

# **MODULE III**

## **Containers**

## MODULE III - CONTAINERS

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## MODULE III - CONTAINERS

### III.A. APPLICABILITY

- III.A.1. This module shall regulate storage of hazardous waste in containers at U.S. Army Dugway Proving Ground (DPG). The Permittee shall comply with Utah Administrative Code (Utah Admin. Code) R315-264-170 – 264-178 and all conditions of this Module.
- III.A.2. The designated hazardous waste storage areas at the Central Hazardous Waste Storage Facility (CHWSF) are the sixteen bays and five chemical storage cabinets in the Container Storage Building.

### III.B. PERMITTED AND PROHIBITED WASTE IDENTIFICATION

- III.B.1. The Permittee may store the following hazardous wastes codes, listed by the State of Utah, in containers at the CHWSF subject to the terms of this Permit:

D001, D002, D003, D004, D005, D006, D007, D008, D009, D010, D011, D012, D013, D014, D015, D016, D017, D018, D019, D020, D021, D022, D023, D024, D025, D026, D027, D028, D029, D030, D031, D032, D033, D034, D035, D036, D037, D038, D039, D040, D041, D042, D043

F001, F002, F003, F004, F005, F027, F999

P001, P002, P003, P004, P005, P006, P007, P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P020, P021, P022, P023, P024, P026, P027, P028, P029, P030, P031, P033, P034, P036, P037, P038, P039, P040, P041, P042, P043, P044, P045, P046, P047, P048, P049, P050, P051, P054, P056, P057, P058, P059, P060, P062, P063, P064, P065, P066, P067, P068, P069, P070, P071, P072, P073, P074, P075, P076, P077, P078, P081, P082, P084, P085, P087, P088, P089, P092, P093, P094, P095, P096, P097, P098, P099, P101, P102, P103, P104, P105, P106, P108, P109, P110, P111, P112, P113, P114, P115, P116, P118, P119, P120, P121, P122, P123, P999

U001, U002, U003, U004, U005, U006, U007, U008, U009, U010, U011, U012, U014, U015, U016, U017, U018, U019, U020, U021, U022, U023, U024, U025, U026, U027, U028, U029, U030, U031, U032, U033, U034, U035, U036, U037, U038, U039, U041, U042, U043, U044, U045, U046, U047, U048, U049, U050, U051, U052, U053, U055, U056, U057, U058, U059, U060, U061, U062, U063, U064, U066, U067, U068, U069, U070, U071, U072, U073, U074, U075, U076, U077, U078, U079, U080, U081, U082, U083, U084, U085, U086, U087, U088, U089, U090, U091, U092, U093, U094, U095, U096, U097, U098, U099, U101, U102, U103, U105, U106, U107, U108, U109, U110, U111, U112, U113, U114, U115, U116, U117, U118, U119, U120, U121, U122, U123, U124, U125, U126, U127, U128, U129, U130, U131, U132, U133, U134, U135, U136, U137, U138, U140, U141, U142, U143, U144, U145, U146, U147, U148, U149, U150, U151, U152, U153, U154, U155, U156, U157, U158, U159, U160, U161, U162, U163, U164, U165, U166, U167, U168, U169, U170, U171, U172, U173, U174, U176, U177, U178, U179, U180, U181, U182, U183, U184, U185, U186, U187, U188, U189, U190, U191, U192, U193, U194, U196, U197, U200, U201, U202, U203, U204, U205, U206, U207, U208, U209, U210, U211, U213, U214, U215, U216, U217, U218, U219, U220,

U221, U222, U223, U225, U226, U227, U228, U234, U235, U236, U237, U238, U239, U240, U243, U244, U246, U247, U248, U249, U279, U328, U353, U359, U404.

