

 WASHINGTON STATE DEPARTMENT OF E C O L O G Y		<h2 style="margin: 0;">Addendum A</h2> <h3 style="margin: 0;">Part A Form</h3>																									
		Date Received		Reviewed by:				Date:																			
Month	Day	Year		Approved by:				Date:																			
<b>I. This form is submitted to: (place an "X" in the appropriate box)</b>																											
<input checked="" type="checkbox"/>		Request modification to a final status permit (commonly called a "Part B" permit)																									
<input type="checkbox"/>		Request a change under interim status																									
<input type="checkbox"/>		Apply for a final status permit. This includes the application for the initial final status permit for a site or for a permit renewal (i.e., a new permit to replace an expiring permit).																									
<input type="checkbox"/>		Establish interim status because of the wastes newly regulated on:																									
		List waste codes:																									
<b>II. EPA/State ID Number</b>																											
W	A	7	8	9	0	0	0	8	9	6	7																
<b>III. Name of Facility</b>																											
U.S. Department of Energy – Hanford Facility																											
<b>IV. Facility Location (Physical address not P.O. Box or Route Number)</b>																											
<b>A. Street</b>																											
825 Jadwin																											
City or Town										State				ZIP Code													
Richland										WA				99352													
County Code (if known)			County Name																								
0	0	5	Benton																								
<b>B. Land Type</b>		<b>C. Geographic Location</b>										<b>D. Facility Existence Date</b>															
		Latitude (degrees, mins, secs)					Longitude (degrees, mins, secs)					Month			Day			Year									
F		Refer to TOPO Map (Attachment C) for T-Plant Complex OUG-9										0	3					0	2					1	9	4	3
<b>V. Facility Mailing Address</b>																											
<b>Street or P.O. Box</b>																											
P.O. Box 550																											
City or Town										State				ZIP Code													
Richland										WA				99352													

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

<b>X. Other Environmental Permits (see instructions)</b>		
<b>A. Permit Type</b>	<b>B. Permit Number</b>	<b>C. Description</b>
E	AOP00-05-006	Title V Air Operating Permit
E	DE01NWP-002	WAC 173-400 & -460 Criteria & Toxics approval
E	FF-01-314	WAC 246-247 Radioactive Air Emissions approval, AIR 12-312, Emission Unit 314
E	FF-01-315	WAC 246-247 Radioactive Air Emissions approval, AIR 12-311, Emission Unit 315
E	FF-01-447	WAC 246-247 Radioactive Air Emissions approval, AIR 12-312, Emission Unit 447
<b>XI. Nature of Business (provide a brief description that includes both dangerous waste and non-dangerous waste areas and activities)</b>		
<p><b>SEE ATTACHMENT A for further description</b></p> <p>The Hanford Facility, located in southeastern Washington State, is owned by the U.S. Government and operated by the U.S. Department of Energy. Dangerous waste and mixed waste (containing both dangerous and radioactive components) are generated and managed on the Hanford Facility.</p> <p>The T Plant Complex Operating Unit Group (T Plant Complex) is located in Hanford's 200 West Area. The T Plant Complex was constructed in 1943 to chemically separate plutonium from uranium fission 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 container storage and treatment services for dangerous and/or mixed waste.</p> <p><b>S01:</b> The storage (S01) process design capacity is 7,573,509 liters (2,000,709 gallons).</p> <p><b>S06:</b> The containment building dangerous waste management unit is defined as locations within the 221-T Building that include the 221-T Railroad Tunnel, 221-T Canyon Deck, and selected 221-T Cells (7L, 13R, 17R). The containment building acts as primary containment for stored waste and materials (generally equipment and debris) not in containers. The maximum process design capacity for containment building is 10,700,000 liters (2,826,940 gallons).</p> <p><b>X99:</b> The miscellaneous unit storage consists of the 2706-T and 2706-TA buildings. The maximum process process design capacity is 26,377,000 liters (6,968,066 gallons).</p> <p><b>T04:</b> Container treatment consists of sorting and segregation; neutralization of corrosives, deactivation, reaction of reactive waste; absorption and liquid treatment, macroencapsulation; microencapsulation; volume reduction; mercury amalgamation; cutting and shearing; puncture and decant aerosol cans; stabilization; debris washing and physical extraction. The maximum container treatment process design capacity is 354.4 metric tons (390.7 short tons) per day.</p> <p><b>X99/T94:</b> Miscellaneous unit and containment building treatment: Waste treatment activities of non-containerized dangerous and mixed waste include consists of decontamination, physical extraction and stabilization. The maximum container treatment process design capacity for miscellaneous and containment building is 135.4 metric tons (149.3 short tons) per day.</p>		

**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	B. Process Design Capacity		C. Process Total Number of Units	Line Number	A. Process Codes	B. Process Design Capacity		C. Process Total Number of Units	D. Process Description
		1. Amount	2. Unit of Measure				1. Amount	2. Unit of Measure		
<b>X1</b>	<b>S02</b>	<b>1,600</b>	<b>G</b>	<b>002</b>	<b>X1</b>	<b>T04</b>	<b>700</b>	<b>C</b>	<b>001</b>	<b><i>In situ vitrification</i></b>
<b>X2</b>	<b>T03</b>	<b>20</b>	<b>E</b>	<b>001</b>						
<b>X3</b>	<b>T04</b>	<b>700</b>	<b>C</b>	<b>001</b>						
<b>1</b>	T04	354.4	S	005	1	T04	10	S	005	Solidification and/or absorption of liquids
<b>2</b>	S06	10,700	C	003	2	T04	1.3	S	004	Puncture and decant aerosol cans and/or cylinders
<b>3</b>	X99	26,377	C	002	3	T04	0.1	S	005	Mercury amalgamation
<b>4</b>	T94	90	S	003	4	T04	5	S	005	Deactivation (includes deactivation of ignitable, corrosive and reactive characteristics)
<b>5</b>	S01	7,573	C	012	5	T04	120	S	004	Microencapsulation/Macroencapsulation
<b>6</b>	X99	45.4	S	002	6	T04	62	S	004	Stabilization
<b>7</b>					7	T04	39	S	003	Volume Reduction
<b>8</b>					8	T04	39	S	005	Sorting and Segregation
<b>9</b>					9	T04	39	S	004	Debris Washing
<b>10</b>					10	T04	39	S	005	Physical Extraction
<b>11</b>					11	X99	45.4	S	002	Decontamination/Physical Extraction/Stabilization
<b>12</b>					12	T94	90	S	003	Decontamination/Physical Extraction/Stabilization
<b>13</b>										
<b>14</b>										

**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)]						
X1	D 0 0 2	400	P	S	0	1	T	0	1						
X2	D 0 0 1	100	P	S	0	2	T	0	1						
X3	D 0 0 2														<i>Included with above</i>
1															

SEE ATTACHMENT B

**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.

A topographic map of the Hanford Facility has been provided separately. A topographic map for T-Plant Complex is located in Attachment C.

**XVI. Facility Drawing**

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

Facility drawings of the Hanford Facility have been provided separately. Drawings for the T-Plant Complex are located in Attachment C.

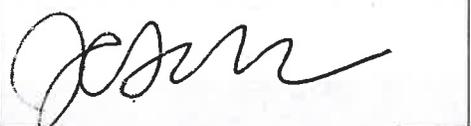
**XVII. Photographs**

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 of the Hanford Facility have been provided separately. Photographs for the T-Plant Complex are located in Attachment C.

Part A  
October 24, 2013

WA 7890008967, Part III Operating Unit Group 9  
T Plant Complex

<b>XVIII. Certifications</b>		
<p>I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.</p>		
<p><b>Operator</b> Name and Official Title U.S. Department of Energy Richland Operations Office By Matthew S. McCormick, Manager</p>	<p><b>Signature</b> </p>	<p><b>Date Signed</b> 10/4/13</p>
<p><b>Operator</b> Name and Official Title CH2M HILL Plateau Remediation Company By John C. Fulton, President and Chief Executive Officer</p>	<p><b>Signature</b> </p>	<p><b>Date Signed</b> 10/3/2013</p>
<p><b>Co-Operator – Address and Telephone Number*</b> P.O. Box 1600 Richland, WA 99352 (509) 376-0556</p>		
<p><b>Facility-Property Owner</b> Name and Official Title U.S. Department of Energy Richland Operations Office By Matthew S. McCormick, Manager</p>	<p><b>Signature</b> </p>	<p><b>Date Signed</b> 10/4/13</p>
<p><b>Comments</b></p> <p>Section XI. Refer to Attachment A for further description.</p> <p>Section XIV. Refer to Attachment B for waste codes for storage and treatment at the T-Plant Complex. The waste codes have been divided into groups for T Plant Complex based on the two main processes, storage and treatment; and the types of permitted units at T-Plant Complex, container, containment buildings, and miscellaneous units.</p> <p>Section XV. A topographic map of the Hanford Facility has been provided separately. Topographic map for T Plant Complex is located in Attachment C.</p> <p>Section XVI. Facility drawings of the Hanford Facility have been provided separately. Drawings for the T Plant Complex are located in Attachment C.</p> <p>Section XVII. Photographs of the Hanford Facility have been provided separately. Photographs for the T Plant Complex are located in Attachment C.</p>		

## Attachment A

### Section XI - Nature of Business

#### A1 Introduction

The Hanford Facility, located in southeastern Washington State, is owned by the U.S. Government and operated by the U.S. Department of Energy (DOE), Richland Operations Office. Dangerous waste and mixed waste (containing both dangerous and radioactive components) are generated and managed with in the Hanford Facility.

The T-Plant Complex Operating Unit Group (OUG) is located in Hanford's 200 West Area. The T-Plant Complex was constructed in 1943 to provide chemical separation of plutonium from uranium fission and activation products until 1956, using the Bismuth-Phosphate/Lanthanum-Fluoride process. Beginning in 1957, T-Plant was used for decontamination operations. Currently, the T-Plant Complex provides container storage and treatment services for dangerous and/or mixed waste. The waste received and processed by the T-Plant Complex has been generated both on and off the Hanford Site.

#### A2 General Description of On-Site Activities

The primary missions of the T-Plant Complex are treatment of dangerous and/or mixed waste and storage of non-containerized and containerized dangerous and/or mixed waste. These missions include characterization of Waste Retrieval Project retrieved waste, container venting, verification sampling, treatment, and repackaging of dangerous and mixed waste. In addition, the T-Plant Complex will store and treat sludge retrieved from the K-Basins. The T-Plant Complex mission is dynamic in nature. Wastes that can be managed at T-Plant include low-level waste (LLW), mixed low-level waste (MLLW), transuranic (TRU) waste, mixed transuranic (TRUM) waste, hazardous/dangerous waste, and *Toxic Substances Control Act of 1976* (TSCA)-polychlorinated biphenyl (PCB) waste.

The multiple storage dangerous waste management units (DWMUs), each with different configurations, provide the operational flexibility to support the various waste management activities at the T-Plant Complex. In some cases, physical separation between large containers is required to meet *Atomic Energy Act of 1954* controls.

The storage and treatment DWMUs provide space for the storage and processing of mixed and non-mixed radioactive wastes, including TSCA-PCB contaminated mixed and non-mixed radioactively contaminated wastes.

Table A-1 identifies the operating DWMUs in the T-Plant Complex where dangerous and mixed waste is treated or stored. The type of DWMU and the corresponding treatment authorization are indicated in Table A-2.

The T-Plant Complex includes DWMUs currently undergoing closure activities, as listed in Table A-1. DOE has agreed through a Consent Agreement and Final Order (CAFO) with the U.S. Environmental Protection Agency to close some of these DWMUs. In other cases, DOE has identified no further use for these storage areas. The closure units are not authorized to accept dangerous and/or mixed waste.

Maps and photographs of the DWMUs are located in Attachment C of this Part A application.

**Table A-1. T-Plant Dangerous Waste Management Units**

Operating Dangerous Waste Management Units			
DWMU Name	Treatment	Storage	Notes
221-T Canyon Deck	YES	YES	Part of 221-T Canyon Building
221-T Cells	YES	YES	Part of 221-T Canyon Building; includes the following cells: 7L, 13R, and 17R
221-T Railroad Tunnel	YES	YES	Part of 221-T Canyon Building; includes outdoor storage area
221-T Head End	NO	YES	Part of 221-T Canyon Building; includes outdoor storage area
221-T Operations Gallery Storage	NO	YES	Part of 221-T Canyon Building
221-T BY Storage Area	NO	YES	Outdoor storage area that includes TSCA container 221T-03-000004
2706-T Building	YES	YES	Includes outdoor storage area
2706-TA Building	YES	YES	Includes outdoor storage area
2706-T Yard (Including HS-030 and HS-032 Storage Modules)	NO	YES	Outdoor storage area
2706-T Asphalt Pad	NO	YES	Outdoor storage area
243-T Covered Storage Pad	NO	YES	Outdoor storage area
214-T Building	YES	YES	Includes outdoor storage area
211-T Cage	NO	YES	Outdoor storage area
Closing DWMUs			
DWMU Name	CAFO Unit	Notes	
271-T Cage	YES		
211-T Pad	YES		
221-T Sand Filter Pad	YES		
221-T R5 Waste Storage Area	YES		
277-T Outdoor Storage Area	YES		
277-T Building	NO		
2706-TB Tank System	NO	Includes 2706-TB Building	
221-T Railroad Cut	NO	Gravel area in front of 221-T Railroad Tunnel DWMU	
221-T Pipe Gallery Storage	NO	Inside the 221-T Canyon Building	
221-T Tank System	NO	Includes the 211-T Sump	

CAFO = Consent Agreement and Final Order  
DWMU = dangerous waste management unit  
TSCA = Toxic Substances Control Act of 1976

**Table A-2. Summary of T-Plant Operating Dangerous Waste Management Units**

Management Unit Type	T-Plant Operating Unit Group DWMUs	Part A Treatment Type	Part A Storage Type
Container (Storage)	221-T Head End 221-T Operations Gallery Storage 2706-T Yard (including HS-030 and HS-032 Storage Modules) 2706-T Asphalt Pad 243-T Covered Storage Pad 221-T BY Storage Area 211-T Cage	N/A	S01 <sup>a</sup>
Container (Storage and Treatment)	221-T Railroad Tunnel 221-T Canyon Deck 2706-T Building 2706-TA Building 214-T Building	T04 <sup>a</sup>	S01 <sup>a</sup>
Containment Building (Storage and Treatment)	221-T Cells (7L, 13R, and 17R) 221-T Canyon Deck 221-T Railroad Tunnel	T94 <sup>b</sup>	S06 <sup>b</sup>
Miscellaneous Unit (Storage and Treatment)	2706-T Building 2706-TA Building	X99 <sup>c</sup>	X99 <sup>c</sup>

a. Containers

b. Containment building

c. Miscellaneous unit (both storage and treatment of non-containerized waste)

DWMU = dangerous waste management unit

N/A = not applicable

### A3 Operating Units

The following subsections describe the function of each operating DWMU.

#### A3.1 221-T Building

The 221-T Building includes the following operating DWMUs: 221-T Head End, 221-T Operations Gallery, 221-T Cells (7L, 13R, and 17R), 221-T Canyon Deck, and 221-T Railroad Tunnel. Photographs in Appendix C provide locations for these DWMUs inside the 221-T Canyon Building.

The 221-T Building is a canyon type containment building ([WAC 173-303-695](#), “Dangerous Waste Regulations,” “Containment Buildings”), constructed of reinforced concrete approximately 260 m (850 ft)

long, 21 m (70 ft) wide, and 23 m (75 ft) high, and covers a 5,400 m<sup>2</sup> area. The floor of the 221-T Canyon Building is 1.8 m (6 ft) thick, the northwest wall is approximately 0.9 m (3 ft) thick, and the southeast wall is approximately 1.5 m (5 ft) thick. The building consists of the canyon (221-T Canyon Deck, 221-T Cells, and 221-T Tank System), three galleries (operating, pipe, and electrical), one crane-way, and a head-end area (221-T Head End). The standard canyon cells normally are covered by four 1.83 m (6 ft) thick concrete cover blocks. Each cover block has a carbon steel lifting bail to allow access into the cells. The area on top of the cover blocks is referred to as the canyon deck. The canyon deck is approximately 12 m (40 ft) below a 0.9 to 1.2 m (3 to 4 ft) thick concrete roof. The canyon deck consists of 38 covered and uncovered process cells (2L through 20L) and the railway tunnel access. The process cells begin at Section 2R and continue through Section 20L.

