	26,377	C	002		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	181,788,195	K	S	0	2	T	0	1	T	0	4	
		2	D	0	0	2		K	S	0	2	T	0	1	T	0	4	
		3	D	0	0	3		K	S	0	2	T	0	1	T	0	4	
		4	D	0	0	4		K	S	0	2	T	0	1	T	0	4	
		5	D	0	0	5		K	S	0	2	T	0	1	T	0	4	
		6	D	0	0	6		K	S	0	2	T	0	1	T	0	4	
		7	D	0	0	7		K	S	0	2	T	0	1	T	0	4	
		8	D	0	0	8		K	S	0	2	T	0	1	T	0	4	
		9	D	0	0	9		K	S	0	2	T	0	1	T	0	4	
	1	**0**	D	0	1	0		K	S	0	2	T	0	1	T	0	4	
	1	**1**	D	0	1	1		K	S	0	2	T	0	1	T	0	4	
	1	**2**	D	0	1	2		K	S	0	2	T	0	1	T	0	4	
	1	**3**	D	0	1	3		K	S	0	2	T	0	1	T	0	4	
	1	**4**	D	0	1	4		K	S	0	2	T	0	1	T	0	4	
	1	**5**	D	0	1	5		K	S	0	2	T	0	1	T	0	4	
	1	**6**	D	0	1	6		K	S	0	2	T	0	1	T	0	4	
	1	**7**	D	0	1	7		K	S	0	2	T	0	1	T	0	4	
	1	**8**	D	0	1	8		K	S	0	2	T	0	1	T	0	4	
	1	**9**	D	0	1	9		K	S	0	2	T	0	1	T	0	4	
	2	**0**	D	0	2	0		K	S	0	2	T	0	1	T	0	4	
	2	**1**	D	0	2	1		K	S	0	2	T	0	1	T	0	4	
	2	**2**	D	0	2	2		K	S	0	2	T	0	1	T	0	4	
	2	**3**	D	0	2	3		K	S	0	2	T	0	1	T	0	4	
	2	**4**	D	0	2	4		K	S	0	2	T	0	1	T	0	4	
	2	**5**	D	0	2	5		K	S	0	2	T	0	1	T	0	4	

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

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

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

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)]
60	F	0	1	0		K	S	0	2	T	0	1	T	0	4	
61	F	0	1	1		K	S	0	2	T	0	1	T	0	4	
62	F	0	1	2		K	S	0	2	T	0	1	T	0	4	
63	F	0	1	9		K	S	0	2	T	0	1	T	0	4	
64	F	0	2	0		K	S	0	2	T	0	1	T	0	4	
65	F	0	2	1		K	S	0	2	T	0	1	T	0	4	
66	F	0	2	2		K	S	0	2	T	0	1	T	0	4	
67	F	0	2	3		K	S	0	2	T	0	1	T	0	4	
68	F	0	2	6		K	S	0	2	T	0	1	T	0	4	
69	F	0	2	7		K	S	0	2	T	0	1	T	0	4	
70	F	0	2	8		K	S	0	2	T	0	1	T	0	4	
71	F	0	3	9		K	S	0	2	T	0	1	T	0	4	
72	U	0	0	1		K	S	0	2	T	0	1	T	0	4	
73	U	0	0	2		K	S	0	2	T	0	1	T	0	4	
74	U	0	0	3		K	S	0	2	T	0	1	T	0	4	
75	U	0	0	4		K	S	0	2	T	0	1	T	0	4	
76	U	0	0	5		K	S	0	2	T	0	1	T	0	4	
77	U	0	0	6		K	S	0	2	T	0	1	T	0	4	
78	U	0	0	7		K	S	0	2	T	0	1	T	0	4	
79	U	0	0	8		K	S	0	2	T	0	1	T	0	4	
80	U	0	0	9		K	S	0	2	T	0	1	T	0	4	
81	U	0	1	0		K	S	0	2	T	0	1	T	0	4	
82	U	0	1	1		K	S	0	2	T	0	1	T	0	4	
83	U	0	1	2		K	S	0	2	T	0	1	T	0	4	
84	U	0	1	4		K	S	0	2	T	0	1	T	0	4	
85	U	0	1	5		K	S	0	2	T	0	1	T	0	4	
86	U	0	1	6		K	S	0	2	T	0	1	T	0	4	
87	U	0	1	7		K	S	0	2	T	0	1	T	0	4	
88	U	0	1	8		K	S	0	2	T	0	1	T	0	4	
89	U	0	1	9		K	S	0	2	T	0	1	T	0	4	
90	U	0	2	0		K	S	0	2	T	0	1	T	0	4	
91	U	0	2	1		K	S	0	2	T	0	1	T	0	4	
92	U	0	2	2		K	S	0	2	T	0	1	T	0	4	
93	U	0	2	3		K	S	0	2	T	0	1	T	0	4	

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

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)]
94	U	0	2	4		K	S	0	2	T	0	1	T	0	4	
95	U	0	2	5		K	S	0	2	T	0	1	T	0	4	
96	U	0	2	6		K	S	0	2	T	0	1	T	0	4	
97	U	0	2	7		K	S	0	2	T	0	1	T	0	4	
98	U	0	2	8		K	S	0	2	T	0	1	T	0	4	
99	U	0	2	9		K	S	0	2	T	0	1	T	0	4	
100	U	0	3	0		K	S	0	2	T	0	1	T	0	4	
101	U	0	3	1		K	S	0	2	T	0	1	T	0	4	
102	U	0	3	2		K	S	0	2	T	0	1	T	0	4	
103	U	0	3	3		K	S	0	2	T	0	1	T	0	4	
104	U	0	3	4		K	S	0	2	T	0	1	T	0	4	
105	U	0	3	5		K	S	0	2	T	0	1	T	0	4	
106	U	0	3	6		K	S	0	2	T	0	1	T	0	4	
107	U	0	3	7		K	S	0	2	T	0	1	T	0	4	
108	U	0	3	8		K	S	0	2	T	0	1	T	0	4	
109	U	0	3	9		K	S	0	2	T	0	1	T	0	4	
110	U	0	4	1		K	S	0	2	T	0	1	T	0	4	
111	U	0	4	2		K	S	0	2	T	0	1	T	0	4	
112	U	0	4	3		K	S	0	2	T	0	1	T	0	4	
113	U	0	4	4		K	S	0	2	T	0	1	T	0	4	
114	U	0	4	5		K	S	0	2	T	0	1	T	0	4	
115	U	0	4	6		K	S	0	2	T	0	1	T	0	4	
116	U	0	4	7		K	S	0	2	T	0	1	T	0	4	
117	U	0	4	8		K	S	0	2	T	0	1	T	0	4	
118	U	0	4	9		K	S	0	2	T	0	1	T	0	4	
119	U	0	5	0		K	S	0	2	T	0	1	T	0	4	
120	U	0	5	1		K	S	0	2	T	0	1	T	0	4	
121	U	0	5	2		K	S	0	2	T	0	1	T	0	4	
122	U	0	5	3		K	S	0	2	T	0	1	T	0	4	
123	U	0	5	5		K	S	0	2	T	0	1	T	0	4	
124	U	0	5	6		K	S	0	2	T	0	1	T	0	4	
125	U	0	5	7		K	S	0	2	T	0	1	T	0	4	
126	U	0	5	8		K	S	0	2	T	0	1	T	0	4	
127	U	0	5	9		K	S	0	2	T	0	1	T	0	4	

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

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)]
128	U	0	6	0		K	S	0	2	T	0	1	T	0	4	
129	U	0	6	1		K	S	0	2	T	0	1	T	0	4	
130	U	0	6	2		K	S	0	2	T	0	1	T	0	4	
131	U	0	6	3		K	S	0	2	T	0	1	T	0	4	
132	U	0	6	4		K	S	0	2	T	0	1	T	0	4	
133	U	0	6	6		K	S	0	2	T	0	1	T	0	4	
134	U	0	6	7		K	S	0	2	T	0	1	T	0	4	
135	U	0	6	8		K	S	0	2	T	0	1	T	0	4	
136	U	0	6	9		K	S	0	2	T	0	1	T	0	4	
137	U	0	7	0		K	S	0	2	T	0	1	T	0	4	
138	U	0	7	1		K	S	0	2	T	0	1	T	0	4	
139	U	0	7	2		K	S	0	2	T	0	1	T	0	4	
140	U	0	7	3		K	S	0	2	T	0	1	T	0	4	
141	U	0	7	4		K	S	0	2	T	0	1	T	0	4	
142	U	0	7	5		K	S	0	2	T	0	1	T	0	4	
143	U	0	7	6		K	S	0	2	T	0	1	T	0	4	
144	U	0	7	7		K	S	0	2	T	0	1	T	0	4	
145	U	0	7	8		K	S	0	2	T	0	1	T	0	4	
146	U	0	7	9		K	S	0	2	T	0	1	T	0	4	
147	U	0	8	0		K	S	0	2	T	0	1	T	0	4	
148	U	0	8	1		K	S	0	2	T	0	1	T	0	4	
149	U	0	8	2		K	S	0	2	T	0	1	T	0	4	
150	U	0	8	3		K	S	0	2	T	0	1	T	0	4	
151	U	0	8	4		K	S	0	2	T	0	1	T	0	4	
152	U	0	8	5		K	S	0	2	T	0	1	T	0	4	
153	U	0	8	6		K	S	0	2	T	0	1	T	0	4	
154	U	0	8	7		K	S	0	2	T	0	1	T	0	4	
155	U	0	8	8		K	S	0	2	T	0	1	T	0	4	
156	U	0	8	9		K	S	0	2	T	0	1	T	0	4	
157	U	0	9	0		K	S	0	2	T	0	1	T	0	4	
158	U	0	9	1		K	S	0	2	T	0	1	T	0	4	
159	U	0	9	2		K	S	0	2	T	0	1	T	0	4	
160	U	0	9	3		K	S	0	2	T	0	1	T	0	4	
161	U	0	9	4		K	S	0	2	T	0	1	T	0	4	

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

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)]
162	U	0	9	5		K	S	0	2	T	0	1	T	0	4	
163	U	0	9	6		K	S	0	2	T	0	1	T	0	4	
164	U	0	9	7		K	S	0	2	T	0	1	T	0	4	
165	U	0	9	8		K	S	0	2	T	0	1	T	0	4	
166	U	0	9	9		K	S	0	2	T	0	1	T	0	4	
167	U	1	0	1		K	S	0	2	T	0	1	T	0	4	
168	U	1	0	2		K	S	0	2	T	0	1	T	0	4	
169	U	1	0	3		K	S	0	2	T	0	1	T	0	4	
170	U	1	0	5		K	S	0	2	T	0	1	T	0	4	
171	U	1	0	6		K	S	0	2	T	0	1	T	0	4	
172	U	1	0	7		K	S	0	2	T	0	1	T	0	4	
173	U	1	0	8		K	S	0	2	T	0	1	T	0	4	
174	U	1	0	9		K	S	0	2	T	0	1	T	0	4	
175	U	1	1	0		K	S	0	2	T	0	1	T	0	4	
176	U	1	1	1		K	S	0	2	T	0	1	T	0	4	
177	U	1	1	2		K	S	0	2	T	0	1	T	0	4	
178	U	1	1	3		K	S	0	2	T	0	1	T	0	4	
179	U	1	1	4		K	S	0	2	T	0	1	T	0	4	
180	U	1	1	5		K	S	0	2	T	0	1	T	0	4	
181	U	1	1	6		K	S	0	2	T	0	1	T	0	4	
182	U	1	1	7		K	S	0	2	T	0	1	T	0	4	
183	U	1	1	8		K	S	0	2	T	0	1	T	0	4	
184	U	1	1	9		K	S	0	2	T	0	1	T	0	4	
185	U	1	2	0		K	S	0	2	T	0	1	T	0	4	
186	U	1	2	1		K	S	0	2	T	0	1	T	0	4	
187	U	1	2	2		K	S	0	2	T	0	1	T	0	4	
188	U	1	2	3		K	S	0	2	T	0	1	T	0	4	
189	U	1	2	4		K	S	0	2	T	0	1	T	0	4	
190	U	1	2	5		K	S	0	2	T	0	1	T	0	4	
191	U	1	2	6		K	S	0	2	T	0	1	T	0	4	
192	U	1	2	7		K	S	0	2	T	0	1	T	0	4	
193	U	1	2	8		K	S	0	2	T	0	1	T	0	4	
194	U	1	2	9		K	S	0	2	T	0	1	T	0	4	
195	U	1	3	0		K	S	0	2	T	0	1	T	0	4	

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

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)]
196	U	1	3	1		K	S	0	2	T	0	1	T	0	4	
197	U	1	3	2		K	S	0	2	T	0	1	T	0	4	
198	U	1	3	3		K	S	0	2	T	0	1	T	0	4	
199	U	1	3	4		K	S	0	2	T	0	1	T	0	4	
200	U	1	3	5		K	S	0	2	T	0	1	T	0	4	
201	U	1	3	6		K	S	0	2	T	0	1	T	0	4	
202	U	1	3	7		K	S	0	2	T	0	1	T	0	4	
203	U	1	3	8		K	S	0	2	T	0	1	T	0	4	
204	U	1	4	0		K	S	0	2	T	0	1	T	0	4	
205	U	1	4	1		K	S	0	2	T	0	1	T	0	4	
206	U	1	4	2		K	S	0	2	T	0	1	T	0	4	
207	U	1	4	3		K	S	0	2	T	0	1	T	0	4	
208	U	1	4	4		K	S	0	2	T	0	1	T	0	4	
209	U	1	4	5		K	S	0	2	T	0	1	T	0	4	
210	U	1	4	6		K	S	0	2	T	0	1	T	0	4	
211	U	1	4	7		K	S	0	2	T	0	1	T	0	4	
212	U	1	4	8		K	S	0	2	T	0	1	T	0	4	
213	U	1	4	9		K	S	0	2	T	0	1	T	0	4	
214	U	1	5	0		K	S	0	2	T	0	1	T	0	4	
215	U	1	5	1		K	S	0	2	T	0	1	T	0	4	
216	U	1	5	2		K	S	0	2	T	0	1	T	0	4	
217	U	1	5	3		K	S	0	2	T	0	1	T	0	4	
218	U	1	5	4		K	S	0	2	T	0	1	T	0	4	
219	U	1	5	5		K	S	0	2	T	0	1	T	0	4	
220	U	1	5	6		K	S	0	2	T	0	1	T	0	4	
221	U	1	5	7		K	S	0	2	T	0	1	T	0	4	
222	U	1	5	8		K	S	0	2	T	0	1	T	0	4	
223	U	1	5	9		K	S	0	2	T	0	1	T	0	4	
224	U	1	6	0		K	S	0	2	T	0	1	T	0	4	
225	U	1	6	1		K	S	0	2	T	0	1	T	0	4	
226	U	1	6	2		K	S	0	2	T	0	1	T	0	4	
227	U	1	6	3		K	S	0	2	T	0	1	T	0	4	
228	U	1	6	4		K	S	0	2	T	0	1	T	0	4	
229	U	1	6	5		K	S	0	2	T	0	1	T	0	4	

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

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)]
230	U	1	6	6		K	S	0	2	T	0	1	T	0	4	
231	U	1	6	7		K	S	0	2	T	0	1	T	0	4	
232	U	1	6	8		K	S	0	2	T	0	1	T	0	4	
233	U	1	6	9		K	S	0	2	T	0	1	T	0	4	
234	U	1	7	0		K	S	0	2	T	0	1	T	0	4	
235	U	1	7	1		K	S	0	2	T	0	1	T	0	4	
236	U	1	7	2		K	S	0	2	T	0	1	T	0	4	
237	U	1	7	3		K	S	0	2	T	0	1	T	0	4	
238	U	1	7	4		K	S	0	2	T	0	1	T	0	4	
239	U	1	7	6		K	S	0	2	T	0	1	T	0	4	
240	U	1	7	7		K	S	0	2	T	0	1	T	0	4	
241	U	1	7	8		K	S	0	2	T	0	1	T	0	4	
242	U	1	7	9		K	S	0	2	T	0	1	T	0	4	
243	U	1	8	0		K	S	0	2	T	0	1	T	0	4	
244	U	1	8	1		K	S	0	2	T	0	1	T	0	4	
245	U	1	8	2		K	S	0	2	T	0	1	T	0	4	
246	U	1	8	3		K	S	0	2	T	0	1	T	0	4	
247	U	1	8	4		K	S	0	2	T	0	1	T	0	4	
248	U	1	8	5		K	S	0	2	T	0	1	T	0	4	
249	U	1	8	6		K	S	0	2	T	0	1	T	0	4	
250	U	1	8	7		K	S	0	2	T	0	1	T	0	4	
251	U	1	8	8		K	S	0	2	T	0	1	T	0	4	
252	U	1	8	9		K	S	0	2	T	0	1	T	0	4	
253	U	1	9	0		K	S	0	2	T	0	1	T	0	4	
254	U	1	9	1		K	S	0	2	T	0	1	T	0	4	
255	U	1	9	2		K	S	0	2	T	0	1	T	0	4	
256	U	1	9	3		K	S	0	2	T	0	1	T	0	4	
257	U	1	9	4		K	S	0	2	T	0	1	T	0	4	
258	U	1	9	6		K	S	0	2	T	0	1	T	0	4	
259	U	1	9	7		K	S	0	2	T	0	1	T	0	4	
260	U	2	0	0		K	S	0	2	T	0	1	T	0	4	
261	U	2	0	1		K	S	0	2	T	0	1	T	0	4	
262	U	2	0	2		K	S	0	2	T	0	1	T	0	4	
263	U	2	0	3		K	S	0	2	T	0	1	T	0	4	

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

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)]
264	U	2	0	4		K	S	0	2	T	0	1	T	0	4	
265	U	2	0	5		K	S	0	2	T	0	1	T	0	4	
266	U	2	0	6		K	S	0	2	T	0	1	T	0	4	
267	U	2	0	7		K	S	0	2	T	0	1	T	0	4	
268	U	2	0	8		K	S	0	2	T	0	1	T	0	4	
269	U	2	0	9		K	S	0	2	T	0	1	T	0	4	
270	U	2	1	0		K	S	0	2	T	0	1	T	0	4	
271	U	2	1	1		K	S	0	2	T	0	1	T	0	4	
272	U	2	1	3		K	S	0	2	T	0	1	T	0	4	
273	U	2	1	4		K	S	0	2	T	0	1	T	0	4	
274	U	2	1	5		K	S	0	2	T	0	1	T	0	4	
275	U	2	1	6		K	S	0	2	T	0	1	T	0	4	
276	U	2	1	7		K	S	0	2	T	0	1	T	0	4	
277	U	2	1	8		K	S	0	2	T	0	1	T	0	4	
278	U	2	1	9		K	S	0	2	T	0	1	T	0	4	
279	U	2	2	0		K	S	0	2	T	0	1	T	0	4	
280	U	2	2	1		K	S	0	2	T	0	1	T	0	4	
281	U	2	2	2		K	S	0	2	T	0	1	T	0	4	
282	U	2	2	3		K	S	0	2	T	0	1	T	0	4	
283	U	2	2	5		K	S	0	2	T	0	1	T	0	4	
284	U	2	2	6		K	S	0	2	T	0	1	T	0	4	
285	U	2	2	7		K	S	0	2	T	0	1	T	0	4	
286	U	2	2	8		K	S	0	2	T	0	1	T	0	4	
287	U	2	3	4		K	S	0	2	T	0	1	T	0	4	
288	U	2	3	5		K	S	0	2	T	0	1	T	0	4	
289	U	2	3	6		K	S	0	2	T	0	1	T	0	4	
290	U	2	3	7		K	S	0	2	T	0	1	T	0	4	
291	U	2	3	8		K	S	0	2	T	0	1	T	0	4	
292	U	2	3	9		K	S	0	2	T	0	1	T	0	4	
293	U	2	4	0		K	S	0	2	T	0	1	T	0	4	
294	U	2	4	3		K	S	0	2	T	0	1	T	0	4	
295	U	2	4	4		K	S	0	2	T	0	1	T	0	4	
296	U	2	4	6		K	S	0	2	T	0	1	T	0	4	
297	U	2	4	7		K	S	0	2	T	0	1	T	0	4	

