

\*\*\* DRAFT – NOT FOR FILING \*\*\*

3745-512-310 Liner system recompacted soil liner.

[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."]

(A) The liner system recompacted soil liner shall be constructed by the owner or operator with a minimum of six lifts and in a manner to attain uniform compaction. Each lift shall conform to the following:

(1) Be free of foreign material and deleterious material.

(2) Be free of industrial waste, solid waste, and C&DD.

(3) Be constructed with soils that meet the range of soil properties established in the recompacted soil liner test pad certification report required by rule 3745-512-21 of the Administrative Code and evaluated in accordance with rule 3745-512-20 of the Administrative Code.

(4) Be constructed in accordance with corresponding construction details as established in the recompacted soil liner test pad certification report in accordance with rule 3745-512-21 of the Administrative Code that was approved or concurred with by the director, or for C&DD facilities, the concurring authority.

(5) Have a maximum clod size that shall not exceed three inches.

(B) The owner or operator shall perform construction testing on the constructed lifts of the liner system recompacted soil liner to determine the density and moisture content according to ASTM D6938 (nuclear method), ASTM D1556 (sand cone), ASTM D2167 (rubber balloon), or ASTM D6780 (TDR) at a frequency of not less than five times per acre per lift. The locations of the individual tests shall be adequately spaced to represent the constructed area and shall be offset from one lift to the next lift. At least one test per lift shall be located within five feet of the edge of the construction phase. Any penetration shall be repaired by the owner or operator using bentonite.

(C) Certification of liner system recompacted soil liner by the owner or operator shall include the following:

(1) Record drawings showing the location and plan views with topographic representation of the basal and final elevations of the recompacted soil liner, as constructed.

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- (2) The table of survey information described in rule 3745-512-50 of the Administrative Code and a comparison of the survey data to the elevations in the authorizing document.
- (3) Results of all construction testing performed under paragraph (B) of this rule.
- (4) Results of all testing and verification that the constructed lifts of the recompacted soil liner meet the standards in paragraph (A) of this rule and the specifications in the authorizing document.