

Part A
October 24, 2013

WA7890008967, Part III Operating Unit Group 6
CWC-WRAP

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

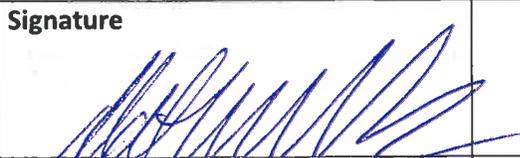
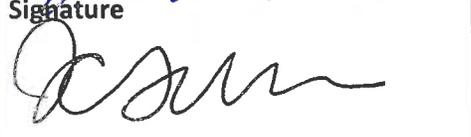
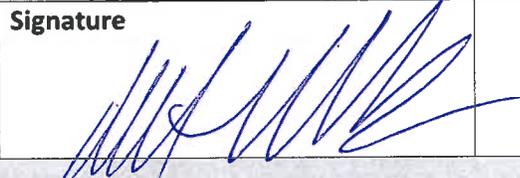
VI. Facility Contact (Person to be contacted regarding waste activities at facility)													
Name (last)						(first)							
McCormick						Matthew							
Job Title						Phone Number							
Manager						(509) 376-7395							
Contact Address													
Street or P.O. Box													
P.O. Box 550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

X. Other Environmental Permits (see instructions)		
A. Permit Type	B. Permit Number	C. Description
E	AOP00-05-006	Title V Air Operating Permit
E	DE01NWP-002	WAC 173-400 & -460 Criteria & Toxics approval
E	FF-01-439	WAC 246-247 Radioactive Air Emissions approval, AIR 08-801, Emission Unit 439
E	FF-01-461	WAC 246-247 Radioactive Air Emissions approval, AIR 08-801, Emission Unit 461
E	FF-01-486	WAC 246-247 Radioactive Air Emissions approval, AIR 11-1006, Emission Unit 486
E	FF-01-1183	WAC 246-247 Radioactive Air Emissions approval, AIR 12-301, Emission Unit 1183
E	FF-01-193	WAC 246-247 Radioactive Air Emissions approval, AIR 12-301, Emission Unit 193
XI. Nature of Business (provide a brief description that includes both dangerous waste and non-dangerous waste areas and activities)		
<p>SEE ATTACHMENT A for further description</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 Central Waste Complex and Waste Receiving and Processing Operating Unit Group (WRAP) Operating Unit Group (CWC-WRAP) is located in Hanford's 200 West Area. Waste management operations began at CWC in August 1988. The WRAP began waste management operations in March 1997. The CWC provides container storage and treatment for dangerous and/or mixed waste generated both onsite at Hanford and offsite, including the retrievably stored transuranic waste being retrieved from the Hanford Facility Low-Level Burial Grounds. The WRAP provides storage and treatment for dangerous waste and/or mixed waste generated both on and off the Hanford Site.</p> <p><u>T04 (Treatment-Other):</u></p> <p>Treatment-other within WRAP-CWC DWMUs consists of sorting and segregation; solidification and/or absorption of liquids; puncture and decant aerosol cans and/or cylinders; mercury amalgamation; deactivation (includes deactivation of ignitable, corrosive and reactive characteristics which may be performed by methods including but not limited to: neutralization; cementing; encapsulation; absorption; and controlled reaction with water.); microencapsulation/macroencapsulation (includes radioactive lead solids, debris and radioactive lead acid batteries); stabilization; and volume reduction.</p> <p>The total process design capacity for treatment-other is 592.1 metric tons per day. Each DWMU can treat up to 592.1 metric tons per day; however, the total volume of treatment in the CWC-WRAP cannot exceed this amount.</p> <p><u>S01 (Container Storage).</u> The storage (S01) process design capacity is 27,166,700 liters (7,176,682 gallons).</p>		
EXAMPLE FOR COMPLETING ITEMS XII and XIII (shown in lines numbered X-1, X-2, and X-3 below):		
<p>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 <i>in situ vitrification</i>.</p>		

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		
X1	S02	1,600	G	002	X1	T04	700	C	001	<i>In situ vitrification</i>
X2	T03	20	E	001						
X3	T04	700	C	001						
1	S01	27,166,700	L	013	1	T04	7	S	004	Solidification and/or absorption of liquids
2	T04	592	S	004	2	T04	1	S	004	Puncture and decant aerosol cans and/or cylinders
3					3	T04	0.1	S	004	Mercury Amalgamation
4					4	T04	3	S	004	Deactivation (includes deactivation of ignitable, corrosive and reactive characteristics)
5					5	T04	80	S	004	Microencapsulation/Macroencapsulation
6					6	T04	41	S	004	Stabilization
7					7	T04	230	S	004	Volume reduction
8					8	T04	230	S	004	Sorting and segregation
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XIV. Description of Dangerous Wastes														
<p>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.</p>														
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>
SEE ATTCHMENT B														

XV. Map
<p>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.</p>
<p>A topographic map of the Hanford Facility has been provided separately. A topographic map for CWC-WRAP is located in Attachment C.</p>
XVI. Facility Drawing
<p>All existing facilities must include a scale drawing of the facility (refer to Instructions for more detail).</p>
<p>Facility drawings of the Hanford Facility have been provided separately. Drawings for the CWC-WRAP are located in Attachment C.</p>
XVII. Photographs
<p>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).</p>
<p>Photographs of the Hanford Facility have been provided separately. Photographs for the CWC-WRAP are located in Attachment C.</p>

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

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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, Richland Operations Office. Dangerous waste and mixed waste (containing both dangerous and radioactive components) are generated and managed within the Hanford Facility.

The Central Waste Complex (CWC) Waste Receiving and Processing (WRAP) Operating Unit Group (OUG) is located in the 200 West Area on the Hanford Site (Photo A-1). Waste management operations began at CWC in August 1988, and WRAP began waste management operations in March 1997. The CWC provides container storage and treatment for dangerous and/or mixed waste, including the retrievably stored transuranic (TRU) waste being retrieved from the Hanford Facility Low-Level Burial Grounds. The waste received and processed by CWC has been generated both on and off the Hanford Site. The primary mission for WRAP is to process TRU and transuranic-mixed (TRUM) waste to meet the Waste Isolation Pilot Plant (WIPP) acceptance requirements; however, WRAP also has processing capabilities to disposition low-level waste (LLW) and mixed low-level waste (MLLW). The waste received and processed by WRAP has been generated both on and off the Hanford Site.

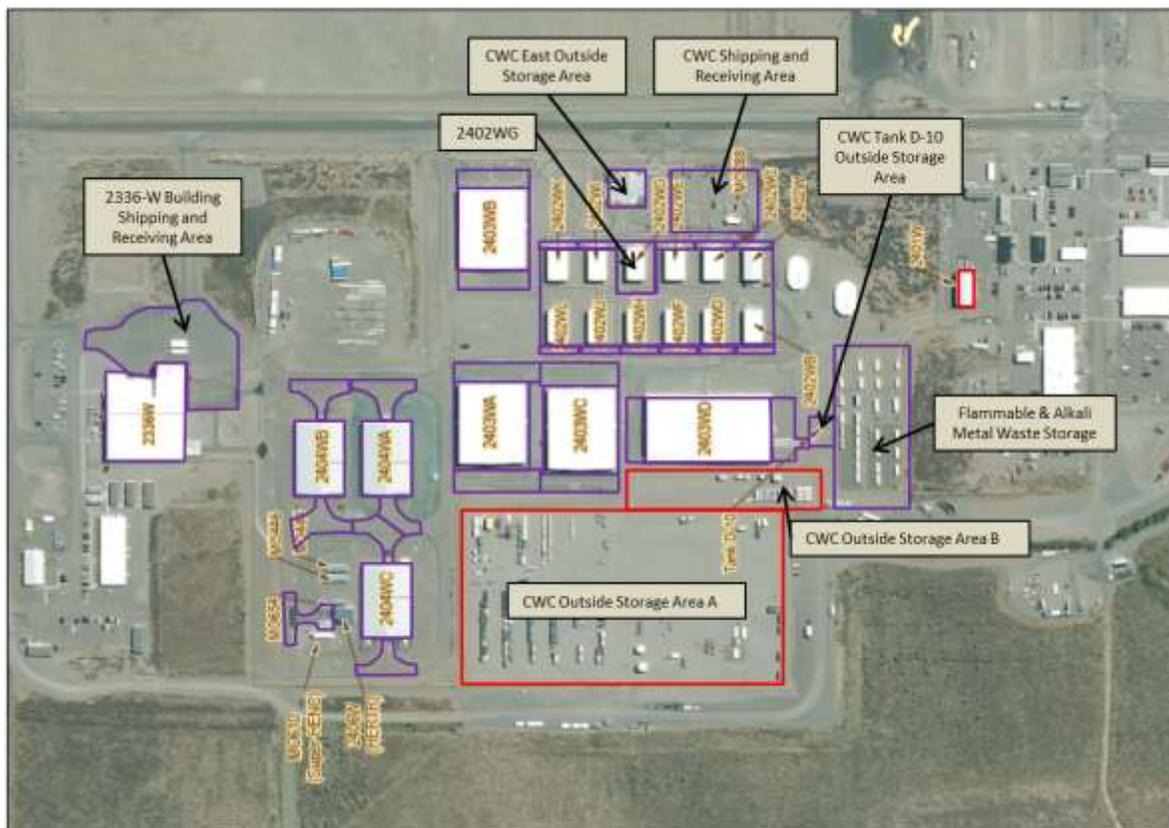
Previously, CWC and WRAP were managed as separate OUGs; however, due to similar missions and operational capabilities, they are now being combined into one OUG.

A2 General Description of On-Site Activities

CWC-WRAP provides storage for dangerous and/or mixed waste from Hanford onsite generating locations, including waste from the Waste Retrieval Project (WRP), and offsite generators. The CWC-WRAP Dangerous Waste Management Units (DWMUs) are designed for storage; in addition, treatment of mixed waste is provided in the following DWMUs: 2402-WG, 2403-WD, 2404-WC, and the 2336-W Building Process Area.

These storage and/or treatment DWMUs provide space for the storage and processing of mixed and non-mixed radioactive wastes, including *Toxic Substances Control Act of 1976* (TSCA) polychlorinated biphenyl (PCB) contaminated mixed and non-mixed radioactively contaminated wastes.

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



1
2 Photograph Date: August 2010

3 **Photo A-1. Aerial Photo of the CWC-WRAP**

Table A-1. Central Waste Complex-Waste Receiving and Processing Dangerous Waste Management Units for Part A

OPERATING DWMUs			
DWMUs Name	Treatment	Storage	Notes
Flammable and Alkali Metal Waste Storage Modules	NO	YES	Includes outdoor areas around storage modules
2402-WG Waste Storage Building	YES	YES	Includes outdoor areas
2402-W, WB through WF, and WH through WL	NO	YES	Includes outdoor areas
2403-WA through WC Series Waste Storage Buildings	NO	YES	Includes outdoor areas
2403-WD Waste Storage Building	YES	YES	Includes outdoor areas
CWC Tank D-10 Outside Storage Area	NO	YES	
CWC East Outside Storage Area	NO	YES	
CWC Shipping and Receiving Area	NO	YES	Includes outdoor areas
2336-W Building Process Area	YES	YES	Treatment within gloveboxes only
2336-W Building NDA/NDE Area	NO	YES	Includes outdoor areas
2336-W Building Shipping and Receiving Area	NO	YES	Includes outdoor areas
2336-W Building Room 152	NO	YES	
2404-WA and WB Waste Storage Building	NO	YES	Includes outdoor areas
2404-WC Waste Storage Building	YES	YES	Includes outdoor areas
HERTR and Super HENC Waste Outdoor Storage Area	NO	YES	
CLOSING DWMUs			
DWMUs Name	CAFO Unit	Notes	
CWC Outside Storage Area A	YES	Currently storing mixed waste; see closure plan for additional information	
CWC Outside Storage Area B	YES	Currently storing mixed waste; see closure plan for additional information	
CWC 2401W Waste Storage Building	YES		

- CAFO = Consent Agreement and Final Order
- CWC = Central Waste Complex
- DWMU = dangerous waste management unit
- NDA = nondestructive assay
- NDE = nondestructive examination
- HENC = High Energy Neutron Counter
- HERTR = High Energy Real Time Radiography

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Table A-2. Summary of Central Waste Complex-Waste Receiving and Processing Operating Dangerous Waste Management Units Treatment and Storage Authorization

Management Unit Type	CWC-WRAP Operating Unit Group DWMUs	Part A Treatment Type	Part A Storage Type
Container (Storage)	Flammable and Alkali Metal Waste Storage Modules CWC Tank D-10 Outside Storage Area CWC East Outside Storage Area CWC Shipping and Receiving Area 2336-W Building NDA/NDE Area 2336-W Building Shipping and Receiving Area 2336-W Building Room 152 2402-W, WB through WF, and WH through W Waste Storage Buildings HERTR and Super HENC Waste Outdoor Storage Area	N/A	S01
Container (Storage and Treatment)	2402-WG Waste Storage Building 2404-WA Waste Storage Building 2336-W Building Process Area 2404-WC Waste Storage Building	T04	S01

- CWC = Central Waste Complex
- DWMU = dangerous waste management unit
- NDA = nondestructive assay
- NDE = nondestructive examination
- HENC = High Energy Neutron Counter
- HERTR = High Energy Real Time Radiography

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A3 Operating DWMUs

4 The function of each operating DWMU is provided in the following subsections.

5 **A3.1 Flammable and Alkali Metal Waste Storage Modules (Storage)**

6 The Flammable and Alkali Metal Waste Storage Modules are pre-engineered structures that vary in size
7 and weight. As a result, there is no set “standard” module. Currently, there are 24 Flammable Waste
8 Storage Modules and 4 Alkali Metal Waste Storage Modules (AMW01-AMW04), as listed in Table A-3.