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

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)]
298	U	2	4	8		K	S	0	2	T	0	1	T	0	4	
299	U	2	4	9		K	S	0	2	T	0	1	T	0	4	
300	U	2	7	1		K	S	0	2	T	0	1	T	0	4	
301	U	2	7	8		K	S	0	2	T	0	1	T	0	4	
302	U	2	7	9		K	S	0	2	T	0	1	T	0	4	
303	U	2	8	0		K	S	0	2	T	0	1	T	0	4	
304	U	3	2	8		K	S	0	2	T	0	1	T	0	4	
305	U	3	5	3		K	S	0	2	T	0	1	T	0	4	
306	U	3	5	9		K	S	0	2	T	0	1	T	0	4	
307	U	3	6	4		K	S	0	2	T	0	1	T	0	4	
308	U	3	6	7		K	S	0	2	T	0	1	T	0	4	
309	U	3	7	2		K	S	0	2	T	0	1	T	0	4	
310	U	3	7	3		K	S	0	2	T	0	1	T	0	4	
311	U	3	8	7		K	S	0	2	T	0	1	T	0	4	
312	U	3	8	9		K	S	0	2	T	0	1	T	0	4	
313	U	3	9	4		K	S	0	2	T	0	1	T	0	4	
314	U	3	9	5		K	S	0	2	T	0	1	T	0	4	
315	U	4	0	1		K	S	0	2	T	0	1	T	0	4	
316	U	4	0	2		K	S	0	2	T	0	1	T	0	4	
317	U	4	0	3		K	S	0	2	T	0	1	T	0	4	
318	U	4	0	4		K	S	0	2	T	0	1	T	0	4	
319	U	4	0	9		K	S	0	2	T	0	1	T	0	4	
320	U	4	1	0		K	S	0	2	T	0	1	T	0	4	
321	U	4	1	1		K	S	0	2	T	0	1	T	0	4	
322	P	0	0	1		K	S	0	2	T	0	1	T	0	4	
323	P	0	0	2		K	S	0	2	T	0	1	T	0	4	
324	P	0	0	3		K	S	0	2	T	0	1	T	0	4	
325	P	0	0	4		K	S	0	2	T	0	1	T	0	4	
326	P	0	0	5		K	S	0	2	T	0	1	T	0	4	
327	P	0	0	6		K	S	0	2	T	0	1	T	0	4	
328	P	0	0	7		K	S	0	2	T	0	1	T	0	4	
329	P	0	0	8		K	S	0	2	T	0	1	T	0	4	
330	P	0	0	9		K	S	0	2	T	0	1	T	0	4	
331	P	0	1	0		K	S	0	2	T	0	1	T	0	4	

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

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)]
332	P	0	1	1		K	S	0	2	T	0	1	T	0	4	
333	P	0	1	2		K	S	0	2	T	0	1	T	0	4	
334	P	0	1	3		K	S	0	2	T	0	1	T	0	4	
335	P	0	1	4		K	S	0	2	T	0	1	T	0	4	
336	P	0	1	5		K	S	0	2	T	0	1	T	0	4	
337	P	0	1	6		K	S	0	2	T	0	1	T	0	4	
338	P	0	1	7		K	S	0	2	T	0	1	T	0	4	
339	P	0	1	8		K	S	0	2	T	0	1	T	0	4	
340	P	0	2	0		K	S	0	2	T	0	1	T	0	4	
341	P	0	2	1		K	S	0	2	T	0	1	T	0	4	
342	P	0	2	2		K	S	0	2	T	0	1	T	0	4	
343	P	0	2	3		K	S	0	2	T	0	1	T	0	4	
344	P	0	2	4		K	S	0	2	T	0	1	T	0	4	
345	P	0	2	6		K	S	0	2	T	0	1	T	0	4	
346	P	0	2	7		K	S	0	2	T	0	1	T	0	4	
347	P	0	2	8		K	S	0	2	T	0	1	T	0	4	
348	P	0	2	9		K	S	0	2	T	0	1	T	0	4	
349	P	0	3	0		K	S	0	2	T	0	1	T	0	4	
350	P	0	3	1		K	S	0	2	T	0	1	T	0	4	
351	P	0	3	3		K	S	0	2	T	0	1	T	0	4	
352	P	0	3	4		K	S	0	2	T	0	1	T	0	4	
353	P	0	3	6		K	S	0	2	T	0	1	T	0	4	
354	P	0	3	7		K	S	0	2	T	0	1	T	0	4	
355	P	0	3	8		K	S	0	2	T	0	1	T	0	4	
356	P	0	3	9		K	S	0	2	T	0	1	T	0	4	
357	P	0	4	0		K	S	0	2	T	0	1	T	0	4	
358	P	0	4	1		K	S	0	2	T	0	1	T	0	4	
359	P	0	4	2		K	S	0	2	T	0	1	T	0	4	
360	P	0	4	3		K	S	0	2	T	0	1	T	0	4	
361	P	0	4	4		K	S	0	2	T	0	1	T	0	4	
362	P	0	4	5		K	S	0	2	T	0	1	T	0	4	
363	P	0	4	6		K	S	0	2	T	0	1	T	0	4	
364	P	0	4	7		K	S	0	2	T	0	1	T	0	4	
365	P	0	4	8		K	S	0	2	T	0	1	T	0	4	

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

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)]
366	P	0	4	9		K	S	0	2	T	0	1	T	0	4	
367	P	0	5	0		K	S	0	2	T	0	1	T	0	4	
368	P	0	5	1		K	S	0	2	T	0	1	T	0	4	
369	P	0	5	4		K	S	0	2	T	0	1	T	0	4	
370	P	0	5	6		K	S	0	2	T	0	1	T	0	4	
371	P	0	5	7		K	S	0	2	T	0	1	T	0	4	
372	P	0	5	8		K	S	0	2	T	0	1	T	0	4	
373	P	0	5	9		K	S	0	2	T	0	1	T	0	4	
374	P	0	6	0		K	S	0	2	T	0	1	T	0	4	
375	P	0	6	2		K	S	0	2	T	0	1	T	0	4	
376	P	0	6	3		K	S	0	2	T	0	1	T	0	4	
377	P	0	6	4		K	S	0	2	T	0	1	T	0	4	
378	P	0	6	5		K	S	0	2	T	0	1	T	0	4	
379	P	0	6	6		K	S	0	2	T	0	1	T	0	4	
380	P	0	6	7		K	S	0	2	T	0	1	T	0	4	
381	P	0	6	8		K	S	0	2	T	0	1	T	0	4	
382	P	0	6	9		K	S	0	2	T	0	1	T	0	4	
383	P	0	7	0		K	S	0	2	T	0	1	T	0	4	
384	P	0	7	1		K	S	0	2	T	0	1	T	0	4	
385	P	0	7	2		K	S	0	2	T	0	1	T	0	4	
386	P	0	7	3		K	S	0	2	T	0	1	T	0	4	
387	P	0	7	4		K	S	0	2	T	0	1	T	0	4	
388	P	0	7	5		K	S	0	2	T	0	1	T	0	4	
389	P	0	7	6		K	S	0	2	T	0	1	T	0	4	
390	P	0	7	7		K	S	0	2	T	0	1	T	0	4	
391	P	0	7	8		K	S	0	2	T	0	1	T	0	4	
392	P	0	8	1		K	S	0	2	T	0	1	T	0	4	
393	P	0	8	2		K	S	0	2	T	0	1	T	0	4	
394	P	0	8	4		K	S	0	2	T	0	1	T	0	4	
395	P	0	8	5		K	S	0	2	T	0	1	T	0	4	
396	P	0	8	7		K	S	0	2	T	0	1	T	0	4	
397	P	0	8	8		K	S	0	2	T	0	1	T	0	4	
398	P	0	8	9		K	S	0	2	T	0	1	T	0	4	
399	P	0	9	2		K	S	0	2	T	0	1	T	0	4	

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

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)]
400	P	0	9	3		K	S	0	2	T	0	1	T	0	4	
401	P	0	9	4		K	S	0	2	T	0	1	T	0	4	
402	P	0	9	5		K	S	0	2	T	0	1	T	0	4	
403	P	0	9	6		K	S	0	2	T	0	1	T	0	4	
404	P	0	9	7		K	S	0	2	T	0	1	T	0	4	
405	P	0	9	8		K	S	0	2	T	0	1	T	0	4	
406	P	0	9	9		K	S	0	2	T	0	1	T	0	4	
407	P	1	0	1		K	S	0	2	T	0	1	T	0	4	
408	P	1	0	2		K	S	0	2	T	0	1	T	0	4	
409	P	1	0	3		K	S	0	2	T	0	1	T	0	4	
410	P	1	0	4		K	S	0	2	T	0	1	T	0	4	
411	P	1	0	5		K	S	0	2	T	0	1	T	0	4	
412	P	1	0	6		K	S	0	2	T	0	1	T	0	4	
413	P	1	0	8		K	S	0	2	T	0	1	T	0	4	
414	P	1	0	9		K	S	0	2	T	0	1	T	0	4	
415	P	1	1	0		K	S	0	2	T	0	1	T	0	4	
416	P	1	1	1		K	S	0	2	T	0	1	T	0	4	
417	P	1	1	2		K	S	0	2	T	0	1	T	0	4	
418	P	1	1	3		K	S	0	2	T	0	1	T	0	4	
419	P	1	1	4		K	S	0	2	T	0	1	T	0	4	
420	P	1	1	5		K	S	0	2	T	0	1	T	0	4	
421	P	1	1	6		K	S	0	2	T	0	1	T	0	4	
422	P	1	1	8		K	S	0	2	T	0	1	T	0	4	
423	P	1	1	9		K	S	0	2	T	0	1	T	0	4	
424	P	1	2	0		K	S	0	2	T	0	1	T	0	4	
425	P	1	2	1		K	S	0	2	T	0	1	T	0	4	
426	P	1	2	2		K	S	0	2	T	0	1	T	0	4	
427	P	1	2	3		K	S	0	2	T	0	1	T	0	4	
428	P	1	2	7		K	S	0	2	T	0	1	T	0	4	
429	P	1	2	8		K	S	0	2	T	0	1	T	0	4	
430	P	1	8	5		K	S	0	2	T	0	1	T	0	4	
431	P	1	8	8		K	S	0	2	T	0	1	T	0	4	
432	P	1	8	9		K	S	0	2	T	0	1	T	0	4	
433	P	1	9	0		K	S	0	2	T	0	1	T	0	4	

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

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)]
434	P	1	9	1		K	S	0	2	T	0	1	T	0	4	
435	P	1	9	2		K	S	0	2	T	0	1	T	0	4	
436	P	1	9	4		K	S	0	2	T	0	1	T	0	4	
437	P	1	9	6		K	S	0	2	T	0	1	T	0	4	
438	P	1	9	7		K	S	0	2	T	0	1	T	0	4	
439	P	1	9	8		K	S	0	2	T	0	1	T	0	4	
440	P	1	9	9		K	S	0	2	T	0	1	T	0	4	
441	P	2	0	1		K	S	0	2	T	0	1	T	0	4	
442	P	2	0	2		K	S	0	2	T	0	1	T	0	4	
443	P	2	0	3		K	S	0	2	T	0	1	T	0	4	
444	P	2	0	4		K	S	0	2	T	0	1	T	0	4	
445	P	2	0	5		K	S	0	2	T	0	1	T	0	4	
446	D	0	0	1	40,831,030	K	S	0	1	T	0	4				Includes Debris
447	D	0	0	2		K	S	0	1	T	0	4				Includes Debris
448	D	0	0	3		K	S	0	1	T	0	4				Includes Debris
449	D	0	0	4		K	S	0	1	T	0	4				Includes Debris
450	D	0	0	5		K	S	0	1	T	0	4				Includes Debris
451	D	0	0	6		K	S	0	1	T	0	4				Includes Debris
452	D	0	0	7		K	S	0	1	T	0	4				Includes Debris
453	D	0	0	8		K	S	0	1	T	0	4				Includes Debris
454	D	0	0	9		K	S	0	1	T	0	4				Includes Debris
455	D	0	1	0		K	S	0	1	T	0	4				Includes Debris
456	D	0	1	1		K	S	0	1	T	0	4				Includes Debris
457	D	0	1	2		K	S	0	1	T	0	4				Includes Debris
458	D	0	1	3		K	S	0	1	T	0	4				Includes Debris
459	D	0	1	4		K	S	0	1	T	0	4				Includes Debris
460	D	0	1	5		K	S	0	1	T	0	4				Includes Debris
461	D	0	1	6		K	S	0	1	T	0	4				Includes Debris
462	D	0	1	7		K	S	0	1	T	0	4				Includes Debris
463	D	0	1	8		K	S	0	1	T	0	4				Includes Debris
464	D	0	1	9		K	S	0	1	T	0	4				Includes Debris
465	D	0	2	0		K	S	0	1	T	0	4				Includes Debris
466	D	0	2	1		K	S	0	1	T	0	4				Includes Debris
467	D	0	2	2		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

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)]
468	D	0	2	3		K	S	0	1	T	0	4				Includes Debris
469	D	0	2	4		K	S	0	1	T	0	4				Includes Debris
470	D	0	2	5		K	S	0	1	T	0	4				Includes Debris
471	D	0	2	6		K	S	0	1	T	0	4				Includes Debris
472	D	0	2	7		K	S	0	1	T	0	4				Includes Debris
473	D	0	2	8		K	S	0	1	T	0	4				Includes Debris
474	D	0	2	9		K	S	0	1	T	0	4				Includes Debris
475	D	0	3	0		K	S	0	1	T	0	4				Includes Debris
476	D	0	3	1		K	S	0	1	T	0	4				Includes Debris
477	D	0	3	2		K	S	0	1	T	0	4				Includes Debris
478	D	0	3	3		K	S	0	1	T	0	4				Includes Debris
479	D	0	3	4		K	S	0	1	T	0	4				Includes Debris
480	D	0	3	5		K	S	0	1	T	0	4				Includes Debris
481	D	0	3	6		K	S	0	1	T	0	4				Includes Debris
482	D	0	3	7		K	S	0	1	T	0	4				Includes Debris
483	D	0	3	8		K	S	0	1	T	0	4				Includes Debris
484	D	0	3	9		K	S	0	1	T	0	4				Includes Debris
485	D	0	4	0		K	S	0	1	T	0	4				Includes Debris
486	D	0	4	1		K	S	0	1	T	0	4				Includes Debris
487	D	0	4	2		K	S	0	1	T	0	4				Includes Debris
488	D	0	4	3		K	S	0	1	T	0	4				Includes Debris
489	W	P	C	B		K	S	0	1	T	0	4				Includes Debris
490	W	T	0	1		K	S	0	1	T	0	4				Includes Debris
491	W	T	0	2		K	S	0	1	T	0	4				Includes Debris
492	W	P	0	1		K	S	0	1	T	0	4				Includes Debris
493	W	P	0	2		K	S	0	1	T	0	4				Includes Debris
494	W	P	0	3		K	S	0	1	T	0	4				Includes Debris
495	W	S	C	2		K	S	0	1	T	0	4				Includes Debris
496	F	0	0	1		K	S	0	1	T	0	4				Includes Debris
497	F	0	0	2		K	S	0	1	T	0	4				Includes Debris
498	F	0	0	3		K	S	0	1	T	0	4				Includes Debris
499	F	0	0	4		K	S	0	1	T	0	4				Includes Debris
500	F	0	0	5		K	S	0	1	T	0	4				Includes Debris
501	F	0	0	6		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

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)]
502	F	0	0	7		K	S	0	1	T	0	4				Includes Debris
503	F	0	0	8		K	S	0	1	T	0	4				Includes Debris
504	F	0	0	9		K	S	0	1	T	0	4				Includes Debris
505	F	0	1	0		K	S	0	1	T	0	4				Includes Debris
506	F	0	1	1		K	S	0	1	T	0	4				Includes Debris
507	F	0	1	2		K	S	0	1	T	0	4				Includes Debris
508	F	0	1	9		K	S	0	1	T	0	4				Includes Debris
509	F	0	2	0		K	S	0	1	T	0	4				Includes Debris
510	F	0	2	1		K	S	0	1	T	0	4				Includes Debris
511	F	0	2	2		K	S	0	1	T	0	4				Includes Debris
512	F	0	2	3		K	S	0	1	T	0	4				Includes Debris
513	F	0	2	6		K	S	0	1	T	0	4				Includes Debris
514	F	0	2	7		K	S	0	1	T	0	4				Includes Debris
515	F	0	2	8		K	S	0	1	T	0	4				Includes Debris
516	F	0	2	9		K	S	0	1	T	0	4				Includes Debris
517	U	0	0	1		K	S	0	1	T	0	4				Includes Debris
518	U	0	0	2		K	S	0	1	T	0	4				Includes Debris
519	U	0	0	3		K	S	0	1	T	0	4				Includes Debris
520	U	0	0	4		K	S	0	1	T	0	4				Includes Debris
521	U	0	0	5		K	S	0	1	T	0	4				Includes Debris
522	U	0	0	6		K	S	0	1	T	0	4				Includes Debris
523	U	0	0	7		K	S	0	1	T	0	4				Includes Debris
524	U	0	0	8		K	S	0	1	T	0	4				Includes Debris
525	U	0	0	9		K	S	0	1	T	0	4				Includes Debris
526	U	0	1	0		K	S	0	1	T	0	4				Includes Debris
527	U	0	1	1		K	S	0	1	T	0	4				Includes Debris
528	U	0	1	2		K	S	0	1	T	0	4				Includes Debris
529	U	0	1	4		K	S	0	1	T	0	4				Includes Debris
530	U	0	1	5		K	S	0	1	T	0	4				Includes Debris
531	U	0	1	6		K	S	0	1	T	0	4				Includes Debris
532	U	0	1	7		K	S	0	1	T	0	4				Includes Debris
533	U	0	1	8		K	S	0	1	T	0	4				Includes Debris
534	U	0	1	9		K	S	0	1	T	0	4				Includes Debris
535	U	0	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

