



## Ohio Administrative Code

### Rule 3745-267-901 Design and operating standards - containment buildings - standardized permitting.

Effective: [March 7, 2025](#)

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The containment building shall comply with the design and operating standards in this rule. Ohio EPA will consider standards established by professional organizations generally recognized by the industry such as the American concrete institute and the American society of testing materials in judging the structural integrity requirements of this rule.

(A) The containment building shall be completely enclosed with a floor, walls, and a roof to prevent exposure to the elements, (e.g., precipitation, wind, run-on), and to assure containment of managed wastes.

(B) The floor and containment walls of the unit, including the secondary containment system, if required under rule 3745-267-903 of the Administrative Code, shall be designed and constructed of man-made materials of sufficient strength and thickness to:

(1) Support the floor, containment walls of the unit, the secondary containment system (if required), the waste contents, and any personnel and heavy equipment that operates within the unit.

(2) Prevent failure due to:

(a) Pressure gradients, settlement, compression, or uplift;

(b) Physical contact with the hazardous wastes to which the floor, containment walls of the unit, and the secondary containment system (if required) are exposed;

(c) Climatic conditions;

(d) Stresses of daily operation, including the movement of heavy equipment within the unit and contact of such equipment with containment walls; and



(e) Collapse or other failure.

(C) All surfaces to be in contact with hazardous wastes shall be chemically compatible with those wastes.

(D) Owners or operators shall not place incompatible hazardous wastes or treatment reagents in the unit or the unit's secondary containment system if the hazardous waste or treatment reagents could cause the unit or secondary containment system to leak, corrode, or otherwise fail.

(E) A containment building shall have a primary barrier designed to withstand the movement of personnel, waste, and handling equipment in the unit during the operating life of the unit and appropriate for the physical and chemical characteristics of the waste to be managed.

(F) If appropriate to the nature of the waste management operation to take place in the unit, an exception to the structural strength requirement may be made for light-weight doors and windows that meet these criteria:

(1) The light-weight doors and windows provide an effective barrier against fugitive dust emissions under paragraph (D) of rule 3745-267-902 of the Administrative Code.

(2) The unit is designed and operated in a fashion that assures that wastes will not actually come in contact with the door and window openings.

(G) The owners or operators shall inspect and record in the facility's operating record, at least once every seven days, data gathered from monitoring equipment and leak detection equipment, as well as the containment building and the area immediately surrounding the containment building to detect signs of releases of hazardous waste.

(H) Owners or operators shall obtain certification by a qualified registered professional engineer that the containment building design meets the requirements of rules 3745-267-902 and 3745-267-903 of the Administrative Code and paragraphs (A) to (F) of this rule.

[Comment: For dates of non-regulatory government publications, publications of recognized



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organizations and associations, federal rules, and federal statutory provisions referenced in this rule,  
see rule 3745-50-11 of the Administrative Code titled "Incorporated by reference."]