9 All modules have a vented catch sump under the storage floor, which provides spill containment and
10 precludes spills from affecting other containers by keeping the storage deck clean. Each sump has a
11 capacity of 1,500 to 7,600 L, (396 to 2008 gal) depending on the size of the module.

1 The Flammable and Alkali Metal Waste Storage Modules are designed to meet the storage requirements
2 for ignitable, reactive, and corrosive dangerous or mixed waste. Only compatible waste occupies any
3 one storage module or dedicated secondary containment system at any one time.

4 No treatment of dangerous and/or mixed waste is authorized within the Flammable and Alkali Metal
5 Waste Storage Modules.

6 **A3.2 2402-WG Waste Storage Building DWMU (Storage and Treatment)**

7 The 2402-WG Waste Storage Building is a pre-engineered steel structure. The building is approximately
8 15 m (50 ft) wide, by 24 m (79 ft) long, by 6 m (20 ft) high (to the eave), for a total waste management
9 area of 360 m² (3950 ft²). The foundation is integrated into a perimeter concrete curb 15.2 cm (6 in.)
10 above grade. Ramps are across the curb for loading and unloading operations. The floors are coated with
11 an epoxy resin floor surfacing system compatible with the stored waste.

12 The outside storage area consists of the approach aprons and access paths to the vehicle entrance roll-up
13 doors for the building. These areas provide a place to stage waste packages being prepared for transfer
14 to/from another CWC-WRAP DWMU, to another Hanford OUG, or for offsite shipment to another
15 treatment, storage, and disposal facility (TSDF). Additionally, shipping conveyances (e.g., flatbed trailers,
16 van trailers, and casks) are staged at these locations and loaded with waste containers. The storage areas
17 are constructed of concrete next to the building (i.e., approach aprons) and asphalt further out (i.e., access
18 paths). This area does not have built-in engineered containment. Mixed waste containers meeting the
19 criteria specified in WAC 173-303-630(7)(c), "Dangerous Waste Regulations," "Use and Management of
20 Containers," are stored on standard pallets to ensure elevation off of the asphalt. Waste packages not
21 meeting the criteria specified in WAC 173-303-630(7)(c) (e.g., waste package containing free liquids) are
22 placed on portable spill containment equipment, such as spill pallets and portable berms, meeting the
23 criteria specified in WAC 173-303-630(7)(a) and (b).

24 Treatment of dangerous and/or mixed waste will be performed within 2402-WG. Treatments anticipated
25 in this building include sorting and segregation, solidification and/or absorption of liquids, puncture and
26 decant aerosol cans and or cylinders, mercury amalgamation, deactivation (This includes deactivation of
27 ignitable, corrosive and reactive characteristics. This may be performed by methods including but not
28 limited to: neutralization; cementing; encapsulation; absorption; and controlled reaction with water.),
29 microencapsulation/macroencapsulation (includes radioactive lead solids, debris, and radioactive lead
30 acid batteries), stabilization, and volume reduction. The building may contain temporary structures (e.g., a
31 greenhouse) for radiological containment purposes.

32 **A3.3 2402-W, WB through WF, and WH through WL Waste Storage Buildings** 33 **DWMU (Storage)**

34 The 2402-W, WB through WF, and WH through WL Waste Storage Buildings are pre-engineered steel
35 structures. Each of the 11 buildings is approximately 15 m (50 ft) wide, by 24 m (79 ft) long, by
36 6 m (20 ft) high (to the eave), for a total waste management area of 360 m² (3950 ft²). The foundation of
37 each building is integrated into a perimeter concrete curb 15.2 cm (6 in.) above grade. Ramps are across
38 the curb for loading and unloading operations. The floors are coated with an epoxy resin floor surfacing
39 system compatible with the stored waste.

40 The outside storage area consists of the approach aprons and access paths to the vehicle entrance roll-up
41 doors for the buildings. These areas provide a place to stage waste packages being prepared for transfer
42 to/from another CWC-WRAP DWMU, to another Hanford OUG, or for offsite shipment to another
43 TSDF. Additionally, shipping conveyances (e.g., flatbed trailers, van trailers, and casks) are staged at

1 these locations and loaded with waste containers. The storage areas are constructed of concrete next to the
2 building (i.e., approach aprons) and asphalt further out (i.e., access paths). This area does not have built-in
3 engineered containment. Mixed waste containers meeting the criteria specified in WAC
4 173-303-630(7)(c) are stored on standard pallets to ensure elevation off of the asphalt. Waste packages
5 not meeting the criteria specified in WAC 173-303-630(7)(c) (e.g., waste package containing free liquids)
6 are placed on portable spill containment equipment, such as spill pallets and portable berms, meeting the
7 criteria specified in WAC 173-303-630(7)(a) and (b).

8 No treatment is authorized in the 2402-W, WB through WF, and WH through WL Waste Storage
9 Buildings.

10 **A3.4 2403-WA through WC Waste Storage Buildings DWMU (Storage)**

11 The 2403-WA through WC Waste Storage Buildings DWMU are approximately 52 m (171 ft) wide, 61 m
12 (200 ft) long, and 6 m (20 ft) high (to the eave), each with a total waste management area of 3,172 m²
13 (34,200 ft²).

14 The floor areas are divided into quadrants by concrete curbs that are approximately 12.7 cm (5 in) high.
15 The floors were coated with an epoxy resin floor surfacing system that is compatible with the stored
16 waste. Aisle space is provided through the centers of the 2403-WA through WC Waste Storage Buildings
17 to accommodate loading and unloading operations. Curbs are arranged so that the curbs do not interfere
18 with forklift travel, and ramps are provided over curbs.

19 The outside storage area consists of the approach aprons and access paths to the two vehicle entrance
20 roll-up doors for the 2403-WA through WC Buildings. This area provides a place to stage waste packages
21 being prepared for transfer to/from another CWC-WRAP DWMU, to another Hanford OUG, or for offsite
22 shipment to another TSDF. Additionally, shipping conveyances (e.g., flatbed trailers, van trailers, and
23 casks) are staged at these locations and loaded with waste containers. The storage areas are constructed of
24 concrete next to the building (i.e., approach aprons) and asphalt further out (i.e., access paths). This area
25 does not have built-in engineered containment. Mixed waste containers meeting the criteria specified in
26 WAC 173-303-630(7)(c) are stored on standard pallets to ensure elevation off of the asphalt. Waste
27 packages not meeting the criteria specified in WAC 173-303-630(7)(c) (e.g., waste package containing
28 free liquids) are placed on portable spill containment equipment, such as spill pallets and portable berms,
29 meeting the criteria specified in WAC 173-303-630(7)(a) and (b).

30 No treatment is authorized in the 2403-WA through WC Waste Storage Buildings DWMU.

31 **A3.5 2403-WD Waste Storage Building DWMU (Storage and Treatment)**

32 The 2403-WD Waste Storage Building is a large storage building that is approximately 52 m (171 ft)
33 wide, 99 m (325 ft) long, and 6 m (20 ft) high (to the eave), for a total waste management area of
34 5,148 m² (55,575 ft²).

35 The floor areas are divided into quadrants by concrete curbs that are approximately 12.7 cm (5 in) high.
36 The floor areas are coated with an epoxy resin floor surfacing system that is compatible with the stored
37 waste.

38 Aisle space is provided through the center of the 2403-WD Storage Building to accommodate loading and
39 unloading operations. Curbs are arranged so that the curbs do not interfere with forklift travel. Ramps are
40 provided over curbs.

- 1 Adjacent areas to the building are stabilized and are graded to slope away from the 2403-WD Waste
2 Storage Building to preclude water collection.
- 3 The 2403-WD Waste Storage Building is maintained at atmospheric pressure. Ventilation complies with
4 International Conference of Building Officials requirements (ICBO, 1997, *Uniform Building Code*).
- 5 The outside storage area consists of the approach aprons and access paths to the two vehicle entrance
6 roll-up doors for the 2403-WA through WC Buildings. This area provides a place to stage waste packages
7 being prepared for transfer to/from another CWC-WRAP DWMU, to another Hanford OUG, or for offsite
8 shipment to another TSDF. Additionally, shipping conveyances (e.g., flatbed trailers, van trailers, and
9 casks) are staged at these locations and loaded with waste containers. The storage areas are constructed of
10 concrete next to the building (i.e., approach aprons) and asphalt further out (i.e., access paths). This area
11 does not have built-in engineered containment. Mixed waste containers meeting the criteria specified in
12 WAC 173-303-630(7)(c) are stored on standard pallets to ensure elevations off of the asphalt. Waste
13 packages not meeting the criteria specified in WAC 173-303-630(7)(c) (e.g., waste package containing
14 free liquids) are placed on portable spill containment equipment, such as spill pallets and portable berms,
15 meeting the criteria specified in WAC 173-303-630(7)(a) and (b).
- 16 Treatment of dangerous and/or mixed waste will be performed within this building. Treatments
17 anticipated in this building include sorting and segregation, solidification and/or absorption of liquids,
18 puncture and decant aerosol cans and or cylinders, mercury amalgamation, deactivation (This includes
19 deactivation of ignitable, corrosive and reactive characteristics. This may be performed by methods
20 including but not limited to: neutralization; cementing; encapsulation; absorption; and controlled reaction
21 with water.), microencapsulation/macroencapsulation (includes radioactive lead solids, debris, and
22 radioactive lead acid batteries), stabilization, and volume reduction. The building may contain temporary
23 structures (e.g., a greenhouse) for radiological containment purposes.

24 **A3.6 CWC Tank D-10 Outside Storage Area (Storage)**

- 25 CWC Tank D-10 Outside Storage Area is located between the 2403-WD building and the Flammable and
26 Alkali Metal Waste Storage Modules Area and is a gravel pad. It currently stores the U-Plant D-10 Tank.
- 27 No treatment of dangerous or mixed waste is authorized within the CWC Tank D-10 Outside Storage
28 Area.

29 **A3.7 CWC East Outside Storage Area (Storage)**

- 30 The CWC East Outside Storage Area is located east of the 2402 Series buildings, north of the CWC
31 Shipping and Receiving Area, and approximately 27 m (89 ft) wide by 30 m (98 ft) long, for a total of
32 818 m² (8,722 ft²). The area is curbed with 15.2 cm (6 in.) of concrete. The CWC East Outside Storage
33 Area is provided with an access ramp and a rainwater collection and removal system. Mixed waste
34 containers meeting the criteria specified in WAC 173-303-630(7)(c) are stored on standard pallets to
35 ensure elevation off of the concrete. Waste packages not meeting the criteria specified in WAC 173-303-
36 630(7)(c) (e.g., waste package containing free liquids) are placed on portable spill containment
37 equipment, such as spill pallets and portable berms, meeting the criteria specified in WAC 173-303-
38 630(7)(a) and (b).
- 39 No treatment of dangerous or mixed waste is authorized within the CWC East Outside Storage Area.