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)]
536	U	0	2	1		K	S	0	1	T	0	4				Includes Debris
537	U	0	2	2		K	S	0	1	T	0	4				Includes Debris
538	U	0	2	3		K	S	0	1	T	0	4				Includes Debris
539	U	0	2	4		K	S	0	1	T	0	4				Includes Debris
540	U	0	2	5		K	S	0	1	T	0	4				Includes Debris
541	U	0	2	6		K	S	0	1	T	0	4				Includes Debris
542	U	0	2	7		K	S	0	1	T	0	4				Includes Debris
543	U	0	2	8		K	S	0	1	T	0	4				Includes Debris
544	U	0	2	9		K	S	0	1	T	0	4				Includes Debris
545	U	0	3	0		K	S	0	1	T	0	4				Includes Debris
546	U	0	3	1		K	S	0	1	T	0	4				Includes Debris
547	U	0	3	2		K	S	0	1	T	0	4				Includes Debris
548	U	0	3	3		K	S	0	1	T	0	4				Includes Debris
549	U	0	3	4		K	S	0	1	T	0	4				Includes Debris
550	U	0	3	5		K	S	0	1	T	0	4				Includes Debris
551	U	0	3	6		K	S	0	1	T	0	4				Includes Debris
552	U	0	3	7		K	S	0	1	T	0	4				Includes Debris
553	U	0	3	8		K	S	0	1	T	0	4				Includes Debris
554	U	0	3	9		K	S	0	1	T	0	4				Includes Debris
555	U	0	4	1		K	S	0	1	T	0	4				Includes Debris
556	U	0	4	2		K	S	0	1	T	0	4				Includes Debris
557	U	0	4	3		K	S	0	1	T	0	4				Includes Debris
558	U	0	4	4		K	S	0	1	T	0	4				Includes Debris
559	U	0	4	5		K	S	0	1	T	0	4				Includes Debris
560	U	0	4	6		K	S	0	1	T	0	4				Includes Debris
561	U	0	4	7		K	S	0	1	T	0	4				Includes Debris
562	U	0	4	8		K	S	0	1	T	0	4				Includes Debris
563	U	0	4	9		K	S	0	1	T	0	4				Includes Debris
564	U	0	5	0		K	S	0	1	T	0	4				Includes Debris
565	U	0	5	1		K	S	0	1	T	0	4				Includes Debris
566	U	0	5	2		K	S	0	1	T	0	4				Includes Debris
567	U	0	5	3		K	S	0	1	T	0	4				Includes Debris
568	U	0	5	5		K	S	0	1	T	0	4				Includes Debris
569	U	0	5	6		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

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)]
570	U	0	5	7		K	S	0	1	T	0	4				Includes Debris
571	U	0	5	8		K	S	0	1	T	0	4				Includes Debris
572	U	0	5	9		K	S	0	1	T	0	4				Includes Debris
573	U	0	6	0		K	S	0	1	T	0	4				Includes Debris
574	U	0	6	1		K	S	0	1	T	0	4				Includes Debris
575	U	0	6	2		K	S	0	1	T	0	4				Includes Debris
576	U	0	6	3		K	S	0	1	T	0	4				Includes Debris
577	U	0	6	4		K	S	0	1	T	0	4				Includes Debris
578	U	0	6	6		K	S	0	1	T	0	4				Includes Debris
579	U	0	6	7		K	S	0	1	T	0	4				Includes Debris
580	U	0	6	8		K	S	0	1	T	0	4				Includes Debris
581	U	0	6	9		K	S	0	1	T	0	4				Includes Debris
582	U	0	7	0		K	S	0	1	T	0	4				Includes Debris
583	U	0	7	1		K	S	0	1	T	0	4				Includes Debris
584	U	0	7	2		K	S	0	1	T	0	4				Includes Debris
585	U	0	7	3		K	S	0	1	T	0	4				Includes Debris
586	U	0	7	4		K	S	0	1	T	0	4				Includes Debris
587	U	0	7	5		K	S	0	1	T	0	4				Includes Debris
588	U	0	7	6		K	S	0	1	T	0	4				Includes Debris
589	U	0	7	7		K	S	0	1	T	0	4				Includes Debris
590	U	0	7	8		K	S	0	1	T	0	4				Includes Debris
591	U	0	7	9		K	S	0	1	T	0	4				Includes Debris
592	U	0	8	0		K	S	0	1	T	0	4				Includes Debris
593	U	0	8	1		K	S	0	1	T	0	4				Includes Debris
594	U	0	8	2		K	S	0	1	T	0	4				Includes Debris
595	U	0	8	3		K	S	0	1	T	0	4				Includes Debris
596	U	0	8	4		K	S	0	1	T	0	4				Includes Debris
597	U	0	8	5		K	S	0	1	T	0	4				Includes Debris
598	U	0	8	6		K	S	0	1	T	0	4				Includes Debris
599	U	0	8	7		K	S	0	1	T	0	4				Includes Debris
600	U	0	8	8		K	S	0	1	T	0	4				Includes Debris
601	U	0	8	9		K	S	0	1	T	0	4				Includes Debris
602	U	0	9	0		K	S	0	1	T	0	4				Includes Debris
603	U	0	9	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

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)]
604	U	0	9	2		K	S	0	1	T	0	4				Includes Debris
605	U	0	9	3		K	S	0	1	T	0	4				Includes Debris
606	U	0	9	4		K	S	0	1	T	0	4				Includes Debris
607	U	0	9	5		K	S	0	1	T	0	4				Includes Debris
608	U	0	9	6		K	S	0	1	T	0	4				Includes Debris
609	U	0	9	7		K	S	0	1	T	0	4				Includes Debris
610	U	0	9	8		K	S	0	1	T	0	4				Includes Debris
611	U	0	9	9		K	S	0	1	T	0	4				Includes Debris
612	U	1	0	1		K	S	0	1	T	0	4				Includes Debris
613	U	1	0	2		K	S	0	1	T	0	4				Includes Debris
614	U	1	0	3		K	S	0	1	T	0	4				Includes Debris
615	U	1	0	5		K	S	0	1	T	0	4				Includes Debris
616	U	1	0	6		K	S	0	1	T	0	4				Includes Debris
617	U	1	0	7		K	S	0	1	T	0	4				Includes Debris
618	U	1	0	8		K	S	0	1	T	0	4				Includes Debris
619	U	1	0	9		K	S	0	1	T	0	4				Includes Debris
620	U	1	1	0		K	S	0	1	T	0	4				Includes Debris
621	U	1	1	1		K	S	0	1	T	0	4				Includes Debris
622	U	1	1	2		K	S	0	1	T	0	4				Includes Debris
623	U	1	1	3		K	S	0	1	T	0	4				Includes Debris
624	U	1	1	4		K	S	0	1	T	0	4				Includes Debris
625	U	1	1	5		K	S	0	1	T	0	4				Includes Debris
626	U	1	1	6		K	S	0	1	T	0	4				Includes Debris
627	U	1	1	7		K	S	0	1	T	0	4				Includes Debris
628	U	1	1	8		K	S	0	1	T	0	4				Includes Debris
629	U	1	1	9		K	S	0	1	T	0	4				Includes Debris
630	U	1	2	0		K	S	0	1	T	0	4				Includes Debris
631	U	1	2	1		K	S	0	1	T	0	4				Includes Debris
632	U	1	2	2		K	S	0	1	T	0	4				Includes Debris
633	U	1	2	3		K	S	0	1	T	0	4				Includes Debris
634	U	1	2	4		K	S	0	1	T	0	4				Includes Debris
635	U	1	2	5		K	S	0	1	T	0	4				Includes Debris
636	U	1	2	6		K	S	0	1	T	0	4				Includes Debris
637	U	1	2	7		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

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)]
638	U	1	2	8		K	S	0	1	T	0	4				Includes Debris
639	U	1	2	9		K	S	0	1	T	0	4				Includes Debris
640	U	1	3	0		K	S	0	1	T	0	4				Includes Debris
641	U	1	3	1		K	S	0	1	T	0	4				Includes Debris
642	U	1	3	2		K	S	0	1	T	0	4				Includes Debris
643	U	1	3	3		K	S	0	1	T	0	4				Includes Debris
644	U	1	3	4		K	S	0	1	T	0	4				Includes Debris
645	U	1	3	5		K	S	0	1	T	0	4				Includes Debris
646	U	1	3	6		K	S	0	1	T	0	4				Includes Debris
647	U	1	3	7		K	S	0	1	T	0	4				Includes Debris
648	U	1	3	8		K	S	0	1	T	0	4				Includes Debris
649	U	1	4	0		K	S	0	1	T	0	4				Includes Debris
650	U	1	4	1		K	S	0	1	T	0	4				Includes Debris
651	U	1	4	2		K	S	0	1	T	0	4				Includes Debris
652	U	1	4	3		K	S	0	1	T	0	4				Includes Debris
653	U	1	4	4		K	S	0	1	T	0	4				Includes Debris
654	U	1	4	5		K	S	0	1	T	0	4				Includes Debris
655	U	1	4	6		K	S	0	1	T	0	4				Includes Debris
656	U	1	4	7		K	S	0	1	T	0	4				Includes Debris
657	U	1	4	8		K	S	0	1	T	0	4				Includes Debris
658	U	1	4	9		K	S	0	1	T	0	4				Includes Debris
659	U	1	5	0		K	S	0	1	T	0	4				Includes Debris
660	U	1	5	1		K	S	0	1	T	0	4				Includes Debris
661	U	1	5	2		K	S	0	1	T	0	4				Includes Debris
662	U	1	5	3		K	S	0	1	T	0	4				Includes Debris
663	U	1	5	4		K	S	0	1	T	0	4				Includes Debris
664	U	1	5	5		K	S	0	1	T	0	4				Includes Debris
665	U	1	5	6		K	S	0	1	T	0	4				Includes Debris
666	U	1	5	7		K	S	0	1	T	0	4				Includes Debris
667	U	1	5	8		K	S	0	1	T	0	4				Includes Debris
668	U	1	5	9		K	S	0	1	T	0	4				Includes Debris
669	U	1	6	0		K	S	0	1	T	0	4				Includes Debris
670	U	1	6	1		K	S	0	1	T	0	4				Includes Debris
671	U	1	6	2		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

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)]
672	U	1	6	3		K	S	0	1	T	0	4				Includes Debris
673	U	1	6	4		K	S	0	1	T	0	4				Includes Debris
674	U	1	6	5		K	S	0	1	T	0	4				Includes Debris
675	U	1	6	6		K	S	0	1	T	0	4				Includes Debris
676	U	1	6	7		K	S	0	1	T	0	4				Includes Debris
677	U	1	6	8		K	S	0	1	T	0	4				Includes Debris
678	U	1	6	9		K	S	0	1	T	0	4				Includes Debris
679	U	1	7	0		K	S	0	1	T	0	4				Includes Debris
680	U	1	7	1		K	S	0	1	T	0	4				Includes Debris
681	U	1	7	2		K	S	0	1	T	0	4				Includes Debris
682	U	1	7	3		K	S	0	1	T	0	4				Includes Debris
683	U	1	7	4		K	S	0	1	T	0	4				Includes Debris
684	U	1	7	6		K	S	0	1	T	0	4				Includes Debris
685	U	1	7	7		K	S	0	1	T	0	4				Includes Debris
686	U	1	7	8		K	S	0	1	T	0	4				Includes Debris
687	U	1	7	9		K	S	0	1	T	0	4				Includes Debris
688	U	1	8	0		K	S	0	1	T	0	4				Includes Debris
689	U	1	8	1		K	S	0	1	T	0	4				Includes Debris
690	U	1	8	2		K	S	0	1	T	0	4				Includes Debris
691	U	1	8	3		K	S	0	1	T	0	4				Includes Debris
692	U	1	8	4		K	S	0	1	T	0	4				Includes Debris
693	U	1	8	5		K	S	0	1	T	0	4				Includes Debris
694	U	1	8	6		K	S	0	1	T	0	4				Includes Debris
695	U	1	8	7		K	S	0	1	T	0	4				Includes Debris
696	U	1	8	8		K	S	0	1	T	0	4				Includes Debris
697	U	1	8	9		K	S	0	1	T	0	4				Includes Debris
698	U	1	9	0		K	S	0	1	T	0	4				Includes Debris
699	U	1	9	1		K	S	0	1	T	0	4				Includes Debris
700	U	1	9	2		K	S	0	1	T	0	4				Includes Debris
701	U	1	9	3		K	S	0	1	T	0	4				Includes Debris
702	U	1	9	4		K	S	0	1	T	0	4				Includes Debris
703	U	1	9	6		K	S	0	1	T	0	4				Includes Debris
704	U	1	9	7		K	S	0	1	T	0	4				Includes Debris
705	U	2	0	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

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)]
706	U	2	0	1		K	S	0	1	T	0	4				Includes Debris
707	U	2	0	2		K	S	0	1	T	0	4				Includes Debris
708	U	2	0	3		K	S	0	1	T	0	4				Includes Debris
709	U	2	0	4		K	S	0	1	T	0	4				Includes Debris
710	U	2	0	5		K	S	0	1	T	0	4				Includes Debris
711	U	2	0	6		K	S	0	1	T	0	4				Includes Debris
712	U	2	0	7		K	S	0	1	T	0	4				Includes Debris
713	U	2	0	8		K	S	0	1	T	0	4				Includes Debris
714	U	2	0	9		K	S	0	1	T	0	4				Includes Debris
715	U	2	1	0		K	S	0	1	T	0	4				Includes Debris
716	U	2	1	1		K	S	0	1	T	0	4				Includes Debris
717	U	2	1	3		K	S	0	1	T	0	4				Includes Debris
718	U	2	1	4		K	S	0	1	T	0	4				Includes Debris
719	U	2	1	5		K	S	0	1	T	0	4				Includes Debris
720	U	2	1	6		K	S	0	1	T	0	4				Includes Debris
721	U	2	1	7		K	S	0	1	T	0	4				Includes Debris
722	U	2	1	8		K	S	0	1	T	0	4				Includes Debris
723	U	2	1	9		K	S	0	1	T	0	4				Includes Debris
724	U	2	2	0		K	S	0	1	T	0	4				Includes Debris
725	U	2	2	1		K	S	0	1	T	0	4				Includes Debris
726	U	2	2	2		K	S	0	1	T	0	4				Includes Debris
727	U	2	2	3		K	S	0	1	T	0	4				Includes Debris
728	U	2	2	5		K	S	0	1	T	0	4				Includes Debris
729	U	2	2	6		K	S	0	1	T	0	4				Includes Debris
730	U	2	2	7		K	S	0	1	T	0	4				Includes Debris
731	U	2	2	8		K	S	0	1	T	0	4				Includes Debris
732	U	2	3	4		K	S	0	1	T	0	4				Includes Debris
733	U	2	3	5		K	S	0	1	T	0	4				Includes Debris
734	U	2	3	6		K	S	0	1	T	0	4				Includes Debris
735	U	2	3	7		K	S	0	1	T	0	4				Includes Debris
736	U	2	3	8		K	S	0	1	T	0	4				Includes Debris
737	U	2	3	9		K	S	0	1	T	0	4				Includes Debris
738	U	2	4	0		K	S	0	1	T	0	4				Includes Debris
739	U	2	4	3		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

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)]
740	U	2	4	4		K	S	0	1	T	0	4				Includes Debris
741	U	2	4	6		K	S	0	1	T	0	4				Includes Debris
742	U	2	4	7		K	S	0	1	T	0	4				Includes Debris
743	U	2	4	8		K	S	0	1	T	0	4				Includes Debris
744	U	2	4	9		K	S	0	1	T	0	4				Includes Debris
745	U	2	7	1		K	S	0	1	T	0	4				Includes Debris
746	U	2	7	8		K	S	0	1	T	0	4				Includes Debris
747	U	2	7	9		K	S	0	1	T	0	4				Includes Debris
748	U	2	8	0		K	S	0	1	T	0	4				Includes Debris
749	U	3	2	8		K	S	0	1	T	0	4				Includes Debris
750	U	3	5	3		K	S	0	1	T	0	4				Includes Debris
751	U	3	5	9		K	S	0	1	T	0	4				Includes Debris
752	U	3	6	4		K	S	0	1	T	0	4				Includes Debris
753	U	3	6	7		K	S	0	1	T	0	4				Includes Debris
754	U	3	7	2		K	S	0	1	T	0	4				Includes Debris
755	U	3	7	3		K	S	0	1	T	0	4				Includes Debris
756	U	3	8	7		K	S	0	1	T	0	4				Includes Debris
757	U	3	8	9		K	S	0	1	T	0	4				Includes Debris
758	U	3	9	4		K	S	0	1	T	0	4				Includes Debris
759	U	3	9	5		K	S	0	1	T	0	4				Includes Debris
760	U	4	0	4		K	S	0	1	T	0	4				Includes Debris
761	U	4	0	9		K	S	0	1	T	0	4				Includes Debris
762	U	4	1	0		K	S	0	1	T	0	4				Includes Debris
763	U	4	1	1		K	S	0	1	T	0	4				Includes Debris
764	P	0	0	1		K	S	0	1	T	0	4				Includes Debris
765	P	0	0	2		K	S	0	1	T	0	4				Includes Debris
766	P	0	0	3		K	S	0	1	T	0	4				Includes Debris
767	P	0	0	4		K	S	0	1	T	0	4				Includes Debris
768	P	0	0	5		K	S	0	1	T	0	4				Includes Debris
769	P	0	0	6		K	S	0	1	T	0	4				Includes Debris
770	P	0	0	8		K	S	0	1	T	0	4				Includes Debris
771	P	0	0	9		K	S	0	1	T	0	4				Includes Debris
772	P	0	1	0		K	S	0	1	T	0	4				Includes Debris
773	P	0	1	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

