

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

3745-512-442

Leachate collection system geotextile filter layer.

(A) The leachate collection system geotextile filter layer shall meet the following criteria:

- (1) Be composed of polyethylene, unless an alternative material is approved in accordance with rule 3745-512-17 of the Administrative Code.
- (2) Have an appropriate apparent opening size necessary to retain waste or C&DD overlying the geotextile filter.
- (3) Have an apparent opening size and either a porosity or percentage of open area available to resist clogging by adjacent waste or C&DD.
- (4) Have a minimum permittivity to ensure that the layer does not create a perched zone above the leachate collection system drainage layer.
- (5) Be overlapped and sewn by the owner or operator to keep the geotextile in place during placement of overlying materials and be placed and secured in accordance with the manufacturer's specifications.

(B) Testing of the leachate collection system geotextile filter layer shall be performed by the owner or operator in conformance with the following:

- (1) Pre-construction testing on representative samples to determine shear strength in accordance with rule 3745-512-10 of the Administrative Code.
- (2) Pre-construction testing on representative samples in accordance with rule 3745-512-15 of the Administrative Code.

(C) Certification of the leachate collection system geotextile filter layer by the owner or operator shall include the following:

- (1) Record drawings showing the plan views, including the run-out if applicable, of the geotextile filter layer, as constructed.
- (2) The results of all testing and verification that the geotextile filter layer meets the standards in paragraph (A) of this rule and the specifications in the authorizing document. If an alternative material is used, the evaluation conducted pursuant to rule 3745-512-17 of the Administrative Code was submitted prior to use of the alternative material and therefore verification is not required to be submitted with the construction certification report under this rule. However, results of all testing to verify that the alternative material meets material specifications are required in the construction certification report.