1 **A3.8 CWC Shipping and Receiving Area (Storage)**

2 The CWC Shipping and Receiving Area is located east of the 2402 Series buildings, south of CWC East
3 Outside Storage Area, and is an asphalt pad that is approximately 62 m (203 ft) long and 46 m (151 ft)
4 wide for a total area of 2,862 m² (30,653 ft²). This area does not have built-in engineered containment.
5 Mixed waste containers meeting the criteria specified in WAC 173-303-630(7)(c) are stored on standard
6 pallets to ensure elevation off of the concrete. Waste packages not meeting the criteria specified in WAC
7 173-303-630(7)(c) (e.g., waste package containing free liquids) are placed on portable spill containment
8 equipment, such as spill pallets and portable berms, meeting the criteria specified in WAC
9 173-303-630(7)(a) and (b).

10 No treatment of dangerous or mixed waste is authorized within the CWC Shipping and Receiving Area.

11 **A3.9 2336-W Building Process Area DWMU (Storage And Treatment)**

12 This DWMU houses four gloveboxes used for the inspection, repackaging, and treatment of the various
13 types of radioactively contaminated waste that is received in to the facility. The gloveboxes provide
14 worker protection from the radiological hazards associated with the waste. Waste is loaded in to the
15 gloveboxes and physically inspected, sorted, size reduced and repackaged in to new containers that are
16 acceptable for WIPP certification or other receiving TSDF waste acceptance criteria. Two gloveboxes
17 have compactors built into them: one for compacting drums containing LLW, and the other for
18 compacting empty drums.

19 Treatment of dangerous and/or mixed waste will be performed within the the 2336-W Building Process
20 Area WMU. To meet WIPP acceptance requirements, some of the TRUM waste needs to be sorted and
21 segregated; treated to render the liquids non-liquid by means of solidification and/or absorption; puncture
22 and decant aerosol cans; amalgamate mercury using various metals or sulfur based reactants;
23 neutralization of corrosives; deactivation of corrosives, ignitables, and reaction of reactive waste.
24 Additionally, treatment of MLLW in the 2336-W Building Process Area will include sorting and
25 segregation, solidification and/or absorption of liquids, puncture and decant aerosol cans and or cylinders,
26 mercury amalgamation, deactivation (This includes deactivation of ignitable, corrosive and reactive
27 characteristics. This may be performed by methods including but not limited to: neutralization;
28 cementing; encapsulation; absorption; and controlled reaction with water.),
29 microencapsulation/macroencapsulation (includes radioactive lead solids, debris, and radioactive lead
30 acid batteries), stabilization, and volume reduction.

31 Waste storage in this area consists of containerized (drums) waste stored on the drum carousels, on
32 conveyors, and on the floor. During the processing of waste, uncontainerized waste may be stored inside
33 the gloveboxes. This area is designed and operated to store waste packages containing free liquids per
34 WAC 173-303-630(7)(a) and (b) (e.g., epoxy sealed slab-on-grade floor, 15 cm (6 in) high curbing, and
35 weekly inspections).

36 **A3.10 2336-W Building NDA/NDE Area DWMU (Storage)**

37 This DWMU houses the nondestructive assay (NDA) and nondestructive examination (NDE) equipment
38 used in support of certifying TRU/M waste for WIPP acceptance. Various sized drums and standard waste
39 boxes (SWBs) are normally managed in this area.

40 Waste storage in this area consists of both inside and outside storage areas:

- 41 • The inside storage area stores mixed and non-mixed waste containers on drum carousels, conveyors
42 and on the floor. This area is designed to store waste packages containing free liquids per

1 WAC 173-303-630(7)(a) and (b) (e.g., epoxy sealed slab-on-grade floor, 15 cm (6 in) high curbing,
2 weekly inspections).

- 3 • The outside storage area (also known by 2336-W Outdoor Storage Area) consists of a 12 m (40 ft) by
4 12 m (40 ft) unsealed concrete pad located just outside of Roll-Up Door 103. This area does not have
5 built-in engineered containment. Mixed waste containers meeting the criteria specified in
6 WAC 173-303-630(7)(c) are stored on standard pallets to ensure elevation off of the concrete. Waste
7 packages not meeting the criteria specified in WAC 173-303-630(7)(c) (e.g., waste package
8 containing free liquids) are placed on portable spill containment equipment, such as spill pallets and
9 portable berms, meeting the criteria specified in WAC 173-303-630(7)(a) and (b).

10 No treatment of dangerous or mixed waste is authorized within the 2336-W Building NDA/NDE area.

11 **A3.11 2336-W Building Shipping and Receiving Area DWMU (Storage)**

12 This DWMU houses the waste shipping and receiving equipment and storage space for WRAP. There are
13 four (4) shipping/receiving roll-up doors into and out-of the facility in this area, and this area houses the
14 TRUPACT-II container loading bay.

15 Waste storage in this area consists of both inside and outside storage areas:

- 16 • The inside storage area stores mixed waste containers on conveyors, the Automated Stacker/Retrieval
17 System (AS/RS), on the floor, and in WIPP shipping conveyances. This area is designed to store
18 waste packages containing free liquids per WAC 173-303-630(7)(a) and (b) (e.g., epoxy sealed
19 slab-on-grade floor, 15 cm high curbing, catch pans designed in with the AS/RS, and weekly
20 inspections).
- 21 • The outside storage section consists of two areas: the 2336-W Loading Dock Area and the WIPP
22 Conveyance Staging Area. Both areas are paved with unsealed asphalt, and they do not have built-in
23 engineered containment. Mixed waste containers meeting the criteria specified in WAC
24 173-303-630(7)(c) are stored on standard pallets, trailers or other devices, to ensure elevation off of
25 the asphalt. Waste packages not meeting the criteria specified in WAC 173-303-630(7)(c) (e.g., waste
26 package containing free liquids) are placed on portable spill containment equipment, such as spill
27 pallets and portable berms, meeting the criteria specified in WAC 173-303-630(7)(a) and (b).

28 No treatment of dangerous or mixed waste is authorized within the 2336-W Building Shipping and
29 Receiving Area.

30 **A3.12 2336-W Building Room 152 DWMU (Storage)**

31 The 2336-W Building Room 152 DWMU is a small inside room (nominally 3 m (10 ft) by 9 m (28 ft))
32 located next to the material receiving dock on the east side of the 2336-W Building. This DWMU is used
33 to store nonradioactive dangerous waste, universal waste, recyclables, and materials storage such as
34 chemicals.

35 The floor of Room 152 is sealed concrete that does not provide secondary containment. Dangerous waste
36 containers meeting the criteria specified in WAC 173-303-630(7)(c) are stored on standard pallets to
37 ensure elevation off of the concrete floor. Dangerous waste packages not meeting the criteria specified in
38 WAC 173-303-630(7)(c) (e.g., waste package containing free liquids) are placed on portable spill
39 containment equipment such as spill pallets meeting the criteria specified in WAC 173-303-630(7)(a)
40 and (b).

41 No treatment of dangerous or mixed waste is authorized within the 2336-W Building Room 152.

1 A3.13 2404-WA through WB, Waste Storage Building DWMU (Storage)

2 The 2404-WA and 2404-WB Waste Storage Building DWMU consists of a storage building and outside
3 storage pads. Each unit stores many different types (e.g., drums and boxes) and sizes (e.g., 85 gal drums,
4 55 gal drums, SWBs, and 9 ft by 5 ft by 5 ft boxes) mixed waste containers. The building measures
5 nominally 55 m (180 ft) by 37 m (120 ft) and has engineered containment berms, liquids collection
6 sumps, and a sealed concrete surface meeting WAC 173-303-630(7)(a) and (b) for containers that contain
7 free liquids. The building is not insulated and has power roof ventilators with filtered air inlets around the
8 perimeter of the building that provide basic ventilation during forklift operations with in the building.

9 The outside storage area consists of the approach aprons and access paths to the two vehicle entrance
10 roll-up doors for the respective building. This area provides a place to stage waste packages being
11 prepared for transfer to/from another WRAP DWMU, to another Hanford OUG, or for offsite shipment to
12 another TSDf. Additionally, shipping conveyances (e.g., flatbed trailers, van trailers, and casks) are
13 staged at these locations and loaded with waste containers. The storage area is constructed of concrete
14 next to the building (i.e., approach aprons) and asphalt further out (i.e., access paths). This area does not
15 have built-in engineered containment. Mixed waste containers meeting the criteria specified in
16 WAC 173-303-630(7)(c) are stored on standard pallets to ensure elevation off of the asphalt. Waste
17 packages not meeting the criteria specified in WAC 173-303-630(7)(c) (e.g., waste package containing
18 free liquids) are placed on portable spill containment equipment, such as spill pallets and portable berms,
19 meeting the criteria specified in WAC 173-303-630(7)(a) and (b).

20 No treatment of dangerous or mixed waste is authorized within the 2404-WA and 2404-WB Waste
21 Storage Building DWMU.

22 A3.14 2404-WC, Waste Storage Building DWMU (Storage and Treatment)

23 This DWMU consists of a storage building and outside storage pads. This unit stores many different types
24 (e.g., drums and boxes) and sizes (e.g., 85 gal drums, 55 gal drums, SWBs and 9 ft by 5 ft by 5 ft boxes)
25 mixed waste containers. The building measures nominally 55m (180 ft) by 37 m (120 ft) and has
26 engineered containment berms, liquids collection sumps, and a sealed concrete surface meeting WAC
27 173-303-630(7)(a) and (b) for containers that contain free liquids. The building is insulated and has a
28 heating, ventilating, and air conditioning system providing a temperature controlled environment in
29 support of specific WIPP certification activities (e.g., Head Gas Sampling and NDE), and to provide basic
30 ventilation during forklift use and other operational activities within the building.

31 This building will be used for treatment of mixed waste in support of WIPP certification requirements
32 and/or disposition of large container TRUM and MLLW. Treatments anticipated in this building include
33 sorting and segregation, solidification and/or absorption of liquids, puncture and decant aerosol cans and
34 or cylinders, mercury amalgamation, deactivation (This includes deactivation of ignitable, corrosive and
35 reactive characteristics. This may be performed by methods including but not limited to: neutralization;
36 cementing; encapsulation; absorption; and controlled reaction with water.),
37 microencapsulation/macroencapsulation (includes radioactive lead solids, debris, and radioactive lead
38 acid batteries), stabilization, and volume reduction.. The building may contain temporary structures (e.g.,
39 a greenhouse) for radiological containment purposes.

40 The outside storage area consists of the approach aprons and access paths to the two vehicle entrance
41 roll-up doors for the 2404-WC Building. This area provides a place to stage waste packages being
42 prepared for transfer to/from another WRAP DWMU, to another Hanford OUG, or for offsite shipment to
43 another TSDf. Additionally, shipping conveyances (e.g., flatbed trailers, van trailers, and casks) are
44 staged at this location and loaded with waste containers. The storage area is constructed of concrete next

1 to the building (i.e., approach aprons) and asphalt further out (i.e., access paths). This area does not have
2 built-in engineered containment. Mixed waste containers meeting the criteria specified in
3 WAC 173-303-630(7)(c) are stored on standard pallets to ensure elevation off of the asphalt. Waste
4 packages not meeting the criteria specified in WAC 173-303-630(7)(c) (e.g., waste package containing
5 free liquids) are placed on portable spill containment equipment, such as spill pallets and portable berms,
6 meeting the criteria specified in WAC 173-303-630(7)(a) and (b). No waste treatment is performed in the
7 outside area of this DWMU, only storage.

8 **A3.15 HERTR and Super HENC Waste Outdoor Storage Area DWMU** 9 **(Previously Known as Storage Area B) (Storage)**

10 The High Energy Real Time Radiography (HERTR) and Super High Energy Neutron Counter (HENC)
11 Waste Outdoor Storage Area DWMU consists of an outside storage pad servicing the HERTR and Super
12 HENC. The pad consists of a concrete section, adjacent to the Super HENC, and asphalt leading up to the
13 HERTR and the concrete pad section. This area provides temporary storage while staging containers that
14 will be ran through the HERTR and Super HENC.

15 This area does not have built-in engineered containment, nor are the surfaces sealed. Mixed waste
16 containers meeting the criteria specified in WAC 173-303-630(7)(c) are stored on standard pallets to
17 ensure elevation off of the surface. Waste packages not meeting the criteria specified in
18 WAC 173-303-630(7)(c) (e.g., waste package containing free liquids) are placed on portable spill
19 containment equipment, such as spill pallets and portable berms, meeting the criteria specified in WAC
20 173-303-630(7)(a) and (b).

21 No waste treatment is authorized in the HERTR and Super HENC Waste Outdoor Storage Area.

22 **A4 Closing DWMUs**

23 CWC-WRAP includes DWMUs currently undergoing closure activities per an approved closure plan.
24 These units are not authorized to accept dangerous and/or mixed waste into the units.