A 41 metric ton capacity master crane moves parallel to the canyon, allowing access to the canyon deck area, which facilitates remote decontamination, maintenance, treatment, and storage activities. The crane maintenance platform, located in section 20, allows hands-on crane inspection and maintenance. The crane is currently in lay-up mode and will require maintenance to return to service.

The 221-T Building was designed and built to codes and standards applicable in 1944. These standards included static, vertical, live, and dead loads, and lateral wind forces based on the projected building area. Although these codes had no seismic provisions and no requirements for tornado resistance, the tornado and seismic stress that the building can tolerate has been calculated.

Table A-2 summarizes the operating DWMUs in the 221-T Building and the remainder of the DWMUs that make up the T-Plant Complex.

The function of each operating DWMU in the T-Plant Complex is provided in the following subsections.

### **A3.2 221-T Head End (Storage)**

The 221-T Head End is permitted as a container storage area. The 221-T Head End is located at the north end of the building at all three floor levels and the craneway level. At the canyon deck level, the head end provides a working space for contamination control activities and container storage. The northernmost portion of the head end is a mezzanine level accessed by open metal stairs. There is direct access to a portion of the craneway from the mezzanine. An overhead rolling door provides direct access to the exterior on the east side of the 221-T Canyon Building. A concrete ramp provides vehicular access from grade level.

The floor, roof, and other walls are continuations of the canyon construction. A metal wall of corrugated sheet metal on steel beams isolates the head end from the canyon at the beginning of Section 2. A double-wide door has been added to the sheet metal wall separating the head end from the balance of the canyon.

A diverse range of waste containers is managed in the 221-T Head End storage area including, but not limited to, waste boxes, drums, casks, and self-contained waste. Containers come in varying sizes and types (e.g., metal, wood, concrete, and reinforced fiberglass plywood).

The 221-T Head End does not have engineered secondary containment; therefore, any waste containers requiring secondary containment stored within this area will be stored over devices meeting the requirements of [WAC 173-303-630\(7\)](#), “Dangerous Waste Regulations,” “Use and Management of Containers.”

No treatment is authorized in the 221-T Head End.

### A3.3 221-T Operations Gallery (Storage)

The 221-T Operations Gallery Storage is located in the 221-T Operations Gallery/Section 14. This unit consists of a metal cabinet approximately 6 ft tall and 4 ft wide. The cabinet has multiple shelves and may store solid and/or liquid dangerous waste items, but it is not suitable for flammable waste storage. All other waste codes are acceptable. Liquid waste is stored and segregated by using plastic spill tubs with a 2 gal capacity volume for each tub.

The unit stores mixed waste that is generated from the 221-T Complex. The total volume for the 221-T Operations Gallery Storage is 30 gal. Individual containers will be 2 gal or less. The usual size is less than 1 gal. Container types include poly, glass, metal, and fiber.

No treatment is authorized in the 221-T Operations Gallery Storage Area.

### A3.4 221-T Cells (Storage and Treatment)

The 221-T Cells are permitted as a containment building for storage and treatment. The 221-T Canyon Building contains 37 process cells, grouped into 12 m (40 ft) sections arranged in a single row running the length of the canyon. Access to the waste in the containment cells is through the use of an overhead crane. Access by surveillance personnel to the cell floor is not feasible.

The 221-T Containment Building cell design and operation meet the requirements of 40 CFR 264, “Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities,” part DD for containment structures. Three process cells (17R, 13R, and 7L) are identified as containment building cells where some have been modified for a secondary containment liner.

Shielding walls made of 2.7 m (9 ft) thick reinforced concrete separate the cells from the electrical and pipe galleries. The operating gallery is separated from the canyon deck by a 2.1 m (7 ft) thick reinforced concrete wall. The crane cab is protected by a 1.5 m (5 ft) thick concrete wall that extends 2.7 m (9 ft) above the floor level. Each section in the canyon is numbered according to building section and consists of two cells: one designated (R) and one (L). There is an expansion joint between each section. Sections 2 through 20 are divided into cells. Cells within each section are separated by a 2.1 m (7 ft) thick reinforced concrete wall. The cells measure 5.5 m (18 ft) long, by 4 m (13 ft) wide, by 8.5 m (28 ft) deep except for Cells 2R and 5R. Cell 2R measures 4 m (13 ft) wide, 8.5 m (28 ft) long, and 8.5 m (28 ft) deep. Cell 5R is 5.5 m (18 ft) long, by 4 m (13 ft) wide, by 14.6 m (48 ft) deep. The standard canyon cells normally are covered by four 1.83 m (6 ft) thick concrete cover blocks. Each cover block has a carbon steel lifting bail to allow access into the cells. Several cells are partly or completely uncovered. The building is maintained below atmospheric pressure with the exhaust filtered through a series of filters. The building design and operation meet the requirements of 40 CFR 264 part DD for containment structures.

Containment building waste treatment activities of non-containerized waste include solidification for deactivation or stabilization, debris physical extraction technologies, or debris immobilization technologies. Treatment in the 221-T Cells will typically be accomplished remotely using the canyon crane.

Storage capacity includes the 221-T Canyon Deck and the 221-T Railroad Tunnel. A diverse range of waste can be stored in the containment cells, including contaminated process equipment and non-containerized waste. The storage height of an item will be limited to 6.5 m (21 ft), which is the depth of the cell after the cover blocks are in place. The use of secondary containment further reduces the height of an item that can be stored in the containment cell.

Liquids can be present in the waste to be managed in the containment building. Bulk liquids will not be managed; however, small amounts of liquids in equipment (e.g., pumps) can be present. 40 CFR 264.1101(b)(2), “Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities,” “Design and Operating Standards,” requires a liquid collection and removal system to minimize the accumulation of liquid on the primary barrier.

For the 221-T Cells, the cell drains have been plugged for liquids to be contained in the cells.

### **A3.5 221-T Canyon Deck (Storage and Treatment)**

The 221-T Canyon Deck is permitted as a container storage and treatment area and also containment building storage and treatment area. The 221-T Canyon Deck is approximately 11.3 m (37 ft) wide by 180 m (600 ft) long. The canyon ceiling is approximately 12 m (40 ft) above the 221-T Canyon Deck. The 221-T Railroad Tunnel occupies Cell 2L. The tops of the cell cover blocks serve as the floor surface in much of the 221-T Canyon Deck. Each section is numbered according to the building section number and consists of two cells: one designated right (R) and the other left (L).

The 221-T Canyon Deck can be used for packaging, special decontamination services, repair, treatment, and storage. Equipment that requires decontamination for repair, reuse, recycle, storage, or disposal (e.g., pumps, motors, and resin columns) is stored on the 221-T Canyon Deck or in the canyon cells. The amount and type of equipment in the cells can vary with treatment and storage support requirements.

Sections 4 through 10 are the canyon service areas used as staging and storage areas for contaminated and decontaminated equipment. The primary staging and storage areas for pumps and agitators are located in sections 4 and 6. However, these locations within the canyon can change to support waste operations.

Treatment capabilities in the 221-T Canyon Deck pertain to container treatment and containment building treatment. Containment building waste treatment activities of non-containerized dangerous and mixed waste include solidification for deactivation or stabilization, debris physical extraction technologies, or debris immobilization technologies. Containerized waste treatment activities include solidification and/or absorption of liquids, puncture and decant of aerosol cans and/or cylinders, mercury amalgamation, deactivation (includes deactivation of ignitable, corrosive, and reactive characteristics by methods including but not limited to neutralization, solidification, cementing, absorption, encapsulating, and controlled reaction with water), microencapsulation/macroencapsulation (includes radioactive lead solids, debris and radioactive lead acid batteries), stabilization (cementing, solidification, absorption, and encapsulation), volume reduction, sorting and segregation, debris washing, and physical extraction.

A diverse range of waste containers is managed in the 221-T Canyon Deck storage and treatment area including, but not limited to, waste boxes, drums, casks, and self-contained waste. Containers come in varying sizes and types (e.g., metal, wood, concrete, and reinforced fiberglass plywood).

The 221-T Canyon Deck does not have engineered secondary containment; therefore, any waste containers requiring secondary containment stored within this area will be stored over devices meeting the requirements of [WAC 173-303-630\(7\)](#).

### **A3.6 221-T Railroad Tunnel (Storage and Treatment)**

The 221-T Railroad Tunnel is permitted as a container storage and treatment area and also as a containment building storage and treatment area. The 221-T Railroad Tunnel storage area is located within the railroad tunnel that enters the 221-T Canyon Building at cell 2L. Waste and the equipment to be stored in the 221-T Building are brought into the tunnel on vehicles. Materials are lifted by crane and placed in the desired storage location within the 221-T Canyon Deck or Cells. Although normally used

only as a transfer and staging area for waste, the 221-T Railroad Tunnel may also be used for waste storage and treatment.

The 221-T Railroad Tunnel measures 63.7 m (209 ft) long, 4.9 m (16 ft) wide, and 7.3 m (24 ft) high. The floor, walls, and ceiling are of reinforced concrete. It is overburdened with a minimum of approximately 0.9 m (3 ft) of native rock and soil. At the west end of the 221-T Railroad Tunnel, a 4.9 m (16 ft) wide by 6.7 m (22 ft) high overhead roll-up door provides vehicular and railway access. The 221-T Railroad Tunnel floor is 10.4 m (34 ft) below the level of the canyon deck. A stair provides access between the 221-T Railroad Tunnel and the 221-T Canyon Deck.

The ramp and asphalt pad outdoor storage area leading up to the 221-T Railroad Tunnel is included in the 221-T Railroad Tunnel DWMU.

Treatment capabilities in the 221-T Railroad Tunnel pertain to container treatment and containment building treatment. Containerized waste treatment activities include solidification and/or absorption of liquids, puncture and decant of aerosol cans and/or cylinders, mercury amalgamation, deactivation (includes deactivation of ignitable, corrosive, and reactive characteristics by methods including but not limited to neutralization, solidification, cementing, absorption, encapsulating, and controlled reaction with water), microencapsulation/macroencapsulation (includes radioactive lead solids, debris and radioactive lead acid batteries), stabilization (cementing, solidification, absorption, and encapsulation), and sorting and segregation. Containment building waste treatment activities of non-containerized dangerous and mixed waste include solidification for deactivation or stabilization, debris physical extraction technologies, or debris immobilization technologies.

The 221-T Railroad Tunnel containment building (S06) storage capacity is incorporated into the 221-T Cells S06 storage capacity and is not listed separately. A diverse range of waste containers are managed in the tunnel storage and treatment area including, but not limited to, waste boxes, drums, casks, and self-contained waste. Containers come in varying sizes and types (e.g., metal, wood, concrete, and reinforced fiberglass plywood).

The 221-T Railroad Tunnel does not have engineered secondary containment; therefore, any waste containers requiring secondary containment stored within this area will be stored over devices meeting the requirements of [WAC 173-303-630\(7\)](#).

### **A3.7 221-T BY Storage Area (Storage)**

The 221-T BY Storage Area is an 87 m (285 ft) long and 46 m (150 ft) wide uncovered, irregular shaped area encompassing asphalt and gravel pads. It is located northwest of the 221-T Canyon Building and 221-T Railroad Tunnel. The size of the storage area allows for the storage of large containers while providing a separation distance appropriate for high-level radioactive containers. 221-T BY Storage Area waste storage area is primarily used to store remote-handled TSCA waste. TSCA container 221T-03-000004 is currently stored in the 221-T BY storage area.

A diverse range of waste containers are managed in the storage area including, but not limited to, waste boxes, drums, casks, and self-contained waste. Containers come in varying sizes and types (e.g., metal, wood, concrete, and reinforced fiberglass plywood). The 221-BY Storage Area DWMU does not have a constructed secondary containment system. Any waste containers requiring secondary containment for liquid or incompatible waste management are stored over portable secondary containment.

No treatment is authorized in the 221-T BY Storage Area.

### **A3.8 2706-T Building (Storage and Treatment)**

The 2706-T Building is permitted as a container storage and treatment unit and as a miscellaneous storage and treatment unit. Miscellaneous unit operations allow for the storage of non-containerized waste potentially containing free liquids and for decontamination or treatment activities using free liquids solvents on 2706-T Building operational area floors.

The 2706-T Building is an 18 m (60 ft) wide, 20 m (65 ft) long, and 7.6 m (25 ft) high ground level building constructed of prefabricated steel with 6 m (19.5 ft) high sidewalls. The exterior walls of the 2706-T Building are 15 cm (6 in.) thick and consist of insulation sheathed in prefabricated steel. The 2706-T Building has openings on the east and west ends (leading to 2706-TA Building) fitted with roll-up metal doors. The west side has two doors, the larger of which is 3.7 m (12 ft) wide by 4.9 m (16 ft) high, and will be the entrance to the railroad pit area from the 2706-TA Building. The east side door and the other door on the west end, leading to the 2706-TA Building, are 2.7 m (9 ft) wide by 4.3 m (14 ft) high. The 2706-T Building has a concrete floor with an epoxy floor sealant applied to all operational area floors.

The 2706-T Building contains a railroad pit, approximately 17 m (56 ft) long by 5.2 m (17 ft) wide by 1.8 m (6 ft) deep. The pit floor is sloped to drain to a 400 L (106 gal) below-grade sump (2706-T railroad pit sump). The 2706-T Building will be the loadout point for all liquid waste generated in the 2706-T and 2706-TA Buildings.

The 2706-T Building DWMU also includes the surrounding outdoor storage areas.

Containerized waste treatment activities include solidification and/or absorption of liquids, puncture and decant of aerosol cans and/or cylinders, mercury amalgamation, deactivation (includes deactivation of ignitable, corrosive, and reactive characteristics by methods including but not limited to neutralization, solidification, cementing, absorption, encapsulating, and controlled reaction with water), microencapsulation/macroencapsulation (includes radioactive lead solids, debris and radioactive lead acid batteries), stabilization (cementing, solidification, absorption, and encapsulation), volume reduction, sorting and segregation, debris washing, and physical extraction. Waste treatment activities of non-containerized waste in the miscellaneous unit include solidification for deactivation or stabilization, debris physical extraction technologies, or debris immobilization technologies. Decontamination or treatment in the miscellaneous unit using free liquids can occur directly on building operational area floors and provides primary and/or secondary containment for liquid decontamination waste and other compatible and accepted liquid mixed waste. The 2706-T railroad pit sump is fully functional, and liquids are removed manually, if needed.

A diverse range of waste can be stored and treated in the 2706-T Building including contaminated process equipment and containerized and non-containerized waste. Containerized waste may include waste boxes, drums, casks, and self-contained waste. Containers come in varying sizes and types (e.g., metal, wood, concrete, and reinforced fiberglass plywood).

### **A3.9 2706-TA Building (Storage and Treatment)**

The 2706-TA Building is permitted as a container storage and treatment unit and a miscellaneous storage and treatment unit. The 2706-TA Building is used for equipment decontamination and dangerous and mixed waste treatment and storage activities. The 2706-TA Building has an equipment roll-up door 3.5 m (11.5 ft) wide by 4.6 m (15 ft) high, and a larger door 5.4 m (17.5 ft) wide by 6.1 m (20 ft) high, located at the west end of the building along with the roll-up doors to the 2706-T Building. The 2706-TA Building has a concrete floor with an epoxy floor sealant applied to all operational area floors.

The 2706-TA Building, constructed of pre-fabricated steel, is approximately 15 m (49 ft) wide and 7.6 m (25 ft) high, with a concrete foundation and floor. The 2706-TA Building has an equipment roll-up door 3.5 m (11.5 ft) wide by 4.6 m (15 ft) high, and a larger door 5.4 m (17.5 ft) wide by 6.1 m (20 ft) high, located at the west end of the building along with the roll-up doors to the 2706-T Building.

The 2706-TA Building was installed over the concrete pad located west of the 2706-T Building. The building and foundation meet design loads equal to those of the 2706-T Building.

The 2706-TA Building DWMU also includes the surrounding outdoor storage areas.

The 2706-TA Building has waste treatment and decontamination capabilities equivalent to the 2706-T Building. Treatment activities occur for the container management unit and miscellaneous unit. Containerized waste treatment activities include solidification and/or absorption of liquids, puncture and decant of aerosol cans and/or cylinders, mercury amalgamation, deactivation (includes deactivation of ignitable, corrosive, and reactive characteristics by methods including but not limited to neutralization, solidification, cementing, absorption, encapsulating, and controlled reaction with water), microencapsulation/macroencapsulation (includes radioactive lead solids, debris and radioactive lead acid batteries), stabilization (cementing, solidification, absorption, and encapsulation), volume reduction, sorting and segregation, debris washing, and physical extraction.

