

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

3745-520-225

## Vegetated earthen berm and equivalent barrier design.

[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) A vegetated earthen berm shall be designed to conform to the following:

- (1) Provide a barrier separating the C&DD facility from adjoining property and have a minimum height of six feet from the ground surface.
- (2) Be comprised of earth and be vegetated.
- (3) Have slopes and top configuration designed to accommodate the operational limitations of maintenance equipment.
- (4) Have a maximum slope length between ditches that shall result in an erosion rate not to exceed five tons per acre per year as calculated using the "Universal Soil Loss Equation," "Revised Universal Soil Loss Equation," or the "Water Erosion Prediction Project Model" assuming disturbed soils and assuming the soil is highly susceptible to rill erosion.
- (5) Be on slopes or have ditches that conform to rule 3745-511-810 of the Administrative Code adjacent to the vegetated earthen berm to prevent surface water from ponding against the vegetated earthen berm or damaging the vegetated earthen berm.
- (6) Be stable from the time the vegetated earthen berm is constructed until the end of the post-closure care period.

(B) An equivalent barrier to a vegetated earthen berm shall be designed to conform to the following:

- (1) Provide a barrier separating the C&DD facility from adjoining property and have a minimum height of six feet from the ground surface.
- (2) Obstruct vision.
- (3) Not cause surface water to pond against or damage the equivalent barrier.
- (4) If an earthen berm is a component of the equivalent barrier, the vegetated earthen berm shall be stable from the time the earthen berm is constructed until the end of the post-closure care period.