25 **A4.1 CWC West Outside Storage Area A (Closing)**

26 The CWC West Outside Storage Area A is an outside area west of the 2403 Series buildings that is
27 approximately 252 m (823 ft) long and 140 m (460 ft) wide for a total area of 35,260 m² (378,580 ft²).
28 The CWC Outside Storage Area A is an uncovered area that is graded and leveled with gravel. The CWC
29 West Outside Storage Area A was primarily intended for management of waste boxes. The CWC West
30 Outside Storage Area A currently contains mixed waste, as described in the closure plan for this DWMU.

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

33 **A4.2 CWC West Outside Storage Area B (Closing)**

34 The CWC-WRAP Outside Storage Area B was activated in December 2006 with the primary purpose of
35 storing large TRUM waste boxes removed from storage as part of the WRP. Outside Storage Area B is
36 located between the CWC Outside Storage Area A and the 2403 Series buildings. Area B is
37 approximately 257 m (843 ft) long and 20 m (66 ft) wide for a total area of 5,140 m² (55,327 ft²). Area B
38 is an uncovered area that is graded and leveled with gravel. The CWC West Outside Storage Area B was
39 primarily intended for management of waste boxes. The CWC West Outside Storage Area B currently
40 contains mixed waste, as described in the closure plan for this DWMU.

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

3 **A4.3 CWC 2401W Waste Storage Building (Closing)**

4 The 2401-W Waste Storage Building (2401-W Building) (Photo C-26) is a pre-engineered steel structure.
5 It is 15.2 m (49.9 ft) wide, by 24.4 m (80.1 ft) long, by 6.1 m (20 ft) high (to the eave), with a total waste
6 management area of 371 m² (3,993 ft²). The foundation is integrated into a perimeter concrete curb,
7 15.2 cm (6 in.) above grade. Ramps are placed across the curb for loading and unloading operations.
8 The floors are coated with an epoxy resin floor surfacing system that is compatible with the stored waste.

9 This DWMU is undergoing RCRA closure. No future receipts of RCRA waste for storage or treatment of
10 dangerous or mixed waste are authorized within the 2401W Building.

11 **A5 Treatment and Storage Capacities**

12 The following subsections describe treatment and storage capacities shown in Table A-3.

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

14 Treatment-other within WRAP-CWC DWMUs consists of sorting and segregation, solidification and/or
15 absorption of liquids, puncture and decant aerosol cans and or cylinders, mercury amalgamation,
16 deactivation (This includes deactivation of ignitable, corrosive and reactive characteristics. This may be
17 performed by methods including but not limited to: neutralization; cementing; encapsulation; absorption;
18 and controlled reaction with water.), microencapsulation/macroencapsulation (includes radioactive lead
19 solids, debris, and radioactive lead acid batteries), stabilization, and volume reduction..

20 The total process design capacity for treatment-other is 592.1 metric tons (mt) (1,305,357 lb) per day and
21 is shown in Table A-3 for each DWMU at CWC-WRAP. To determine maximum treatment capacity,
22 calculations were performed that conservatively estimated the maximum volume of waste expected to be
23 treated using the volume of containers expected to be managed at CWC-WRAP in a day. Each DWMU
24 authorized for treatment can treat up to 592.1 mt (1,305,357 lb) per day; however, the total volume of
25 treatment in the CWC-WRAP cannot exceed this amount.

26 **A5.2 S01 (Container Storage)**

27 The total storage (S01) process design capacity is 27,166,700 L (7,176,682 gal).

28 The maximum total volume (in liters) is shown in Table A-3 within each DWMU at CWC-WRAP, as
29 well as the resulting total storage capacity of CWC-WRAP. A diverse range of waste containers are
30 managed within the CWC-WRAP DWMUs including, but not limited to, 19 L (5 gal), 114 L (30 gal),
31 208 L (55 gal), 322 L (85 gal), 379 L (100 gal), and 416 L (110 gal) drums, and waste boxes are of
32 various sizes up to 50,000 L (13,210 gal). To calculate the maximum capacity of waste containers stored
33 at the CWC-WRAP OUG, calculations were performed for conservative computation of the maximum
34 waste volume expected to be stored in each DWMU.

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

- 37 • Assumed four containers per pallet
- 38 • Maximum of three stacked pallets
- 39 • 36 in.(0.9 m) aisle space between rows of pallets/containers

40

1

Table A-3. Treatment and Storage Volume for Central Waste Complex Dangerous Waste Management Units

DWMU	Max. Treatment Rate (Metric Tons/Day)**	Max. Stored Vol. (Liters)*
2402-W Waste Storage Building	0	334,500
2402-WB Waste Storage Building	0	334,500
2402-WC Waste Storage Building	0	334,500
2402-WD Waste Storage Building	0	334,500
2402-WE Waste Storage Building	0	334,500
2402-WF Waste Storage Building	0	334,500
2402-WG Waste Storage Building	592.1**	334,500
2402-WH Waste Storage Building	0	334,500
2402-WI Waste Storage Building	0	334,500
2402-WJ Waste Storage Building	0	334,500
2402-WK Waste Storage Building	0	334,500
2402-WL Waste Storage Building	0	334,500
2403-WA Waste Storage Building	0	3,619,500
2403-WB Waste Storage Building	0	3,619,500
2403-WC Waste Storage Building	0	3,619,500
2403-WD Waste Storage Building	592.1**	5,460,000
2404-WA Waste Storage Building	0	1,600,000
2404-WB Waste Storage Building	0	1,600,000
2404-WC Waste Storage Building	592.1**	1,600,000
Flammable Waste Storage Module 1 (FS-01)	0	9,000
Flammable Waste Storage Module 2 (FS-02)	0	9,000
Flammable Waste Storage Module 3 (FS-03)	0	18,000
Flammable Waste Storage Module 5 (FS-05)	0	10,500
Flammable Waste Storage Module 6 (FS-06)	0	10,500
Flammable Waste Storage Module 7 (FS-07)	0	10,500
Flammable Waste Storage Module 9 (FS-09)	0	10,500
Flammable Waste Storage Module 10 (FS-10)	0	10,500

Table A-3. Treatment and Storage Volume for Central Waste Complex Dangerous Waste Management Units

DWMU	Max. Treatment Rate (Metric Tons/Day)**	Max. Stored Vol. (Liters)*
Flammable Waste Storage Module 11 (FS-11)	0	10,500
Flammable Waste Storage Module 12 (FS-12)	0	10,500
Flammable Waste Storage Module 14 (FS-14)	0	18,000
Flammable Waste Storage Module 15 (FS-15)	0	10,500
Flammable Waste Storage Module 16 (FS-16)	0	13,500
Flammable Waste Storage Module 17 (FS-17)	0	13,500
Flammable Waste Storage Module 18 (FS-18)	0	13,500
Flammable Waste Storage Module 19 (FS-19)	0	9,000
Flammable Waste Storage Module 20 (FS-20)	0	9,000
Flammable Waste Storage Module 21 (FS-21)	0	10,500
Flammable Waste Storage Module 22 (FS-22)	0	10,500
Flammable Waste Storage Module 23 (FS-23)	0	10,500
Flammable Waste Storage Module 24 (FS-24)	0	10,500
Flammable Waste Storage Module 25 (FS-25)	0	10,500
Flammable Waste Storage Module 26 (FS-26)	0	15,000
Flammable Waste Storage Module 27 (FS-27)	0	15,000
Alkali Metal Waste Storage Module 1 (AMW01)	0	10,500
Alkali Metal Waste Storage Module 2 (AMW02)	0	10,500
Alkali Metal Waste Storage Module 3 (AMW03)	0	10,500
Alkali Metal Waste Storage Module 4 (AMW04)	0	10,500
CWC East Outside Storage Area	0	157,500
CWC Shipping and Receiving Area	0	550,500
CWC Tank D-10 Outside Storage Area	0	774,900
2336-W Building Shipping and Receiving Area	0	129,000
2336-W Building NDE/NDA Area	0	84,000
2336-W Building Process Area	591.2**	16,000
2336-W Building Room 152	0	1,300
Totals	592.1**	27,166,700

Table A-3. Treatment and Storage Volume for Central Waste Complex Dangerous Waste Management Units

DWMU	Max. Treatment Rate (Metric Tons/Day)**	Max. Stored Vol. (Liters)*
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* 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.

** The maximum treatment rate for all of CWC-WRAP is 592.1 mt/day. This treatment rate can be realized in any of the DWMUs having treatment capability; however, the combined daily treatment rate cannot exceed 592.1 mt /day.

- CWC = Central Waste Complex
- DWMU = dangerous waste management unit
- NDA = nondestructive assay
- NDE = nondestructive examination
- HENC = High Energy Neutron Counter
- HERTR = High Energy Real Time Radiography

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A6 Waste Generated

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

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CWC-WRAP also generates dangerous and mixed wastes from routine maintenance and processing operations. Waste includes batteries, oils, solvents, paint waste, miscellaneous debris waste, and discarded chemicals.

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A7 Universal Waste

11

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

12

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A8 Corrective Actions Statement

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There are no historical or ongoing corrective actions taken at the CWC-WRAP 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	44,000	K	S01	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
38	D038				Included with above
39	D039				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
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
79	U008				Included with above
80	U009				Included with above
81	U010				Included with above
82	U011				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
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
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

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
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
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

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
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
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

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
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
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

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
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
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

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
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
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

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
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
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

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
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
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

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
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	57,500	M	T04	Other Treatment
444	D002				Included with above
445	D003				Included with above
446	D004				Included with above
447	D005				Included with above
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

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
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
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

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
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
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

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
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
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

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
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
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

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
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
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

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
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
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

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
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
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

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
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
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

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
813	P060				Included with above
814	P062				Included with above
815	P063				Included with above
816	P064				Included with above
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

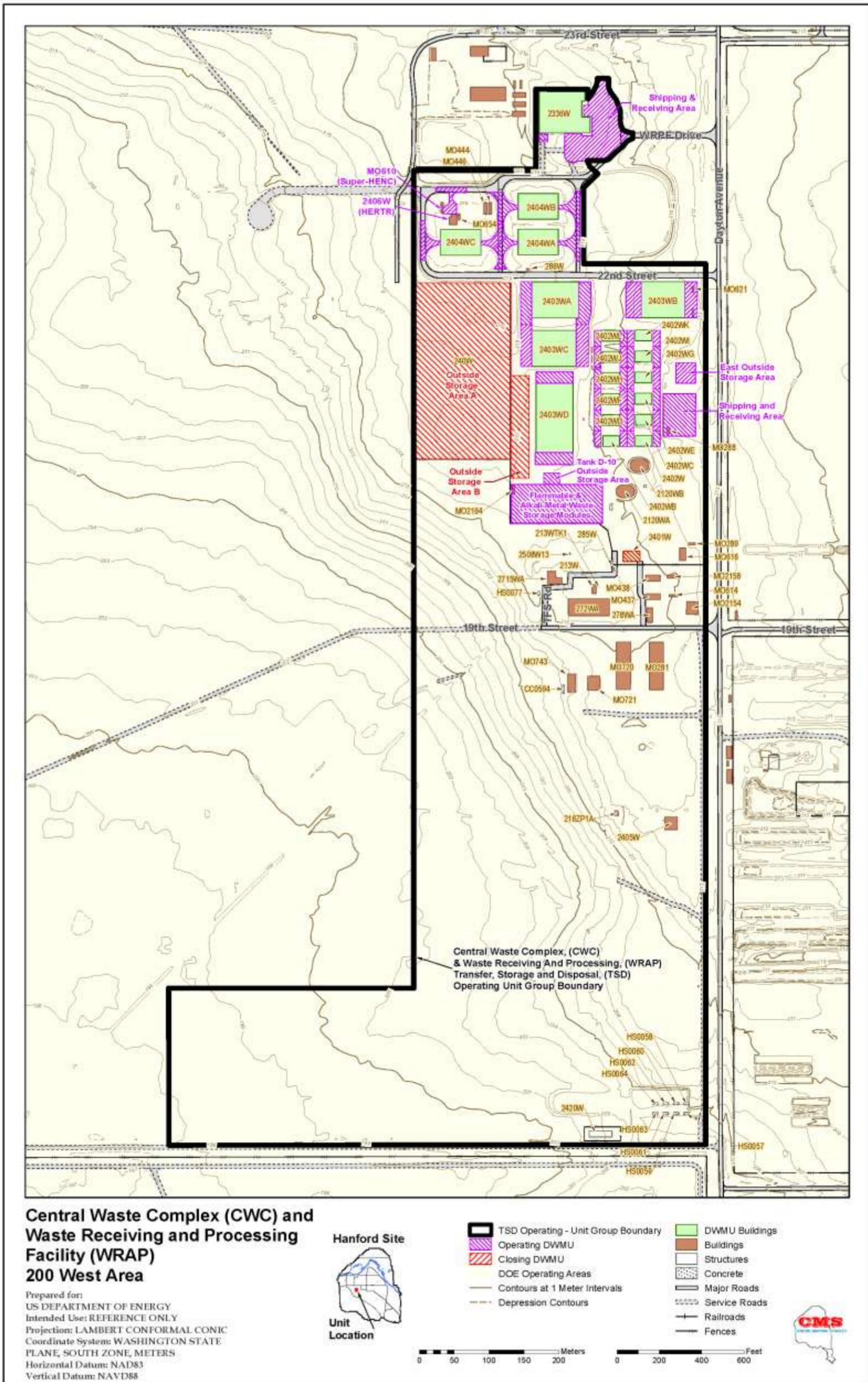
EPA State ID# WA7890008967					
Line Number	A. Dangerous Waste Number	B. Estimated Annual Quantity of Waste	C. Unit of Measure	Processes	
				(1) Process Codes	(2) Process Description
856	P112				Included with above
857	P113				Included with above
858	P114				Included with above
859	P115				Included 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

