

3745-57-14

Special requirements for bulk and containerized liquids.

- (A) The placement of bulk or non-containerized liquid hazardous waste or hazardous waste containing free liquids (whether or not sorbents have been added) in any landfill is prohibited.
- (B) To demonstrate the absence or presence of free liquids in either a containerized or a bulk waste, the following test ~~shall~~must be used: ~~Method 9095~~method 9095B ("Paint Filter Liquids Test") as described in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods" EPA publication SW-846.
- (C) Containers holding free liquids must not be placed in a landfill unless:
- (1) All free-standing liquid:
 - (a) Has been removed by decanting or other methods; or
 - (b) Has been mixed with sorbent or solidified so that free-standing liquid is no longer observed; or
 - (c) Has been otherwise eliminated; or
 - (2) The container is very small, such as an ampule; or
 - (3) The container is designed to hold free liquids for use other than storage, such as a battery or capacitor; or
 - (4) The container is a lab pack as defined in rule 3745-57-16 of the Administrative Code and is disposed of in accordance with rule 3745-57-16 of the Administrative Code.
- (D) Sorbents used to treat free liquids to be disposed of in landfills ~~shall~~must be nonbiodegradable. Nonbiodegradable sorbents are materials listed or described in paragraph (D)(1) of this rule; materials that pass one of the tests in (D)(2) of this rule; or materials that are determined by U.S.EPA to be nonbiodegradable through the petition process in 40 CFR Part 260.
- (1) Nonbiodegradable sorbents.
 - (a) Inorganic minerals, other inorganic materials, and elemental carbon [e.g., aluminosilicates, clays, smectites, Fuller's earth, bentonite, calcium bentonite, montmorillonite, calcined montmorillonite, kaolinite, micas

(illite), vermiculites, zeolites; calcium carbonate (organic free limestone); oxides/hydroxides, alumina lime silica (sand), diatomaceous earth; perlite (volcanic glass); expanded volcanic rock; volcanic ash; cement kiln dust; fly ash; rice hull ash; activated charcoal/activated carbon]; or

(b) High molecular weight synthetic polymers [e.g., polyethylene, high density polyethylene (HDPE), polypropylene, polystyrene, polyurethane, polyacrylate, polynorborene, polyisobutylene, ground synthetic rubber, cross-linked allylstyrene and tertiary butyl copolymers]. This does not include polymers derived from biological material or polymers specifically designed to be degradable; or

(c) Mixtures of these nonbiodegradable materials.

(2) Tests for nonbiodegradable sorbents.

(a) The sorbent material is determined to be nonbiodegradable under ASTM method G21-70(1984a)- "Standard Practice for Determining Resistance of Synthetic Polymer Materials to Fungi"; or

(b) The sorbent material is determined to be nonbiodegradable under ASTM method G22-76(1984b)- "Standard Practice for Determining Resistance of Plastics to Bacteria"; or

(c) The sorbent material is determined to be nonbiodegradable under the organization for economic cooperation and development (OECD) test 301B-CO₂ evolution (modified Sturm test).

(E) The placement of any liquid which is not a hazardous waste in a landfill is prohibited unless the owner or operator of such landfill demonstrates to the director, or the director determines, that:

(1) The only reasonably available alternative to the placement in such landfill is placement in a landfill or unlined surface impoundment, whether or not permitted, or operating under authority or paragraph (C) of rule 3745-50-40 of the Administrative Code, which contains, or may reasonably be anticipated to contain, hazardous waste; and

(2) Placement in such owner or operator's landfill will not present a risk of contamination of any "underground source of drinking water" (as that term is defined in rule ~~3745-34-01~~3745-50-10 of the Administrative Code).

[Comment: For dates of non-regulatory government publications, publications of recognized organizations and associations, federal rules, and federal statutory provisions referenced in this rule, see rule 3745-50-11 of the Administrative Code titled "Incorporated by reference."]

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Certification

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Date

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