Waste treatment activities of non-containerized waste in the miscellaneous unit include solidification for deactivation or stabilization, debris physical extraction technologies, or debris immobilization technologies. Decontamination or treatment using free liquids can occur directly on building operational area floors, and provides primary and/or secondary containment for liquid decontamination waste and other compatible and accepted liquid mixed waste. The 2706-TA sump and the 2706-TA heating, ventilating, and air conditioning sumps are fully functional, and liquids are removed manually, if needed.

A diverse range of waste can be stored and treated in the 2706-TA Building including contaminated process equipment and containerized and non-containerized waste. Containerized waste may include waste boxes, drums, casks, and self-contained waste. Containers come in varying sizes and types (e.g., metal, wood, concrete, and reinforced fiberglass plywood).

### **A3.10 2706-T Yard (Including HS-030 and HS-032 Storage Modules) (Storage)**

The 2706-T Yard is a fenced, uncovered asphalt paved area for storage of containerized waste. The 2706-T Yard is located on the south side of the 2706-T Building. The 2706-T Yard is irregular in shape and contains two engineered metal structures (HS-030 and HS-032), which are part of the DWMU. The fenced area covers an area of approximately 2,344 m<sup>2</sup> (25,200 ft<sup>2</sup>).

The maximum treatment rate and storage volume capacities are identified in Table A-3. A diverse range of containerized waste can be stored in the 2706-T Yard. Containerized waste may include waste boxes, drums, casks, and self-contained waste. Containers come in varying sizes and types (e.g., metal, wood, concrete, and reinforced fiberglass plywood). Containers stored within the fenced permitted storage area will be elevated to prevent contact with accumulated liquids. In the 2706-T Yard DWMU outdoor storage areas, containers with known free liquids will be stored over individual portable secondary containment in compliance with WAC 173-303-630(7).

The two storage units (HS-030 and HS-032) are each an engineered metal storage module, also called a CONEX box, and are located inside the 2706-T Complex fenceline. Each is completely enclosed by walls, a roof, and flooring to protect containers from precipitation and run-on. The storage structures measure 7.2 m (24 ft) long, by 3.5 m (11.5 ft) wide, by 2.7 m (8.5 ft) high, and are divided into three separate compartments or cells. Each cell within each module has a door that opens onto a loading

platform or ramp. Inside, the containers rest on a chemical resistant non-skid fiberglass grate above a steel secondary containment basin that is free of cracks and has a chemical resistant coating. The containment basin has a capacity of 3,142 L (830 gal). The roof collects and directs the precipitation to the rear of the building away from the doorways and loading platforms.

A diverse range of containerized waste can be stored in the HS-030 Storage Module and HS-032 Storage Module. Container size is limited to the door openings of the modules.

No treatment is authorized in the 2706-T Yard DWMU.

### **A3.11 2706-T Asphalt Pad (Storage)**

The 2706-T Asphalt Pad is an uncovered asphalt area for storage of waste in containers. This pad can store waste containers of various size and volume. The 2706-T Asphalt Pad is 45.5 m (150 ft) long and 24.3 m (80 ft) wide. It is located west of the 2706-TB Building. The 2706-T Asphalt Pad can store a variety of waste streams to ensure adequate capacity and operational flexibility consistent with the dynamic nature of the T-Plant Complex mission.

Containerized waste may be stored in the 2706-T Asphalt Pad. Containerized waste may include waste boxes, drums, casks, and self-contained waste. Containers come in varying sizes and types (e.g., metal, wood, concrete, and reinforced fiberglass plywood).

The 2706-T Asphalt Pad does not have a constructed secondary containment system. Any waste containers requiring secondary containment for liquid or incompatible waste management are stored over portable secondary containment.

No treatment is authorized in the 2706-T Asphalt Pad DWMU.

### **A3.12 243-T Covered Storage Pad (Storage)**

The 243-T Covered Storage Pad is a 96 m (315 ft) long by 62.5 m (205 ft) wide irregular shaped area with a concrete and asphalt base, containing a covered storage structure, located at the west corner of T-Plant. The structure is constructed with a steel frame, sheet metal roof, and open sides, and it covers only a portion of the pad area.

The 243-T Covered Storage Pad also includes uncovered, paved areas beyond the structure that are used for loading, unloading, and staging of containers.

A diverse range of waste containers is managed in the storage area including, but not limited to, waste boxes, drums, casks, and self-contained waste. Containers come in varying sizes and types (e.g., metal or concrete). The 243-T Covered Storage Pad does not have a constructed secondary containment system. Any waste containers requiring secondary containment for liquid or incompatible waste management are stored over portable secondary containment.

No treatment is authorized in the 243-T Covered Storage Pad DWMU.

### **A3.13 214-T Building (Storage and Treatment)**

The 214-T Building provides container storage and treatment and is located on the west side of the 221-T Building near the 221-T Railroad Tunnel. The 214-T Building, enclosed totally to protect containers from precipitation or run-on, is 15 m (49 ft) wide, 8.8 m (29 ft) long, and 3.7 m (12 ft) high. The building is constructed of corrugated steel overlaying I-beams and has a concrete floor. The concrete floor is covered with a chemical resistant coating and divided by a raised concrete berm to allow for the separation of

incompatible waste types. The two floor areas are sloped to prevent mixing of incompatible materials and direct any spills to separate floor sumps.

The outdoor storage area consists of the approach aprons and access paths to the vehicle entrance roll-up door for the building.

Containerized waste treatment activities include solidification and/or absorption of liquids, mercury amalgamation, deactivation (includes deactivation of ignitable, corrosive, and reactive characteristics by methods including but not limited to neutralization, solidification, cementing, absorption, encapsulating, and controlled reaction with water), volume reduction, sorting and segregation, and physical extraction.

A diverse range of containerized waste can be stored in the 214-T Building. Containerized waste may include waste boxes, drums, casks, and self-contained waste. Containers come in varying sizes and types (e.g., metal, wood, concrete, and reinforced fiberglass plywood).

The 214-T Building contains two floor areas, sloped to prevent mixing of incompatible materials and direct any spills to separate floor sumps, and a third flammable storage area. The sumps are not connected to any piping system. The 214-T Building has compliant secondary containment; therefore, containers requiring secondary containment can be stored in this container storage area without portable secondary containment.

### **A3.14 211-T Cage (Storage)**

The 211-T Cage is a 7.3 m (24 ft) long and 4.7 m (15 ft) wide fenced outside storage area with a locking gate for storing containerized waste. The floor is concrete and has engineered berms, a collection sump, and epoxy coating. The 211-T Cage is split into two sections separated by a concrete berm and surrounded by a 6 in. curb. Storing containerized waste for the purposes of segregating incompatible wastes or providing secondary containment for liquid wastes prior to treatment is one use of this storage area. The 211-T Cage can store a variety of waste streams to ensure adequate capacity and operational flexibility consistent with the dynamic nature of the T-Plant mission. This location is used for waste storage.

A diverse range of containerized waste can be stored in the 211-T Cage. The containerized waste consists primarily of 208 L (55 gal) drums, 321 L (85 gal) drums, and standard waste boxes. Containers come in varying sizes and types (e.g., metal, wood, concrete, and reinforced fiberglass plywood).

No treatment is authorized in the 211-T Cage.

## **A4 Closing DWMUs**

The T-Plant Complex includes DWMUs currently undergoing closure activities per an approved closure plan. These units are not authorized to accept dangerous and/or mixed waste into the units.

### **A4.1 271-T Cage (Closing)**

The 271-T Cage is adjacent to the north side of 271-T Building. The 271-T Cage was used to store dangerous, mixed, and TSCA-PCB waste in a <90-day or satellite accumulation storage area, and materials for recycle.

The 271-T Cage area is an uncoated concrete floor 5.6 m (18 ft) long by 2.7 m (9 ft) wide, with a total area of 15.1 m<sup>2</sup> (162 ft<sup>2</sup>). The 271-T Cage is defined on the south side by the 271-T Building and on the remaining three sides by metal chainlink cage material. The 271-T Cage outdoor storage area is covered

with corrugated metal roofing material. The 271-Cage does not currently store dangerous, mixed, or TSCA-PCB waste.

This DWMU is undergoing *Resource Conservation and Recovery Act of 1976* (RCRA) closure. No future receipts of RCRA waste for storage or treatment of dangerous or mixed waste are authorized.

#### **A4.2 211-T Pad (Closing)**

The 211-T Pad is located west of the 221-T Canyon Facility and adjacent to the 211-T-52 Building and ancillary equipment. The 211-T Pad was generally used as secondary containment for tanker trucks. However, containerized dangerous, mixed, or TSCA-PCB waste was also stored on the 211-T Pad. The 211-T Pad area is a curbed, uncoated concrete pad 18 m (59 ft) long by 6 m (20 ft) wide, with a total area of 108 m<sup>2</sup> (1,180 ft<sup>2</sup>) that slopes into a blind sump. The 211-T Pad blind sump provided secondary containment during periods of waste storage. The 211-T Pad does not currently store dangerous, mixed, or TSCA-PCB waste.

This DWMU is undergoing RCRA closure. No future receipts of RCRA waste for storage or treatment of dangerous or mixed waste are authorized.

#### **A4.3 211-T Sand Filter Pad (Closing)**

The 221-T Sand Filter Pad is located at the north end of the 221-T Canyon Building. The 221-T Sand Filter Pad is an uncovered gravel area 55 m (180 ft) long by 18 m (60 ft). The perimeter of the 221-T Sand Filter pad is designated by jersey barriers. The 221-T Sand Filter Pad was used to store dangerous, mixed, and TSCA-PCB waste in a <90-day or satellite accumulation storage area. The 221-T Sand Filter Pad does not currently store dangerous, mixed, or TSCA-PCB waste.

This DWMU is undergoing RCRA closure. No future receipts of RCRA waste for storage or treatment of dangerous or mixed waste are authorized.

#### **A4.4 221-T R5 Waste Storage Area (Closing)**

The 221-T R5 Waste Storage Area is located at the northeast end of 221-T Canyon Building. The 221-T R5 Waste Storage Area was used to store dangerous, mixed, and TSCA-PCB waste in a <90-day or satellite accumulation storage area.

The 221-T R5 Waste Storage Area was constructed with the primary purpose of storing containers of various sizes and volumes and a variety of waste streams to ensure adequate capacity and operational flexibility to support T-Plant activities. The 221-T R5 Waste Storage Area is an asphalt paved area 47 m (155 ft) long by 18 m (60 ft) wide. A portable weather shelter, designated as 229-W, currently occupies the northeast end of the pad. The 221-T R5 Waste Storage Area does not currently store dangerous, mixed, or TSCA-PCB waste.

This DWMU is undergoing RCRA closure. No future receipts of RCRA waste for storage or treatment of dangerous or mixed waste are authorized.

#### **A4.5 277-T Outdoor Storage Area (Closing)**

The 277-T Outdoor Storage Area is located west of 221-T Canyon Facility and north of the 221-T Tunnel. The 277-T Outdoor Storage Area was previously used for storing containers of various sizes and volumes and a variety of waste streams to ensure adequate capacity and operational flexibility to support T-Plant activities. The 277-T Outdoor Storage Area consists of two uncoated concrete pads and a gravel area surrounding the 277-T Building. The 277-T Outdoor Storage Area is 29 m (32 yd) on the south side, by

29 m (32 yd) on the west side, by 44 m (49 yd) on the north side, by 29 m (32 yd) on the east side, for a total approximate area of 1,081 m<sup>2</sup> (1,293 yd<sup>2</sup>). The 277-T Outdoor Storage Area does not currently store dangerous, mixed, or TSCA-PCB waste.

This DWMU is undergoing RCRA closure. No future receipts of RCRA waste for storage or treatment of dangerous or mixed waste are authorized.

#### **A4.6 277-T Building (Closing)**

The 277-T Building is located on the west side of the 221-T Building, on the north side of the 221-T Railroad Tunnel. It is a single story pre-engineered metal building constructed of I-beams covered with corrugated steel on a concrete slab on grade. The building is 12 m (40 ft) long, 9.8 m (32 ft) wide, and 7.3 m (24 ft) high. There are roll-up doors located on each end of the building. The 277-T Building does not currently store any dangerous, mixed waste, or TSCA-PCB waste.

This DWMU is undergoing RCRA closure. No future receipts of RCRA waste for storage or treatment of dangerous or mixed waste are authorized.

#### **A4.7 2706-TB Tank System (Closing)**

The 2706-TB Tank System includes two storage tanks (T-XX-2706-220 and T-XX-2706-221), piping, ancillary equipment, and the 2706-TB enclosure building. The 2706-TB Tank System enclosure was constructed to enclose the 2706-TB tanks that managed liquid mixed waste generated in the 2706-T and 2706-TA Buildings.

The 2706-TB Tank System enclosure is 9.5 m (31 ft) wide, 14 m (46 ft) long, and 9.6 m (31 ft) high. The building is constructed of prefabricated steel and has a concrete foundation and floor. The 2706-TB Tank System enclosure contains the two storage and treatment tanks, provides the secondary containment, and includes a chemical addition room located at the north end of the enclosure. The chemical addition room is not included in the closing portion of the 2706-TB Tank System.

Secondary containment for the 2706-TB Tank System consists of a concrete berm with an external liner made of a high-density epoxy coating that is free of crack and gaps.

The 2706-TB Tank System does not currently manage dangerous or mixed waste.

This DWMU is undergoing RCRA closure. No future receipts of RCRA waste for storage or treatment of dangerous or mixed waste are authorized.

#### **A4.8 221-T Railroad Cut (Closing)**

The 221-T Railroad Cut is an uncovered gravel area located on the north end of the T-Plant Canyon Building outside of the 221-T Railroad Tunnel. The 221-T Railroad Cut is approximately 27 m (90 ft) long by 15 m (50 ft) wide at the fence and 8 m (25 ft) wide at the 221-T Railroad Tunnel end. The 221-T Railroad Cut was occasionally used to store mixed waste being transferred into or out of the 221-T Railroad Tunnel. This area is not currently being proposed for further mixed waste storage as part of the 221-T Railroad Tunnel DWMU; therefore, only the gravel area is undergoing RCRA closure. The 221-T Railroad Cut does not currently store dangerous, mixed, or TSCA-PCB waste.

This DWMU is undergoing RCRA closure. No future receipts of RCRA waste for storage or treatment of dangerous or mixed waste are authorized.

#### **A4.9 221-T Pipe Gallery Storage (Closing)**

The 221-T Pipe Gallery Storage is located within the 221-T Pipe Gallery, Sections 10 and 11. The unit was installed between 1995 and 1996, and it stored waste until December 2012. This DWMU is an approximate 9 m (30 ft) long by 2 m (7 ft) wide area of the Pipe Gallery surrounded by a steel cage with a sliding gate. The walls, floor, and ceiling are concrete. This unit was used to accumulate and store dangerous wastes, as well as universal and recycle wastes. All liquid wastes were stored on a spill pallet. The 221-T Pipe Gallery Storage Unit does not currently store dangerous, mixed, or TSCA-PCB waste.

This DWMU is undergoing RCRA closure. No future receipts of RCRA waste for storage or treatment of dangerous or mixed waste are authorized.

#### **A4.10 221-T Tank System (Closing)**

The 221-T Tank System is located inside the 221-T Canyon facility. The 221-T System consists of six tanks (Tank 5-6, Tank 5-7, Tank 5-9, Tank 6-1, Tank 11-R, and Tank 15-1), the 211-T Sump, the 5-8 sump, associated piping, and ancillary equipment. The six tanks are stainless steel, closed bottom tanks of varying sizes that have been isolated from further waste addition and, therefore, are considered non-operating. The 5-8 sump is located in the 221-T Cell 5-R below Tank 5-7. The 211-T Sump is located between the 2706-T Building and the 221-T Building. The 211-T Sump has been isolated and is awaiting closure.

No liquid waste remains within the 221-T Tank System. The last addition of waste to the 221-T tank system occurred on June 3, 1999. The 221-T Tank System has been isolated from any further waste addition.

This DWMU is undergoing RCRA closure. No future receipts of RCRA waste for storage or treatment of dangerous or mixed waste are authorized.

### **A5 Treatment and Storage Capacities**

The following subsections describe the T-Plant Complex treatment and storage capacities.

#### **A5.1 T04 (Treatment-Other)**

Treatment-other within the T-Plant Complex DWMUs will consist of sorting and segregation; neutralization of corrosives, deactivation, and reaction of reactive waste; absorption and liquid treatment; macroencapsulation; microencapsulation; volume reduction; mercury amalgamation; cutting and shearing; puncture and decant aerosol cans; stabilization; debris washing; and physical extraction.

