

***** DRAFT – NOT FOR FILING *****

3745-520-260

Cap system design.

(A) The cap system design required by this rule does not apply to those areas of the C&DD facility for which a certification report for a cap system has been submitted on or before the date that the permit to install is issued that demonstrates compliance with Chapter 3714. of the Revised Code and rules adopted thereunder.

(B) The cap system shall consist of the following:

(1) A means to relieve gas pressure under the cap system consisting of one or both of the following:

(a) A gas collection layer that conforms to rule 3745-511-750 of the Administrative Code placed below the cap system recompacted soil layer and above structural fill. The structural fill shall meet the following:

(i) Consists of soil.

(ii) Conforms to rule 3745-511-220 of the Administrative Code.

(iii) Has a thickness not less than twelve inches.

(b) A gas management system that conforms to rule 3745-520-275 of the Administrative Code.

(2) A filter layer that conforms to rule 3745-511-640 of the Administrative Code placed above the gas collection layer. If a geocomposite that has a filter fabric component is used as a gas collection layer, a separate filter layer is not required.

(3) A cap system recompacted soil layer that conforms to rule 3745-511-610 of the Administrative Code placed above the filter layer. The cap system recompacted soil layer shall have a thickness not less than eighteen inches.

(4) A cap system flexible membrane liner that conforms to rule 3745-511-610 of the Administrative Code placed above and in direct and uniform contact with the cap system recompacted soil layer.

(5) A drainage layer that conforms to rule 3745-511-620 of the Administrative Code placed above the cap system flexible membrane liner.

(6) A filter layer that conforms to rule 3745-511-640 of the Administrative Code placed above the drainage layer. If a geocomposite drainage layer that has a filter fabric component is used, a separate filter layer is not required.

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(7) A protection layer that conforms to rule 3745-511-650 of the Administrative Code placed above the filter layer.

(C) The cap system shall be placed above all disposed material.

(D) The cap system shall minimize infiltration of surface water into the disposal limits.

(E) The cap system shall serve as a barrier to prevent leachate outbreaks.

(F) The slope of the cap system shall not exceed twenty-five per cent.

(G) In preparation for construction of the cap system, the transitional cover shall be completely removed or prepared as necessary for construction of the cap system.