- III.B.2. The Permittee is prohibited from storing hazardous waste that is not identified in Condition III.B.1. Addition of hazardous waste codes to Condition III.B.1 of this permit requires modification of the permit as required by Utah Admin. Code R315-270-42.
- III.B.3. Prohibited Wastes. The Permittee is prohibited from storing compressed gas cylinders and mixed waste, and the Permittee is prohibited from storing explosives and pure “neat”, dilute, or off specification chemical agent that has not been detoxified at the CHWSF.

### **III.C. CONDITION OF CONTAINERS**

- III.C.1. If a container holding hazardous waste at the CHWSF is not in good condition (e.g., severe rusting, apparent structural defects) or if it begins to leak, the Permittee shall transfer the hazardous waste, or the container itself, to a Department of Transportation (DOT) approved container in accordance with Attachment 1-9, as soon as possible but not later than twenty-four (24) hours from the time the problem was discovered. The Permittee must also follow the plans in Attachment 1-9, for spill prevention and cleanup.

### **III.D. COMPATIBILITY OF WASTE WITH CONTAINERS**

- III.D.1. The Permittee shall assure that the waste is compatible with the containers as required by Utah Admin. Code R315-264-172. The types of containers to be used for storage are listed in Attachment 1-9, Figures 2-3.
- III.D.2. The Permittee must safely segregate incompatible wastes. Guidance in determining compatibility of wastes can be found in “A Method for Determining the Compatibility of Hazardous Wastes” (EPA-600/2-80-076). Compatibility of Hazardous Waste is referenced in Attachment 1-9, Section 2.1 Description of Containers and 2.2 Drum Handling.

### **III.E. MANAGEMENT OF CONTAINERS**

- III.E.1. At the CHWSF, the Permittee shall keep all containers closed during storage, except when it is necessary to add or remove waste, and shall not open, handle, or store containers in a manner which may rupture the container or cause it to leak Utah Admin. Code R315-264-173.
- III.E.2. The Permittee shall manage containers as specified in Attachment 1-9.
- III.E.3. At the CHWSF-the Permittee shall store all containers on pallets and shall not stack containers in any bay more than two containers high. The Permittee may use shelving for storage of containers. The Permittee shall store containers in the storage cabinets as specified in Attachment 1-9 of this permit and shall not exceed the storage specifications of each cabinet.
- III.E.4. The Permittee shall comply with Utah Admin. Code R315-268 for proper storage of wastes under the land disposal restrictions. The Permittee shall record in the operating

record any wastes that are stored for a period of time exceeding one year. Justification for storage of wastes beyond one year must be included in the operating record.

**III.F. CONTAINMENT SYSTEMS**

The Permittee shall maintain the containment system in accordance with the attached plans and specifications, contained in Attachment 1-9 and the facility drawings in Attachment 1-5, and as specified in Utah Admin. Code R315-264-175.

III.F.1. The Permittee shall use the container management areas and the Permittee shall use the stacking configurations as shown on the drawings listed below:

III.F.1.a. The facility drawings in Attachment 1-5 present the details of construction of the CHWSF. Attachment 1-9 presents container-stacking configurations for the CHWSF.

III.F.1.b. Attachment 1-9 presents container-stacking configurations for CHWSF.

III.F.1.c. At capacity, the Permittee may store the following volumes of wastes:

III.F.1.c.1. CHWSF - 24,640 gallons in the sixteen (16) bays and 240 gallons in the five chemical storage cabinets with a total capacity of 24,880 gallons.

III.F.2. Container management areas (the location of the sumps in the CHWSF is shown in the facility drawings in Attachment 1-5) shall be inspected for the presence of free liquids in accordance with Attachments 1-3 and 1-9. If liquids are discovered in the sumps or other containment area, the Permittee shall record the location of the release in the inspection log. Any liquids discovered shall be removed and managed according to the spill contingency plan outlined in Attachment 1-7.

III.F.3. For purposes of inspections, all containers stored in the liquid hazardous waste storage area shall be considered full to their respective capacities with liquid hazardous waste.

