

## § 267.174

the containers are elevated or are otherwise protected from contact with accumulated liquids.

(3) The containment system must have sufficient capacity to contain 10% of the volume of containers, or the volume of the largest container, whichever is greater. This requirement does not apply to containers that do not contain free liquids.

(4) You must prevent run-on into the containment system unless the collection system has sufficient excess capacity, in addition to that required in paragraph (b)(3) of this section, to contain the liquid.

(5) You must remove any spilled or leaked waste and accumulated precipitation from the sump or collection area as promptly as is necessary to prevent overflow of the collection system.

(c) Except as provided in paragraph (d) of this section, you do not need a containment system as defined in paragraph (b) of this section for storage areas that store containers holding only wastes with no free liquids, if:

(1) The storage area is sloped or is otherwise designed and operated to drain and remove liquid resulting from precipitation; or

(2) The containers are elevated or are otherwise protected from contact with accumulated liquid.

(d) You must have a containment system defined by paragraph (b) of this section for storage areas that store containers holding FO20, FO21, FO22, FO23, FO26, and FO27 wastes, even if the wastes do not contain free liquids.

### § 267.174 What special requirements must I meet for ignitable or reactive waste?

You must locate containers holding ignitable or reactive waste at least 15 meters (50 feet) from your facility property line. You must also follow the general requirements for ignitable or reactive wastes that are specified in § 267.17(a).

### § 267.175 What special requirements must I meet for incompatible wastes?

(a) You must not place incompatible wastes, or incompatible wastes and materials (see appendix V to 40 CFR part 264 for examples), in the same con-

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tainer, unless you comply with § 267.17(b).

(b) You must not place hazardous waste in an unwashed container that previously held an incompatible waste or material.

(c) You must separate a storage container holding a hazardous waste that is incompatible with any waste or with other materials stored nearby in other containers, piles, open tanks, or surface impoundments from the other materials, or protect the containers by means of a dike, berm, wall, or other device.

### § 267.176 What must I do when I want to stop using the containers?

You must remove all hazardous waste and hazardous waste residues from the containment system. You must decontaminate or remove remaining containers, liners, bases, and soil containing, or contaminated with, hazardous waste or hazardous waste residues.

### § 267.177 What air emission standards apply?

You must manage all hazardous waste placed in a container according to the requirements of subparts AA, BB, and CC of 40 CFR part 264. Under a standardized permit, the following control devices are permissible: Thermal vapor incinerator, catalytic vapor incinerator, flame, boiler, process heater, condenser, and carbon absorption unit.

## Subpart J—Tank Systems

### § 267.190 Does this subpart apply to me?

This subpart applies to you if you own or operate a facility that treats or stores hazardous waste in above-ground or on-ground tanks under a 40 CFR part 270 subpart J standardized permit, except as provided in § 267.1(b).

(a) You do not have to meet the secondary containment requirements in § 267.195 if your tank systems do not contain free liquids and are situated inside a building with an impermeable floor. You must demonstrate the absence or presence of free liquids in the stored/treated waste, using Method

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9095B (Paint Filter Liquids Test) as described in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication SW-846, as incorporated by reference in 40 CFR 260.11.

(b) You do not have to meet the secondary containment requirements of § 267.195(a) if your tank system, including sumps, as defined in 40 CFR 260.10, is part of a secondary containment system to collect or contain releases of hazardous wastes.

### **§ 267.191 What are the required design and construction standards for new tank systems or components?**

You must ensure that the foundation, structural support, seams, connections, and pressure controls (if applicable) are adequately designed and that the tank system has sufficient structural strength, compatibility with the waste(s) to be stored or treated, and corrosion protection to ensure that it will not collapse, rupture, or fail. You must obtain a written assessment, reviewed and certified by an independent, qualified registered professional engineer, following 40 CFR 270.11(d), attesting that the tank system has sufficient structural integrity and is acceptable for the storing and treating of hazardous waste. This assessment must include, at a minimum, the following information:

(a) Design standard(s) for the construction of tank(s) and/or the ancillary equipment.

(b) Hazardous characteristics of the waste(s) to be handled.

(c) For new tank systems or components in which the external shell of a metal tank or any external metal component of the tank system will be in contact with the soil or with water, a determination by a corrosion expert of:

(1) Factors affecting the potential for corrosion, such as:

(i) Soil moisture content.

(ii) Soil pH.

(iii) Soil sulfides level.

(iv) Soil resistivity.

(v) Structure to soil potential.

(vi) Existence of stray electric current.

(vii) Existing corrosion-protection measures (for example, coating, cathodic protection).

(2) The type and degree of external corrosion protection needed to ensure the integrity of the tank system during the use of the tank system or component, consisting of one or more of the following:

(i) Corrosion-resistant materials of construction such as special alloys, fiberglass reinforced plastic, etc.

(ii) Corrosion-resistant coating (such as epoxy, fiberglass, etc.) with cathodic protection (for example, impressed current or sacrificial anodes) and

(iii) Electrical isolation devices such as insulating joints, flanges, etc.

(d) Design considerations to ensure that:

(1) Tank foundations will maintain the load of a full tank.

(2) Tank systems will be anchored to prevent flotation or dislodgment where the tank system is placed in a saturated zone, or is located within a seismic fault zone subject to the standards of § 267.18(a).

(3) Tank systems will withstand the effects of frost heave.

### **§ 267.192 What handling and inspection procedures must I follow during installation of new tank systems?**

(a) You must ensure that you follow proper handling procedures to prevent damage to a new tank system during installation. Before placing a new tank system or component in use, an independent, qualified installation inspector or an independent, qualified, registered professional engineer, either of whom is trained and experienced in the proper installation of tank systems or components, must inspect the system for the presence of any of the following items:

(1) Weld breaks.

(2) Punctures.

(3) Scrapes of protective coatings.

(4) Cracks.

(5) Corrosion.

(6) Other structural damage or inadequate construction/installation.

(b) You must remedy all discrepancies before the tank system is placed in use.

### **§ 267.193 What testing must I do?**

You must test all new tanks and ancillary equipment for tightness before