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)]
774	P	0	1	2		K	S	0	1	T	0	4				Includes Debris
775	P	0	1	3		K	S	0	1	T	0	4				Includes Debris
776	P	0	1	4		K	S	0	1	T	0	4				Includes Debris
777	P	0	1	5		K	S	0	1	T	0	4				Includes Debris
778	P	0	1	6		K	S	0	1	T	0	4				Includes Debris
779	P	0	1	7		K	S	0	1	T	0	4				Includes Debris
780	P	0	1	8		K	S	0	1	T	0	4				Includes Debris
781	P	0	2	0		K	S	0	1	T	0	4				Includes Debris
782	P	0	2	1		K	S	0	1	T	0	4				Includes Debris
783	P	0	2	2		K	S	0	1	T	0	4				Includes Debris
784	P	0	2	3		K	S	0	1	T	0	4				Includes Debris
785	P	0	2	4		K	S	0	1	T	0	4				Includes Debris
786	P	0	2	6		K	S	0	1	T	0	4				Includes Debris
787	P	0	2	7		K	S	0	1	T	0	4				Includes Debris
788	P	0	2	8		K	S	0	1	T	0	4				Includes Debris
789	P	0	2	9		K	S	0	1	T	0	4				Includes Debris
790	P	0	3	0		K	S	0	1	T	0	4				Includes Debris
791	P	0	3	1		K	S	0	1	T	0	4				Includes Debris
792	P	0	3	3		K	S	0	1	T	0	4				Includes Debris
793	P	0	3	4		K	S	0	1	T	0	4				Includes Debris
794	P	0	3	6		K	S	0	1	T	0	4				Includes Debris
795	P	0	3	7		K	S	0	1	T	0	4				Includes Debris
796	P	0	3	8		K	S	0	1	T	0	4				Includes Debris
797	P	0	3	9		K	S	0	1	T	0	4				Includes Debris
798	P	0	4	0		K	S	0	1	T	0	4				Includes Debris
799	P	0	4	1		K	S	0	1	T	0	4				Includes Debris
800	P	0	4	2		K	S	0	1	T	0	4				Includes Debris
801	P	0	4	3		K	S	0	1	T	0	4				Includes Debris
802	P	0	4	4		K	S	0	1	T	0	4				Includes Debris
803	P	0	4	5		K	S	0	1	T	0	4				Includes Debris
804	P	0	4	6		K	S	0	1	T	0	4				Includes Debris
805	P	0	4	7		K	S	0	1	T	0	4				Includes Debris
806	P	0	4	8		K	S	0	1	T	0	4				Includes Debris
807	P	0	4	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

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)]
808	P	0	5	0		K	S	0	1	T	0	4				Includes Debris
809	P	0	5	1		K	S	0	1	T	0	4				Includes Debris
810	P	0	5	4		K	S	0	1	T	0	4				Includes Debris
811	P	0	5	6		K	S	0	1	T	0	4				Includes Debris
812	P	0	5	7		K	S	0	1	T	0	4				Includes Debris
813	P	0	5	8		K	S	0	1	T	0	4				Includes Debris
814	P	0	5	9		K	S	0	1	T	0	4				Includes Debris
815	P	0	6	0		K	S	0	1	T	0	4				Includes Debris
816	P	0	6	2		K	S	0	1	T	0	4				Includes Debris
817	P	0	6	3		K	S	0	1	T	0	4				Includes Debris
818	P	0	6	4		K	S	0	1	T	0	4				Includes Debris
819	P	0	6	5		K	S	0	1	T	0	4				Includes Debris
820	P	0	6	6		K	S	0	1	T	0	4				Includes Debris
821	P	0	6	7		K	S	0	1	T	0	4				Includes Debris
822	P	0	6	8		K	S	0	1	T	0	4				Includes Debris
823	P	0	6	9		K	S	0	1	T	0	4				Includes Debris
824	P	0	7	0		K	S	0	1	T	0	4				Includes Debris
825	P	0	7	1		K	S	0	1	T	0	4				Includes Debris
826	P	0	7	2		K	S	0	1	T	0	4				Includes Debris
827	P	0	7	3		K	S	0	1	T	0	4				Includes Debris
828	P	0	7	4		K	S	0	1	T	0	4				Includes Debris
829	P	0	7	5		K	S	0	1	T	0	4				Includes Debris
830	P	0	7	6		K	S	0	1	T	0	4				Includes Debris
831	P	0	7	7		K	S	0	1	T	0	4				Includes Debris
832	P	0	7	8		K	S	0	1	T	0	4				Includes Debris
833	P	0	8	1		K	S	0	1	T	0	4				Includes Debris
834	P	0	8	2		K	S	0	1	T	0	4				Includes Debris
835	P	0	8	4		K	S	0	1	T	0	4				Includes Debris
836	P	0	8	5		K	S	0	1	T	0	4				Includes Debris
837	P	0	8	7		K	S	0	1	T	0	4				Includes Debris
838	P	0	8	8		K	S	0	1	T	0	4				Includes Debris
839	P	0	8	9		K	S	0	1	T	0	4				Includes Debris
840	P	0	9	2		K	S	0	1	T	0	4				Includes Debris
841	P	0	9	3		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

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)]
842	P	0	9	4		K	S	0	1	T	0	4				Includes Debris
843	P	0	9	5		K	S	0	1	T	0	4				Includes Debris
844	P	0	9	6		K	S	0	1	T	0	4				Includes Debris
845	P	0	9	7		K	S	0	1	T	0	4				Includes Debris
846	P	0	9	8		K	S	0	1	T	0	4				Includes Debris
847	P	0	9	9		K	S	0	1	T	0	4				Includes Debris
848	P	1	0	1		K	S	0	1	T	0	4				Includes Debris
849	P	1	0	2		K	S	0	1	T	0	4				Includes Debris
850	P	1	0	3		K	S	0	1	T	0	4				Includes Debris
851	P	1	0	4		K	S	0	1	T	0	4				Includes Debris
852	P	1	0	5		K	S	0	1	T	0	4				Includes Debris
853	P	1	0	6		K	S	0	1	T	0	4				Includes Debris
854	P	1	0	8		K	S	0	1	T	0	4				Includes Debris
855	P	1	0	9		K	S	0	1	T	0	4				Includes Debris
856	P	1	1	0		K	S	0	1	T	0	4				Includes Debris
857	P	1	1	1		K	S	0	1	T	0	4				Includes Debris
858	P	1	1	2		K	S	0	1	T	0	4				Includes Debris
859	P	1	1	3		K	S	0	1	T	0	4				Includes Debris
860	P	1	1	4		K	S	0	1	T	0	4				Includes Debris
861	P	1	1	5		K	S	0	1	T	0	4				Includes Debris
862	P	1	1	6		K	S	0	1	T	0	4				Includes Debris
863	P	1	1	8		K	S	0	1	T	0	4				Includes Debris
864	P	1	1	9		K	S	0	1	T	0	4				Includes Debris
865	P	1	2	0		K	S	0	1	T	0	4				Includes Debris
866	P	1	2	1		K	S	0	1	T	0	4				Includes Debris
867	P	1	2	2		K	S	0	1	T	0	4				Includes Debris
868	P	1	2	3		K	S	0	1	T	0	4				Includes Debris
869	P	1	2	7		K	S	0	1	T	0	4				Includes Debris
870	P	1	2	8		K	S	0	1	T	0	4				Includes Debris
871	P	1	8	5		K	S	0	1	T	0	4				Includes Debris
872	P	1	8	8		K	S	0	1	T	0	4				Includes Debris
873	P	1	8	9		K	S	0	1	T	0	4				Includes Debris
874	P	1	9	0		K	S	0	1	T	0	4				Includes Debris
875	P	1	9	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

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)]
876	P	1	9	2		K	S	0	1	T	0	4				Includes Debris
877	P	1	9	4		K	S	0	1	T	0	4				Includes Debris
878	P	1	9	6		K	S	0	1	T	0	4				Includes Debris
879	P	1	9	7		K	S	0	1	T	0	4				Includes Debris
880	P	1	9	8		K	S	0	1	T	0	4				Includes Debris
881	P	1	9	9		K	S	0	1	T	0	4				Includes Debris
882	P	2	0	1		K	S	0	1	T	0	4				Includes Debris
883	P	2	0	2		K	S	0	1	T	0	4				Includes Debris
884	P	2	0	3		K	S	0	1	T	0	4				Includes Debris
885	P	2	0	4		K	S	0	1	T	0	4				Includes Debris
886	P	2	0	5		K	S	0	1	T	0	4				Includes Debris
887	D	0	0	1	4,535,924	K	S	0	6	X	9	9	T	0	4	Includes Debris
888	D	0	0	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
889	D	0	0	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
890	D	0	0	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
891	D	0	0	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
892	D	0	0	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
893	D	0	0	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
894	D	0	0	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
895	D	0	0	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
896	D	0	1	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
897	D	0	1	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
898	D	0	1	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
899	D	0	1	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
900	D	0	1	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
901	D	0	1	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
902	D	0	1	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
903	D	0	1	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
904	D	0	1	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
905	D	0	1	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
906	D	0	2	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
907	D	0	2	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
908	D	0	2	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
909	D	0	2	3		K	S	0	6	X	9	9	T	0	4	Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

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)]
910	D	0	2	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
911	D	0	2	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
912	D	0	2	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
913	D	0	2	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
914	D	0	2	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
915	D	0	2	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
916	D	0	3	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
917	D	0	3	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
918	D	0	3	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
919	D	0	3	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
920	D	0	3	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
921	D	0	3	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
922	D	0	3	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
923	D	0	3	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
924	D	0	3	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
925	D	0	3	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
926	D	0	4	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
927	D	0	4	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
928	D	0	4	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
929	D	0	4	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
930	W	P	C	B		K	S	0	6	X	9	9	T	0	4	Includes Debris
931	W	T	0	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
932	W	T	0	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
933	W	P	0	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
934	W	P	0	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
935	W	P	0	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
936	W	S	C	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
937	F	0	0	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
938	F	0	0	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
939	F	0	0	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
940	F	0	0	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
941	F	0	0	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
942	F	0	0	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
943	F	0	0	7		K	S	0	6	X	9	9	T	0	4	Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

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)]
944	F	0	0	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
945	F	0	0	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
946	F	0	1	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
947	F	0	1	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
948	F	0	1	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
949	F	0	1	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
950	F	0	2	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
951	F	0	2	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
952	F	0	2	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
953	F	0	2	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
954	F	0	2	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
955	F	0	2	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
956	F	0	2	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
957	F	0	3	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
958	U	0	0	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
959	U	0	0	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
960	U	0	0	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
961	U	0	0	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
962	U	0	0	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
963	U	0	0	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
964	U	0	0	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
965	U	0	0	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
966	U	0	0	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
967	U	0	1	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
968	U	0	1	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
969	U	0	1	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
970	U	0	1	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
971	U	0	1	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
972	U	0	1	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
973	U	0	1	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
974	U	0	1	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
975	U	0	1	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
976	U	0	2	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
977	U	0	2	1		K	S	0	6	X	9	9	T	0	4	Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

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)]
978	U	0	2	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
979	U	0	2	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
980	U	0	2	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
981	U	0	2	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
982	U	0	2	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
983	U	0	2	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
984	U	0	2	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
985	U	0	2	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
986	U	0	3	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
987	U	0	3	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
988	U	0	3	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
989	U	0	3	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
990	U	0	3	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
991	U	0	3	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
992	U	0	3	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
993	U	0	3	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
994	U	0	3	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
995	U	0	3	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
996	U	0	4	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
997	U	0	4	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
998	U	0	4	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
999	U	0	4	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
1000	U	0	4	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
1001	U	0	4	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
1002	U	0	4	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
1003	U	0	4	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
1004	U	0	4	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
1005	U	0	5	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
1006	U	0	5	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
1007	U	0	5	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
1008	U	0	5	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
1009	U	0	5	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
1010	U	0	5	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
1011	U	0	5	7		K	S	0	6	X	9	9	T	0	4	Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

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)]
1012	U	0	5	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
1013	U	0	5	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
1014	U	0	6	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
1015	U	0	6	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
1016	U	0	6	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
1017	U	0	6	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
1018	U	0	6	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
1019	U	0	6	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
1020	U	0	6	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
1021	U	0	6	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
1022	U	0	6	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
1023	U	0	7	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
1024	U	0	7	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
1025	U	0	7	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
1026	U	0	7	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
1027	U	0	7	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
1028	U	0	7	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
1029	U	0	7	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
1030	U	0	7	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
1031	U	0	7	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
1032	U	0	7	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
1033	U	0	8	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
1034	U	0	8	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
1035	U	0	8	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
1036	U	0	8	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
1037	U	0	8	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
1038	U	0	8	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
1039	U	0	8	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
1040	U	0	8	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
1041	U	0	8	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
1042	U	0	8	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
1043	U	0	9	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
1044	U	0	9	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
1045	U	0	9	2		K	S	0	6	X	9	9	T	0	4	Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

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)]
1046	U	0	9	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
1047	U	0	9	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
1048	U	0	9	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
1049	U	0	9	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
1050	U	0	9	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
1051	U	0	9	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
1052	U	0	9	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
1053	U	1	0	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
1054	U	1	0	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
1055	U	1	0	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
1056	U	1	0	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
1057	U	1	0	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
1058	U	1	0	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
1059	U	1	0	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
1060	U	1	0	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
1061	U	1	1	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
1062	U	1	1	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
1063	U	1	1	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
1064	U	1	1	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
1065	U	1	1	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
1066	U	1	1	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
1067	U	1	1	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
1068	U	1	1	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
1069	U	1	1	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
1070	U	1	1	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
1071	U	1	2	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
1072	U	1	2	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
1073	U	1	2	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
1074	U	1	2	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
1075	U	1	2	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
1076	U	1	2	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
1077	U	1	2	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
1078	U	1	2	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
1079	U	1	2	8		K	S	0	6	X	9	9	T	0	4	Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

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)]
1080	U	1	2	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
1081	U	1	3	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
1082	U	1	3	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
1083	U	1	3	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
1084	U	1	3	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
1085	U	1	3	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
1086	U	1	3	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
1087	U	1	3	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
1088	U	1	3	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
1089	U	1	3	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
1090	U	1	4	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
1091	U	1	4	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
1092	U	1	4	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
1093	U	1	4	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
1094	U	1	4	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
1095	U	1	4	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
1096	U	1	4	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
1097	U	1	4	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
1098	U	1	4	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
1099	U	1	4	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
1100	U	1	5	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
1101	U	1	5	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
1102	U	1	5	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
1103	U	1	5	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
1104	U	1	5	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
1105	U	1	5	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
1106	U	1	5	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
1107	U	1	5	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
1108	U	1	5	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
1109	U	1	5	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
1110	U	1	6	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
1111	U	1	6	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
1112	U	1	6	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
1113	U	1	6	3		K	S	0	6	X	9	9	T	0	4	Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

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)]
1114	U	1	6	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
1115	U	1	6	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
1116	U	1	6	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
1117	U	1	6	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
1118	U	1	6	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
1119	U	1	6	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
1120	U	1	7	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
1121	U	1	7	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
1122	U	1	7	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
1123	U	1	7	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
1124	U	1	7	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
1125	U	1	7	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
1126	U	1	7	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
1127	U	1	7	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
1128	U	1	7	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
1129	U	1	8	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
1130	U	1	8	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
1131	U	1	8	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
1132	U	1	8	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
1133	U	1	8	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
1134	U	1	8	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
1135	U	1	8	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
1136	U	1	8	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
1137	U	1	8	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
1138	U	1	8	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
1139	U	1	9	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
1140	U	1	9	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
1141	U	1	9	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
1142	U	1	9	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
1143	U	1	9	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
1144	U	1	9	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
1145	U	1	9	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
1146	U	2	0	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
1147	U	2	0	1		K	S	0	6	X	9	9	T	0	4	Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

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)]
1148	U	2	0	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
1149	U	2	0	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
1150	U	2	0	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
1151	U	2	0	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
1152	U	2	0	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
1153	U	2	0	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
1154	U	2	0	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
1155	U	2	0	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
1156	U	2	1	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
1157	U	2	1	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
1158	U	2	1	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
1159	U	2	1	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
1160	U	2	1	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
1161	U	2	1	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
1162	U	2	1	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
1163	U	2	1	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
1164	U	2	1	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
1165	U	2	2	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
1166	U	2	2	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
1167	U	2	2	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
1168	U	2	2	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
1169	U	2	2	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
1170	U	2	2	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
1171	U	2	2	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
1172	U	2	2	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
1173	U	2	3	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
1174	U	2	3	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
1175	U	2	3	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
1176	U	2	3	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
1177	U	2	3	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
1178	U	2	3	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
1179	U	2	4	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
1180	U	2	4	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
1181	U	2	4	4		K	S	0	6	X	9	9	T	0	4	Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

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)]
1182	U	2	4	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
1183	U	2	4	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
1184	U	2	4	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
1185	U	2	4	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
1186	U	2	7	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
1187	U	2	7	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
1188	U	2	7	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
1189	U	2	8	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
1190	U	3	2	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
1191	U	3	5	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
1192	U	3	5	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
1193	U	3	6	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
1194	U	3	6	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
1195	U	3	7	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
1196	U	3	7	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
1197	U	3	8	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
1198	U	3	8	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
1199	U	3	9	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
1200	U	3	9	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
1201	U	4	0	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
1202	U	4	0	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
1203	U	4	0	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
1204	U	4	0	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
1205	U	4	0	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
1206	U	4	1	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
1207	U	4	1	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
1208	P	0	0	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
1209	P	0	0	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
1210	P	0	0	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
1211	P	0	0	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
1212	P	0	0	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
1213	P	0	0	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
1214	P	0	0	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
1215	P	0	0	8		K	S	0	6	X	9	9	T	0	4	Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

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)]
1216	P	0	0	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
1217	P	0	1	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
1218	P	0	1	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
1219	P	0	1	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
1220	P	0	1	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
1221	P	0	1	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
1222	P	0	1	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
1223	P	0	1	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
1224	P	0	1	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
1225	P	0	1	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
1226	P	0	2	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
1227	P	0	2	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
1228	P	0	2	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
1229	P	0	2	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
1230	P	0	2	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
1231	P	0	2	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
1232	P	0	2	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
1233	P	0	2	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
1234	P	0	2	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
1235	P	0	3	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
1236	P	0	3	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
1237	P	0	3	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
1238	P	0	3	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
1239	P	0	3	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
1240	P	0	3	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
1241	P	0	3	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
1242	P	0	3	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
1243	P	0	4	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
1244	P	0	4	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
1245	P	0	4	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
1246	P	0	4	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
1247	P	0	4	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
1248	P	0	4	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
1249	P	0	4	6		K	S	0	6	X	9	9	T	0	4	Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

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)]
1250	P	0	4	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
1251	P	0	4	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
1252	P	0	4	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
1253	P	0	5	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
1254	P	0	5	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
1255	P	0	5	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
1256	P	0	5	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
1257	P	0	5	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
1258	P	0	5	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
1259	P	0	5	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
1260	P	0	6	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
1261	P	0	6	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
1262	P	0	6	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
1263	P	0	6	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
1264	P	0	6	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
1265	P	0	6	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
1266	P	0	6	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
1267	P	0	6	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
1268	P	0	6	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
1269	P	0	7	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
1270	P	0	7	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
1271	P	0	7	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
1272	P	0	7	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
1273	P	0	7	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
1274	P	0	7	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
1275	P	0	7	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
1276	P	0	7	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
1277	P	0	7	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
1278	P	0	8	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
1279	P	0	8	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
1280	P	0	8	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
1281	P	0	8	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
1282	P	0	8	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
1283	P	0	8	8		K	S	0	6	X	9	9	T	0	4	Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

