

[Comment: For dates of non-regulatory government publications, publications of recognized organizations and associations, test methods, federal rules, and federal statutory provisions referenced in this rule, see rule 3745-500-03 of the Administrative Code titled "Incorporation by reference."]

Geosynthetic clay liner shall be certified for the following:

(A) Geosynthetic clay liners shall:

- (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 in accordance with the manufacturer's specifications.
- (3) Be placed on a surface free of sharp edged protrusions or any particles protruding more than one quarter of one inch.
- (4) Be placed with direct and uniform contact onto the recompacted soil liner.
- (5) To allow no more than negligible amounts of leakage at the seams, have a minimum overlap of six inches, or, for end-of-panel seams, a minimum overlap of twelve inches. Overlap shall be increased in accordance with the manufacturer's specifications and to account for shrinkage due to weather conditions. The use of granular or powdered bentonite to enhance bonding at the seams shall be in accordance with the manufacturer's specifications.

(B) Geosynthetic clay liners that do not contain internal reinforcement shall not be used in areas beneath leachate collection piping or in sump areas.

(C) Geosynthetic clay liner shall have pre-construction testing performed to determine the dry bentonite mass, at zero per cent moisture content, per square foot of geosynthetic clay liners according to ASTM D5993 at a frequency of not less than once per fifty thousand square feet of geosynthetic clay liner.