

Module 4

Containment Building

**MODULE 4
CONTAINMENT BUILDING**

4.A. APPLICABILITY

- 4.A.1. The building on Unit 106 is currently permitted to operate as a Containment Building and is subject to Module 4 and Attachment 10, Management of Waste in Containment Building.
- 4.A.2. The requirements of this module shall apply to the storage of non-containerized waste stored in the Containment Building. The Containment Building is the enclosed area of Subunit 1 of Unit 106. The Permittee shall comply with Utah Administrative Code R315-264-1100 through R315-264-1101 and all applicable conditions of this Permit.
- 4.A.3. Following the completion of a permit modification in accordance with Condition 4.I.3, the Permittee may store hazardous and non-hazardous waste in the Containment Building in accordance with the provisions in Attachment 10, Management of Waste in Containment Building.
- 4.A.4. The Permittee shall not operate the Containment Building when containers are being stored in the building. Container storage is addressed in Module 3 and Attachment 8, Container Management, of this Permit.

4.B. PERMITTED AND PROHIBITED WASTE IDENTIFICATION

- 4.B.1. The Permittee may store hazardous waste identified in Condition 2.C.1 in the Containment Building subject to the terms of this Permit and as described below:

AREA CAPACITY			
Containment Building Designation	Capacity	Description of Hazardous Waste	Hazardous Waste Codes
Enclosed Area of Subunit 1 of Unit 106	448,440 gal. or 2,583 cy.	Bulk solids, without any free liquids, having less than 500 ppmw volatile organic compound (VOC) emissions, as determined utilizing EPA Method 21.	Reference: Condition 2.C.1.

- 4.B.2. The Permittee is prohibited from storing waste identified in Condition 2.C.2 of the Permit in the Containment Building.

4.C. CONDITION OF WASTE IN THE CONTAINMENT BUILDING

- 4.C.1. The Permittee shall maintain the waste in the Containment Building in a manner that prevents contact with precipitation so that neither run-off nor leachate is generated.
- 4.C.2. The Permittee shall protect the Containment Building from surface water run-on.

4.D. SPECIAL PROVISIONS FOR IGNITABLE OR REACTIVE WASTE IN THE CONTAINMENT BUILDING

- 4.D.1. The Permittee shall not place ignitable or reactive waste in the Containment Building.

4.E. COMPATIBILITY OF WASTE

- 4.E.1. The Permittee shall not place incompatible wastes in the Containment Building, if the wastes could cause the Containment Building or secondary containment to leak, corrode or otherwise fail as specified in Utah Administrative Code R315-264-1101(a)(3).

4.F. OPERATION AND MAINTENANCE OF WASTE IN THE CONTAINMENT BUILDING

- 4.F.1. The Permittee shall maintain the waste in the Containment Building in accordance with the drawings contained in Attachment 9, Design Drawings.
- 4.F.2. The Permittee shall incorporate any modifications to any drawings in Attachment 9, Design Drawings in accordance with the permit modification requirements in Condition 1.D.
- 4.F.3. The Permittee shall comply with the provisions of Attachment 10, Management of Waste in Containment Building.
- 4.F.4. The Permittee shall not store wastes in the Containment Building higher than 9.5 feet.
- 4.F.5. The Permittee shall comply with the waste tracking provisions of Attachment 10, Management of Waste in Containment Building.

4.G. OPERATING REQUIREMENTS

- 4.G.1. Upon arrival at the facility, the Permittee shall assign a unique identifying number to each load of waste that is stored in the Containment Building. This number shall be used to track the location at the facility and all data associated with the waste.
- 4.G.2. Prior to being placed in the Containment Building and before the cover on the container is removed, the Permittee shall verify that each container or transport vehicle containing waste being considered for inclusion in the Containment Building has less than 500 ppmw VOC. The VOC concentration will be determined utilizing EPA Method 21, as specified in R315-264-1063(b)(1) (40 CFR § 60, by reference). The Permittee shall sample a minimum of one sample per container. The Permittee shall document all VOC measurements in the operating record.
- 4.G.3. If a container has a VOC concentration of 500 ppmw, or greater, the Permittee shall not store the waste in the Containment Building.
- 4.G.4. The Permittee shall verify all facility personnel measuring the VOC concentration of the containers are trained in conducting EPA Method 21. The Permittee shall incorporate verification of training into the employee's training record in accordance with Attachment 4, Personnel Training.
- 4.G.5. The Permittee shall not place incompatible waste or materials in the Containment Building unless the requirements of Condition 4.E.1 are met and that compatibility testing as provided in EPA-600/2-80-076 or ASTM D5058-90 Test Method A is conducted. The Permittee shall document all compatibility testing results in the operating record.
- 4.G.6. The Permittee shall not place hazardous waste or materials with free liquids in the Containment Building. If free liquids are documented upon off-loading, the Permittee shall immediately solidify the liquid with absorbent and document the solidification in the operating record.
- 4.G.7. The Permittee shall allow transport vehicles carrying loads of waste that are to be placed in the Containment Building to enter the building through the south truck door and exit via the north truck door.
- 4.G.7.a. The Permittee shall close the south truck door except when waste is being added to or removed from the Containment Building.
- 4.G.7.b. The Permittee shall maintain, at a minimum, a ten-foot wide truck lane on the west side of the Containment Building.
- 4.G.7.c. The Permittee shall utilize "Jersey" style barricades between the waste in the Containment Building and the truck lane. At a minimum, the barricades shall