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)]
1284	P	0	8	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
1285	P	0	9	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
1286	P	0	9	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
1287	P	0	9	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
1288	P	0	9	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
1289	P	0	9	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
1290	P	0	9	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
1291	P	0	9	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
1292	P	0	9	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
1293	P	0	0	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
1294	P	0	0	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
1295	P	0	0	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
1296	P	0	0	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
1297	P	0	0	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
1298	P	0	0	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
1299	P	0	0	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
1300	P	0	0	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
1301	P	0	0	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
1302	P	0	1	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
1303	P	1	1	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
1304	P	1	1	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
1305	P	1	1	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
1306	P	1	1	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
1307	P	1	1	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
1308	P	1	1	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
1309	P	1	1	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
1310	P	1	1	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
1311	P	1	2	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
1312	P	1	2	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
1313	P	1	2	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
1314	P	1	2	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
1315	P	1	2	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
1316	P	1	2	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
1317	P	1	8	5		K	S	0	6	X	9	9	T	0	4	Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7

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)]
1318	P	1	8	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
1319	P	1	8	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
1320	P	1	9	0		K	S	0	6	X	9	9	T	0	4	Includes Debris
1321	P	1	9	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
1322	P	1	9	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
1323	P	1	9	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
1324	P	1	9	6		K	S	0	6	X	9	9	T	0	4	Includes Debris
1325	P	1	9	7		K	S	0	6	X	9	9	T	0	4	Includes Debris
1326	P	1	9	8		K	S	0	6	X	9	9	T	0	4	Includes Debris
1327	P	1	9	9		K	S	0	6	X	9	9	T	0	4	Includes Debris
1328	P	2	0	1		K	S	0	6	X	9	9	T	0	4	Includes Debris
1329	P	2	0	2		K	S	0	6	X	9	9	T	0	4	Includes Debris
1330	P	2	0	3		K	S	0	6	X	9	9	T	0	4	Includes Debris
1331	P	2	0	4		K	S	0	6	X	9	9	T	0	4	Includes Debris
1332	P	2	0	5		K	S	0	6	X	9	9	T	0	4	Includes Debris
1333																
1334																
1335																
1336																
1337																
1338																
1339																
1340																
1341																
1342																
1343																
1344																
1345																
1346																
1347																
1348																
1349																
1350																

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) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature**	**Date Signed** 1/22/2021
Co-Operator* Name and Official Title (type or print) Scott Sax, President and Project Manager Central Plateau Cleanup Company LLC	**Signature** SCOTT SAX (Affiliate) Digitally signed by SCOTT SAX (Affiliate) Date: 2021.01.20 05:00:45 -08'00'	**Date Signed**
Co-Operator – Address and Telephone Number* P.O. Box 1464 Richland, WA 99352 (509) 372-3845		
Facility-Property Owner Name and Official Title (type or print) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature**	**Date Signed** 1/22/2021

Comments

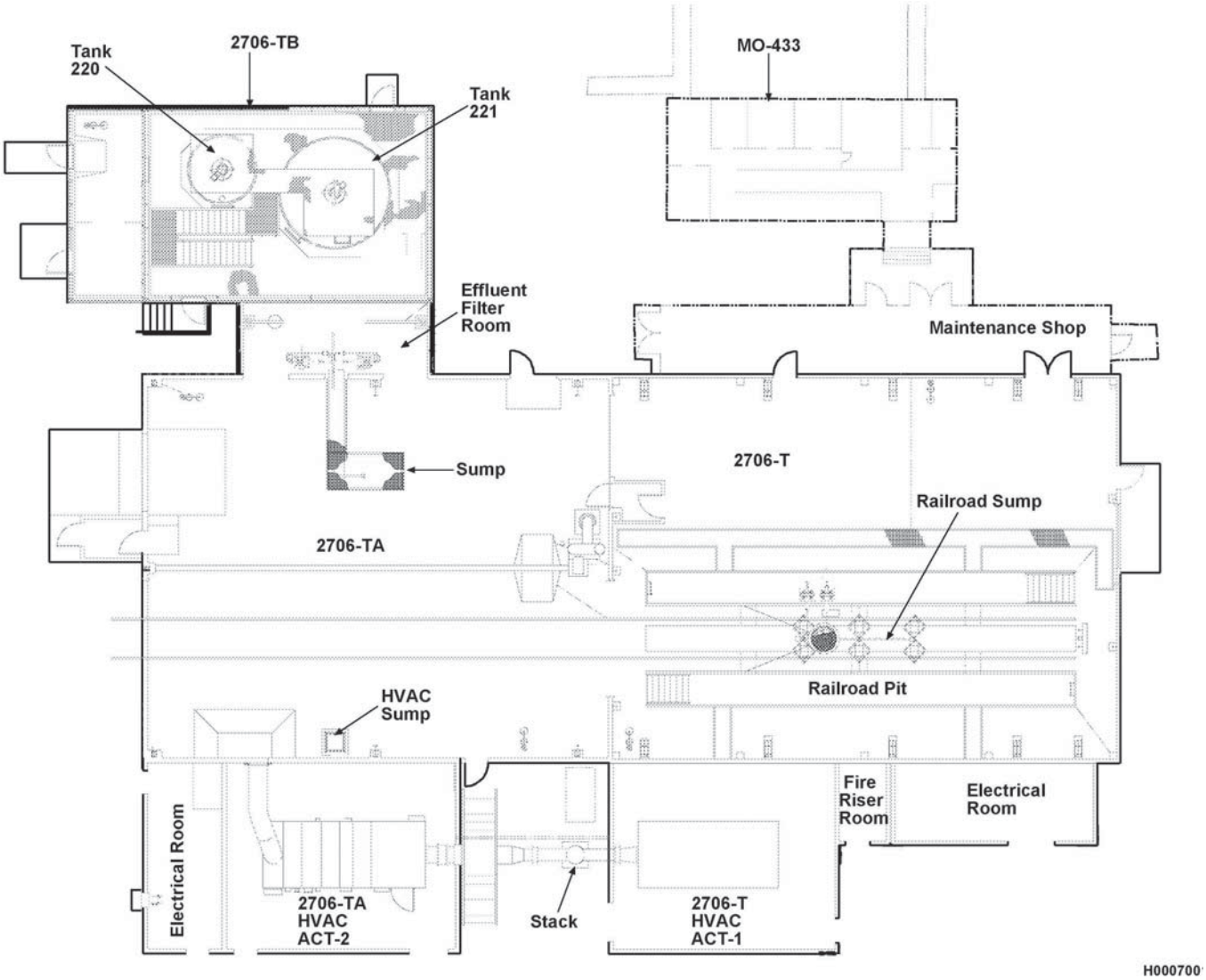
In Section IV, Facility Location is revised to update the facility location. In Section VI, Facility contact is revised to update the DOE-RL contact. In Section VII, Facility Operator Information is revised to update change in Co-Operator. In Section VIII, Facility Owner Information is revised to update facility owner name. In Section XVIII, "Certifications" is revised to update Operator Name, Co-Operator name, and Facility-Property Owner name. The topographic map for the unit is updated to reflect the current mapping conventions. The changes in these sections and the topographic map will be effective January 25, 2021. No other changes have been made to the Part A form sections. The certification is limited to the changes effective January 25, 2021.

Dangerous and/or mixed waste treatment methods could incorporate a variety of technologies to remove mixed waste contamination. The technologies include, but are not limited to, immersion treatment; spray batch treatment; and steam, water, ice, carbon dioxide, chemical, or abrasive blasting. Various types of equipment (e.g., tools, railroad equipment, buses, trucks, automobiles, cranes, earth moving equipment, other large and small pieces of process equipment, or other equipment and debris) can be decontaminated and treated in 2706-T, 221-T, and other support structures within T Plant as needed. Liquid mixed waste generated from the decontamination processes is collected and transferred to the 2706-T tank system or transferred directly to a tanker truck. From this tank system, waste is transferred to an onsite TSD unit or offsite TSD facility capable of accepting this waste. The maximum process design capacity for treatment is 150 metric tons (165 tons) per day. ["S" equates to "metric tons" in accordance with WAC 173-303-380(2)(c).]

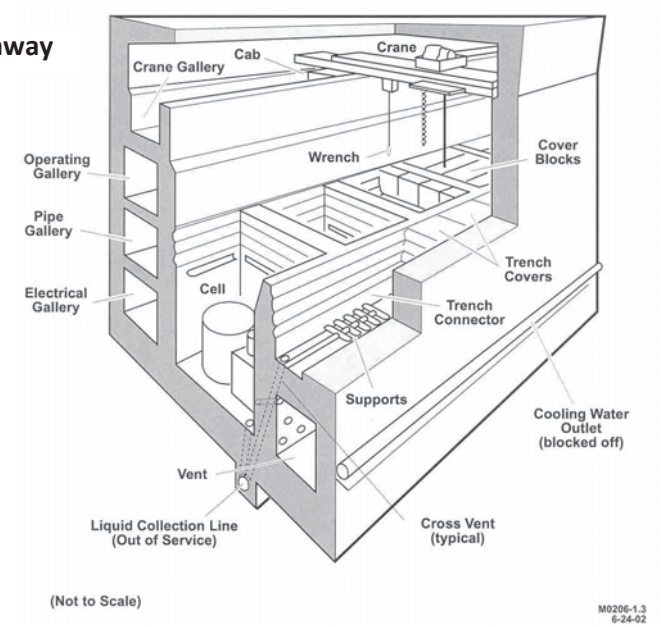
S01: Storage of dangerous and/or mixed waste (i.e., liquid, solid, gas, or sludge) in various sized containers, including railroad cars, could take place in the 221-T canyon, 221-T railroad tunnel, 2706-T, 214-T storage building, and in other support structures and storage units, or outdoor storage areas located within the boundaries of T Plant. The containers are stored until transferred to an onsite TSD unit or offsite facility. The maximum container storage process design capacity is 946,352 liters (250,000 gallons). S06: The designation S06 (containment building/storage) indicates mixed waste is stored in the portions of the 221-T Building that include the canyon deck, railroad tunnel and canyon process cells 3L, 7L, 8R, 9L, 10L, 13L, 13R, 14R, 15L, 16R, and 17R. This waste is considered to be stored in a containment building subject to the requirements of 40 Code of Federal Regulations (CFR) 265, Subpart DD. The mixed waste consists of waste containers, uncontainerized process equipment, jumpers, and various other items awaiting decontamination, treatment, or repackaging before final disposition. The maximum process design capacity for containment building storage is 8,792 cubic meters (11,500 cubic yards).

X99: The designation X99 (miscellaneous unit storage/treatment) indicates that containerized and uncontainerized dangerous and/or mixed waste is stored on the floors of operational areas of the 2706-T and 2706-TA Buildings subject to the requirements of this permit and in accordance with WAC-173-303-680. The mixed waste consists of waste containers, uncontainerized waste, and various items potentially containing free liquids awaiting decontamination, treatment, or repackaging before final disposition. Decontamination or treatment using free liquids can occur directly on building operational area floors. The maximum process design capacity for miscellaneous unit storage/treatment is 26,377 cubic meters (34,500 cubic yards).

2706-T Site Plan



221-T Cutaway



T Plant Complex

T Plant Complex Photo Taken 2002

214-T Building
98030115--7CN Photo Taken 1998

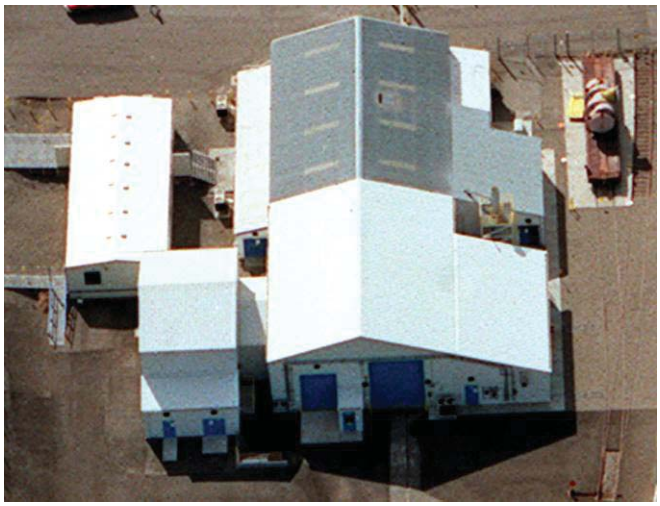
214-T Building Internal View Photo Taken 2002

211-T Cage
98030115-20CN Photo Taken 1998

211-T Pad Photo Taken 2002

271-T Cage Photo Taken 2002

T Plant Complex



2706-T Units (2706-T, 2706-TA, and 2706-TB Buildings)
99060225-12CN Photo Taken 1999

221-T Canyon Deck Photo Taken 2002

2706-T Building Photo Taken 2002

2706-TA Building Interior View
00100005-3DF Photo Taken 2000

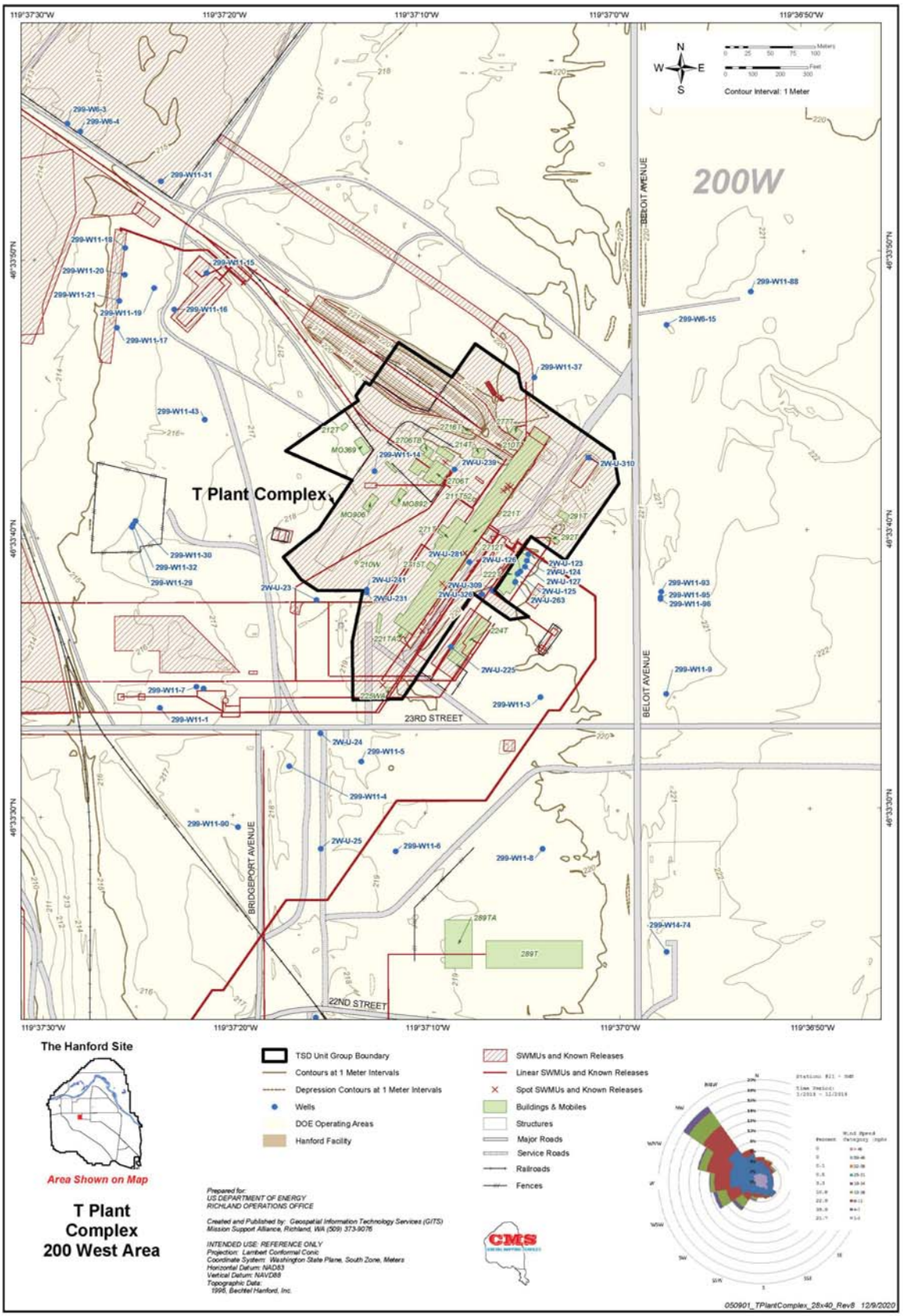
2706-TB Tanks Treatment and Storage Tanks
(before installation of 2706-TB Building)
98030115-9CN Photo Taken 1998

T Plant Complex

2706-T Treatment and Storage Pad Photo Taken 2002

Typical Conex Box Storage Typical Storage Module
98030115-15CN Photo Taken 1998

Treatment and Storage Pad
98030115-3CN Photo Taken 1998


119°37'30"W
119°37'20"W
119°37'10"W
119°37'0"W
119°36'50"W
46°33'50"N
46°33'40"N
46°33'30"N
N
W
E
S
Contour Interval: 1 Meter
200W
T Plant Complex
BELOIT AVENUE
23RD STREET
22ND STREET
BRIDGEPORT AVENUE
299-W6-3
299-W6-4
299-W11-31
299-W11-18
299-W11-20
299-W11-21
299-W11-19
299-W11-17
299-W11-15
299-W11-16
299-W11-88
299-W6-15
299-W11-37
299-W11-43
299-W11-14
2W-U-239
2W-U-310
2W-U-281
2W-U-126
2W-U-123
2W-U-124
2W-U-127
2W-U-125
2W-U-263
2W-U-309
2W-U-326
2W-U-241
2W-U-231
2W-U-23
2W-U-225
299-W11-30
299-W11-32
299-W11-29
299-W11-93
299-W11-95
299-W11-96
299-W11-9
299-W11-7
299-W11-1
299-W11-3
2W-U-24
299-W11-5
299-W11-4
299-W11-90
2W-U-25
299-W11-6
299-W11-8
299-W14-74
The Hanford Site
Area Shown on Map
T Plant Complex 200 West Area
TSD Unit Group Boundary
Contours at 1 Meter Intervals
Depression Contours at 1 Meter Intervals
Wells
DOE Operating Areas
Hanford Facility
SWMUs and Known Releases
Linear SWMUs and Known Releases
Spot SWMUs and Known Releases
Buildings & Mobiles
Structures
Major Roads
Service Roads
Railroads
Fences
Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
Created and Published by: Geospatial Information Technology Services (GITS)
Mission Support Alliance, Richland, WA (509) 373-9076
INTENDED USE: REFERENCE ONLY
Projection: Lambert Conformal Conic
Coordinate System: Washington State Plane, South Zone, Meters
Horizontal Datum: NAD83
Vertical Datum: NAVD88
Topographic Data:
1996, Bechtel Hanford, Inc.
CMS
050901_TPlantComplex_28x40_Rev8 12/9/2020

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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)

☐	**Request modification to a final status permit (commonly called a "Part B" permit)**
☒	**Request a change under interim status**
☐	**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).**
☐	**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

2440 Stevens Drive

City or Town	State	ZIP Code
Richland	WA	99354

County Code (if known)	County Name
0 0 5	Benton

B. Land Type	C. Geographic Location Latitude (degrees, mins, secs)	Longitude (degrees, mins, secs)	D. Facility Existence Date 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)**
Vance	Brian
Job Title	**Phone 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 Central Plateau Cleanup Company LLC Co-Operator for the WRAP Facility*	(509) 376-7395 (509) 372-3845*
Street or P.O. Box	
P.O. Box 550 P.O. Box 1464*	
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?	☒ **Yes** ☐ **No** Co-Operator* change
If yes, provide the scheduled date for the change:	**Month** 0 1 **Day** 2 5 **Year** 2 0 2 1
D. Is the name listed in VII.A. also the owner? If yes, skip to Section VIII.C.	☒ **Yes** ☐ **No**

VIII. Facility Owner Information	
A. Name	**Phone Number (area code and number)**
Brian T. Vance, 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?	☐ **Yes** ☒ **No**
If yes, provide the scheduled date for the change:	**Month** **Day** **Year**

IX. NAICS Codes (5/6 digit codes)													
A. First							**B. Second**						
5	6	2	2	1		Waste Treatment & Disposal	9	2	4	1	1	0	Administration of Air & Water Resource & Solid Waste Management Programs
C. Third							**D. Fourth**						
5	4	1	7	1		Research & Development in the Physical, Engineering, & Life Sciences							

X. Other Environmental Permits (see instructions)

A. Permit Type			B. Permit Number												C. Description
	E		A	I	R	–	0	7	–	2	0	3			WAC 246-247, NOC Radioactive Air Construction
	E		A	I	R	–	0	7	–	3	0	4			WAC 246-247, NOC Radioactive Air
	E		A	I	R	–	0	7	–	3	0	8			WAC 246-247, NOC Radioactive Air
	E		D	E–	0	3	N	W	P-	0	0	2			WAC 173-400/460, NOC Non-Radioactive Air
	E		D	E–	0	3	N	W	P-	0	0	2	A	1	WAC 173-400/460, NOC Non-Radioactive Air

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

The Waste Receiving and Processing Facility (WRAP) commenced construction in 1994 and began waste management operations in March of 1997.

