

**\*\*\* DRAFT – NOT FOR FILING \*\*\***

3745-520-200

**Engineered components and systems of engineered components.**

(A) This rule does not apply to engineered components or systems of engineered components that have already been constructed, except for the following:

(1) A vegetated earthen berm or equivalent barrier if the C&DD facility is located or proposed to be located in an area in which an applicable zoning resolution allows residential construction, unless excepted from siting criteria by paragraph (B) of rule 3745-520-100 of the Administrative Code.

(2) A leachate management system below a vertical expansion.

(3) A leachate recirculation system.

(B) A C&DD facility shall have the following engineered components and systems of engineered components:

(1) At least one permanent survey mark.

(2) Access roads that conform to rule 3745-511-120 of the Administrative Code.

(3) Permanent or temporary ground water control structures that conform to rule 3745-511-210 of the Administrative Code if necessary to meet the requirements of this chapter.

(4) An in situ foundation that conforms to rule 3745-511-220 of the Administrative Code.

(5) An added geologic material layer that conforms to rule 3745-511-220 of the Administrative Code if it is necessary in order for the selected liner system design to conform to rule 3745-520-230 of the Administrative Code.

(6) A vegetated earthen berm or an equivalent barrier that conforms to rule 3745-520-225 of the Administrative Code if the facility is located or proposed to be located in an area in which an applicable zoning resolution allows residential construction, unless excepted from siting criteria by paragraph (B) of rule 3745-520-100 of the Administrative Code.

(7) A liner system that conforms to rule 3745-520-230 of the Administrative Code.

(8) A leachate management system that conforms to rule 3745-520-240 of the Administrative Code.

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- (9) When a vertical expansion is proposed, a separatory leachate barrier and collection system that conforms to rule 3745-520-250 of the Administrative Code unless the vertical expansion is above the following:
- (a) At least 5.0 feet of isolation material between the basal elevations of the authorized disposal limits and the uppermost aquifer system.
  - (b) A liner system that conforms to rule 3745-520-230 of the Administrative Code.
  - (c) A leachate management system that conforms to rule 3745-520-240 of the Administrative Code.
- (10) A cap system that conforms to rule 3745-520-260 of the Administrative Code.
- (11) A gas management system that conforms to rule 3745-520-275 of the Administrative Code.
- (12) A surface water management system that conforms to rule 3745-520-280 of the Administrative Code.
- (C) The applicant may include any of the following engineered components and systems of engineered components as part of a C&DD facility:
- (1) Permanent or temporary ground water control structures that conform to rule 3745-511-210 of the Administrative Code.
  - (2) An added geologic material layer that conforms to rule 3745-511-220 of the Administrative Code.
  - (3) Structural fill underlying a liner system or cap system that conforms to rule 3745-511-220 of the Administrative Code. Structural fill shall not incorporate georeinforcements for the purpose of increasing the height or slope of a waste containment berm.
  - (4) Added geologic material layer, liner system, and leachate collection system drainage layer run-out that conform to rule 3745-511-350 of the Administrative Code.
  - (5) Transitional cover that conforms to rule 3745-511-605 of the Administrative Code.
  - (6) Cap system and gas collection layer run-out that conforms to rule 3745-511-680 of the Administrative Code.

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(7) A leachate recirculation system that conforms to rule 3745-520-249 of the Administrative Code.

(8) Georeinforcements.