The total process design capacity for treatment-other is 354.4 metric tons per day and is shown in Table A-3 for each DWMU at the T-Plant Complex. To determine this maximum treatment capacity, calculations were performed that conservatively estimated the maximum volume of waste expected to be treated using the volume of containers expected to be managed at the T-Plant Complex in a day.

#### **A5.2 T94 (Containment Building Treatment)**

Containment building treatment activities of non-containerized dangerous and/or mixed waste include decontamination, solidification for deactivation or stabilization, debris physical extraction technologies, or debris immobilization technologies. The maximum design process design capacity for containment building treatment is 90 metric tons per day.

### A5.3 X99 (Miscellaneous Unit Treatment)

Miscellaneous unit treatment activities of non-containerized dangerous and/or mixed waste include decontamination, solidification for deactivation or stabilization, debris physical extraction technologies, or debris immobilization technologies. The maximum design process design capacity for miscellaneous unit treatment is 45.4 metric tons per day.

### A5.4 S01 (Container Storage)

The storage (S01) process design capacity is 7,573,509 L. The maximum total volume (in liters) is shown in Table A-3 within each DWMU at the T-Plant Complex. A diverse range of waste containers are managed within the T-Plant Complex DWMUs including, but not limited to, 19 L (5 gal), 114 L (30 gal), 208 L (55 gal), 322 L (85 gal), 379 L (100 gal) and 416 L (110 gal) drums; waste boxes; and transport casks of various sizes up to 50,000 L (13,210 gal). To calculate the maximum capacity of waste containers stored at the T-Plant Complex OUG, calculations were performed for conservative computation of the maximum volume of waste expected to be stored in each DWMU.

The number of containers specified for each structure was calculated based on the storage needs associated with the area and the following storage requirements and limitations:

- Assumed four containers per pallet
- Maximum of three stacked pallets
- 0.9 m (36in.) aisle space between rows of pallets/containers

### A5.5 S06 (Containment Building)

The storage (S06) process design capacity is 10,700,000 L (2,826,641 gal). The maximum total volume (in liters) is shown in Table A-3 within each DWMU at the T-Plant Complex. A diverse range of non-containerized mixed waste can be stored in the S06 containment buildings.

### A5.6 X99 (Miscellaneous Unit)

The storage (X99) process design capacity is 26,377,000 L (6,968,066 gal). The maximum total volume (in liters) is shown in Table A-3 within each DWMU at the T-Plant Complex. A diverse range of non-containerized mixed waste can be stored in the X99 containment buildings.

**Table A-3. Treatment and Storage Capacity for Each Dangerous Waste Management Unit**

Dangerous Waste Management Unit	Maximum Treatment Capacity* (Metric Tons/Day)	Maximum Total Storage Capacity Volume and Associated Waste Code (Liters)**
221-T Canyon Deck	354.4 T04 90 T94	5,108,480 S01 S06 included in 221-T Cells capacity
221-T Cells	90 T94	10,700,000 S06
221-T Railroad Tunnel	354.4 T04 90 T94	224,640 S01 S06 included in 221-T Cells capacity
221-T Head End	0	8,320 S01
221-T Operations Gallery Storage	0	114 S01

**Table A-3. Treatment and Storage Capacity for Each Dangerous Waste Management Unit**

Dangerous Waste Management Unit	Maximum Treatment Capacity* (Metric Tons/Day)	Maximum Total Storage Capacity Volume and Associated Waste Code (Liters)**
2706-T Building	54.4 X99	208,000 S01 13,186,000 X99
2706-TA Building	54.4 X99	208,000 S01 13,191,000 X99
2706-T Yard (Including HS-030 and HS-032 Storage Modules)	0	130,903 S01
214-T Building	354.4 T04	67,392 S01
211-T Cage	0	19,968 S01
2706-T Asphalt Pad	0	415,356 S01
243-T Covered Storage Pad	0	591,168 S01
221-T BY Storage Area	0	591,168 S01
T-Plant Maximum Total Storage Volume Capacities (Liters)		
Containers (S01)	7,573,509	
Containment Building (S06)	10,700,000	
Miscellaneous Unit (X99)	26,377,000	

\* The maximum treatment rate for the T-Plant Complex operating unit group is 354.4 metric tons per day for T04, 90 metric tons for T94, and 54.4 metric tons for X99. This treatment rate can be realized in any of the DWMUs having the specific treatment capability; however, the combined daily treatment rate cannot exceed the daily maximum.

\*\* In accordance with [WAC 173-303-630\(7\)\(a\)\(iii\)](#), "Dangerous Waste Regulations," "Use and Management of Containers," secondary containment must have a sufficient capacity to contain 10% of the volume of waste containing free liquids, or waste designated as F020, F021, F022, F023, F026, or F027. In buildings where secondary containment is provided, the maximum volume for the waste types listed will not exceed 10 times the corresponding secondary containment capacity.

## A6 Waste Generated

Dangerous and mixed waste is received into the T-Plant Complex from various onsite and offsite waste generators (e.g., Plutonium Finishing Plant, Pacific Northwest National Laboratory, and Perma-Fix Northwest). The waste received at the T-Plant Complex is TRUM, non-TRU, MLLW, non-MLLW, and TSCA-PCB contaminated TRUM, TRU, MLLW, and LLW.

T-Plant Complex also generates dangerous and mixed wastes from routine management and processing operations. Waste includes batteries, oils, solvents, paint waste, miscellaneous debris waste, and discarded chemicals.

## **A7 Universal Waste**

Universal waste managed at the T-Plant Complex includes batteries, mercury thermostats, and lamps under WAC 173-303-573, “Dangerous Waste Regulations,” “Standards for Universal Waste Management.”

## **A8 Corrective Actions Statement**

There are no historical or ongoing corrective actions taken at the T-Plant Complex under WAC 173-303; WAC 173-340, “Model Toxics Control Act—Cleanup;” or federal regulations.

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## Attachment B

### Section XIV – Description of Dangerous Waste

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
1	D001	40,831,030	K	S01	Container Storage
2	D002				Included with above
3	D003				Included with above
4	D004				Included with above
5	D005				Included with above
6	D006				Included with above
7	D007				Included with above
8	D008				Included with above
9	D009				Included with above
10	D010				Included with above
11	D011				Included with above
12	D012				Included with above
13	D013				Included with above
14	D014				Included with above
15	D015				Included with above
16	D016				Included with above
17	D017				Included with above
18	D018				Included with above
19	D019				Included with above
20	D020				Included with above
21	D021				Included with above
22	D022				Included with above
23	D023				Included with above
24	D024				Included with above
25	D025				Included with above
26	D026				Included with above
27	D027				Included with above
28	D028				Included with above
29	D029				Included with above
30	D030				Included with above
31	D031				Included with above
32	D032				Included with above
33	D033				Included with above
34	D034				Included with above
35	D035				Included with above
36	D036				Included with above
37	D037				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
38	D038				Included with above
39	D039				Included with above
40	D040				Included with above
41	D041				Included with above
42	D042				Included with above
43	D043				Included with above
44	WSC2				Included with above
45	WT01				Included with above
46	WT02				Included with above
47	WP01				Included with above
48	WP02				Included with above
49	WP03				Included with above
50	WPCB				Included with above
51	F001				Included with above
52	F002				Included with above
53	F003				Included with above
54	F004				Included with above
55	F005				Included with above
56	F006				Included with above
57	F007				Included with above
58	F008				Included with above
59	F009				Included with above
60	F010				Included with above
61	F011				Included with above
62	F012				Included with above
63	F019				Included with above
64	F020				Included with above
65	F021				Included with above
66	F022				Included with above
67	F023				Included with above
68	F026				Included with above
69	F027				Included with above
70	F028				Included with above
71	F039				Included with above
72	U001				Included with above
73	U002				Included with above
74	U003				Included with above
75	U004				Included with above
76	U005				Included with above
77	U006				Included with above
78	U007				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
79	U008				Included with above
80	U009				Included with above
81	U010				Included with above
82	U011				Included with above
83	U012				Included with above
84	U014				Included with above
85	U015				Included with above
86	U016				Included with above
87	U017				Included with above
88	U018				Included with above
89	U019				Included with above
90	U020				Included with above
91	U021				Included with above
92	U022				Included with above
93	U023				Included with above
94	U024				Included with above
95	U025				Included with above
96	U026				Included with above
97	U027				Included with above
98	U028				Included with above
99	U029				Included with above
100	U030				Included with above
101	U031				Included with above
102	U032				Included with above
103	U033				Included with above
104	U034				Included with above
105	U035				Included with above
106	U036				Included with above
107	U037				Included with above
108	U038				Included with above
109	U039				Included with above
110	U041				Included with above
111	U042				Included with above
112	U043				Included with above
113	U044				Included with above
114	U045				Included with above
115	U046				Included with above
116	U047				Included with above
117	U048				Included with above
118	U049				Included with above
119	U050				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
120	U051				Included with above
121	U052				Included with above
122	U053				Included with above
123	U055				Included with above
124	U056				Included with above
125	U057				Included with above
126	U058				Included with above
127	U059				Included with above
128	U060				Included with above
129	U061				Included with above
130	U062				Included with above
131	U063				Included with above
132	U064				Included with above
133	U066				Included with above
134	U067				Included with above
135	U068				Included with above
136	U069				Included with above
137	U070				Included with above
138	U071				Included with above
139	U072				Included with above
140	U073				Included with above
141	U074				Included with above
142	U075				Included with above
143	U076				Included with above
144	U077				Included with above
145	U078				Included with above
146	U079				Included with above
147	U080				Included with above
148	U081				Included with above
149	U082				Included with above
150	U083				Included with above
151	U084				Included with above
152	U085				Included with above
153	U086				Included with above
154	U087				Included with above
155	U088				Included with above
156	U089				Included with above
157	U090				Included with above
158	U091				Included with above
159	U092				Included with above
160	U093				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
161	U094				Included with above
162	U095				Included with above
163	U096				Included with above
164	U097				Included with above
165	U098				Included with above
166	U099				Included with above
167	U101				Included with above
168	U102				Included with above
169	U103				Included with above
170	U105				Included with above
171	U106				Included with above
172	U107				Included with above
173	U108				Included with above
174	U109				Included with above
175	U110				Included with above
176	U111				Included with above
177	U112				Included with above
178	U113				Included with above
179	U114				Included with above
180	U115				Included with above
181	U116				Included with above
182	U117				Included with above
183	U118				Included with above
184	U119				Included with above
185	U120				Included with above
186	U121				Included with above
187	U122				Included with above
188	U123				Included with above
189	U124				Included with above
190	U125				Included with above
191	U126				Included with above
192	U127				Included with above
193	U128				Included with above
194	U129				Included with above
195	U130				Included with above
196	U131				Included with above
197	U132				Included with above
198	U133				Included with above
199	U134				Included with above
200	U135				Included with above
201	U136				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
202	U137				Included with above
203	U138				Included with above
204	U140				Included with above
205	U141				Included with above
206	U142				Included with above
207	U143				Included with above
208	U144				Included with above
209	U145				Included with above
210	U146				Included with above
211	U147				Included with above
212	U148				Included with above
213	U149				Included with above
214	U150				Included with above
215	U151				Included with above
216	U152				Included with above
217	U153				Included with above
218	U154				Included with above
219	U155				Included with above
220	U156				Included with above
221	U157				Included with above
222	U158				Included with above
223	U159				Included with above
224	U160				Included with above
225	U161				Included with above
226	U162				Included with above
227	U163				Included with above
228	U164				Included with above
229	U165				Included with above
230	U166				Included with above
231	U167				Included with above
232	U168				Included with above
233	U169				Included with above
234	U170				Included with above
235	U171				Included with above
236	U172				Included with above
237	U173				Included with above
238	U174				Included with above
239	U176				Included with above
240	U177				Included with above
241	U178				Included with above
242	U179				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
243	U180				Included with above
244	U181				Included with above
245	U182				Included with above
246	U183				Included with above
247	U184				Included with above
248	U185				Included with above
249	U186				Included with above
250	U187				Included with above
251	U188				Included with above
252	U189				Included with above
253	U190				Included with above
254	U191				Included with above
255	U192				Included with above
256	U193				Included with above
257	U194				Included with above
258	U196				Included with above
259	U197				Included with above
260	U200				Included with above
261	U201				Included with above
262	U202				Included with above
263	U203				Included with above
264	U204				Included with above
265	U205				Included with above
266	U206				Included with above
267	U207				Included with above
268	U208				Included with above
269	U209				Included with above
270	U210				Included with above
271	U211				Included with above
272	U213				Included with above
273	U214				Included with above
274	U215				Included with above
275	U216				Included with above
276	U217				Included with above
277	U218				Included with above
278	U219				Included with above
279	U220				Included with above
280	U221				Included with above
281	U222				Included with above
282	U223				Included with above
283	U225				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
284	U226				Included with above
285	U227				Included with above
286	U228				Included with above
287	U234				Included with above
288	U235				Included with above
289	U236				Included with above
290	U237				Included with above
291	U238				Included with above
292	U239				Included with above
293	U240				Included with above
294	U243				Included with above
295	U244				Included with above
296	U246				Included with above
297	U247				Included with above
298	U248				Included with above
299	U249				Included with above
300	U271				Included with above
301	U278				Included with above
302	U279				Included with above
303	U280				Included with above
304	U328				Included with above
305	U353				Included with above
306	U359				Included with above
307	U364				Included with above
308	U367				Included with above
309	U372				Included with above
310	U373				Included with above
311	U387				Included with above
312	U389				Included with above
313	U394				Included with above
314	U395				Included with above
315	U404				Included with above
316	U409				Included with above
317	U410				Included with above
318	U411				Included with above
319	P001				Included with above
320	P002				Included with above
321	P003				Included with above
322	P004				Included with above
323	P005				Included with above
324	P006				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
325	P007				Included with above
326	P008				Included with above
327	P009				Included with above
328	P010				Included with above
329	P011				Included with above
330	P012				Included with above
331	P013				Included with above
332	P014				Included with above
333	P015				Included with above
334	P016				Included with above
335	P017				Included with above
336	P018				Included with above
337	P020				Included with above
338	P021				Included with above
339	P022				Included with above
340	P023				Included with above
341	P024				Included with above
342	P026				Included with above
343	P027				Included with above
344	P028				Included with above
345	P029				Included with above
346	P030				Included with above
347	P031				Included with above
348	P033				Included with above
349	P034				Included with above
350	P036				Included with above
351	P037				Included with above
352	P038				Included with above
353	P039				Included with above
354	P040				Included with above
355	P041				Included with above
356	P042				Included with above
357	P043				Included with above
358	P044				Included with above
359	P045				Included with above
360	P046				Included with above
361	P047				Included with above
362	P048				Included with above
363	P049				Included with above
364	P050				Included with above
365	P051				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
366	P054				Included with above
367	P056				Included with above
368	P057				Included with above
369	P058				Included with above
370	P059				Included with above
371	P060				Included with above
372	P062				Included with above
373	P063				Included with above
374	P064				Included with above
375	P065				Included with above
376	P066				Included with above
377	P067				Included with above
378	P068				Included with above
379	P069				Included with above
380	P070				Included with above
381	P071				Included with above
382	P072				Included with above
383	P073				Included with above
384	P074				Included with above
385	P075				Included with above
386	P076				Included with above
387	P077				Included with above
388	P078				Included with above
389	P081				Included with above
390	P082				Included with above
391	P084				Included with above
392	P085				Included with above
393	P087				Included with above
394	P088				Included with above
395	P089				Included with above
396	P092				Included with above
397	P093				Included with above
398	P094				Included with above
399	P095				Included with above
400	P096				Included with above
401	P097				Included with above
402	P098				Included with above
403	P099				Included with above
404	P101				Included with above
405	P102				Included with above
406	P103				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
407	P104				Included with above
408	P105				Included with above
409	P106				Included with above
410	P108				Included with above
411	P109				Included with above
412	P110				Included with above
413	P111				Included with above
414	P112				Included with above
415	P113				Included with above
416	P114				Included with above
417	P115				Included with above
418	P116				Included with above
419	P118				Included with above
420	P119				Included with above
421	P120				Included with above
422	P121				Included with above
423	P122				Included with above
424	P123				Included with above
425	P127				Included with above
426	P128				Included with above
427	P185				Included with above
428	P188				Included with above
429	P189				Included with above
430	P190				Included with above
431	P191				Included with above
432	P192				Included with above
433	P194				Included with above
434	P196				Included with above
435	P197				Included with above
436	P198				Included with above
437	P199				Included with above
438	P201				Included with above
439	P202				Included with above
440	P203				Included with above
441	P204				Included with above
442	P205				Included with above
443	D001	30,000	M	T04	Other Treatment
444	D002				Included with above
445	D003				Included with above
446	D004				Included with above
447	D005				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
448	D006				Included with above
449	D007				Included with above
450	D008				Included with above
451	D009				Included with above
452	D010				Included with above
453	D011				Included with above
454	D012				Included with above
455	D013				Included with above
456	D014				Included with above
457	D015				Included with above
458	D016				Included with above
459	D017				Included with above
460	D018				Included with above
461	D019				Included with above
462	D020				Included with above
463	D021				Included with above
464	D022				Included with above
465	D023				Included with above
466	D024				Included with above
467	D025				Included with above
468	D026				Included with above
469	D027				Included with above
470	D028				Included with above
471	D029				Included with above
472	D030				Included with above
473	D031				Included with above
474	D032				Included with above
475	D033				Included with above
476	D034				Included with above
477	D035				Included with above
478	D036				Included with above
479	D037				Included with above
480	D038				Included with above
481	D039				Included with above
482	D040				Included with above
483	D041				Included with above
484	D042				Included with above
485	D043				Included with above
486	WSC2				Included with above
487	WT01				Included with above
488	WT02				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
489	WP01				Included with above
490	WP02				Included with above
491	WP03				Included with above
492	WPCB				Included with above
493	F001				Included with above
494	F002				Included with above
495	F003				Included with above
496	F004				Included with above
497	F005				Included with above
498	F006				Included with above
499	F007				Included with above
500	F008				Included with above
501	F009				Included with above
502	F010				Included with above
503	F011				Included with above
504	F012				Included with above
505	F019				Included with above
506	F020				Included with above
507	F021				Included with above
508	F022				Included with above
509	F023				Included with above
510	F026				Included with above
511	F027				Included with above
512	F028				Included with above
513	F039				Included with above
514	U001				Included with above
515	U002				Included with above
516	U003				Included with above
517	U004				Included with above
518	U005				Included with above
519	U006				Included with above
520	U007				Included with above
521	U008				Included with above
522	U009				Included with above
523	U010				Included with above
524	U011				Included with above
525	U012				Included with above
526	U014				Included with above
527	U015				Included with above
528	U016				Included with above
529	U017				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
530	U018				Included with above
531	U019				Included with above
532	U020				Included with above
533	U021				Included with above
534	U022				Included with above
535	U023				Included with above
536	U024				Included with above
537	U025				Included with above
538	U026				Included with above
539	U027				Included with above
540	U028				Included with above
541	U029				Included with above
542	U030				Included with above
543	U031				Included with above
544	U032				Included with above
545	U033				Included with above
546	U034				Included with above
547	U035				Included with above
548	U036				Included with above
549	U037				Included with above
550	U038				Included with above
551	U039				Included with above
552	U041				Included with above
553	U042				Included with above
554	U043				Included with above
555	U044				Included with above
556	U045				Included with above
557	U046				Included with above
558	U047				Included with above
559	U048				Included with above
560	U049				Included with above
561	U050				Included with above
562	U051				Included with above
563	U052				Included with above
564	U053				Included with above
565	U055				Included with above
566	U056				Included with above
567	U057				Included with above
568	U058				Included with above
569	U059				Included with above
570	U060				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
571	U061				Included with above
572	U062				Included with above
573	U063				Included with above
574	U064				Included with above
575	U066				Included with above
576	U067				Included with above
577	U068				Included with above
578	U069				Included with above
579	U070				Included with above
580	U071				Included with above
581	U072				Included with above
582	U073				Included with above
583	U074				Included with above
584	U075				Included with above
585	U076				Included with above
586	U077				Included with above
587	U078				Included with above
588	U079				Included with above
589	U080				Included with above
590	U081				Included with above
591	U082				Included with above
592	U083				Included with above
593	U084				Included with above
594	U085				Included with above
595	U086				Included with above
596	U087				Included with above
597	U088				Included with above
598	U089				Included with above
599	U090				Included with above
600	U091				Included with above
601	U092				Included with above
602	U093				Included with above
603	U094				Included with above
604	U095				Included with above
605	U096				Included with above
606	U097				Included with above
607	U098				Included with above
608	U099				Included with above
609	U101				Included with above
610	U102				Included with above
611	U103				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
612	U105				Included with above
613	U106				Included with above
614	U107				Included with above
615	U108				Included with above
616	U109				Included with above
617	U110				Included with above
618	U111				Included with above
619	U112				Included with above
620	U113				Included with above
621	U114				Included with above
622	U115				Included with above
623	U116				Included with above
624	U117				Included with above
625	U118				Included with above
626	U119				Included with above
627	U120				Included with above
628	U121				Included with above
629	U122				Included with above
630	U123				Included with above
631	U124				Included with above
632	U125				Included with above
633	U126				Included with above
634	U127				Included with above
635	U128				Included with above
636	U129				Included with above
637	U130				Included with above
638	U131				Included with above
639	U132				Included with above
640	U133				Included with above
641	U134				Included with above
642	U135				Included with above
643	U136				Included with above
644	U137				Included with above
645	U138				Included with above
646	U140				Included with above
647	U141				Included with above
648	U142				Included with above
649	U143				Included with above
650	U144				Included with above
651	U145				Included with above
652	U146				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
653	U147				Included with above
654	U148				Included with above
655	U149				Included with above
656	U150				Included with above
657	U151				Included with above
658	U152				Included with above
659	U153				Included with above
660	U154				Included with above
661	U155				Included with above
662	U156				Included with above
663	U157				Included with above
664	U158				Included with above
665	U159				Included with above
666	U160				Included with above
667	U161				Included with above
668	U162				Included with above
669	U163				Included with above
670	U164				Included with above
671	U165				Included with above
672	U166				Included with above
673	U167				Included with above
674	U168				Included with above
675	U169				Included with above
676	U170				Included with above
677	U171				Included with above
678	U172				Included with above
679	U173				Included with above
680	U174				Included with above
681	U176				Included with above
682	U177				Included with above
683	U178				Included with above
684	U179				Included with above
685	U180				Included with above
686	U181				Included with above
687	U182				Included with above
688	U183				Included with above
689	U184				Included with above
690	U185				Included with above
691	U186				Included with above
692	U187				Included with above
693	U188				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
694	U189				Included with above
695	U190				Included with above
696	U191				Included with above
697	U192				Included with above
698	U193				Included with above
699	U194				Included with above
700	U196				Included with above
701	U197				Included with above
702	U200				Included with above
703	U201				Included with above
704	U202				Included with above
705	U203				Included with above
706	U204				Included with above
707	U205				Included with above
708	U206				Included with above
709	U207				Included with above
710	U208				Included with above
711	U209				Included with above
712	U210				Included with above
713	U211				Included with above
714	U213				Included with above
715	U214				Included with above
716	U215				Included with above
717	U216				Included with above
718	U217				Included with above
719	U218				Included with above
720	U219				Included with above
721	U220				Included with above
722	U221				Included with above
723	U222				Included with above
724	U223				Included with above
725	U225				Included with above
726	U226				Included with above
727	U227				Included with above
728	U228				Included with above
729	U234				Included with above
730	U235				Included with above
731	U236				Included with above
732	U237				Included with above
733	U238				Included with above
734	U239				Included with above