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Attachment C

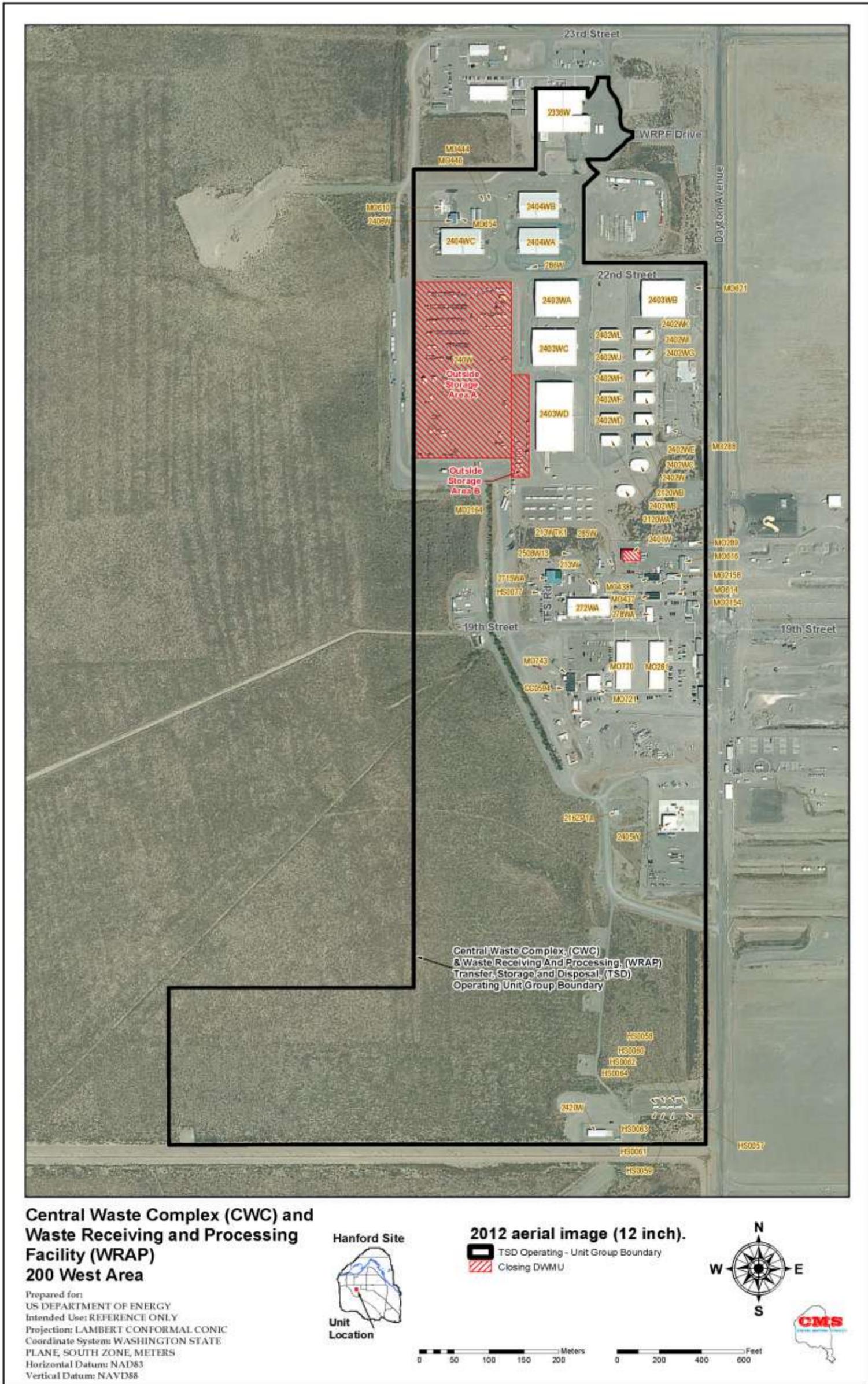
Section XVII – Photographs

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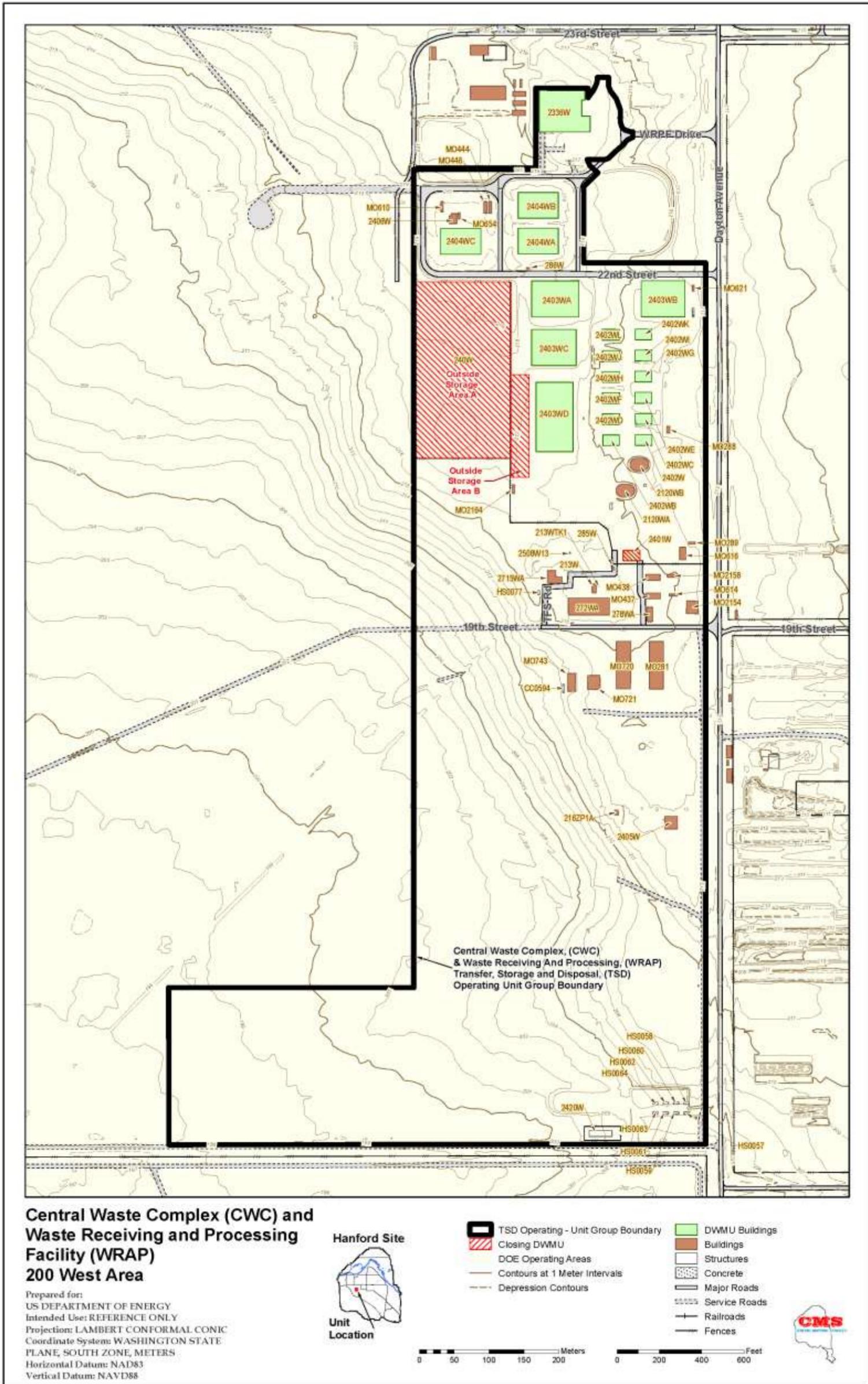
130812_CWC_WRAP_Combined_TSD_Closed_Operating_Unit_Topo_11x17_Rev0

Figure C-2. Topographic Map of the CWC-WRAP Operating and Closing Units



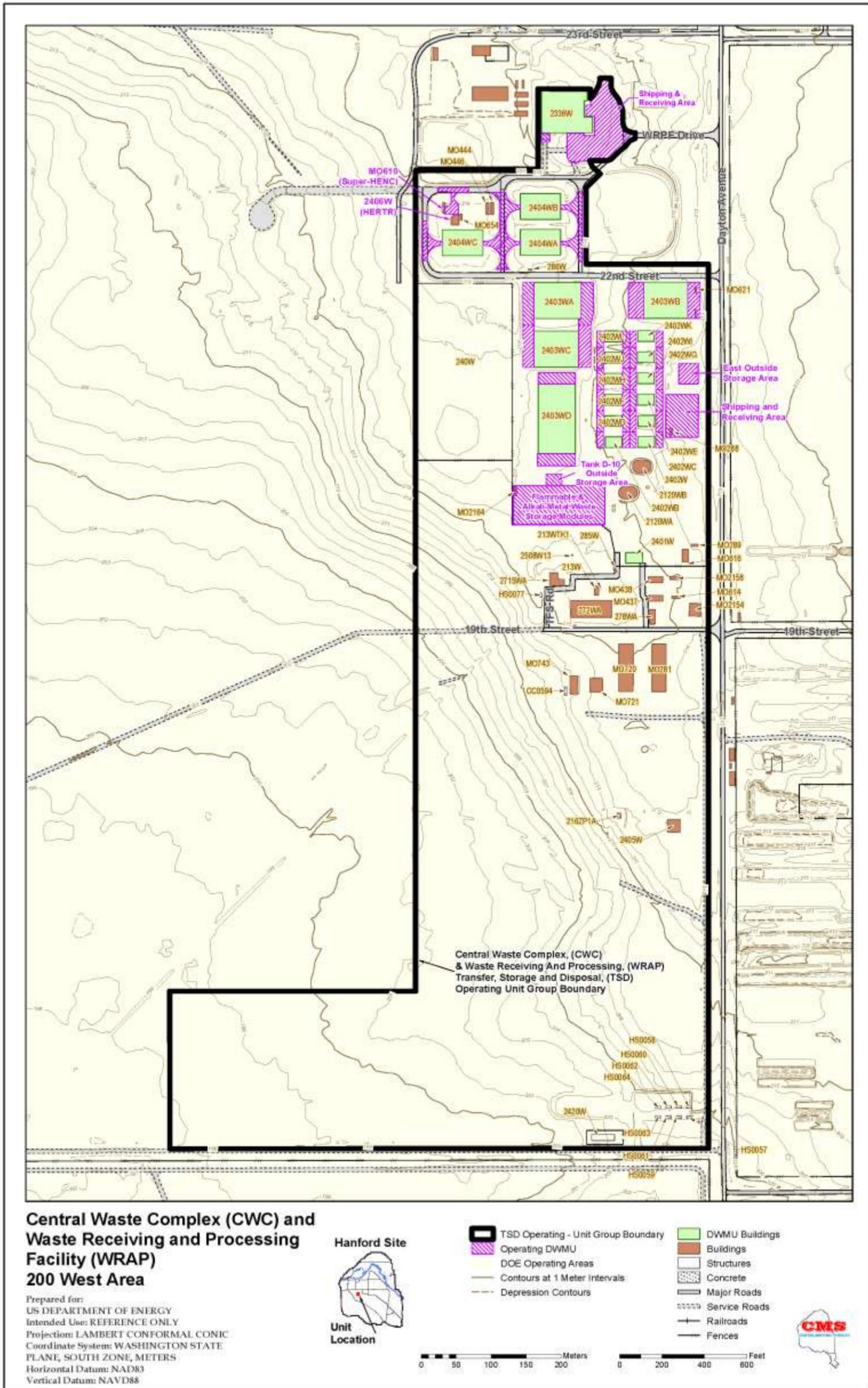
130812_CWC_WRAP_Combined_TSD_Closing_Unit_Aerial_11x17_Rev0