extend five feet beyond the northern-most point of the waste in the Containment Building.

- 4.G.7.d. The Permittee shall not store waste in the northern most 40 feet of the Containment Building. The 40-foot mark shall be marked on the floor of the Containment Building. This area shall be used for truck access for the loading and unloading of waste and shall remain clean at all times.
- 4.G.7.e. The Permittee shall place waste in the Containment Building starting from the south end.
- 4.G.7.f. Prior to bringing a vehicle into the building, the Permittee shall maintain the truck lane and the area north of the waste in the Containment Building in a clean manner to ensure that waste will not contact the tires of the transport vehicle.
- 4.G.7.g. The Permittee shall maintain the floor in a clean manner a minimum of five feet beyond the rear of the transport vehicle.
- 4.G.7.h. The Permittee shall maintain the working face of the waste in the Containment Building is approximately perpendicular to the longitudinal axis of the building, therefore minimizing the risk of contact with the transport vehicle.
- 4.G.7.i. The Permittee shall not allow the toe of the waste in the Containment Building to exceed six inches in height measured at the concrete berm and the point of contact with the Jersey style truck lane barricade.
- 4.G.8. The Permittee shall immediately clean up any waste that spills outside of the concrete zone onto compacted soil between the containment area and the walls of the Containment Building. The Permittee shall document the location of all spills on a plan view drawing of the Containment Building and incorporate the drawing into the operating record.
- 4.G.9. The Permittee shall minimize tracking of waste from the area by, prior to the vehicle leaving the building, replacing the cover on all containers or end dumps and cleaning the exterior of the transport vehicle and waste container. The waste cleaned off will be swept up prior to the vehicle leaving the building. All waste from the cleaning process will be managed as hazardous waste.
- 4.G.10. The Permittee shall inspect all containers and transport vehicles for cleanliness by the north truck door through which the vehicle/container exits. The Permittee shall inspect each vehicle that exits the Containment Building and incorporate the results of the inspection into the operating record. The inspection parameters shall include at a minimum: barcode/tracking number (unique identifier); truck number, whether vehicle and the container are clean; whether the container is properly closed; the inspector's name; and the date and time when the inspection occurred.

- 4.G.11. The Permittee shall station a pressure washer by the north truck door of the Containment Building. Should waste exit the Containment Building on a transport vehicle, the Permittee shall decontaminate the vehicle with the pressure washer or other tools as necessary. The Permittee shall remove any water and waste accumulated as a result of the decontamination procedures prior to the end of the shift in which it was accumulated. The Permittee shall manage any rinsate and sediment as hazardous waste.
- 4.G.12. Waste stored in the Containment Building that are in polypropylene sacks are subject to the requirements of Section 4.0 of Attachment 10.

4.H. CONTAINMENT

- 4.H.1. The Permittee shall operate and maintain the concrete containment system so that it is free of both cracks and gaps and is sufficiently impervious to contain leaks, spills, and accumulated precipitation until the collected material is detected and removed.
- 4.H.2. When the facility is staffed, the Permittee shall empty all liquids from the secondary containment areas immediately, but no later than 24 hours after discovery. The Permittee shall manage all liquids and other materials collected from a sump or secondary containment area as a hazardous waste.

4.I. CLOSURE OF CONTAINMENT BUILDING

- 4.I.1. The Permittee shall close the Containment Building by removing all hazardous waste and hazardous waste residues from the floor in accordance with the procedures in the Closure Plan (Attachment 7) and as specified in R315-264-110 through R315-264-120 and R315-264-1102.
- 4.I.2. If the Permittee wishes to discontinue the operation of the Containment Building and return the enclosed portion of Unit 106 to container storage, the Permittee shall submit a Class 1 permit modification request upon completion of the steps specified in Condition 4.I.1.
- 4.I.3. If the Permittee wishes to commence operation of the Containment Building, changing the service in the building from container storage to a Containment Building, the Permittee shall submit a Class 1 permit modification that does not require prior written approval from the Director.