Part A  
October 24, 2013

WA 7890008967, Part III Operating Unit Group 9  
T Plant Complex

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
735	U240				Included with above
736	U243				Included with above
737	U244				Included with above
738	U246				Included with above
739	U247				Included with above
740	U248				Included with above
741	U249				Included with above
742	U271				Included with above
743	U278				Included with above
744	U279				Included with above
745	U280				Included with above
746	U328				Included with above
747	U353				Included with above
748	U359				Included with above
749	U364				Included with above
750	U367				Included with above
751	U372				Included with above
752	U373				Included with above
753	U387				Included with above
754	U389				Included with above
755	U394				Included with above
756	U395				Included with above
757	U404				Included with above
758	U409				Included with above
759	U410				Included with above
760	U411				Included with above
761	P001				Included with above
762	P002				Included with above
763	P003				Included with above
764	P004				Included with above
765	P005				Included with above
766	P006				Included with above
767	P007				Included with above
768	P008				Included with above
769	P009				Included with above
770	P010				Included with above
771	P011				Included with above
772	P012				Included with above
773	P013				Included with above
774	P014				Included with above
775	P015				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
776	P016				Included with above
777	P017				Included with above
778	P018				Included with above
779	P020				Included with above
780	P021				Included with above
781	P022				Included with above
782	P023				Included with above
783	P024				Included with above
784	P026				Included with above
785	P027				Included with above
786	P028				Included with above
787	P029				Included with above
788	P030				Included with above
789	P031				Included with above
790	P033				Included with above
791	P034				Included with above
792	P036				Included with above
793	P037				Included with above
794	P038				Included with above
795	P039				Included with above
796	P040				Included with above
797	P041				Included with above
798	P042				Included with above
799	P043				Included with above
800	P044				Included with above
801	P045				Included with above
802	P046				Included with above
803	P047				Included with above
804	P048				Included with above
805	P049				Included with above
806	P050				Included with above
807	P051				Included with above
808	P054				Included with above
809	P056				Included with above
810	P057				Included with above
811	P058				Included with above
812	P059				Included with above
813	P060				Included with above
814	P062				Included with above
815	P063				Included with above
816	P064				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
817	P065				Included with above
818	P066				Included with above
819	P067				Included with above
820	P068				Included with above
821	P069				Included with above
822	P070				Included with above
823	P071				Included with above
824	P072				Included with above
825	P073				Included with above
826	P074				Included with above
827	P075				Included with above
828	P076				Included with above
829	P077				Included with above
830	P078				Included with above
831	P081				Included with above
832	P082				Included with above
833	P084				Included with above
834	P085				Included with above
835	P087				Included with above
836	P088				Included with above
837	P089				Included with above
838	P092				Included with above
839	P093				Included with above
840	P094				Included with above
841	P095				Included with above
842	P096				Included with above
843	P097				Included with above
844	P098				Included with above
845	P099				Included with above
846	P101				Included with above
847	P102				Included with above
848	P103				Included with above
849	P104				Included with above
850	P105				Included with above
851	P106				Included with above
852	P108				Included with above
853	P109				Included with above
854	P110				Included with above
855	P111				Included with above
856	P112				Included with above
857	P113				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
858	P114				Included with above
859	P115				Included with above
860	P116				Included with above
861	P118				Included with above
862	P119				Included with above
863	P120				Included with above
864	P121				Included with above
865	P122				Included with above
866	P123				Included with above
867	P127				Included with above
868	P128				Included with above
869	P185				Included with above
870	P188				Included with above
871	P189				Included with above
872	P190				Included with above
873	P191				Included with above
874	P192				Included with above
875	P194				Included with above
876	P196				Included with above
877	P197				Included with above
878	P198				Included with above
879	P199				Included with above
880	P201				Included with above
881	P202				Included with above
882	P203				Included with above
883	P204				Included with above
884	P205				Included with above
885	D001	11,350	M	X99	Other Subpart X (Storage and Treatment)
886	D002				Included with above
887	D003				Included with above
888	D004				Included with above
889	D005				Included with above
890	D006				Included with above
891	D007				Included with above
892	D008				Included with above
893	D009				Included with above
894	D010				Included with above
895	D011				Included with above
896	D012				Included with above
897	D013				Included with above

Part A  
October 24, 2013

WA 7890008967, Part III Operating Unit Group 9  
T Plant Complex

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
898	D014				Included with above
899	D015				Included with above
900	D016				Included with above
901	D017				Included with above
902	D018				Included with above
903	D019				Included with above
904	D020				Included with above
905	D021				Included with above
906	D022				Included with above
907	D023				Included with above
908	D024				Included with above
909	D025				Included with above
910	D026				Included with above
911	D027				Included with above
912	D028				Included with above
913	D029				Included with above
914	D030				Included with above
915	D031				Included with above
916	D032				Included with above
917	D033				Included with above
918	D034				Included with above
919	D035				Included with above
920	D036				Included with above
921	D037				Included with above
922	D038				Included with above
923	D039				Included with above
924	D040				Included with above
925	D041				Included with above
926	D042				Included with above
927	D043				Included with above
928	WSC2				Included with above
929	WT01				Included with above
930	WT02				Included with above
931	WP01				Included with above
932	WP02				Included with above
933	WP03				Included with above
934	WPCB				Included with above
935	F001				Included with above
936	F002				Included with above
937	F003				Included with above
938	F004				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
939	F005				Included with above
940	F006				Included with above
941	F007				Included with above
942	F008				Included with above
943	F009				Included with above
944	F010				Included with above
945	F011				Included with above
946	F012				Included with above
947	F019				Included with above
948	F020				Included with above
949	F021				Included with above
950	F022				Included with above
951	F023				Included with above
952	F026				Included with above
953	F027				Included with above
954	F028				Included with above
955	F039				Included with above
956	U001				Included with above
957	U002				Included with above
958	U003				Included with above
959	U004				Included with above
960	U005				Included with above
961	U006				Included with above
962	U007				Included with above
963	U008				Included with above
964	U009				Included with above
965	U010				Included with above
966	U011				Included with above
967	U012				Included with above
968	U014				Included with above
969	U015				Included with above
970	U016				Included with above
971	U017				Included with above
972	U018				Included with above
973	U019				Included with above
974	U020				Included with above
975	U021				Included with above
976	U022				Included with above
977	U023				Included with above
978	U024				Included with above
979	U025				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
980	U026				Included with above
981	U027				Included with above
982	U028				Included with above
983	U029				Included with above
984	U030				Included with above
985	U031				Included with above
986	U032				Included with above
987	U033				Included with above
988	U034				Included with above
989	U035				Included with above
990	U036				Included with above
991	U037				Included with above
992	U038				Included with above
993	U039				Included with above
994	U041				Included with above
995	U042				Included with above
996	U043				Included with above
997	U044				Included with above
998	U045				Included with above
999	U046				Included with above
1000	U047				Included with above
1001	U048				Included with above
1002	U049				Included with above
1003	U050				Included with above
1004	U051				Included with above
1005	U052				Included with above
1006	U053				Included with above
1007	U055				Included with above
1008	U056				Included with above
1009	U057				Included with above
1010	U058				Included with above
1011	U059				Included with above
1012	U060				Included with above
1013	U061				Included with above
1014	U062				Included with above
1015	U063				Included with above
1016	U064				Included with above
1017	U066				Included with above
1018	U067				Included with above
1019	U068				Included with above
1020	U069				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
1021	U070				Included with above
1022	U071				Included with above
1023	U072				Included with above
1024	U073				Included with above
1025	U074				Included with above
1026	U075				Included with above
1027	U076				Included with above
1028	U077				Included with above
1029	U078				Included with above
1030	U079				Included with above
1031	U080				Included with above
1032	U081				Included with above
1033	U082				Included with above
1034	U083				Included with above
1035	U084				Included with above
1036	U085				Included with above
1037	U086				Included with above
1038	U087				Included with above
1039	U088				Included with above
1040	U089				Included with above
1041	U090				Included with above
1042	U091				Included with above
1043	U092				Included with above
1044	U093				Included with above
1045	U094				Included with above
1046	U095				Included with above
1047	U096				Included with above
1048	U097				Included with above
1049	U098				Included with above
1050	U099				Included with above
1051	U101				Included with above
1052	U102				Included with above
1053	U103				Included with above
1054	U105				Included with above
1055	U106				Included with above
1056	U107				Included with above
1057	U108				Included with above
1058	U109				Included with above
1059	U110				Included with above
1060	U111				Included with above
1061	U112				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
1062	U113				Included with above
1063	U114				Included with above
1064	U115				Included with above
1065	U116				Included with above
1066	U117				Included with above
1067	U118				Included with above
1068	U119				Included with above
1069	U120				Included with above
1070	U121				Included with above
1071	U122				Included with above
1072	U123				Included with above
1073	U124				Included with above
1074	U125				Included with above
1075	U126				Included with above
1076	U127				Included with above
1077	U128				Included with above
1078	U129				Included with above
1079	U130				Included with above
1080	U131				Included with above
1081	U132				Included with above
1082	U133				Included with above
1083	U134				Included with above
1084	U135				Included with above
1085	U136				Included with above
1086	U137				Included with above
1087	U138				Included with above
1088	U140				Included with above
1089	U141				Included with above
1090	U142				Included with above
1091	U143				Included with above
1092	U144				Included with above
1093	U145				Included with above
1094	U146				Included with above
1095	U147				Included with above
1096	U148				Included with above
1097	U149				Included with above
1098	U150				Included with above
1099	U151				Included with above
1100	U152				Included with above
1101	U153				Included with above
1102	U154				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
1103	U155				Included with above
1104	U156				Included with above
1105	U157				Included with above
1106	U158				Included with above
1107	U159				Included with above
1108	U160				Included with above
1109	U161				Included with above
1110	U162				Included with above
1111	U163				Included with above
1112	U164				Included with above
1113	U165				Included with above
1114	U166				Included with above
1115	U167				Included with above
1116	U168				Included with above
1117	U169				Included with above
1118	U170				Included with above
1119	U171				Included with above
1120	U172				Included with above
1121	U173				Included with above
1122	U174				Included with above
1123	U176				Included with above
1124	U177				Included with above
1125	U178				Included with above
1126	U179				Included with above
1127	U180				Included with above
1128	U181				Included with above
1129	U182				Included with above
1130	U183				Included with above
1131	U184				Included with above
1132	U185				Included with above
1133	U186				Included with above
1134	U187				Included with above
1135	U188				Included with above
1136	U189				Included with above
1137	U190				Included with above
1138	U191				Included with above
1139	U192				Included with above
1140	U193				Included with above
1141	U194				Included with above
1142	U196				Included with above
1143	U197				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
1144	U200				Included with above
1145	U201				Included with above
1146	U202				Included with above
1147	U203				Included with above
1148	U204				Included with above
1149	U205				Included with above
1150	U206				Included with above
1151	U207				Included with above
1152	U208				Included with above
1153	U209				Included with above
1154	U210				Included with above
1155	U211				Included with above
1156	U213				Included with above
1157	U214				Included with above
1158	U215				Included with above
1159	U216				Included with above
1160	U217				Included with above
1161	U218				Included with above
1162	U219				Included with above
1163	U220				Included with above
1164	U221				Included with above
1165	U222				Included with above
1166	U223				Included with above
1167	U225				Included with above
1168	U226				Included with above
1169	U227				Included with above
1170	U228				Included with above
1171	U234				Included with above
1172	U235				Included with above
1173	U236				Included with above
1174	U237				Included with above
1175	U238				Included with above
1176	U239				Included with above
1177	U240				Included with above
1178	U243				Included with above
1179	U244				Included with above
1180	U246				Included with above
1181	U247				Included with above
1182	U248				Included with above
1183	U249				Included with above
1184	U271				Included with above