Figure C-3. CWC-WRAP Aerial Photo Closing Units Only



130812_CWC_WRAP_Combined_TSD_Closing_Unit_Topo_11x17_Rev0

Figure C-4. Topographic Map of the CWC-WRAP Closing Units Only



130812_CWC_WRAP_Combined_TSD_Operating_Unit_Topo_11x17_Rev0

Figure 6. Topographic Map of the Operating Units Only



Photo C-2. AMW-4 (Typical Alkali Metal Waste Storage Module, March 2013)



Photo C-3. FS-23 (Typical Flammable Waste Storage Module, March 2013)



Photo C-4. 2402-W Series Waste Storage Buildings (March 2013)



Photo C-5. 2402-W1 (Typical of Outdoor areas associated with 2402-Series Waste Storage Buildings, March 2013)



Photo C-6. 2403-WB (Typical of 2403-WA through WC-Series Waste Storage Buildings, including outdoor area, March 2013)



Photo C-7. 2403-WD Waste Storage Building (including outdoor area, March 2013)



Photo C-8. 2404-WA Waste Storage Building (including outdoor area, March 2013)



Photo C-9. CWC Tank D-10 Outside Storage Area (March 2013)



Photo C-10. CWC East Outside Storage Area (March 2013)



Photo C-11. CWC Shipping and Receiving Area (includes outdoor areas, March 2013)



Photo C-12. 2336-W Building Process Area (April 2012)

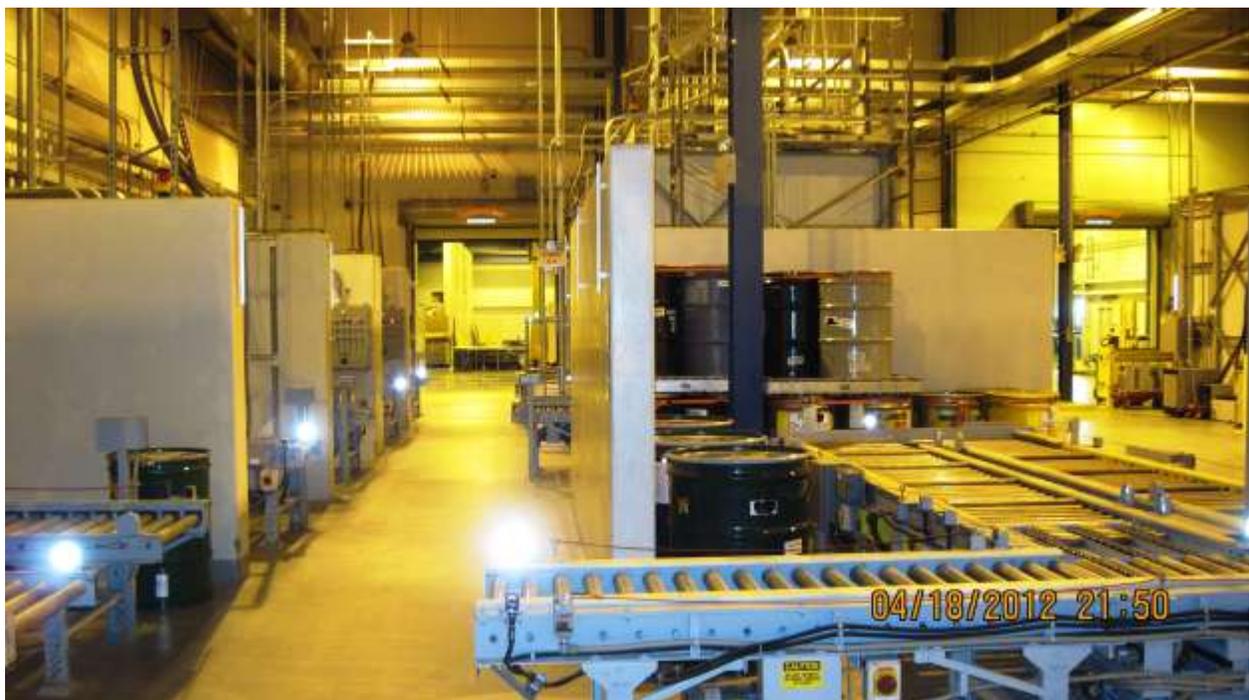


Photo C-13. 2336-W Building NDA/NDE Area (April 2012)



Photo C-14. 2336-W Building NDA/NDE Area, Outdoor Storage Area (February 2013)



Photo C-15. 2336-W Building Shipping and Receiving Area (April 2012)



Photo C-16. 2336-W Building Shipping and Receiving Area, WIPP Conveyance Staging Area (outdoor area, 2010)



Photo C-17. 2336-W Building Shipping and Receiving Area, Building 2336W Loading Dock (outdoor area, February 2013)



Photo C-18. 2336-W Building Room 152 (January 2013)



(Typical of the 2404-series buildings, including entry apron, February 2013)

Photo C-19. 2404-WC Waste Storage Building



Photo C-20. HERTR and Super-HENC Waste Outdoor Storage Area (near Super-HENC, February 2013)



Photo C-21. HERTR and Super-HENC Waste Outdoor Storage Area (near HERTR, April 2012)



Photo C-22. HERTR and Super-HENC Waste Outdoor Storage Area (near Super-HENC, February 2013)



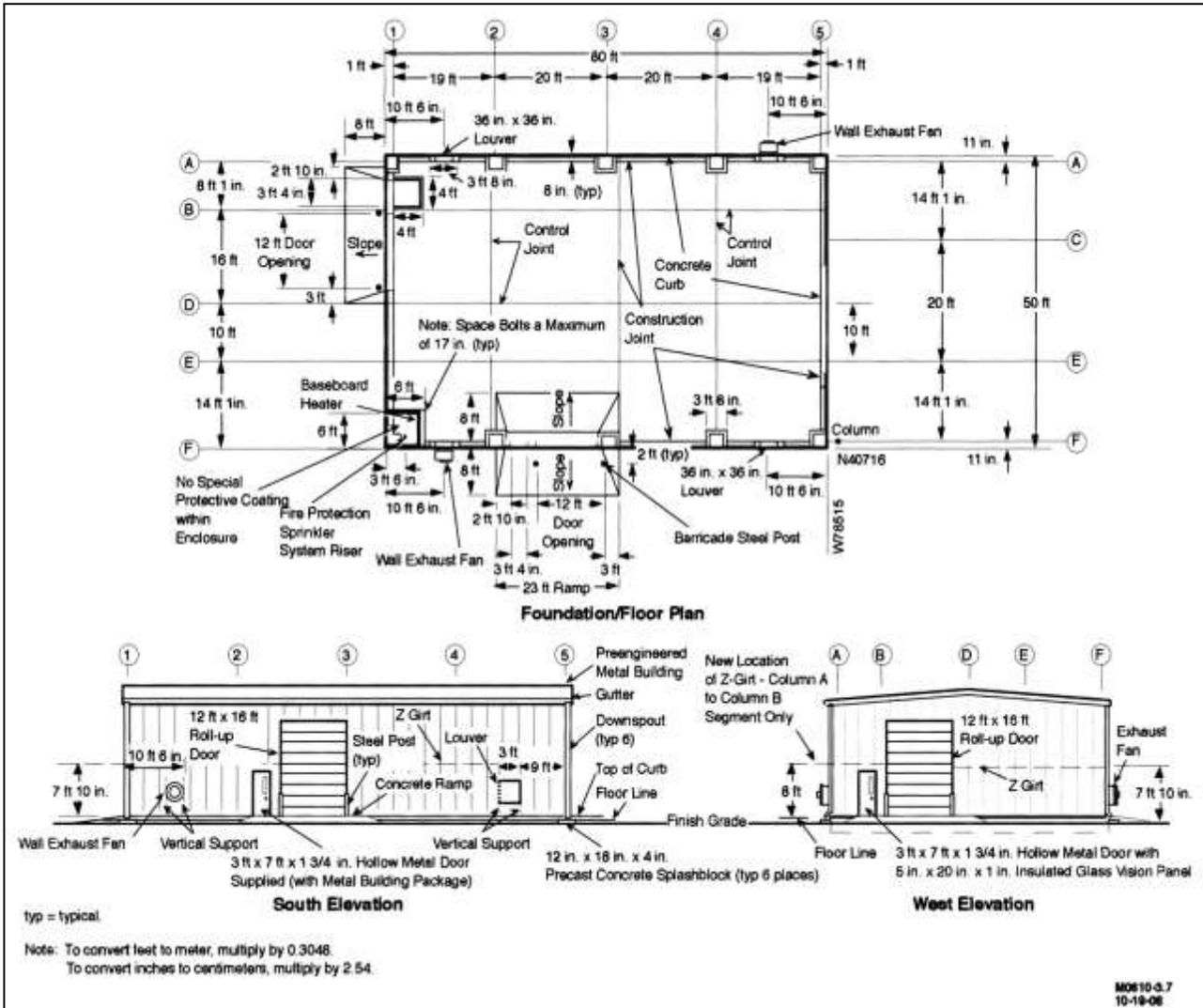
Photo C-23. CWC West Outside Storage Area A (Closing DWMU, March 2013)



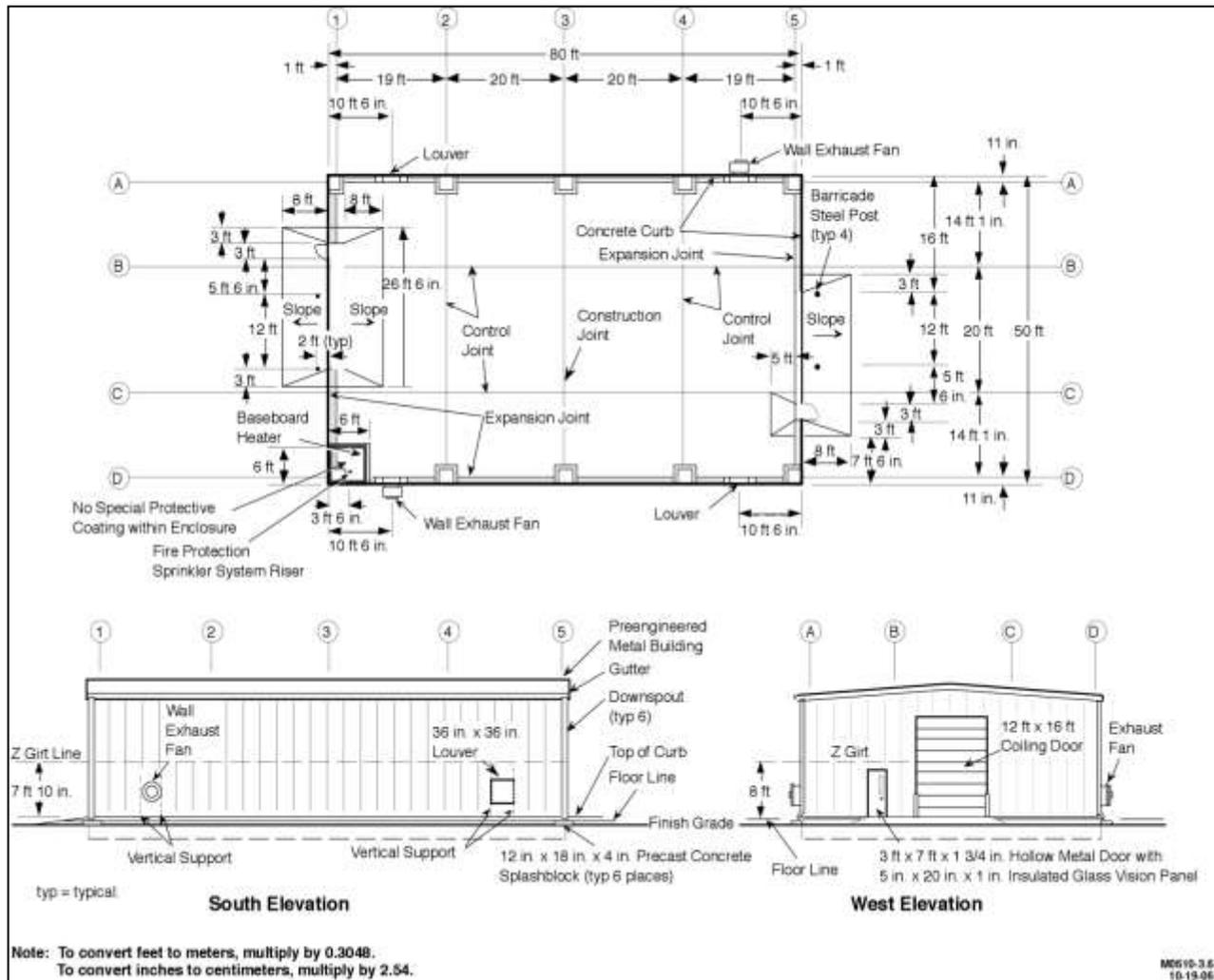
Photo C-24. CWC West Outside Storage Area B (Closing DWMU, March 2013)



