

\*\*\* DRAFT – NOT FOR FILING \*\*\*

3745-512-320

Liner system geosynthetic clay liner.

(A) Liner system geosynthetic clay liner shall conform to the following:

- (1) Have a dry bentonite mass per unit area of at least 0.75 pounds per square foot at zero per cent moisture content.
- (2) Be handled and stored by the owner or operator in accordance with ASTM D5888 (storage and handling of GCL) as described in rule 3745-500-03 of the Administrative Code.
- (3) Be installed by the owner or operator in accordance with ASTM D6102 (installation of GCL) as described in rule 3745-500-03 of the Administrative Code. The surface of the subbase shall be free of sharp edged protrusions and of any particle protruding more than 0.25 inches. Seam overlap shall be increased to account for shrinkage due to weather conditions.

(B) Liner system geosynthetic clay liner that does not contain internal reinforcement shall not be used by the owner or operator in areas beneath leachate collection piping or in sump areas.

(C) Testing of the liner system geosynthetic clay liner 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.

(D) Certification of the liner system geosynthetic clay liner by the owner or operator shall include the results of all testing and verification that the geosynthetic clay liner meets the standards in paragraphs (A) and (B) of this rule and the specifications in the authorizing document.