Part A  
October 24, 2013

WA 7890008967, Part III Operating Unit Group 9  
T Plant Complex

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
1185	U278				Included with above
1186	U279				Included with above
1187	U280				Included with above
1188	U328				Included with above
1189	U353				Included with above
1190	U359				Included with above
1191	U364				Included with above
1192	U367				Included with above
1193	U372				Included with above
1194	U373				Included with above
1195	U387				Included with above
1196	U389				Included with above
1197	U394				Included with above
1198	U395				Included with above
1199	U404				Included with above
1200	U409				Included with above
1201	U410				Included with above
1202	U411				Included with above
1203	P001				Included with above
1204	P002				Included with above
1205	P003				Included with above
1206	P004				Included with above
1207	P005				Included with above
1208	P006				Included with above
1209	P007				Included with above
1210	P008				Included with above
1211	P009				Included with above
1212	P010				Included with above
1213	P011				Included with above
1214	P012				Included with above
1215	P013				Included with above
1216	P014				Included with above
1217	P015				Included with above
1218	P016				Included with above
1219	P017				Included with above
1220	P018				Included with above
1221	P020				Included with above
1222	P021				Included with above
1223	P022				Included with above
1224	P023				Included with above
1225	P024				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
1226	P026				Included with above
1227	P027				Included with above
1228	P028				Included with above
1229	P029				Included with above
1230	P030				Included with above
1231	P031				Included with above
1232	P033				Included with above
1233	P034				Included with above
1234	P036				Included with above
1235	P037				Included with above
1236	P038				Included with above
1237	P039				Included with above
1238	P040				Included with above
1239	P041				Included with above
1240	P042				Included with above
1241	P043				Included with above
1242	P044				Included with above
1243	P045				Included with above
1244	P046				Included with above
1245	P047				Included with above
1246	P048				Included with above
1247	P049				Included with above
1248	P050				Included with above
1249	P051				Included with above
1250	P054				Included with above
1251	P056				Included with above
1252	P057				Included with above
1253	P058				Included with above
1254	P059				Included with above
1255	P060				Included with above
1256	P062				Included with above
1257	P063				Included with above
1258	P064				Included with above
1259	P065				Included with above
1260	P066				Included with above
1261	P067				Included with above
1262	P068				Included with above
1263	P069				Included with above
1264	P070				Included with above
1265	P071				Included with above
1266	P072				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
1267	P073				Included with above
1268	P074				Included with above
1269	P075				Included with above
1270	P076				Included with above
1271	P077				Included with above
1272	P078				Included with above
1273	P081				Included with above
1274	P082				Included with above
1275	P084				Included with above
1276	P085				Included with above
1277	P087				Included with above
1278	P088				Included with above
1279	P089				Included with above
1280	P092				Included with above
1281	P093				Included with above
1282	P094				Included with above
1283	P095				Included with above
1284	P096				Included with above
1285	P097				Included with above
1286	P098				Included with above
1287	P099				Included with above
1288	P101				Included with above
1289	P102				Included with above
1290	P103				Included with above
1291	P104				Included with above
1292	P105				Included with above
1293	P106				Included with above
1294	P108				Included with above
1295	P109				Included with above
1296	P110				Included with above
1297	P111				Included with above
1298	P112				Included with above
1299	P113				Included with above
1300	P114				Included with above
1301	P115				Included with above
1302	P116				Included with above
1303	P118				Included with above
1304	P119				Included with above
1305	P120				Included with above
1306	P121				Included with above
1307	P122				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
1308	P123				Included with above
1309	P127				Included with above
1310	P128				Included with above
1311	P185				Included with above
1312	P188				Included with above
1313	P189				Included with above
1314	P190				Included with above
1315	P191				Included with above
1316	P192				Included with above
1317	P194				Included with above
1318	P196				Included with above
1319	P197				Included with above
1320	P198				Included with above
1321	P199				Included with above
1322	P201				Included with above
1323	P202				Included with above
1324	P203				Included with above
1325	P204				Included with above
1326	P205				Included with above
1327	D001	22,700	M	T94	Containment Building (Storage and Treatment)
1328	D002				Included with above
1329	D003				Included with above
1330	D004				Included with above
1331	D005				Included with above
1332	D006				Included with above
1333	D007				Included with above
1334	D008				Included with above
1335	D009				Included with above
1336	D010				Included with above
1337	D011				Included with above
1338	D012				Included with above
1339	D013				Included with above
1340	D014				Included with above
1341	D015				Included with above
1342	D016				Included with above
1343	D017				Included with above
1344	D018				Included with above
1345	D019				Included with above
1346	D020				Included with above
1347	D021				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
1348	D022				Included with above
1349	D023				Included with above
1350	D024				Included with above
1351	D025				Included with above
1352	D026				Included with above
1353	D027				Included with above
1354	D028				Included with above
1355	D029				Included with above
1356	D030				Included with above
1357	D031				Included with above
1358	D032				Included with above
1359	D033				Included with above
1360	D034				Included with above
1361	D035				Included with above
1362	D036				Included with above
1363	D037				Included with above
1364	D038				Included with above
1365	D039				Included with above
1366	D040				Included with above
1367	D041				Included with above
1368	D042				Included with above
1369	D043				Included with above
1370	WSC2				Included with above
1371	WT01				Included with above
1372	WT02				Included with above
1373	WP01				Included with above
1374	WP02				Included with above
1375	WP03				Included with above
1376	WPCB				Included with above
1377	F001				Included with above
1378	F002				Included with above
1379	F003				Included with above
1380	F004				Included with above
1381	F005				Included with above
1382	F006				Included with above
1383	F007				Included with above
1384	F008				Included with above
1385	F009				Included with above
1386	F010				Included with above
1387	F011				Included with above
1388	F012				Included with above

Part A  
October 24, 2013

WA 7890008967, Part III Operating Unit Group 9  
T Plant Complex

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
1389	F019				Included with above
1390	F020				Included with above
1391	F021				Included with above
1392	F022				Included with above
1393	F023				Included with above
1394	F026				Included with above
1395	F027				Included with above
1396	F028				Included with above
1397	F039				Included with above
1398	U001				Included with above
1399	U002				Included with above
1400	U003				Included with above
1401	U004				Included with above
1402	U005				Included with above
1403	U006				Included with above
1404	U007				Included with above
1405	U008				Included with above
1406	U009				Included with above
1407	U010				Included with above
1408	U011				Included with above
1409	U012				Included with above
1410	U014				Included with above
1411	U015				Included with above
1412	U016				Included with above
1413	U017				Included with above
1414	U018				Included with above
1415	U019				Included with above
1416	U020				Included with above
1417	U021				Included with above
1418	U022				Included with above
1419	U023				Included with above
1420	U024				Included with above
1421	U025				Included with above
1422	U026				Included with above
1423	U027				Included with above
1424	U028				Included with above
1425	U029				Included with above
1426	U030				Included with above
1427	U031				Included with above
1428	U032				Included with above
1429	U033				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
1430	U034				Included with above
1431	U035				Included with above
1432	U036				Included with above
1433	U037				Included with above
1434	U038				Included with above
1435	U039				Included with above
1436	U041				Included with above
1437	U042				Included with above
1438	U043				Included with above
1439	U044				Included with above
1440	U045				Included with above
1441	U046				Included with above
1442	U047				Included with above
1443	U048				Included with above
1444	U049				Included with above
1445	U050				Included with above
1446	U051				Included with above
1447	U052				Included with above
1448	U053				Included with above
1449	U055				Included with above
1450	U056				Included with above
1451	U057				Included with above
1452	U058				Included with above
1453	U059				Included with above
1454	U060				Included with above
1455	U061				Included with above
1456	U062				Included with above
1457	U063				Included with above
1458	U064				Included with above
1459	U066				Included with above
1460	U067				Included with above
1461	U068				Included with above
1462	U069				Included with above
1463	U070				Included with above
1464	U071				Included with above
1465	U072				Included with above
1466	U073				Included with above
1467	U074				Included with above
1468	U075				Included with above
1469	U076				Included with above
1470	U077				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
1471	U078				Included with above
1472	U079				Included with above
1473	U080				Included with above
1474	U081				Included with above
1475	U082				Included with above
1476	U083				Included with above
1477	U084				Included with above
1478	U085				Included with above
1479	U086				Included with above
1480	U087				Included with above
1481	U088				Included with above
1482	U089				Included with above
1483	U090				Included with above
1484	U091				Included with above
1485	U092				Included with above
1486	U093				Included with above
1487	U094				Included with above
1488	U095				Included with above
1489	U096				Included with above
1490	U097				Included with above
1491	U098				Included with above
1492	U099				Included with above
1493	U101				Included with above
1494	U102				Included with above
1495	U103				Included with above
1496	U105				Included with above
1497	U106				Included with above
1498	U107				Included with above
1499	U108				Included with above
1500	U109				Included with above
1501	U110				Included with above
1502	U111				Included with above
1503	U112				Included with above
1504	U113				Included with above
1505	U114				Included with above
1506	U115				Included with above
1507	U116				Included with above
1508	U117				Included with above
1509	U118				Included with above
1510	U119				Included with above
1511	U120				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
1512	U121				Included with above
1513	U122				Included with above
1514	U123				Included with above
1515	U124				Included with above
1516	U125				Included with above
1517	U126				Included with above
1518	U127				Included with above
1519	U128				Included with above
1520	U129				Included with above
1521	U130				Included with above
1522	U131				Included with above
1523	U132				Included with above
1524	U133				Included with above
1525	U134				Included with above
1526	U135				Included with above
1527	U136				Included with above
1528	U137				Included with above
1529	U138				Included with above
1530	U140				Included with above
1531	U141				Included with above
1532	U142				Included with above
1533	U143				Included with above
1534	U144				Included with above
1535	U145				Included with above
1536	U146				Included with above
1537	U147				Included with above
1538	U148				Included with above
1539	U149				Included with above
1540	U150				Included with above
1541	U151				Included with above
1542	U152				Included with above
1543	U153				Included with above
1544	U154				Included with above
1545	U155				Included with above
1546	U156				Included with above
1547	U157				Included with above
1548	U158				Included with above
1549	U159				Included with above
1550	U160				Included with above
1551	U161				Included with above
1552	U162				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
1553	U163				Included with above
1554	U164				Included with above
1555	U165				Included with above
1556	U166				Included with above
1557	U167				Included with above
1558	U168				Included with above
1559	U169				Included with above
1560	U170				Included with above
1561	U171				Included with above
1562	U172				Included with above
1563	U173				Included with above
1564	U174				Included with above
1565	U176				Included with above
1566	U177				Included with above
1567	U178				Included with above
1568	U179				Included with above
1569	U180				Included with above
1570	U181				Included with above
1571	U182				Included with above
1572	U183				Included with above
1573	U184				Included with above
1574	U185				Included with above
1575	U186				Included with above
1576	U187				Included with above
1577	U188				Included with above
1578	U189				Included with above
1579	U190				Included with above
1580	U191				Included with above
1581	U192				Included with above
1582	U193				Included with above
1583	U194				Included with above
1584	U196				Included with above
1585	U197				Included with above
1586	U200				Included with above
1587	U201				Included with above
1588	U202				Included with above
1589	U203				Included with above
1590	U204				Included with above
1591	U205				Included with above
1592	U206				Included with above
1593	U207				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
1594	U208				Included with above
1595	U209				Included with above
1596	U210				Included with above
1597	U211				Included with above
1598	U213				Included with above
1599	U214				Included with above
1600	U215				Included with above
1601	U216				Included with above
1602	U217				Included with above
1603	U218				Included with above
1604	U219				Included with above
1605	U220				Included with above
1606	U221				Included with above
1607	U222				Included with above
1608	U223				Included with above
1609	U225				Included with above
1610	U226				Included with above
1611	U227				Included with above
1612	U228				Included with above
1613	U234				Included with above
1614	U235				Included with above
1615	U236				Included with above
1616	U237				Included with above
1617	U238				Included with above
1618	U239				Included with above
1619	U240				Included with above
1620	U243				Included with above
1621	U244				Included with above
1622	U246				Included with above
1623	U247				Included with above
1624	U248				Included with above
1625	U249				Included with above
1626	U271				Included with above
1627	U278				Included with above
1628	U279				Included with above
1629	U280				Included with above
1630	U328				Included with above
1631	U353				Included with above
1632	U359				Included with above
1633	U364				Included with above
1634	U367				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
1635	U372				Included with above
1636	U373				Included with above
1637	U387				Included with above
1638	U389				Included with above
1639	U394				Included with above
1640	U395				Included with above
1641	U404				Included with above
1642	U409				Included with above
1643	U410				Included with above
1644	U411				Included with above
1645	P001				Included with above
1646	P002				Included with above
1647	P003				Included with above
1648	P004				Included with above
1649	P005				Included with above
1650	P006				Included with above
1651	P007				Included with above
1652	P008				Included with above
1653	P009				Included with above
1654	P010				Included with above
1655	P011				Included with above
1656	P012				Included with above
1657	P013				Included with above
1658	P014				Included with above
1659	P015				Included with above
1660	P016				Included with above
1661	P017				Included with above
1662	P018				Included with above
1663	P020				Included with above
1664	P021				Included with above
1665	P022				Included with above
1666	P023				Included with above
1667	P024				Included with above
1668	P026				Included with above
1669	P027				Included with above
1670	P028				Included with above
1671	P029				Included with above
1672	P030				Included with above
1673	P031				Included with above
1674	P033				Included with above
1675	P034				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
1676	P036				Included with above
1677	P037				Included with above
1678	P038				Included with above
1679	P039				Included with above
1680	P040				Included with above
1681	P041				Included with above
1682	P042				Included with above
1683	P043				Included with above
1684	P044				Included with above
1685	P045				Included with above
1686	P046				Included with above
1687	P047				Included with above
1688	P048				Included with above
1689	P049				Included with above
1690	P050				Included with above
1691	P051				Included with above
1692	P054				Included with above
1693	P056				Included with above
1694	P057				Included with above
1695	P058				Included with above
1696	P059				Included with above
1697	P060				Included with above
1698	P062				Included with above
1699	P063				Included with above
1700	P064				Included with above
1701	P065				Included with above
1702	P066				Included with above
1703	P067				Included with above
1704	P068				Included with above
1705	P069				Included with above
1706	P070				Included with above
1707	P071				Included with above
1708	P072				Included with above
1709	P073				Included with above
1710	P074				Included with above
1711	P075				Included with above
1712	P076				Included with above
1713	P077				Included with above
1714	P078				Included with above
1715	P081				Included with above
1716	P082				Included with above