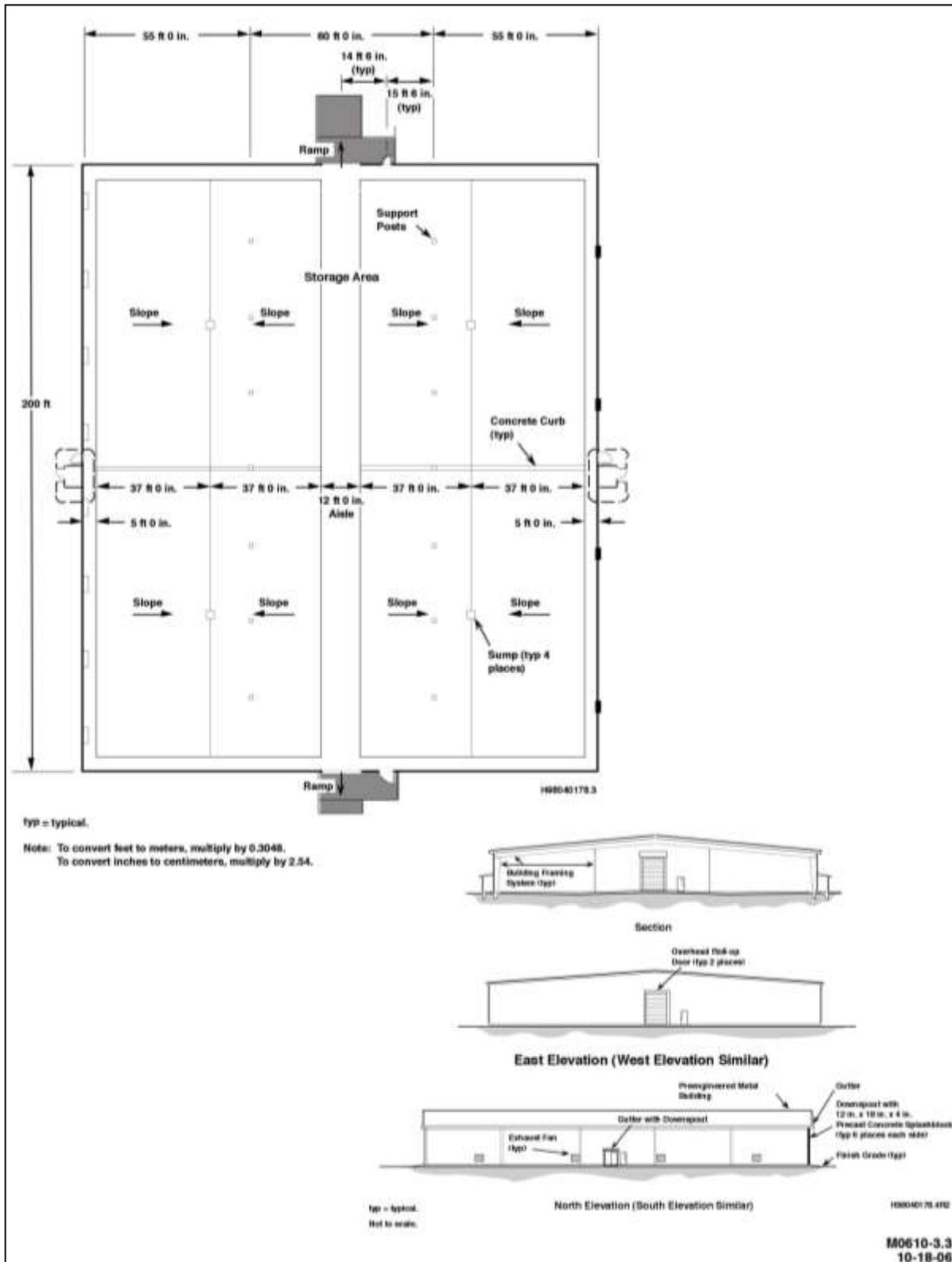
Photo C-25. CWC 2401W Waste Storage Building (Closing DWMU, September 2013)



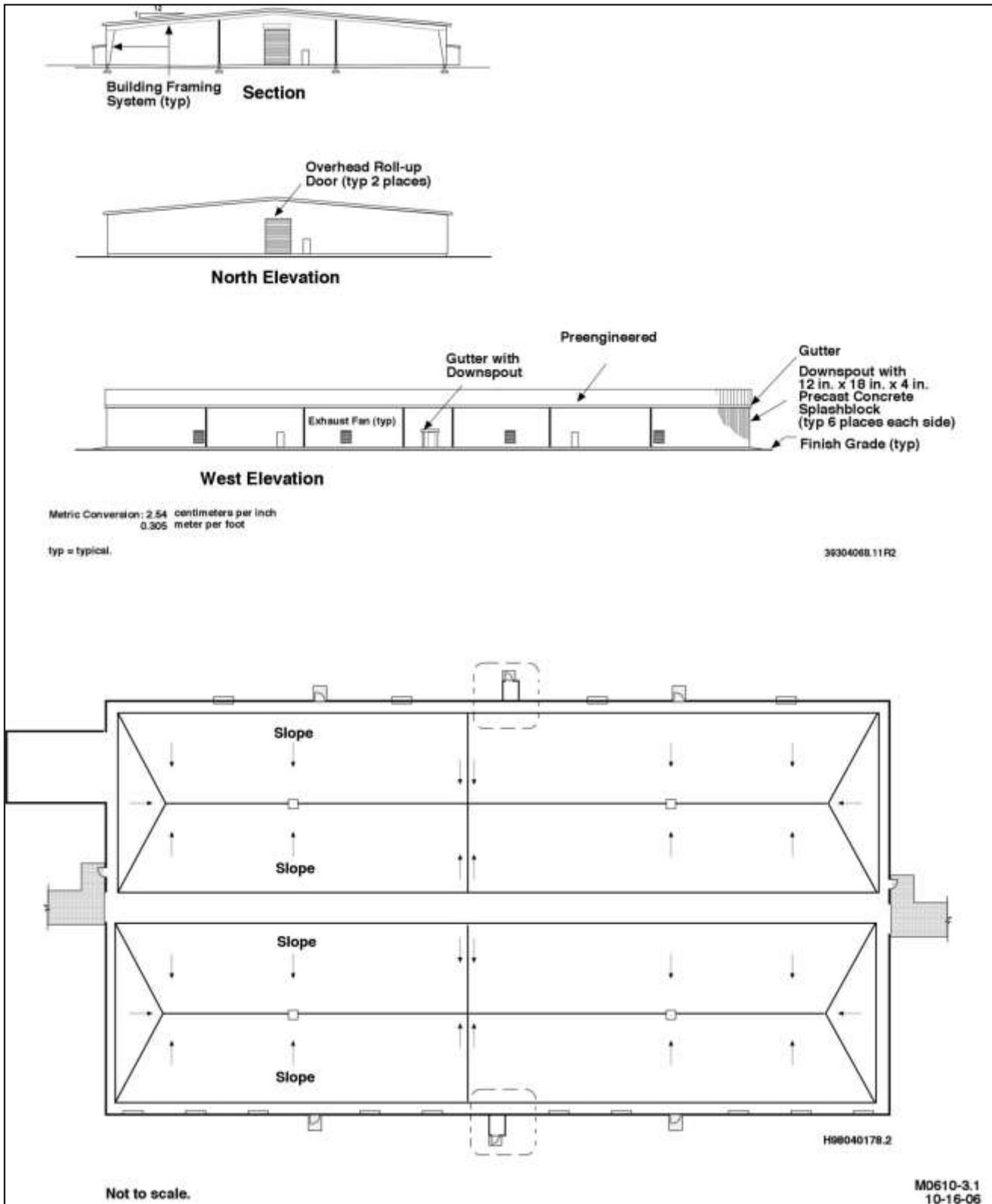
Drawing C-1. CWC 2401W Waste Storage Building Layout (Closing DWMU)



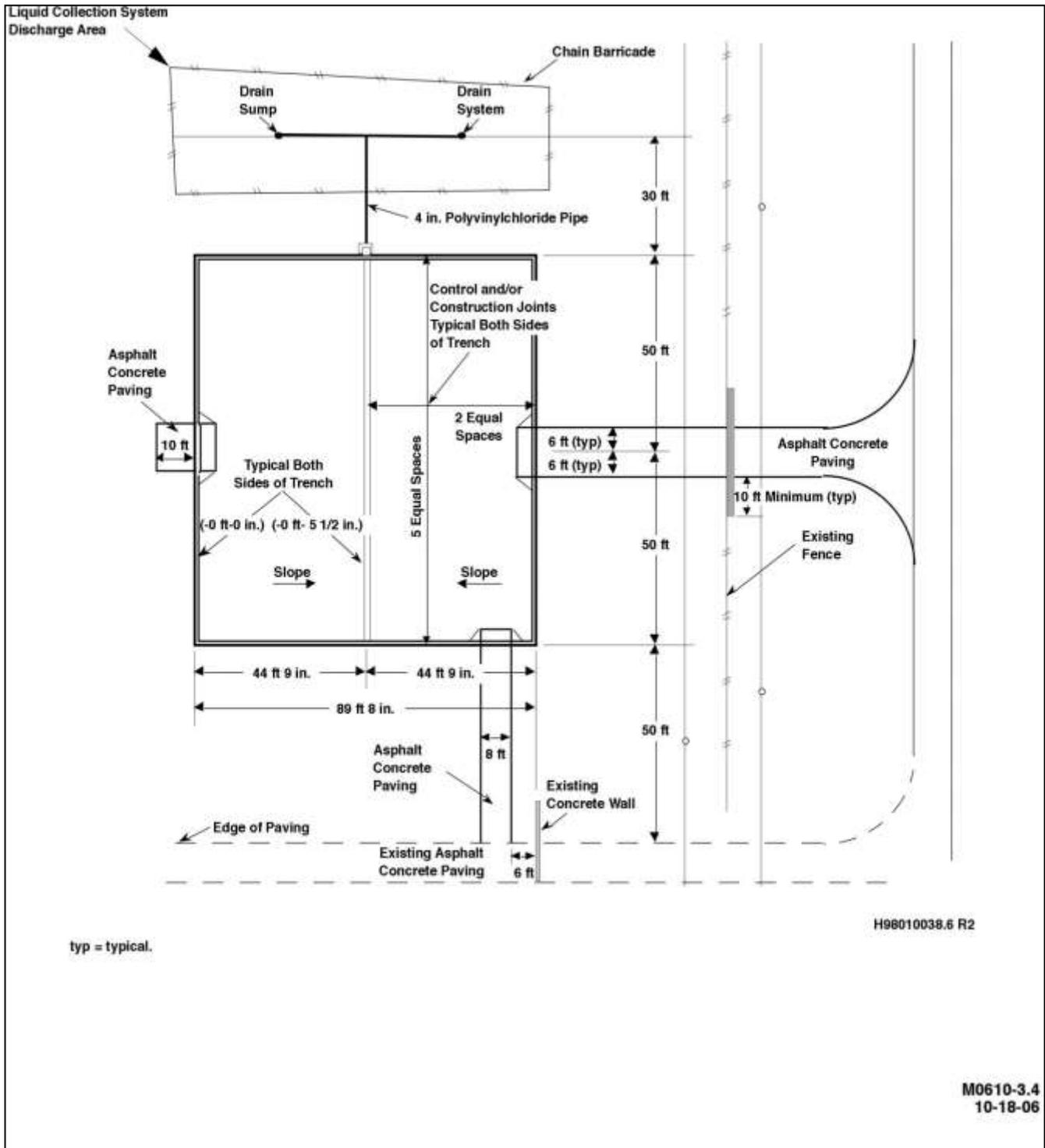
Drawing C-2. 2402-W Series Waste Storage Buildings Layout



