

3745-525-625

Waste acceptance at industrial lagoons.

(A) The owner or operator shall accept for disposal only industrial liquid waste.

(B) Prior to accepting an industrial waste for disposal at an industrial lagoon, the owner or operator shall do the following:

(1) Obtain test results determining whether the industrial waste is putrescible as provided in accordance with rule 3745-525-602 of the Administrative Code.

(2) If the industrial lagoon accepts only class II industrial waste or class III industrial waste, obtain the initial industrial waste characterization results, in accordance with rule 3745-525-635 of the Administrative Code, and submit to Ohio EPA an industrial waste characterization report prepared in accordance with rule 3745-525-631 of the Administrative Code.

(C) The owner or operator shall not accept for disposal or dispose of the following materials:

(1) Asbestos or asbestos-containing waste material that is subject to the provisions of NESHAP, 40 CFR Part 61, subpart M, as described in rule 3745-500-03 of the Administrative Code, unless the owner or operator has obtained the necessary air pollution control permits from Ohio EPA or the authorized local air authority.

(2) Hazardous waste.

(3) Polychlorinated biphenyl (PCB) waste as defined in 40 CFR Part 761, unless otherwise authorized by 40 CFR part 761, as described in rule 3745-500-03 of the Administrative Code.

(4) Low-level radioactive waste as specified in section 3734.027 of the Revised Code.

(5) Sewage.

(6) Construction and demolition debris.

(D) The owner or operator shall restrict the industrial waste being disposed in the industrial lagoon to the following:

(1) If a flexible membrane liner is a component of the industrial facility, industrial waste not containing a constituent identified in the construction certification report as being incompatible as specified by paragraph (D)(4) of rule 3745-525-501 of the Administrative Code, unless chemical compatibility testing performed in accordance with paragraph (F) of this rule demonstrates that the industrial waste will not compromise the integrity of the flexible membrane liner.

(2) If geosynthetic clay liner is used in the liner system, industrial waste that has a ratio of the combination of sodium, potassium, and ammonia to the combination of calcium and magnesium of greater than two to one.

(3) Excluded waste, passing method 9095 (paint filter liquids test) in SW-846, "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods" as described in rule 3745-500-03 of the Administrative Code.

(4) Solid waste, unless authorized in the permit to install and a solid waste license has been obtained.

(5) For an industrial lagoon where the shortest distance from the uppermost aquifer system to the basal elevations of the liner system is at least five feet and less than fifteen feet, and the design of the liner system is one of the options identified in paragraphs (E)(5) to (E)(14) of this rule, industrial waste that does not exceed the maximum allowable limits established in appendix III of rule 3745-525-632 of the Administrative Code.

(6) For an industrial lagoon where the shortest distance from the uppermost aquifer system to the basal elevations of the liner system is at least five feet and less than fifteen feet, and the design of the liner system is one of the options identified in paragraphs (E)(3) or (E)(4) of this rule, industrial waste that does not exceed the maximum allowable limits established in appendix II of rule 3745-525-632 of the Administrative Code.

[Comment: If the design of the liner system is one of the options identified in paragraphs (E)(1) or (E)(2) of this rule, industrial waste exceeding the maximum allowable limits established in appendix II of rule 3745-525-632 of the Administrative Code can be accepted.]

(7) For an industrial lagoon where the shortest distance from the uppermost aquifer system to the basal elevations of the liner system is at least fifteen feet and less than twenty five feet, and the design of the liner system is one of the options identified in paragraphs (E)(8) to (E)(14) of this rule, industrial waste that does not exceed the maximum allowable limits established in appendix III of rule 3745-525-632 of the Administrative Code.

(8) For an industrial lagoon where the shortest distance from the uppermost aquifer system to the basal elevations of the liner system is at least fifteen feet and less than twenty five feet, and the design of the liner system is one of the options identified in paragraphs (E)(5) to (E)(7) of this rule, industrial waste that does not exceed the maximum allowable limits established in appendix II of rule 3745-525-632 of the Administrative Code.

[Comment: If the design of the liner system is one of the options identified in paragraphs (E)(1) to (E)(4) of this rule, industrial waste exceeding the maximum allowable limits established in appendix II of rule 3745-525-632 of the Administrative Code can be accepted.]