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
1717	P084				Included with above
1718	P085				Included with above
1719	P087				Included with above
1720	P088				Included with above
1721	P089				Included with above
1722	P092				Included with above
1723	P093				Included with above
1724	P094				Included with above
1725	P095				Included with above
1726	P096				Included with above
1727	P097				Included with above
1728	P098				Included with above
1729	P099				Included with above
1730	P101				Included with above
1731	P102				Included with above
1732	P103				Included with above
1733	P104				Included with above
1734	P105				Included with above
1735	P106				Included with above
1736	P108				Included with above
1737	P109				Included with above
1738	P110				Included with above
1739	P111				Included with above
1740	P112				Included with above
1741	P113				Included with above
1742	P114				Included with above
1743	P115				Included with above
1744	P116				Included with above
1745	P118				Included with above
1746	P119				Included with above
1747	P120				Included with above
1748	P121				Included with above
1749	P122				Included with above
1750	P123				Included with above
1751	P127				Included with above
1752	P128				Included with above
1753	P185				Included with above
1754	P188				Included with above
1755	P189				Included with above
1756	P190				Included with above
1757	P191				Included with above

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WA 7890008967, Part III Operating Unit Group 9  
T Plant Complex

EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
1758	P192				Included with above
1759	P194				Included with above
1760	P196				Included with above
1761	P197				Included with above
1762	P198				Included with above
1763	P199				Included with above
1764	P201				Included with above
1765	P202				Included with above
1766	P203				Included with above
1767	P204				Included with above
1768	P205				Included with above

PART A  
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WA 7890008967, PART III OPERATING UNIT GROUP 9  
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## **Attachment C**

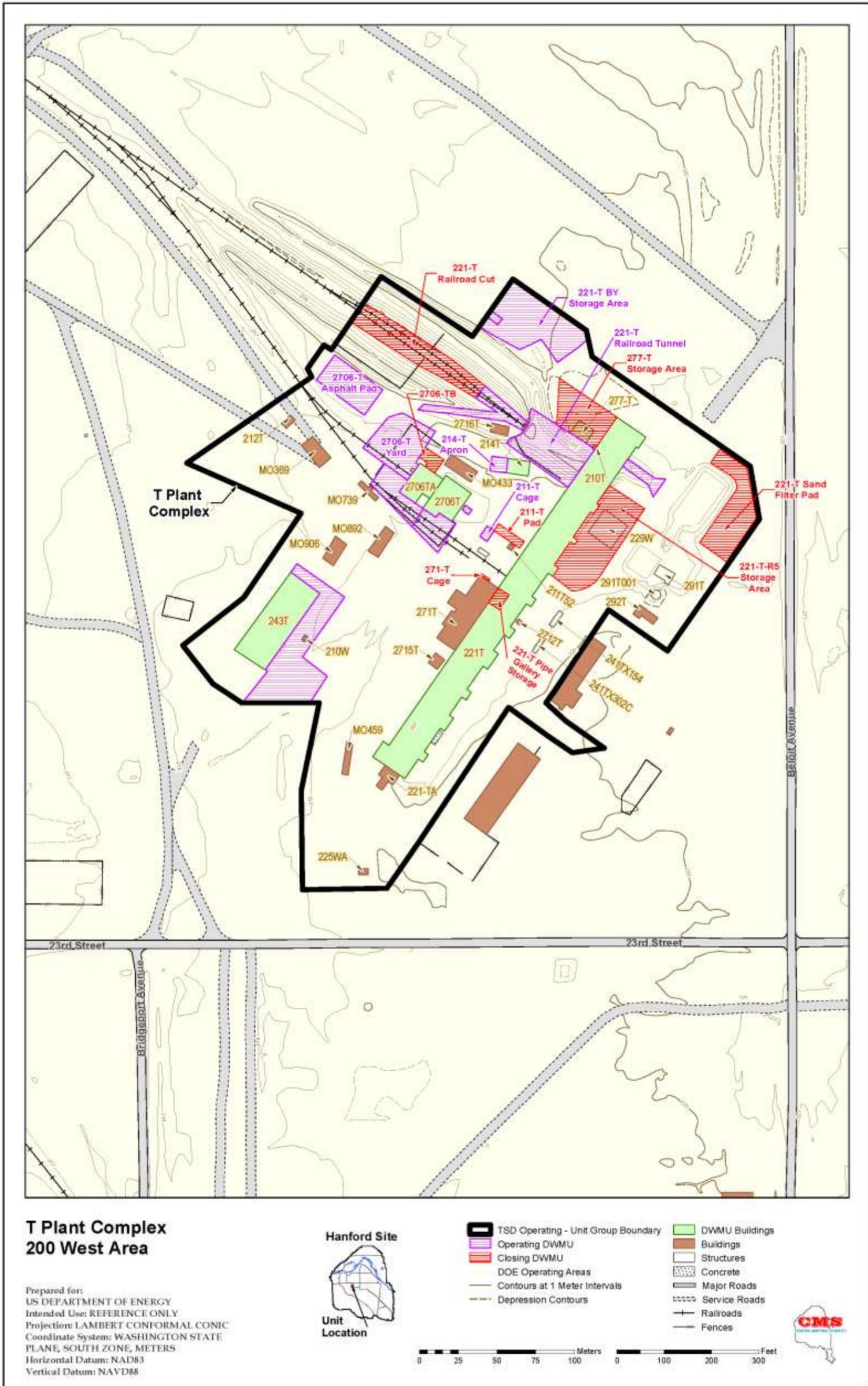
### **Section XVII – Photographs**

PART A  
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130812\_TPlant\_TSD\_Closed\_Operating\_Unit\_Topo\_11x17\_Rev3

Figure 2. Topographic Map of the T-Plant Complex Operating and Closing Units Only



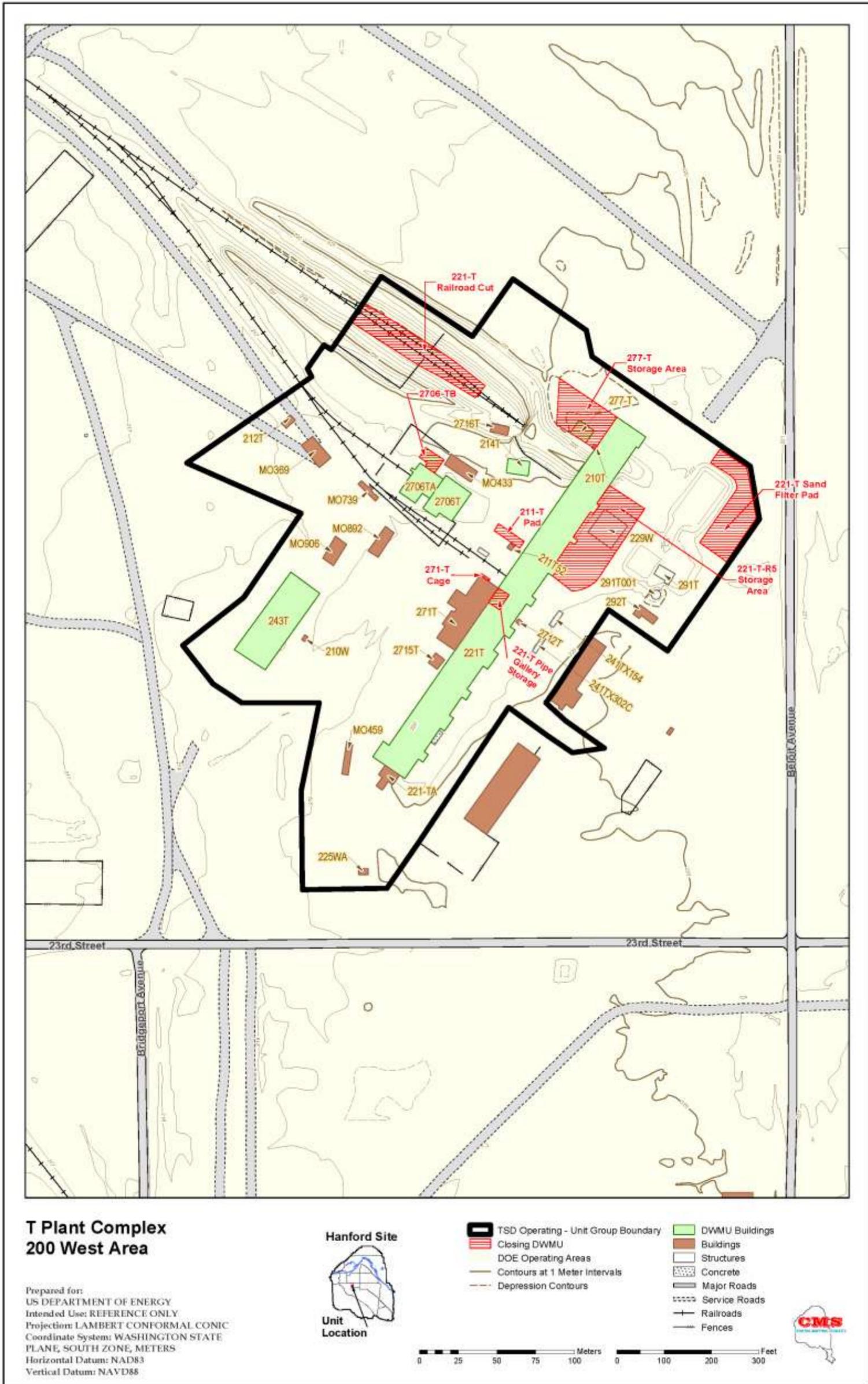
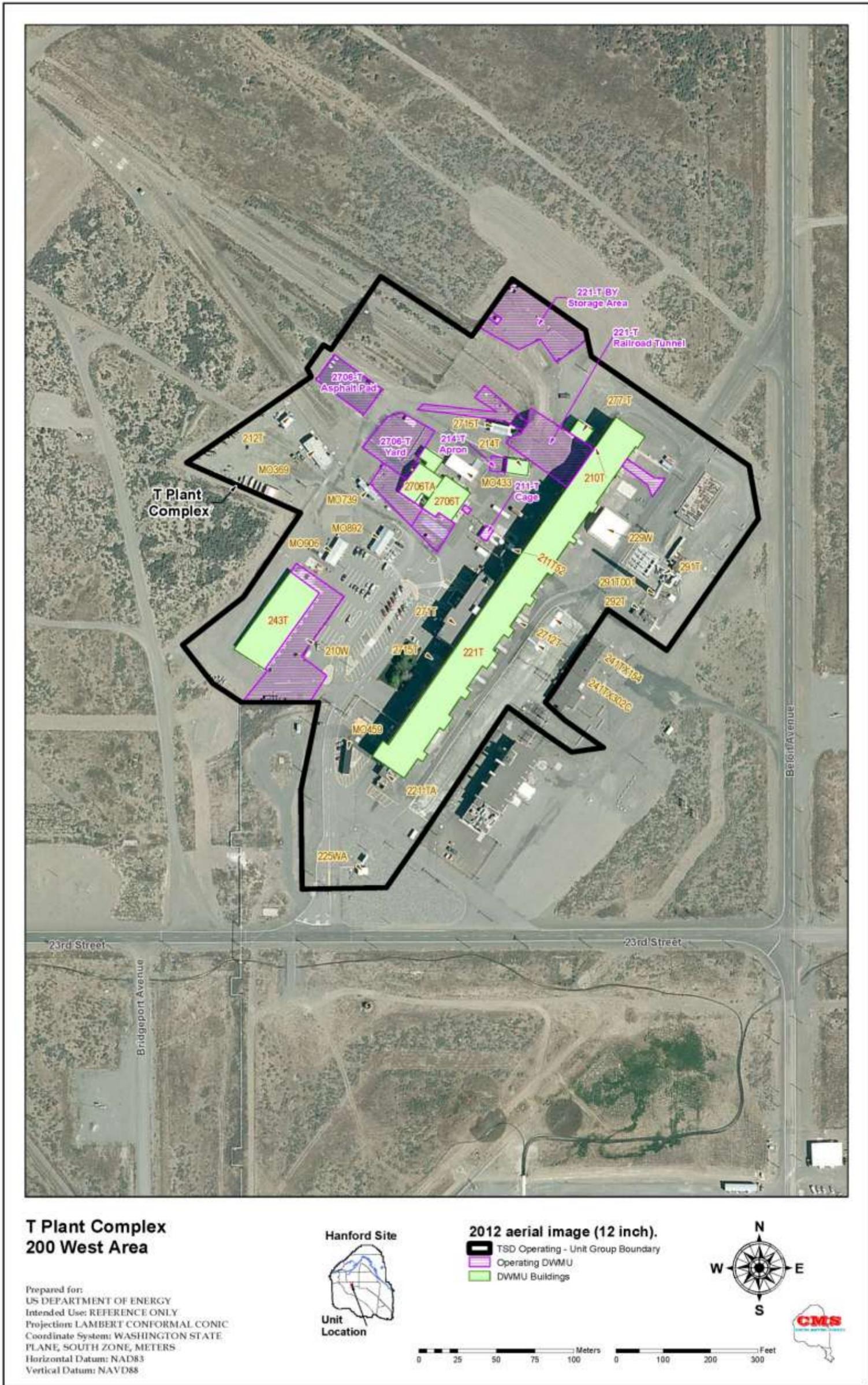
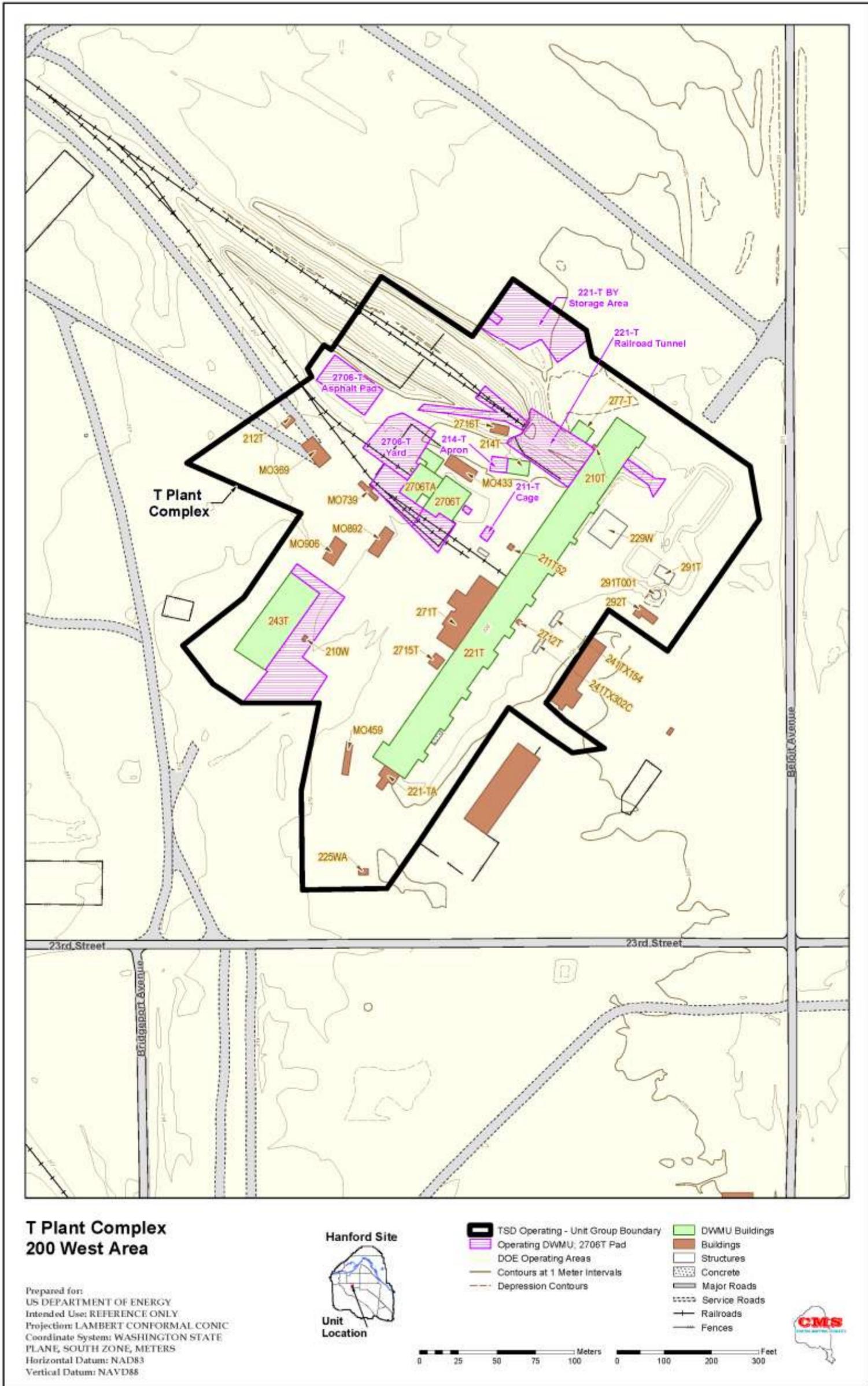


