



## Ohio Administrative Code

### Rule 3745-267-903 Additional design and operating standards if liquids are in the containment building - standardized permitting.

Effective: [March 7, 2025](#)

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If the containment building is used to manage hazardous wastes containing free liquids or hazardous wastes treated with free liquids, as determined by the paint filter test, by a visual examination, or by other appropriate means, the owner or operator shall 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 shall be sloped to drain liquids to the associated collection system; and
  - (2) The owner or operator, at the earliest practicable time, shall collect and remove liquids and waste to minimize hydraulic head on the containment system.
- (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) The owner or operator may meet the requirements of the leak detection component of the secondary containment system by installing a system that is, at a minimum:
    - (a) Constructed with a bottom slope of one per cent or more; and
    - (b) Constructed of a granular drainage material with a hydraulic conductivity of  $1.0 \times 10^{-2}$  centimeters per second (cm/sec) or more and a thickness of twelve inches (30.5 cm) or more, or constructed of synthetic or geonet drainage materials with a transmissivity of  $3.0 \times 10^{-5} \text{ m}^2 \text{ sec}$  or



more.

(2) If the owner or operator is conducting treatment in the building, the owner or operator shall 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) The owner or operator shall 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.