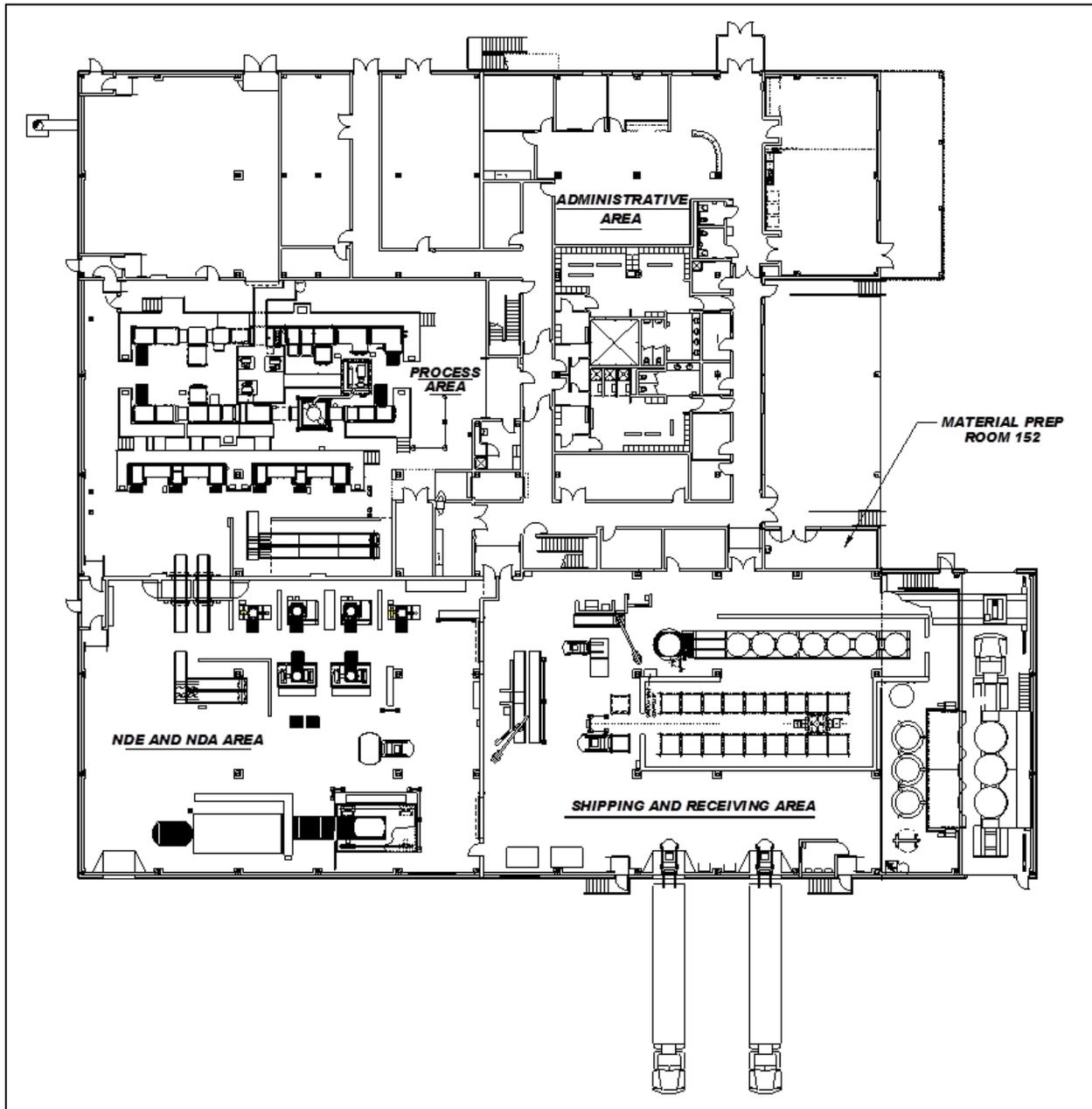
Drawing C-3. 2403-WA through WC Series Waste Storage Buildings Layout



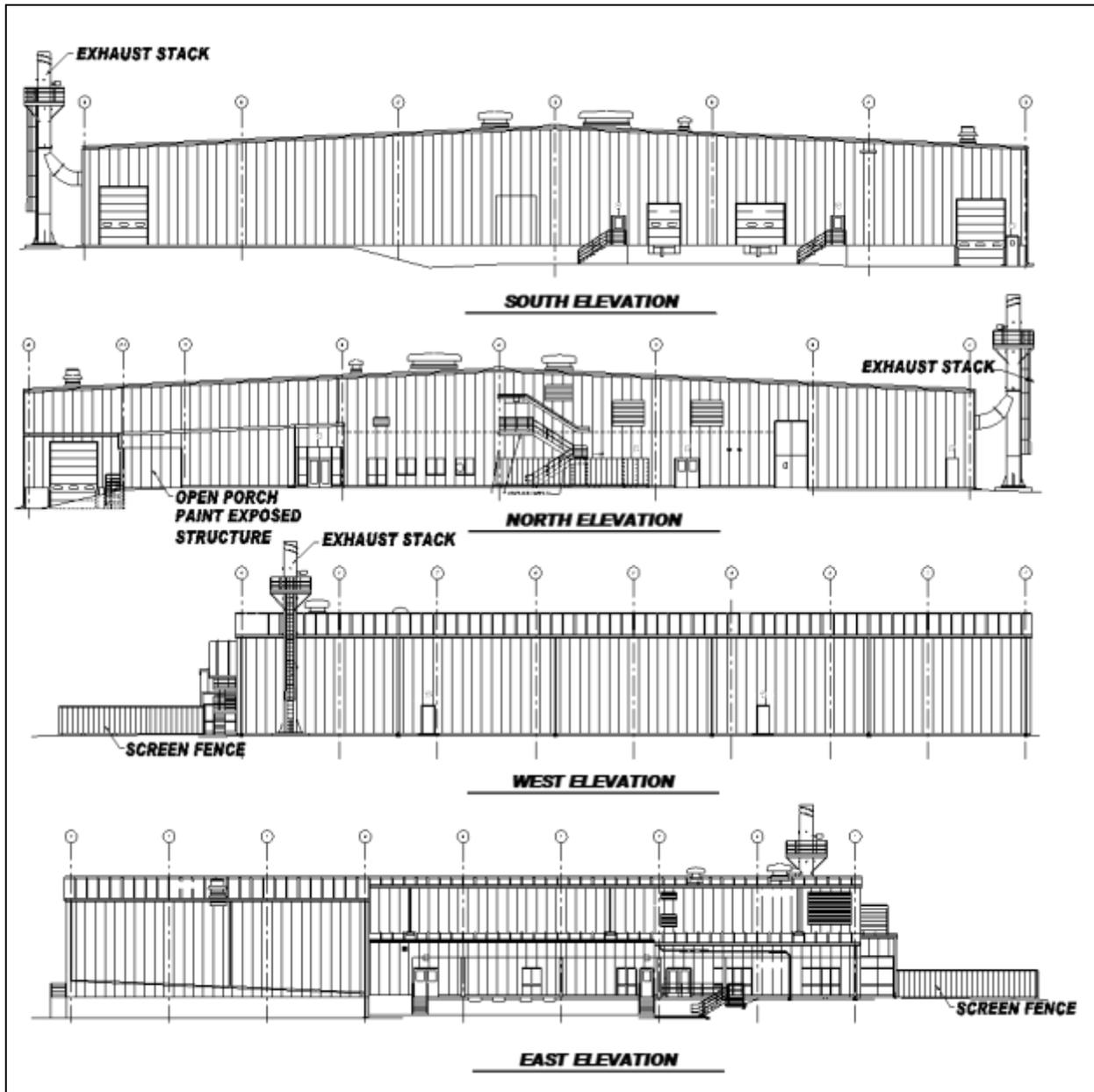
Drawing C-4. 2403-WD Waste Storage Building Layout



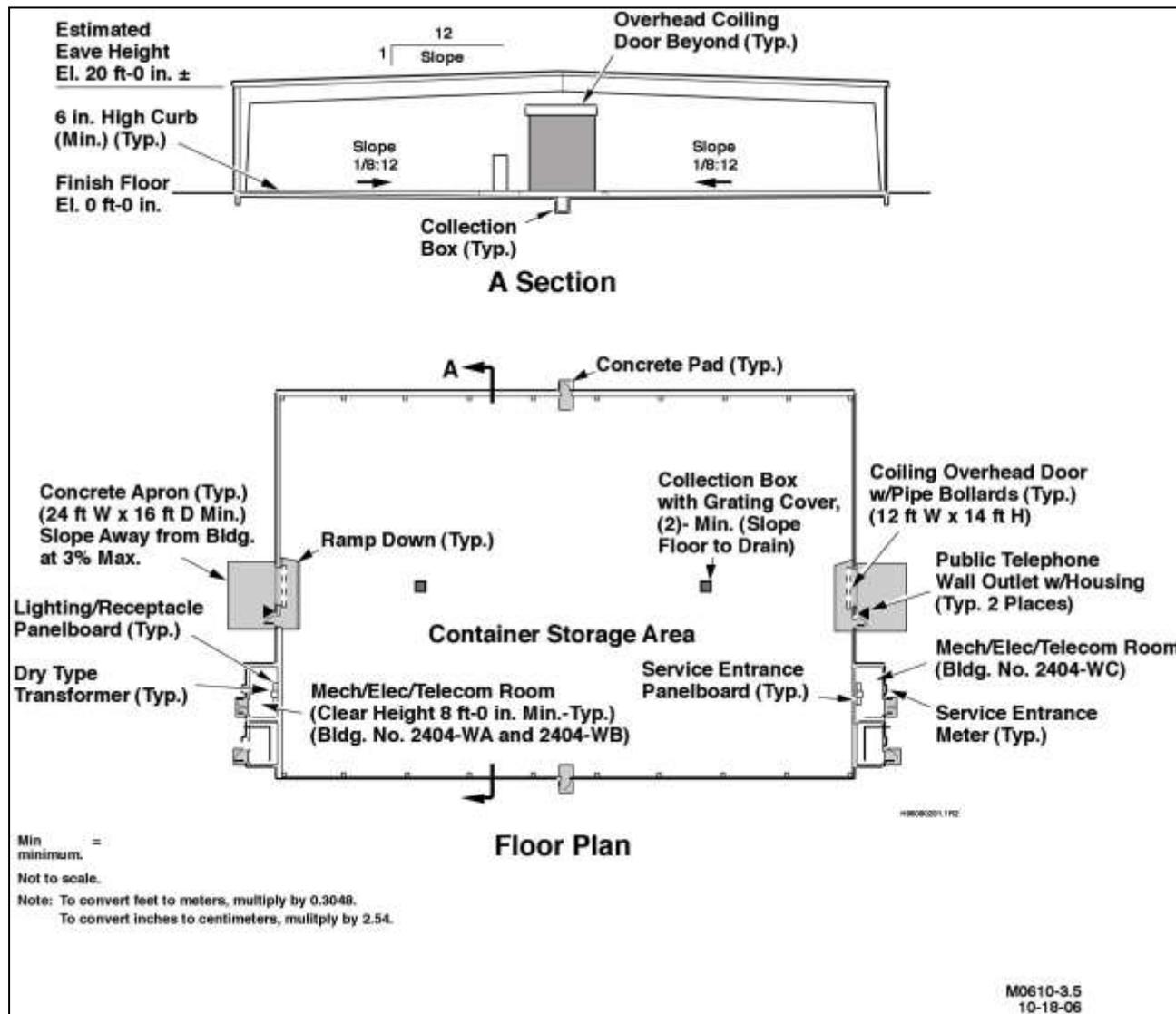
Drawing C-5. CWC East Outside Storage Area Layout



Drawing C-6. Building 2336W Layout



Drawing C-7. Building 2336W Elevations



Drawing C-8. 2404-WA and WB Waste Storage Building Layout

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