Figure 4. Topographic Map of the T-Plant Complex Closing Units Only



130812\_TPlant\_TSD\_Operating\_Unit\_Aerial\_11x17\_Rev3

Figure 5. T-Plant Complex Aerial Photo Operating Units Only



130812\_TPlant\_TSD\_Operating\_Unit\_Topo\_11x17\_Rev3

Figure 6. Topographic Map of the T-Plant Complex Operating Units Only

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T PLANT COMPLEX



Photo C-1. 214-T Building (September 2013)



Photo C-2. 221-T Canyon Deck (undated photograph)



**Inside T Plant Process Cell (221-T Building)**

**Photo C-3. 221-T Cells (example, undated photograph)**



**Photo C-4. 221-T Railroad Tunnel (exterior view, September 2013)**

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Photo C-5. 221-T Head End (exterior view, September 2013)



Photo C-6. 221-T Operations Gallery Storage (September 2013)

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**Photo C-7. 2706-T Building (exterior view, September 2013)**



**Photo C- 8. 2706-T Asphalt Pad (February 2013)**

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Photo C-9. 2706-TA Building (exterior view (September 2013))



Photo C-10. 2706-T Yard (March 2013)



Photo C-11. 2706-T Yard (HS-030 view, March 2013)



Photo C-12. 2706-T Yard (HS-032 view, March 2013)

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Photo C-13. 243-T Covered Storage Pad (February 2013)



Photo C-14. 211-T Cage (March 2013)

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Photo C-15 . 221-T BY Storage Area (September 2013)



Photo C-16. 271-T Cage (Closing DWMU, February 2013)

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Photo C-17. 211-T Pad (Closing DWMU, February 2013)



Photo C-18. 221-T Sand Filter Pad (Closing DWMU, February 2013)

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Photo C-19. 221-T-R5 Waste Storage Area (Closing DWMU, February 2013)



Photo C-20. 277-T Outdoor Storage Area (Closing DWMU, February 2013)



Photo C-21. 277-T Building (Closing DWMU, February 2013)



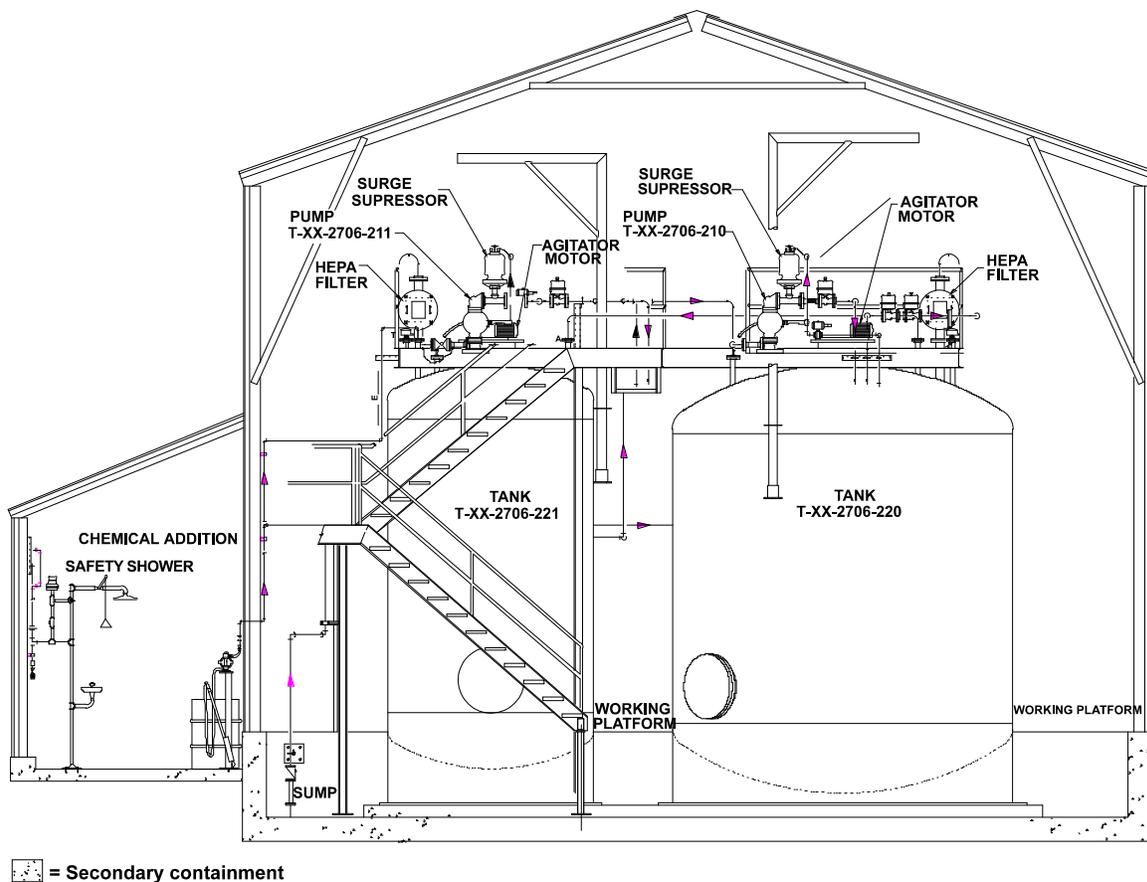
Photo C-22. 221-T Railroad Cut (Closing DWMU, September 2013)

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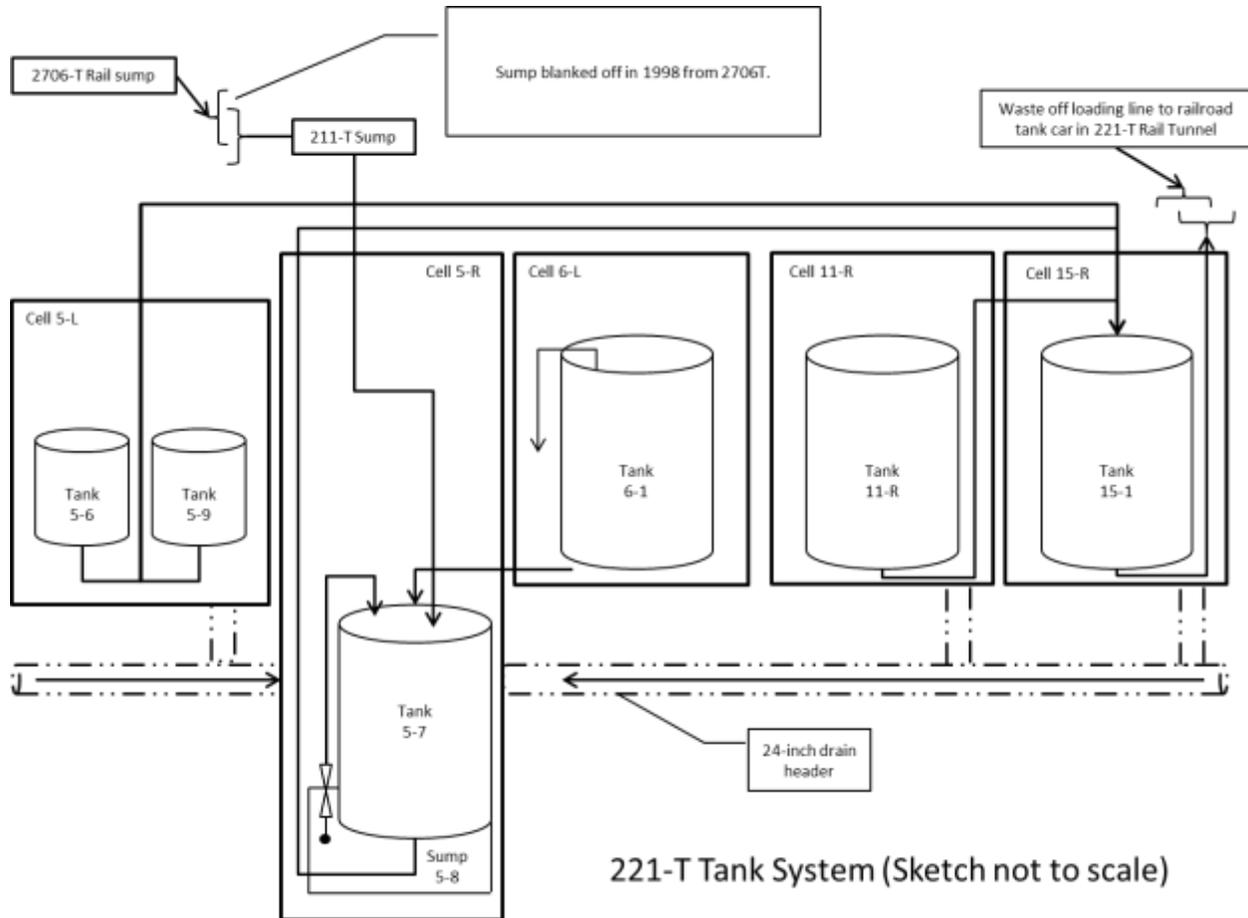


Photo C-23. 221-T Pipe Gallery Storage (Closing DWMU, September 2013)

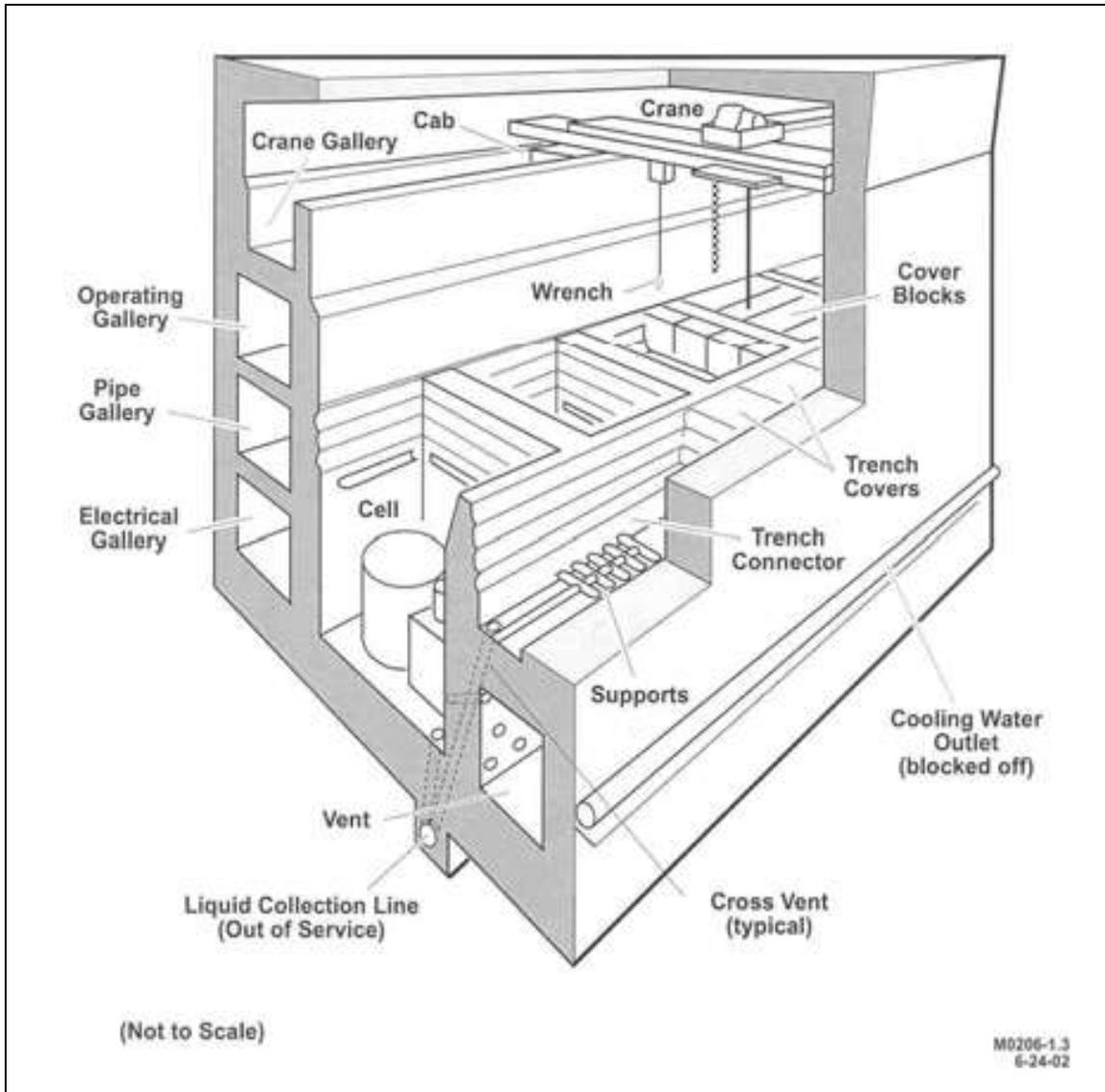


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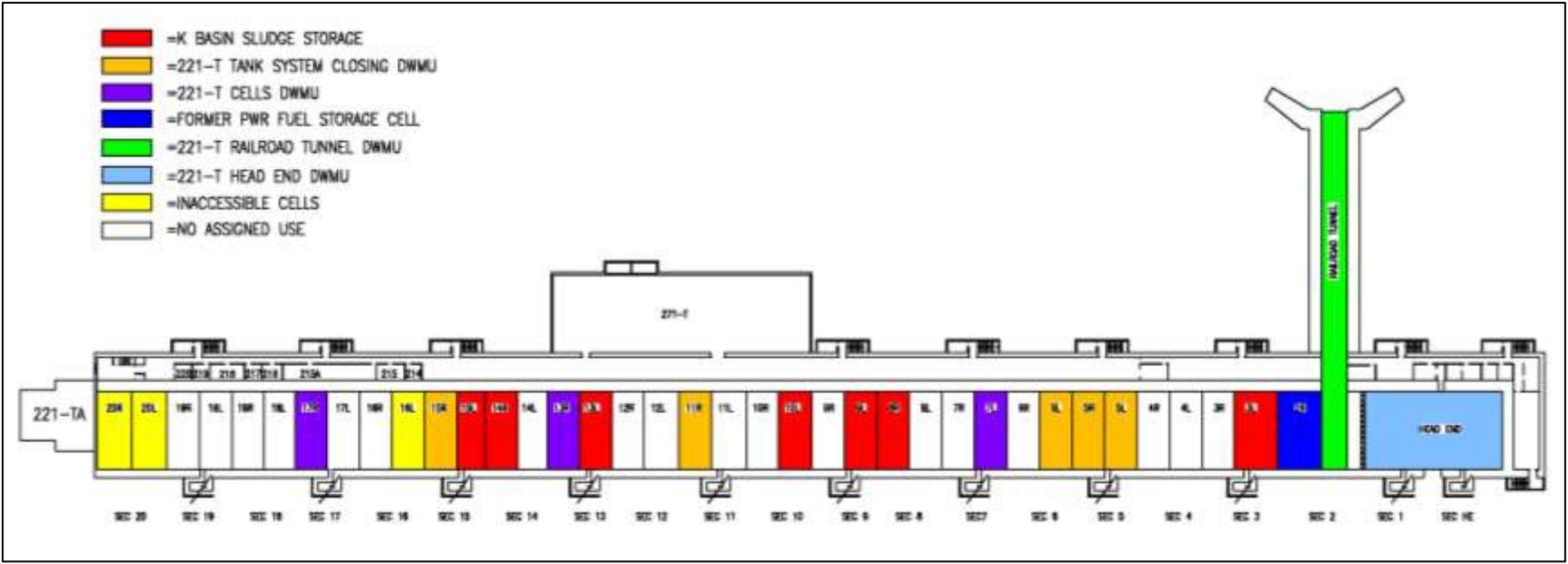
Drawing C-1. 2706-TB Tank System



Drawing C-2. 221-T Tank System Schematic



Drawing C-3. 221-T Cell (example cutaway)



Drawing C-4. 221-T Cell Diagram

C-24