T04 (Treatment-Other): WRAP has the capability to treat waste through deactivation, solidification or absorption of free liquids, neutralization of corrosives, amalgamation, microencapsulation, macroencapsulation, volume reduction of waste (e.g., supercompaction), reaction of reactive waste, and repackaging of waste.

The total process design capacity for treatment is 12,900 liters (3,408 gallons) per day.

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	T	0	4	12,900	V	001		1							
	2	S	0	1	1,987,100	L	004		2							
	3								3							
	4								4							
	5								5							
	6								6							
	7								7							
	8								8							
	9								9							
1	0							1	0							
1	1							1	1							
1	2							1	2							
1	3							1	3							
1	4							1	4							
1	5							1	5							
1	6							1	6							
1	7							1	7							
1	8							1	8							
1	9							1	9							
2	0							2	0							
2	1							2	1							
2	2							2	2							
2	3							2	3							
2	4							2	4							
2	5							2	5							

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	20,000	K	S	0	1	T	0	4				Includes Debris
2	D	0	0	2	15,000	K	S	0	1	T	0	4				Includes Debris
3	D	0	0	3	500	K	S	0	1	T	0	4				Includes Debris
4	D	0	0	4	50	K	S	0	1	T	0	4				Includes Debris
5	D	0	0	5	400	K	S	0	1	T	0	4				Includes Debris
6	D	0	0	6	117	K	S	0	1	T	0	4				Includes Debris
7	D	0	0	7	400	K	S	0	1	T	0	4				Includes Debris
8	D	0	0	8	400	K	S	0	1	T	0	4				Includes Debris
9	D	0	0	9	800	K	S	0	1	T	0	4				Includes Debris
10	D	0	1	0	10	K	S	0	1	T	0	4				Includes Debris
11	D	0	1	1	20	K	S	0	1	T	0	4				Includes Debris
12	D	0	1	2	300	K	S	0	1	T	0	4				Includes Debris
13	D	0	1	3	300	K	S	0	1	T	0	4				Includes Debris
14	D	0	1	4	300	K	S	0	1	T	0	4				Includes Debris
15	D	0	1	5	300	K	S	0	1	T	0	4				Includes Debris
16	D	0	1	6	300	K	S	0	1	T	0	4				Includes Debris
17	D	0	1	7	300	K	S	0	1	T	0	4				Includes Debris
18	D	0	1	8	300	K	S	0	1	T	0	4				Includes Debris
19	D	0	1	9	300	K	S	0	1	T	0	4				Includes Debris
20	D	0	2	0	300	K	S	0	1	T	0	4				Includes Debris
21	D	0	2	1	300	K	S	0	1	T	0	4				Includes Debris
22	D	0	2	2	300	K	S	0	1	T	0	4				Includes Debris
23	D	0	2	3	300	K	S	0	1	T	0	4				Includes Debris
24	D	0	2	4	300	K	S	0	1	T	0	4				Includes Debris
25	D	0	2	5	300	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

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	300	K	S	0	1	T	0	4				Includes Debris
27	D	0	2	7	300	K	S	0	1	T	0	4				Includes Debris
28	D	0	2	8	300	K	S	0	1	T	0	4				Includes Debris
29	D	0	2	9	300	K	S	0	1	T	0	4				Includes Debris
30	D	0	3	0	300	K	S	0	1	T	0	4				Includes Debris
31	D	0	3	1	300	K	S	0	1	T	0	4				Includes Debris
32	D	0	3	2	300	K	S	0	1	T	0	4				Includes Debris
33	D	0	3	3	300	K	S	0	1	T	0	4				Includes Debris
34	D	0	3	4	300	K	S	0	1	T	0	4				Includes Debris
35	D	0	3	5	300	K	S	0	1	T	0	4				Includes Debris
36	D	0	3	6	300	K	S	0	1	T	0	4				Includes Debris
37	D	0	3	7	300	K	S	0	1	T	0	4				Includes Debris
38	D	0	3	8	300	K	S	0	1	T	0	4				Includes Debris
39	D	0	3	9	300	K	S	0	1	T	0	4				Includes Debris
40	D	0	4	0	300	K	S	0	1	T	0	4				Includes Debris
41	D	0	4	1	300	K	S	0	1	T	0	4				Includes Debris
42	D	0	4	2	300	K	S	0	1	T	0	4				Includes Debris
43	D	0	4	3	300	K	S	0	1	T	0	4				Includes Debris
44	W	S	C	2	15,000	K	S	0	1	T	0	4				Includes Debris
45	W	T	0	1	16,000	K	S	0	1	T	0	4				Includes Debris
46	W	T	0	2	22,000	K	S	0	1	T	0	4				Includes Debris
47	W	P	0	1	12,000	K	S	0	1	T	0	4				Includes Debris
48	W	P	0	2	3,000	K	S	0	1	T	0	4				Includes Debris
49	W	P	0	3	2,000	K	S	0	1	T	0	4				Includes Debris
50	W	P	C	B	5,000	K	S	0	1	T	0	4				Includes Debris
51	F	0	0	1	4,000	K	S	0	1	T	0	4				Includes Debris
52	F	0	0	2	4,500	K	S	0	1	T	0	4				Includes Debris
53	F	0	0	3	6,500	K	S	0	1	T	0	4				Includes Debris
54	F	0	0	4	570	K	S	0	1	T	0	4				Includes Debris
55	F	0	0	5	6,000	K	S	0	1	T	0	4				Includes Debris
56	F	0	0	6	6,000	K	S	0	1	T	0	4				Includes Debris
57	F	0	0	7	6,000	K	S	0	1	T	0	4				Includes Debris
58	F	0	0	8	6,000	K	S	0	1	T	0	4				Includes Debris
59	F	0	0	9	6,000	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

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)]
60	F	0	1	0	6,000	K	S	0	1	T	0	4				Includes Debris
61	F	0	1	1	6,000	K	S	0	1	T	0	4				Includes Debris
62	F	0	1	2	6,000	K	S	0	1	T	0	4				Includes Debris
63	F	0	1	9	6,000	K	S	0	1	T	0	4				Includes Debris
64	F	0	2	0	300	K	S	0	1	T	0	4				Includes Debris
65	F	0	2	1	300	K	S	0	1	T	0	4				Includes Debris
66	F	0	2	2	300	K	S	0	1	T	0	4				Includes Debris
67	F	0	2	3	300	K	S	0	1	T	0	4				Includes Debris
68	F	0	2	6	300	K	S	0	1	T	0	4				Includes Debris
69	F	0	2	7	500	K	S	0	1	T	0	4				Includes Debris
70	F	0	2	8	300	K	S	0	1	T	0	4				Includes Debris
71	F	0	3	9	500	K	S	0	1	T	0	4				Includes Debris
72	P	0	0	7	500	K	S	0	1	T	0	4				Includes Debris
73	U	0	0	1	5,000	K	S	0	1	T	0	4				Includes Debris
74	U	0	0	2	5,000	K	S	0	1	T	0	4				Includes Debris
75	U	0	0	3	5,000	K	S	0	1	T	0	4				Includes Debris
76	U	0	0	4	5,000	K	S	0	1	T	0	4				Includes Debris
77	U	0	0	5	5,000	K	S	0	1	T	0	4				Includes Debris
78	U	0	0	6	5,000	K	S	0	1	T	0	4				Includes Debris
79	U	0	0	7	5,000	K	S	0	1	T	0	4				Includes Debris
80	U	0	0	8	5,000	K	S	0	1	T	0	4				Includes Debris
81	U	0	0	9	5,000	K	S	0	1	T	0	4				Includes Debris
82	U	0	1	0	5,000	K	S	0	1	T	0	4				Includes Debris
83	U	0	1	1	5,000	K	S	0	1	T	0	4				Includes Debris
84	U	0	1	2	5,000	K	S	0	1	T	0	4				Includes Debris
85	U	0	1	4	5,000	K	S	0	1	T	0	4				Includes Debris
86	U	0	1	5	5,000	K	S	0	1	T	0	4				Includes Debris
87	U	0	1	6	5,000	K	S	0	1	T	0	4				Includes Debris
88	U	0	1	7	5,000	K	S	0	1	T	0	4				Includes Debris
89	U	0	1	8	5,000	K	S	0	1	T	0	4				Includes Debris
90	U	0	1	9	5,000	K	S	0	1	T	0	4				Includes Debris
91	U	0	2	0	5,000	K	S	0	1	T	0	4				Includes Debris
92	U	0	2	1	5,000	K	S	0	1	T	0	4				Includes Debris
93	U	0	2	2	5,000	K	S	0	1	T	0	4				Includes Debris
94	U	0	2	3	5,000	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

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)]
95	U	0	2	4	5,000	K	S	0	1	T	0	4				Includes Debris
96	U	0	2	5	5,000	K	S	0	1	T	0	4				Includes Debris
97	U	0	2	6	5,000	K	S	0	1	T	0	4				Includes Debris
98	U	0	2	7	5,000	K	S	0	1	T	0	4				Includes Debris
99	U	0	2	8	5,000	K	S	0	1	T	0	4				Includes Debris
100	U	0	2	9	5,000	K	S	0	1	T	0	4				Includes Debris
101	U	0	3	0	5,000	K	S	0	1	T	0	4				Includes Debris
102	U	0	3	1	5,000	K	S	0	1	T	0	4				Includes Debris
103	U	0	3	2	5,000	K	S	0	1	T	0	4				Includes Debris
104	U	0	3	3	5,000	K	S	0	1	T	0	4				Includes Debris
105	U	0	3	4	5,000	K	S	0	1	T	0	4				Includes Debris
106	U	0	3	5	5,000	K	S	0	1	T	0	4				Includes Debris
107	U	0	3	6	5,000	K	S	0	1	T	0	4				Includes Debris
108	U	0	3	7	5,000	K	S	0	1	T	0	4				Includes Debris
109	U	0	3	8	5,000	K	S	0	1	T	0	4				Includes Debris
110	U	0	3	9	5,000	K	S	0	1	T	0	4				Includes Debris
111	U	0	4	1	5,000	K	S	0	1	T	0	4				Includes Debris
112	U	0	4	2	5,000	K	S	0	1	T	0	4				Includes Debris
113	U	0	4	3	5,000	K	S	0	1	T	0	4				Includes Debris
114	U	0	4	4	5,000	K	S	0	1	T	0	4				Includes Debris
115	U	0	4	5	5,000	K	S	0	1	T	0	4				Includes Debris
116	U	0	4	6	5,000	K	S	0	1	T	0	4				Includes Debris
117	U	0	4	7	5,000	K	S	0	1	T	0	4				Includes Debris
118	U	0	4	8	5,000	K	S	0	1	T	0	4				Includes Debris
119	U	0	4	9	5,000	K	S	0	1	T	0	4				Includes Debris
120	U	0	5	0	5,000	K	S	0	1	T	0	4				Includes Debris
121	U	0	5	1	5,000	K	S	0	1	T	0	4				Includes Debris
122	U	0	5	2	5,000	K	S	0	1	T	0	4				Includes Debris
123	U	0	5	3	5,000	K	S	0	1	T	0	4				Includes Debris
124	U	0	5	5	5,000	K	S	0	1	T	0	4				Includes Debris
125	U	0	5	6	5,000	K	S	0	1	T	0	4				Includes Debris
126	U	0	5	7	5,000	K	S	0	1	T	0	4				Includes Debris
127	U	0	5	8	5,000	K	S	0	1	T	0	4				Includes Debris
128	U	0	5	9	5,000	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

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)]
129	U	0	6	0	5,000	K	S	0	1	T	0	4				Includes Debris
130	U	0	6	1	5,000	K	S	0	1	T	0	4				Includes Debris
131	U	0	6	2	5,000	K	S	0	1	T	0	4				Includes Debris
132	U	0	6	3	5,000	K	S	0	1	T	0	4				Includes Debris
133	U	0	6	4	5,000	K	S	0	1	T	0	4				Includes Debris
134	U	0	6	6	5,000	K	S	0	1	T	0	4				Includes Debris
135	U	0	6	7	5,000	K	S	0	1	T	0	4				Includes Debris
136	U	0	6	8	5,000	K	S	0	1	T	0	4				Includes Debris
137	U	0	6	9	5,000	K	S	0	1	T	0	4				Includes Debris
138	U	0	7	0	5,000	K	S	0	1	T	0	4				Includes Debris
139	U	0	7	1	5,000	K	S	0	1	T	0	4				Includes Debris
140	U	0	7	2	5,000	K	S	0	1	T	0	4				Includes Debris
141	U	0	7	3	5,000	K	S	0	1	T	0	4				Includes Debris
142	U	0	7	4	5,000	K	S	0	1	T	0	4				Includes Debris
143	U	0	7	5	5,000	K	S	0	1	T	0	4				Includes Debris
144	U	0	7	6	5,000	K	S	0	1	T	0	4				Includes Debris
145	U	0	7	7	5,000	K	S	0	1	T	0	4				Includes Debris
146	U	0	7	8	5,000	K	S	0	1	T	0	4				Includes Debris
147	U	0	7	9	5,000	K	S	0	1	T	0	4				Includes Debris
148	U	0	8	0	5,000	K	S	0	1	T	0	4				Includes Debris
149	U	0	8	1	5,000	K	S	0	1	T	0	4				Includes Debris
150	U	0	8	2	5,000	K	S	0	1	T	0	4				Includes Debris
151	U	0	8	3	5,000	K	S	0	1	T	0	4				Includes Debris
152	U	0	8	4	5,000	K	S	0	1	T	0	4				Includes Debris
153	U	0	8	5	5,000	K	S	0	1	T	0	4				Includes Debris
154	U	0	8	6	5,000	K	S	0	1	T	0	4				Includes Debris
155	U	0	8	7	5,000	K	S	0	1	T	0	4				Includes Debris
156	U	0	8	8	5,000	K	S	0	1	T	0	4				Includes Debris
157	U	0	8	9	5,000	K	S	0	1	T	0	4				Includes Debris
158	U	0	9	0	5,000	K	S	0	1	T	0	4				Includes Debris
159	U	0	9	1	5,000	K	S	0	1	T	0	4				Includes Debris
160	U	0	9	2	5,000	K	S	0	1	T	0	4				Includes Debris
161	U	0	9	3	5,000	K	S	0	1	T	0	4				Includes Debris
162	U	0	9	4	5,000	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

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)]
163	U	0	9	5	5,000	K	S	0	1	T	0	4				Includes Debris
164	U	0	9	6	5,000	K	S	0	1	T	0	4				Includes Debris
165	U	0	9	7	5,000	K	S	0	1	T	0	4				Includes Debris
166	U	0	9	8	5,000	K	S	0	1	T	0	4				Includes Debris
167	U	0	9	9	5,000	K	S	0	1	T	0	4				Includes Debris
168	U	1	0	1	5,000	K	S	0	1	T	0	4				Includes Debris
169	U	1	0	2	5,000	K	S	0	1	T	0	4				Includes Debris
170	U	1	0	3	5000	K	S	0	1	T	0	4				Includes Debris
171	U	1	0	5	5,000	K	S	0	1	T	0	4				Includes Debris
172	U	1	0	6	5,000	K	S	0	1	T	0	4				Includes Debris
173	U	1	0	7	5,000	K	S	0	1	T	0	4				Includes Debris
174	U	1	0	8	5,000	K	S	0	1	T	0	4				Includes Debris
175	U	1	0	9	5,000	K	S	0	1	T	0	4				Includes Debris
176	U	1	1	0	5,000	K	S	0	1	T	0	4				Includes Debris
177	U	1	1	1	5,000	K	S	0	1	T	0	4				Includes Debris
178	U	1	1	2	5,000	K	S	0	1	T	0	4				Includes Debris
179	U	1	1	3	5,000	K	S	0	1	T	0	4				Includes Debris
180	U	1	1	4	5,000	K	S	0	1	T	0	4				Includes Debris
181	U	1	1	5	5,000	K	S	0	1	T	0	4				Includes Debris
182	U	1	1	6	5,000	K	S	0	1	T	0	4				Includes Debris
183	U	1	1	7	5,000	K	S	0	1	T	0	4				Includes Debris
184	U	1	1	8	5,000	K	S	0	1	T	0	4				Includes Debris
185	U	1	1	9	5,000	K	S	0	1	T	0	4				Includes Debris
186	U	1	2	0	5,000	K	S	0	1	T	0	4				Includes Debris
187	U	1	2	1	5,000	K	S	0	1	T	0	4				Includes Debris
188	U	1	2	2	5,000	K	S	0	1	T	0	4				Includes Debris
189	U	1	2	3	5,000	K	S	0	1	T	0	4				Includes Debris
190	U	1	2	4	5,000	K	S	0	1	T	0	4				Includes Debris
191	U	1	2	5	5,000	K	S	0	1	T	0	4				Includes Debris
192	U	1	2	6	5,000	K	S	0	1	T	0	4				Includes Debris
193	U	1	2	7	5,000	K	S	0	1	T	0	4				Includes Debris
194	U	1	2	8	5,000	K	S	0	1	T	0	4				Includes Debris
195	U	1	2	9	5,000	K	S	0	1	T	0	4				Includes Debris
196	U	1	3	0	5,000	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