(9) For an industrial lagoon where the shortest distance from the uppermost aquifer system to the basal elevations of the liner system is at least twenty five feet and less than one hundred fifty feet, and the design of the liner system is one of the options identified in paragraphs (E)(10) to (E)(14) of this rule, industrial waste that does not exceed the maximum allowable limits established in appendix III of rule 3745-525-632 of the Administrative Code.

(10) For an industrial lagoon where the shortest distance from the uppermost aquifer system to the basal elevations of the liner system is at least twenty five feet and less than one hundred fifty feet, and the design of the liner system is one of the options identified in paragraphs (E)(8) or (E)(9) of this rule, industrial waste that does not exceed the maximum allowable limits established in appendix II of rule 3745-525-632 of the Administrative Code.

[Comment: If the design of the liner system is one of the options identified in paragraphs (E)(1) or (E)(7) of this rule, industrial waste exceeding the maximum allowable limits established in appendix II of rule 3745-525-632 of the Administrative Code can be accepted.]

(11) For an industrial lagoon where the shortest distance from the uppermost aquifer system to the basal elevations of the liner system is at least one hundred fifty feet, and the design of the liner system is the option identified in paragraph (E)(14) of this rule, industrial waste that does not exceed the maximum allowable limits established in appendix III of rule 3745-525-632 of the Administrative Code.

(12) For an industrial lagoon where the shortest distance from the uppermost aquifer system to the basal elevations of the liner system is at least one hundred fifty feet, and the design of the liner system is one of the options identified in paragraphs (E)(12) or (E)(13) of this rule, industrial waste that does not exceed the maximum allowable limits established in appendix II of rule 3745-525-632 of the Administrative Code.

[Comment: If the design of the liner system is one of the options identified in paragraphs (E)(1) to (E)(11) of this rule, industrial waste exceeding the maximum allowable limits established in appendix II of rule 3745-525-632 of the Administrative Code can be accepted.]

(E) Liner system design options cited by paragraph (D) of this rule are the following:

- (1) A flexible membrane liner beneath a leak detection system meeting the criteria in rule 3745-525-294 of the Administrative Code beneath a recompacted soil liner with a thickness not less than 5.0 feet directly beneath a flexible membrane liner.
 - (2) A flexible membrane liner beneath a leak detection system meeting the criteria in rule 3745-525-294 of the Administrative Code beneath a recompacted soil liner with a thickness not less than 3.0 feet beneath a geosynthetic clay liner meeting the criteria in rule 3745-525-232 of the Administrative Code directly beneath a flexible membrane liner.
 - (3) A composite liner system consisting of a recompacted soil liner with a thickness not less than 5.0 feet directly beneath a flexible membrane liner.
 - (4) A recompacted soil liner with a thickness not less than 3.0 feet beneath a geosynthetic clay liner meeting the criteria in rule 3745-525-232 of the Administrative Code directly beneath a flexible membrane liner.
 - (5) A recompacted soil liner with a thickness not less than 5.0 feet.
 - (6) A recompacted soil liner with a thickness not less than 3.0 feet directly beneath a flexible membrane liner.
 - (7) A recompacted soil liner with a thickness not less than 1.5 feet beneath a geosynthetic clay liner meeting the criteria in rule 3745-525-232 of the Administrative Code directly beneath a flexible membrane liner.
 - (8) A recompacted soil liner with a thickness not less than 4.0 feet.
 - (9) A recompacted soil liner with a thickness not less than 2.0 feet directly beneath a flexible membrane liner.
 - (10) A recompacted soil liner with a thickness not less than 3.0 feet.
 - (11) A recompacted soil liner with a thickness not less than 1.5 feet directly beneath a flexible membrane liner.
 - (12) A recompacted soil liner with a thickness meeting the criteria in rule 3745-525-531 of the Administrative Code.
 - (13) A flexible membrane liner.
 - (14) No liner.
- (F) If required by Ohio EPA, the owner or operator shall demonstrate that the industrial waste to be received at the industrial lagoon will not compromise the integrity of any

material used to construct the industrial lagoon by performing chemical compatibility testing prior to receiving the waste.