

§ 267.1103

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§ 267.1103 What additional design and operating standards apply if liquids will be in my containment building?

If your containment building will be used to manage hazardous wastes containing free liquids or treated with free liquids, as determined by the paint filter test, by a visual examination, or by other appropriate means, you must include:

(a) A primary barrier designed and constructed of materials to prevent the migration of hazardous constituents into the barrier (for example, a geomembrane covered by a concrete wear surface).

(b) A liquid collection and removal system to minimize the accumulation of liquid on the primary barrier of the containment building.

(1) The primary barrier must be sloped to drain liquids to the associated collection system; and

(2) You must collect and remove liquids and waste to minimize hydraulic head on the containment system at the earliest practicable time.

(c) A secondary containment system, including a secondary barrier designed and constructed to prevent migration of hazardous constituents into the barrier, and a leak detection system capable of detecting failure of the primary barrier and collecting accumulated hazardous wastes and liquids at the earliest practical time.

(1) You may meet the requirements of the leak detection component of the secondary containment system by installing a system that is, at a minimum:

(i) Constructed with a bottom slope of 1 percent or more; and

(ii) Constructed of a granular drainage material with a hydraulic conductivity of 1×10^{-2} cm/sec or more and a thickness of 12 inches (30.5 cm) or more, or constructed of synthetic or geonet drainage materials with a transmissivity of 3×10^{-5} m²/sec or more.

(2) If you will be conducting treatment in the building, you must design the area in which the treatment will be conducted to prevent the release of liquids, wet materials, or liquid aerosols to other portions of the building.

(3) You must construct the secondary containment system using materials

that are chemically resistant to the waste and liquids managed in the containment building and of sufficient strength and thickness to prevent collapse under the pressure exerted by overlaying materials and by any equipment used in the containment building.

§ 267.1104 How may I obtain a waiver from secondary containment requirements?

Notwithstanding any other provision of this subpart, the Regional Administrator may waive requirements for secondary containment for a permitted containment building where:

(a) You demonstrate that the only free liquids in the unit are limited amounts of dust suppression liquids required to meet occupational health and safety requirements, and

(b) Containment of managed wastes and dust suppression liquids can be assured without a secondary containment system.

§ 267.1105 What do I do if my containment building contains areas both with and without secondary containment?

For these containment buildings, you must:

(a) Design and operate each area in accordance with the requirements enumerated in §§ 267.1101 through 267.1103.

(b) Take measures to prevent the release of liquids or wet materials into areas without secondary containment.

(c) Maintain in the facility's operating log a written description of the operating procedures used to maintain the integrity of areas without secondary containment.

§ 267.1106 What do I do if I detect a release?

Throughout the active life of the containment building, if you detect a condition that could lead to or has caused a release of hazardous waste, you must repair the condition promptly, in accordance with the following procedures.

(a) Upon detection of a condition that has led to a release of hazardous waste (for example, upon detection of leakage from the primary barrier), you must:

(1) Enter a record of the discovery in the facility operating record;