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)]
197	U	1	3	1	5,000	K	S	0	1	T	0	4				Includes Debris
198	U	1	3	2	5,000	K	S	0	1	T	0	4				Includes Debris
199	U	1	3	3	5,000	K	S	0	1	T	0	4				Includes Debris
200	U	1	3	4	5,000	K	S	0	1	T	0	4				Includes Debris
201	U	1	3	5	5,000	K	S	0	1	T	0	4				Includes Debris
202	U	1	3	6	5,000	K	S	0	1	T	0	4				Includes Debris
203	U	1	3	7	5,000	K	S	0	1	T	0	4				Includes Debris
204	U	1	3	8	5,000	K	S	0	1	T	0	4				Includes Debris
205	U	1	4	0	5,000	K	S	0	1	T	0	4				Includes Debris
206	U	1	4	1	5,000	K	S	0	1	T	0	4				Includes Debris
207	U	1	4	2	5,000	K	S	0	1	T	0	4				Includes Debris
208	U	1	4	3	5,000	K	S	0	1	T	0	4				Includes Debris
209	U	1	4	4	5,000	K	S	0	1	T	0	4				Includes Debris
210	U	1	4	5	5,000	K	S	0	1	T	0	4				Includes Debris
211	U	1	4	6	5,000	K	S	0	1	T	0	4				Includes Debris
212	U	1	4	7	5,000	K	S	0	1	T	0	4				Includes Debris
213	U	1	4	8	5,000	K	S	0	1	T	0	4				Includes Debris
214	U	1	4	9	5,000	K	S	0	1	T	0	4				Includes Debris
215	U	1	5	0	5,000	K	S	0	1	T	0	4				Includes Debris
216	U	1	5	1	5,000	K	S	0	1	T	0	4				Includes Debris
217	U	1	5	2	5,000	K	S	0	1	T	0	4				Includes Debris
218	U	1	5	3	5,000	K	S	0	1	T	0	4				Includes Debris
219	U	1	5	4	5,000	K	S	0	1	T	0	4				Includes Debris
220	U	1	5	5	5,000	K	S	0	1	T	0	4				Includes Debris
221	U	1	5	6	5,000	K	S	0	1	T	0	4				Includes Debris
222	U	1	5	7	5,000	K	S	0	1	T	0	4				Includes Debris
223	U	1	5	8	5,000	K	S	0	1	T	0	4				Includes Debris
224	U	1	5	9	5,000	K	S	0	1	T	0	4				Includes Debris
225	U	1	6	0	5,000	K	S	0	1	T	0	4				Includes Debris
226	U	1	6	1	5,000	K	S	0	1	T	0	4				Includes Debris
227	U	1	6	2	5,000	K	S	0	1	T	0	4				Includes Debris
228	U	1	6	3	5,000	K	S	0	1	T	0	4				Includes Debris
229	U	1	6	4	5,000	K	S	0	1	T	0	4				Includes Debris
230	U	1	6	5	5,000	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

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)]
231	U	1	6	6	5,000	K	S	0	1	T	0	4				Includes Debris
232	U	1	6	7	5,000	K	S	0	1	T	0	4				Includes Debris
233	U	1	6	8	5,000	K	S	0	1	T	0	4				Includes Debris
234	U	1	6	9	5,000	K	S	0	1	T	0	4				Includes Debris
235	U	1	7	0	5,000	K	S	0	1	T	0	4				Includes Debris
236	U	1	7	1	5,000	K	S	0	1	T	0	4				Includes Debris
237	U	1	7	2	5,000	K	S	0	1	T	0	4				Includes Debris
238	U	1	7	3	5,000	K	S	0	1	T	0	4				Includes Debris
239	U	1	7	4	5,000	K	S	0	1	T	0	4				Includes Debris
240	U	1	7	6	5,000	K	S	0	1	T	0	4				Includes Debris
241	U	1	7	7	5,000	K	S	0	1	T	0	4				Includes Debris
242	U	1	7	8	5,000	K	S	0	1	T	0	4				Includes Debris
243	U	1	7	9	5,000	K	S	0	1	T	0	4				Includes Debris
244	U	1	8	0	5,000	K	S	0	1	T	0	4				Includes Debris
245	U	1	8	1	5,000	K	S	0	1	T	0	4				Includes Debris
246	U	1	8	2	5,000	K	S	0	1	T	0	4				Includes Debris
247	U	1	8	3	5,000	K	S	0	1	T	0	4				Includes Debris
248	U	1	8	4	5,000	K	S	0	1	T	0	4				Includes Debris
249	U	1	8	5	5,000	K	S	0	1	T	0	4				Includes Debris
250	U	1	8	6	5,000	K	S	0	1	T	0	4				Includes Debris
251	U	1	8	7	5,000	K	S	0	1	T	0	4				Includes Debris
252	U	1	8	8	5,000	K	S	0	1	T	0	4				Includes Debris
253	U	1	8	9	5,000	K	S	0	1	T	0	4				Includes Debris
254	U	1	9	0	5,000	K	S	0	1	T	0	4				Includes Debris
255	U	1	9	1	5,000	K	S	0	1	T	0	4				Includes Debris
256	U	1	9	2	5,000	K	S	0	1	T	0	4				Includes Debris
257	U	1	9	3	5,000	K	S	0	1	T	0	4				Includes Debris
258	U	1	9	4	5,000	K	S	0	1	T	0	4				Includes Debris
259	U	1	9	6	5,000	K	S	0	1	T	0	4				Includes Debris
260	U	1	9	7	5,000	K	S	0	1	T	0	4				Includes Debris
261	U	2	0	0	5,000	K	S	0	1	T	0	4				Includes Debris
262	U	2	0	1	5,000	K	S	0	1	T	0	4				Includes Debris
263	U	2	0	2	5,000	K	S	0	1	T	0	4				Includes Debris
264	U	2	0	3	5,000	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

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)]
265	U	2	0	4	5,000	K	S	0	1	T	0	4				Includes Debris
266	U	2	0	5	5,000	K	S	0	1	T	0	4				Includes Debris
267	U	2	0	6	5,000	K	S	0	1	T	0	4				Includes Debris
268	U	2	0	7	5,000	K	S	0	1	T	0	4				Includes Debris
269	U	2	0	8	5,000	K	S	0	1	T	0	4				Includes Debris
270	U	2	0	9	5,000	K	S	0	1	T	0	4				Includes Debris
271	U	2	1	0	5,000	K	S	0	1	T	0	4				Includes Debris
272	U	2	1	1	5,000	K	S	0	1	T	0	4				Includes Debris
273	U	2	1	3	5,000	K	S	0	1	T	0	4				Includes Debris
274	U	2	1	4	5,000	K	S	0	1	T	0	4				Includes Debris
275	U	2	1	5	5,000	K	S	0	1	T	0	4				Includes Debris
276	U	2	1	6	5,000	K	S	0	1	T	0	4				Includes Debris
277	U	2	1	7	5,000	K	S	0	1	T	0	4				Includes Debris
278	U	2	1	8	5,000	K	S	0	1	T	0	4				Includes Debris
279	U	2	1	9	5,000	K	S	0	1	T	0	4				Includes Debris
280	U	2	2	0	5,000	K	S	0	1	T	0	4				Includes Debris
281	U	2	2	1	5,000	K	S	0	1	T	0	4				Includes Debris
282	U	2	2	2	5,000	K	S	0	1	T	0	4				Includes Debris
283	U	2	2	3	5,000	K	S	0	1	T	0	4				Includes Debris
284	U	2	2	5	5,000	K	S	0	1	T	0	4				Includes Debris
285	U	2	2	6	5,000	K	S	0	1	T	0	4				Includes Debris
286	U	2	2	7	5,000	K	S	0	1	T	0	4				Includes Debris
287	U	2	2	8	5,000	K	S	0	1	T	0	4				Includes Debris
288	U	2	3	1	5,000	K	S	0	1	T	0	4				Includes Debris
289	U	2	3	2	5,000	K	S	0	1	T	0	4				Includes Debris
290	U	2	3	3	5,000	K	S	0	1	T	0	4				Includes Debris
291	U	2	3	4	5,000	K	S	0	1	T	0	4				Includes Debris
292	U	2	3	5	5,000	K	S	0	1	T	0	4				Includes Debris
293	U	2	3	6	5,000	K	S	0	1	T	0	4				Includes Debris
294	U	2	3	7	5,000	K	S	0	1	T	0	4				Includes Debris
295	U	2	3	8	5,000	K	S	0	1	T	0	4				Includes Debris
296	U	2	3	9	5,000	K	S	0	1	T	0	4				Includes Debris
297	U	2	4	0	5,000	K	S	0	1	T	0	4				Includes Debris
298	U	2	4	3	5,000	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

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)]
299	U	2	4	4	5,000	K	S	0	1	T	0	4				Includes Debris
300	U	2	4	6	5,000	K	S	0	1	T	0	4				Includes Debris
301	U	2	4	7	5,000	K	S	0	1	T	0	4				Includes Debris
302	U	2	4	8	5,000	K	S	0	1	T	0	4				Includes Debris
303	U	2	4	9	5,000	K	S	0	1	T	0	4				Includes Debris
304	U	2	7	1	5,000	K	S	0	1	T	0	4				Includes Debris
305	U	2	7	8	5,000	K	S	0	1	T	0	4				Includes Debris
306	U	2	7	9	5,000	K	S	0	1	T	0	4				Includes Debris
307	U	2	8	0	5,000	K	S	0	1	T	0	4				Includes Debris
308	U	3	2	8	5,000	K	S	0	1	T	0	4				Includes Debris
309	U	3	5	3	5,000	K	S	0	1	T	0	4				Includes Debris
310	U	3	5	9	5,000	K	S	0	1	T	0	4				Includes Debris
311	U	3	6	4	5,000	K	S	0	1	T	0	4				Includes Debris
312	U	3	6	7	5,000	K	S	0	1	T	0	4				Includes Debris
313	U	3	7	2	5,000	K	S	0	1	T	0	4				Includes Debris
314	U	3	7	3	5,000	K	S	0	1	T	0	4				Includes Debris
315	U	3	8	7	5,000	K	S	0	1	T	0	4				Includes Debris
316	U	3	8	9	5,000	K	S	0	1	T	0	4				Includes Debris
317	U	3	9	4	5,000	K	S	0	1	T	0	4				Includes Debris
318	U	3	9	5	5,000	K	S	0	1	T	0	4				Includes Debris
319	U	4	0	1	5,000	K	S	0	1	T	0	4				Includes Debris
320	U	4	0	2	5,000	K	S	0	1	T	0	4				Includes Debris
321	U	4	0	3	5,000	K	S	0	1	T	0	4				Includes Debris
322	U	4	0	4	5,000	K	S	0	1	T	0	4				Includes Debris
323	U	4	0	7	5,000	K	S	0	1	T	0	4				Includes Debris
324	U	4	0	9	5,000	K	S	0	1	T	0	4				Includes Debris
325	U	4	1	0	5,000	K	S	0	1	T	0	4				Includes Debris
326	U	4	1	1	5,000	K	S	0	1	T	0	4				Includes Debris
327	P	0	0	1	5,000	K	S	0	1	T	0	4				Includes Debris
328	P	0	0	2	5,000	K	S	0	1	T	0	4				Includes Debris
329	P	0	0	3	5,000	K	S	0	1	T	0	4				Includes Debris
330	P	0	0	4	5,000	K	S	0	1	T	0	4				Includes Debris
331	P	0	0	5	5,000	K	S	0	1	T	0	4				Includes Debris
332	P	0	0	6	5,000	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

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)]
333	P	0	0	8	5,000	K	S	0	1	T	0	4				Includes Debris
334	P	0	0	9	5,000	K	S	0	1	T	0	4				Includes Debris
335	P	0	1	0	5,000	K	S	0	1	T	0	4				Includes Debris
336	P	0	1	1	5,000	K	S	0	1	T	0	4				Includes Debris
337	P	0	1	2	5,000	K	S	0	1	T	0	4				Includes Debris
338	P	0	1	3	5,000	K	S	0	1	T	0	4				Includes Debris
339	P	0	1	4	5,000	K	S	0	1	T	0	4				Includes Debris
340	P	0	1	5	5,000	K	S	0	1	T	0	4				Includes Debris
341	P	0	1	6	5,000	K	S	0	1	T	0	4				Includes Debris
342	P	0	1	7	5,000	K	S	0	1	T	0	4				Includes Debris
343	P	0	1	8	5,000	K	S	0	1	T	0	4				Includes Debris
344	P	0	2	0	5,000	K	S	0	1	T	0	4				Includes Debris
345	P	0	2	1	5,000	K	S	0	1	T	0	4				Includes Debris
346	P	0	2	2	5,000	K	S	0	1	T	0	4				Includes Debris
347	P	0	2	3	5,000	K	S	0	1	T	0	4				Includes Debris
348	P	0	2	4	5,000	K	S	0	1	T	0	4				Includes Debris
349	P	0	2	6	5,000	K	S	0	1	T	0	4				Includes Debris
350	P	0	2	7	5,000	K	S	0	1	T	0	4				Includes Debris
351	P	0	2	8	5,000	K	S	0	1	T	0	4				Includes Debris
352	P	0	2	9	5,000	K	S	0	1	T	0	4				Includes Debris
353	P	0	3	0	5,000	K	S	0	1	T	0	4				Includes Debris
354	P	0	3	1	5,000	K	S	0	1	T	0	4				Includes Debris
355	P	0	3	3	5,000	K	S	0	1	T	0	4				Includes Debris
356	P	0	3	4	5,000	K	S	0	1	T	0	4				Includes Debris
357	P	0	3	6	5,000	K	S	0	1	T	0	4				Includes Debris
358	P	0	3	7	5,000	K	S	0	1	T	0	4				Includes Debris
359	P	0	3	8	5,000	K	S	0	1	T	0	4				Includes Debris
360	P	0	3	9	5,000	K	S	0	1	T	0	4				Includes Debris
361	P	0	4	0	5,000	K	S	0	1	T	0	4				Includes Debris
362	P	0	4	1	5,000	K	S	0	1	T	0	4				Includes Debris
363	P	0	4	2	5,000	K	S	0	1	T	0	4				Includes Debris
364	P	0	4	3	5,000	K	S	0	1	T	0	4				Includes Debris
365	P	0	4	4	5,000	K	S	0	1	T	0	4				Includes Debris
366	P	0	4	5	5,000	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

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)]
367	P	0	4	6	5,000	K	S	0	1	T	0	4				Includes Debris
368	P	0	4	7	5,000	K	S	0	1	T	0	4				Includes Debris
369	P	0	4	8	5,000	K	S	0	1	T	0	4				Includes Debris
370	P	0	4	9	5,000	K	S	0	1	T	0	4				Includes Debris
371	P	0	5	0	5,000	K	S	0	1	T	0	4				Includes Debris
372	P	0	5	1	5,000	K	S	0	1	T	0	4				Includes Debris
373	P	0	5	4	5,000	K	S	0	1	T	0	4				Includes Debris
374	P	0	5	6	5,000	K	S	0	1	T	0	4				Includes Debris
375	P	0	5	7	5,000	K	S	0	1	T	0	4				Includes Debris
376	P	0	5	8	5,000	K	S	0	1	T	0	4				Includes Debris
377	P	0	5	9	5,000	K	S	0	1	T	0	4				Includes Debris
378	P	0	6	0	5,000	K	S	0	1	T	0	4				Includes Debris
379	P	0	6	2	5,000	K	S	0	1	T	0	4				Includes Debris
380	P	0	6	3	5,000	K	S	0	1	T	0	4				Includes Debris
381	P	0	6	4	5,000	K	S	0	1	T	0	4				Includes Debris
382	P	0	6	5	5,000	K	S	0	1	T	0	4				Includes Debris
383	P	0	6	6	5,000	K	S	0	1	T	0	4				Includes Debris
384	P	0	6	7	5,000	K	S	0	1	T	0	4				Includes Debris
385	P	0	6	8	5,000	K	S	0	1	T	0	4				Includes Debris
386	P	0	6	9	5,000	K	S	0	1	T	0	4				Includes Debris
387	P	0	7	0	5,000	K	S	0	1	T	0	4				Includes Debris
388	P	0	7	1	5,000	K	S	0	1	T	0	4				Includes Debris
389	P	0	7	2	5,000	K	S	0	1	T	0	4				Includes Debris
390	P	0	7	3	5,000	K	S	0	1	T	0	4				Includes Debris
391	P	0	7	4	5,000	K	S	0	1	T	0	4				Includes Debris
392	P	0	7	5	5,000	K	S	0	1	T	0	4				Includes Debris
393	P	0	7	6	5,000	K	S	0	1	T	0	4				Includes Debris
394	P	0	7	7	5,000	K	S	0	1	T	0	4				Includes Debris
395	P	0	7	8	5,000	K	S	0	1	T	0	4				Includes Debris
396	P	0	8	1	5,000	K	S	0	1	T	0	4				Includes Debris
397	P	0	8	2	5,000	K	S	0	1	T	0	4				Includes Debris
398	P	0	8	4	5,000	K	S	0	1	T	0	4				Includes Debris
399	P	0	8	5	5,000	K	S	0	1	T	0	4				Includes Debris
400	P	0	8	7	5,000	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