**III.G. SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTE**

III.G.1. The Permittee shall not locate containers holding ignitable or reactive waste within fifteen (15) meters [fifty (50) feet] of the Facility boundary as required by Utah Admin. Code R315-264-176.

III.G.2. The Permittee shall take precautions to prevent accidental ignition or reaction of ignitable or reactive waste and follow the procedures specified in Attachments 1-9 and Utah Admin. Code R315-264-17(a) and Condition II.G.

**III.H. SPECIAL REQUIREMENTS FOR INCOMPATIBLE WASTE**

III.H.1. The Permittee shall not place hazardous waste in an unwashed container that previously held an incompatible waste or material as specified in Utah Admin. Code R315-264-17(b).

III.H.2. The Permittee shall not place incompatible wastes, or incompatible wastes and materials, as specified in Utah Admin. Code R315-264-17(b), in a container unless the container is washed, or the container is empty and is fitted with a disposable liner.

III.H.3. Where wastes are placed into a container not fitted with a disposal liner and the container previously held an incompatible waste or material, the Permittee must document compliance with Condition III.H.2, as required by Utah Admin. Code R315-264-17(c) and must place this documentation in the operating records.

**III.I. IDENTIFICATION OF LOCATION OF CONTAINERS IN THE OPERATING RECORD**

III.I.1. The Permittee shall follow the plan for tracking of waste at the CHWSF as presented in the CHWSF part of Attachment 1-9, Section 2.2.

III.I.2. The Permittee shall follow the plans in Attachment 1-9 for identification and labeling of containers.

**III.J. MAINTENANCE OF THE CONTAINER MANAGEMENT AREA**

III.J.1. The Permittee shall maintain the container management areas in accordance with the details located in the drawings for the CHWSF provided in Attachment 1-9 and the drawings in Attachment 1-5.

**III.K. INSPECTION SCHEDULES AND PROCEDURES**

III.K.1. The Permittee shall inspect the container storage areas at the CHWSF weekly, as specified by Utah Admin. Code R315-264-174 and as required by Utah Admin. Code R315-264-15. The purpose of this inspection shall be to detect leaking containers, deterioration of containers, and deterioration of the secondary containment system caused by corrosion and other factors as specified in Utah Admin. Code R315-264-174.

III.K.2. If any problem is observed during the inspections described in Condition II.E of this permit, the Permittee must correct the problem as specified in Utah Admin. Code R315-264-15(c) and (d), and Attachment 1-9.

III.K.3. When loading and unloading activities are occurring, the container storage area shall be inspected daily. The Permittee shall document inspections.

**III.L. RECORDKEEPING**

III.L.1. The Permittee shall place the results of all waste analyses, trial tests, and any other documentation showing compliance with the requirements of Condition III.K, Utah Admin. Code R315-264-177, and Utah Admin. Code R315-264-17(b) in the facility operating records as specified in Utah Admin. Code R315-264-73. The Permittee shall maintain compliance with Condition II.E as it provides the basis for correcting problems identified during inspections of container management areas.

**III.M.            CLOSURE**

III.M.1.            At closure of any container area, the Permittee shall remove all hazardous waste and hazardous waste residues from the containment system, in accordance with the procedures in the Closure and Post Closure Plan, Attachment 1-8 and as specified in Utah Admin. Code R315-264-110 – 264-120 and Utah Admin. Code R315-264-178.

**III.N.            OTHER CONDITIONS**

III.N.1.            SUBPART BB and SUBPART CC

The Permittee may apply for an exemption from the air emission requirements of Utah Admin. Code R315-264-1050 - 264-1065 and Utah Admin. Code R315-264-1080 – 264-1091 as indicated in Permit Condition II.C.7. However, if operations or procedures change so as to render applicable waste management unit(s) subject to the requirements, a modification request must be submitted to include compliance plans. The CHWSF is currently subject to these requirements.