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)]
401	P	0	8	8	5,000	K	S	0	1	T	0	4				Includes Debris
402	P	0	8	9	5,000	K	S	0	1	T	0	4				Includes Debris
403	P	0	9	2	5,000	K	S	0	1	T	0	4				Includes Debris
404	P	0	9	3	5,000	K	S	0	1	T	0	4				Includes Debris
405	P	0	9	4	5,000	K	S	0	1	T	0	4				Includes Debris
406	P	0	9	5	5,000	K	S	0	1	T	0	4				Includes Debris
407	P	0	9	6	5,000	K	S	0	1	T	0	4				Includes Debris
408	P	0	9	7	5,000	K	S	0	1	T	0	4				Includes Debris
409	P	0	9	8	5,000	K	S	0	1	T	0	4				Includes Debris
410	P	0	9	9	5,000	K	S	0	1	T	0	4				Includes Debris
411	P	1	0	1	5,000	K	S	0	1	T	0	4				Includes Debris
412	P	1	0	2	5,000	K	S	0	1	T	0	4				Includes Debris
413	P	1	0	3	5,000	K	S	0	1	T	0	4				Includes Debris
414	P	1	0	4	5,000	K	S	0	1	T	0	4				Includes Debris
415	P	1	0	5	5,000	K	S	0	1	T	0	4				Includes Debris
416	P	1	0	6	5,000	K	S	0	1	T	0	4				Includes Debris
417	P	1	0	8	5,000	K	S	0	1	T	0	4				Includes Debris
418	P	1	0	9	5,000	K	S	0	1	T	0	4				Includes Debris
419	P	1	1	0	5,000	K	S	0	1	T	0	4				Includes Debris
420	P	1	1	1	5,000	K	S	0	1	T	0	4				Includes Debris
421	P	1	1	2	5,000	K	S	0	1	T	0	4				Includes Debris
422	P	1	1	3	5,000	K	S	0	1	T	0	4				Includes Debris
423	P	1	1	4	5,000	K	S	0	1	T	0	4				Includes Debris
424	P	1	1	5	5,000	K	S	0	1	T	0	4				Includes Debris
425	P	1	1	6	5,000	K	S	0	1	T	0	4				Includes Debris
426	P	1	1	8	5,000	K	S	0	1	T	0	4				Includes Debris
427	P	1	1	9	5,000	K	S	0	1	T	0	4				Includes Debris
428	P	1	2	0	5,000	K	S	0	1	T	0	4				Includes Debris
429	P	1	2	1	5,000	K	S	0	1	T	0	4				Includes Debris
430	P	1	2	2	5,000	K	S	0	1	T	0	4				Includes Debris
431	P	1	2	3	5,000	K	S	0	1	T	0	4				Includes Debris
432	P	1	2	7	5,000	K	S	0	1	T	0	4				Includes Debris
433	P	1	2	8	5,000	K	S	0	1	T	0	4				Includes Debris
434	P	1	8	5	5,000	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

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)]
435	P	1	8	8	5,000	K	S	0	1	T	0	4				Includes Debris
436	P	1	8	9	5,000	K	S	0	1	T	0	4				Includes Debris
437	P	1	9	0	5,000	K	S	0	1	T	0	4				Includes Debris
438	P	1	9	1	5,000	K	S	0	1	T	0	4				Includes Debris
439	P	1	9	2	5,000	K	S	0	1	T	0	4				Includes Debris
440	P	1	9	4	5,000	K	S	0	1	T	0	4				Includes Debris
441	P	1	9	6	5,000	K	S	0	1	T	0	4				Includes Debris
442	P	1	9	7	5,000	K	S	0	1	T	0	4				Includes Debris
443	P	1	9	8	5,000	K	S	0	1	T	0	4				Includes Debris
444	P	1	9	9	5,000	K	S	0	1	T	0	4				Includes Debris
445	P	2	0	1	5,000	K	S	0	1	T	0	4				Includes Debris
446	P	2	0	2	5,000	K	S	0	1	T	0	4				Includes Debris
447	P	2	0	3	5,000	K	S	0	1	T	0	4				Includes Debris
448	P	2	0	4	5,000	K	S	0	1	T	0	4				Includes Debris
449	P	2	0	5	5,000	K	S	0	1	T	0	4				Includes Debris
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XV. Map

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

Topographic map is located in the Ecology Library

XVI. Facility Drawing

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

XVII. Photographs

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

XVIII. Certifications

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

Operator Name and Official Title (type or print) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature**	**Date Signed** 1/22/2021
Co-Operator* Name and Official Title (type or print) Scott Sax, President and Project Manager Central Plateau Cleanup Company LLC	**Signature** SCOTT SAX (Affiliate) Digitally signed by SCOTT SAX (Affiliate) Date: 2021.01.20 05:05:37 -08'00'	**Date Signed**
Co-Operator – Address and Telephone Number* P.O. Box 1464 Richland, WA 99352 (509) 372-3845		
Facility-Property Owner Name and Official Title (type or print) Brian T. Vance, Manager U.S. Department of Energy Richland Operations Office	**Signature**	**Date Signed** 1/22/2021

Comments

In Section IV, Facility Location is revised to update the facility location. In Section VI, Facility contact is revised to update the DOE-RL contact. In Section VII, Facility Operator Information is revised to update change in Co-Operator. In Section VIII, Facility Owner Information is revised to update facility owner name. In Section XVIII, "Certifications" is revised to update Operator Name, Co-Operator name, and Facility-Property Owner name. The topographic map for the unit is updated to reflect the current mapping conventions. The changes in these sections and the topographic map will be effective January 25, 2021. No other changes have been made to the Part A form sections. The certification is limited to the changes effective January 25, 2021.

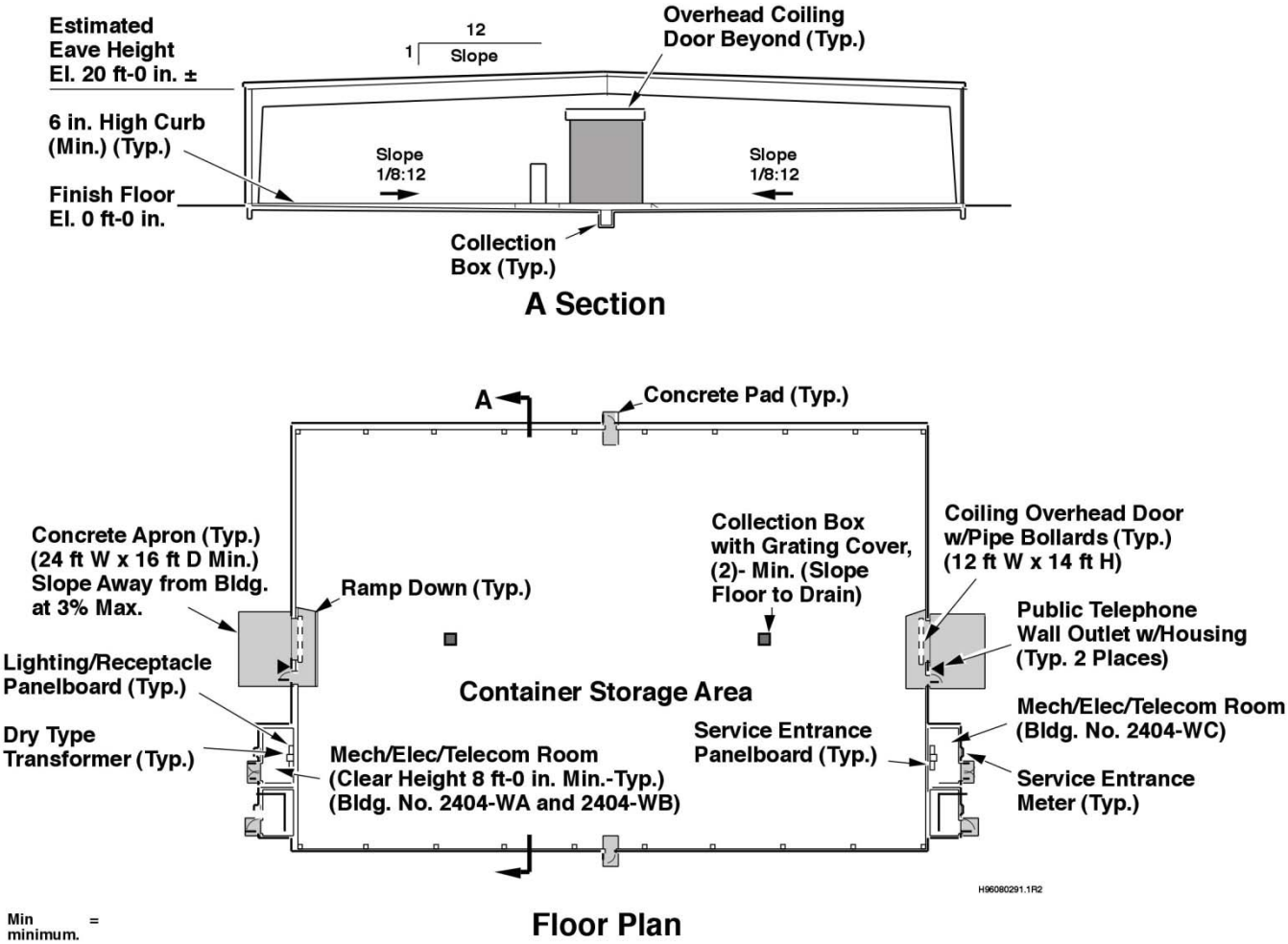
Waste Receiving & Processing Facility

2336 Building
96050191-68CN Photo Taken 1996

Typical (2404-WB and WC)
96080579-29CN Photo Taken 1996

Interior
96080579-32CN Photo Taken 1996

Typical Waste Storage Building for 2404-WB and 2404-WC

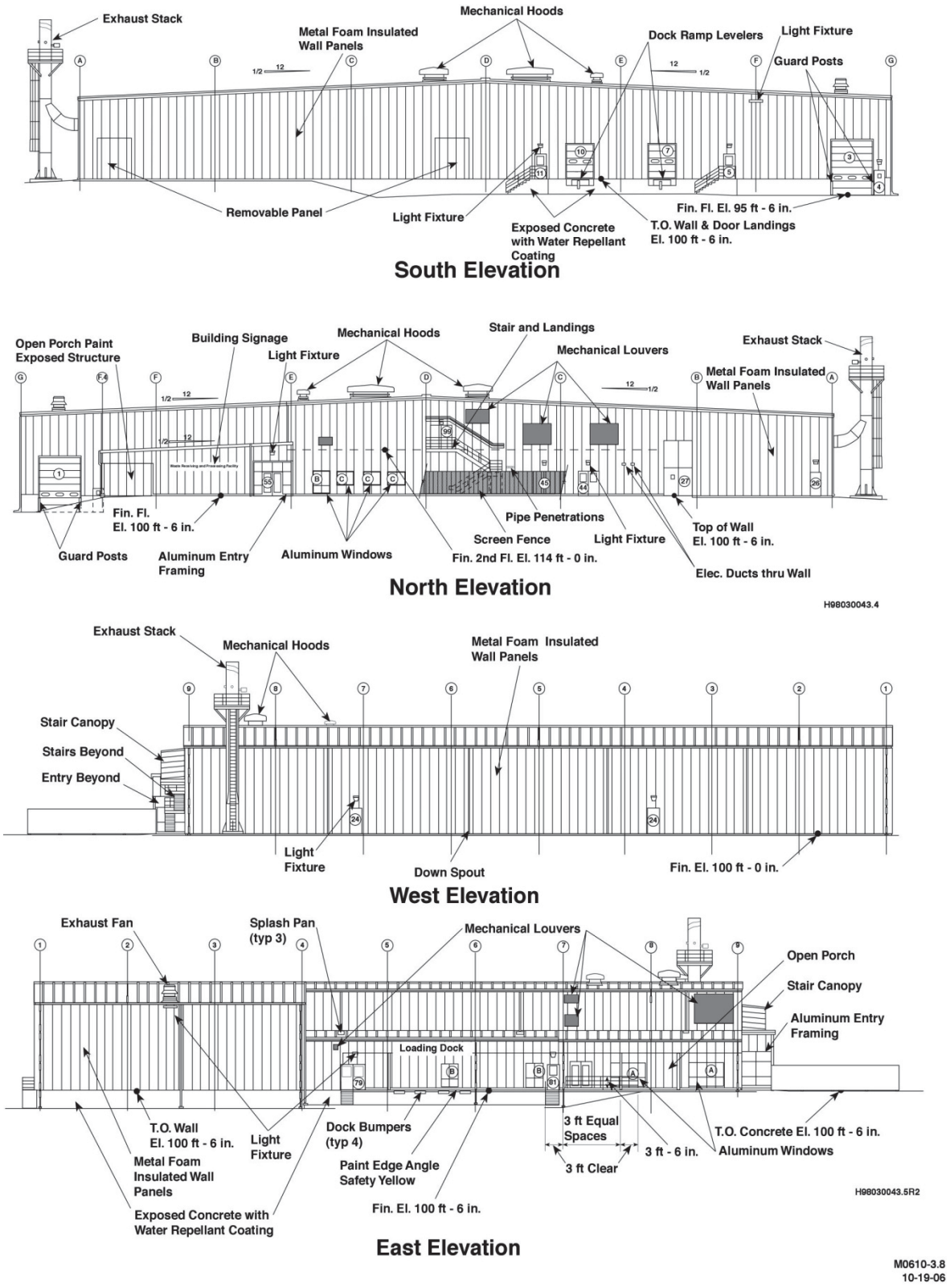


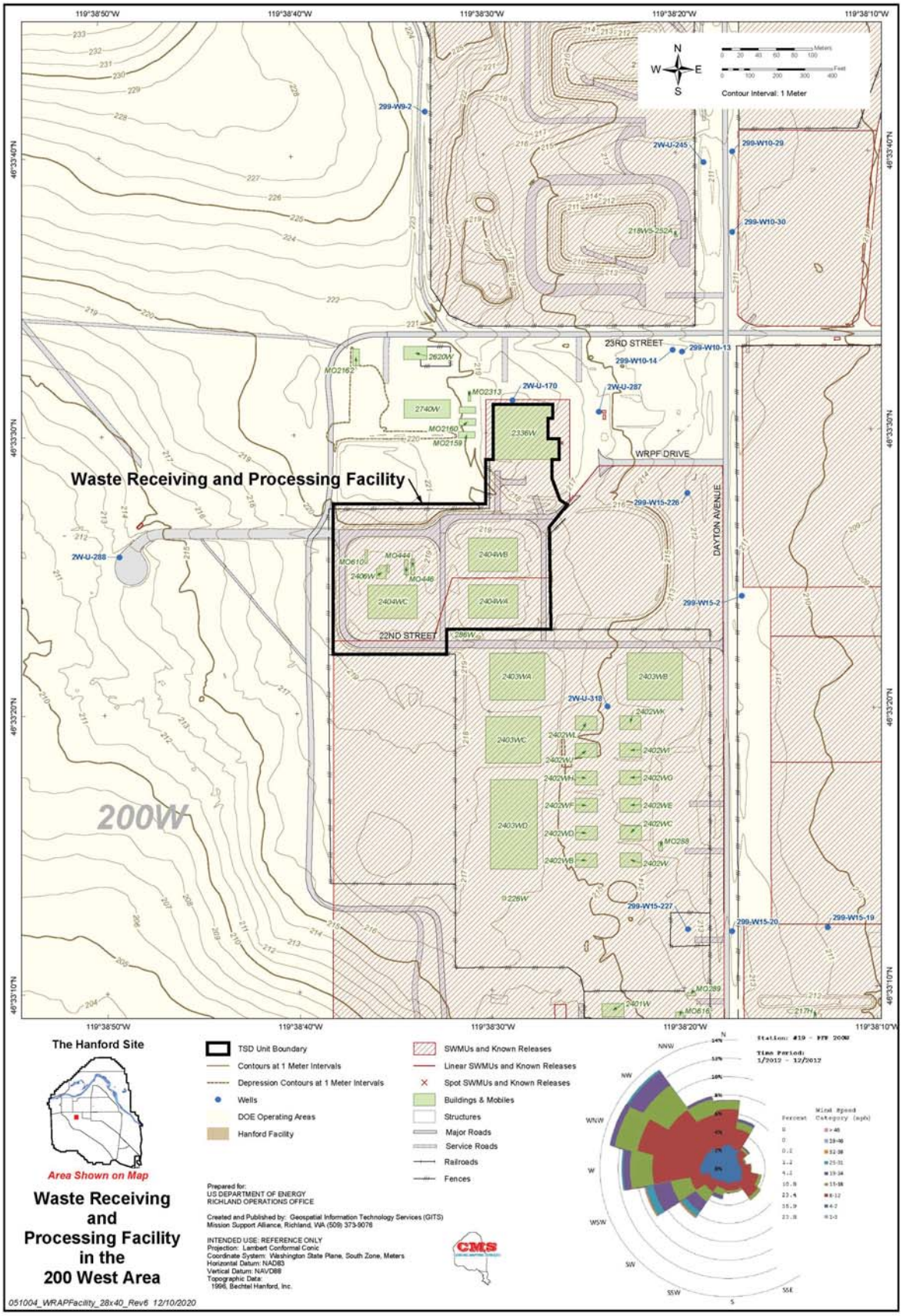
Min = minimum.

Not to scale.

Note: To convert feet to meters, multiply by 0.3048.
To convert inches to centimeters, mulitply by 2.54.

M0610-3.5
10-18-06


Exhaust Stack
Metal Foam Insulated Wall Panels
Mechanical Hoods
Dock Ramp Levelers
Light Fixture
Guard Posts
Removable Panel
Light Fixture
Exposed Concrete with Water Repellant Coating
Fin. Fl. El. 95 ft - 6 in.
T.O. Wall & Door Landings El. 100 ft - 6 in.
South Elevation
Open Porch Paint Exposed Structure
Building Signage
Light Fixture
Mechanical Hoods
Stair and Landings
Mechanical Louvers
Exhaust Stack
Metal Foam Insulated Wall Panels
Fin. Fl. El. 100 ft - 6 in.
Guard Posts
Aluminum Entry Framing
Aluminum Windows
Screen Fence
Fin. 2nd Fl. El. 114 ft - 0 in.
Pipe Penetrations
Light Fixture
Top of Wall El. 100 ft - 6 in.
Elec. Ducts thru Wall
North Elevation
H98030043.4
Exhaust Stack
Mechanical Hoods
Metal Foam Insulated Wall Panels
Stair Canopy
Stairs Beyond
Entry Beyond
Light Fixture
Down Spout
Fin. El. 100 ft - 0 in.
West Elevation
Exhaust Fan
Splash Pan (typ 3)
Mechanical Louvers
Open Porch
Stair Canopy
Aluminum Entry Framing
Loading Dock
T.O. Wall El. 100 ft - 6 in.
Metal Foam Insulated Wall Panels
Light Fixture
Dock Bumpers (typ 4)
Paint Edge Angle Safety Yellow
Exposed Concrete with Water Repellant Coating
Fin. El. 100 ft - 6 in.
3 ft Equal Spaces
3 ft Clear
3 ft - 6 in.
T.O. Concrete El. 100 ft - 6 in.
Aluminum Windows
H98030043.5R2
East Elevation
M0610-3.8
10-19-06


Waste Receiving and Processing Facility
23RD STREET
22ND STREET
WRPF DRIVE
DAYTON AVENUE
200W
Contour Interval: 1 Meter
The Hanford Site
Area Shown on Map
Waste Receiving and Processing Facility in the 200 West Area
TSD Unit Boundary
Contours at 1 Meter Intervals
Depression Contours at 1 Meter Intervals
Wells
DOE Operating Areas
Hanford Facility
SWMUs and Known Releases
Linear SWMUs and Known Releases
Spot SWMUs and Known Releases
Buildings & Mobiles
Structures
Major Roads
Service Roads
Railroads
Fences
Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
Created and Published by: Geospatial Information Technology Services (GITS)
Mission Support Alliance, Richland, WA (509) 373-9078
INTENDED USE: REFERENCE ONLY
Projection: Lambert Conformal Conic
Coordinate System: Washington State Plane, South Zone, Meters
Horizontal Datum: NAD83
Vertical Datum: NAVD88
Topographic Data:
1996, Bechtel Hanford, Inc.
051004_WRAPFacility_28x40_Rev6 12/10/2020