

3745-27-85

Extending or establishing a new termination date of an authorization to stabilize waste through bulk liquid addition.

- (A) If the owner or operator desires to extend the termination date of an authorization to stabilize waste through bulk liquid addition, the owner or operator shall submit a request to the appropriate district office of the Ohio EPA ~~at least~~not later than one hundred twenty days before the term of the authorization expires. The request shall include the new requested termination date, a demonstration of the need for continued research, and any revisions to the closure cost estimate to address closure contingencies. The annual reports submitted to Ohio EPA pursuant to rule 3745-27-84 of the Administrative Code shall be deemed to be included in this request.

[Comment: The time period of the authorization to stabilize waste through bulk liquid addition cannot exceed three years and the total term to accept bulk liquids at the facility cannot exceed ~~twelve~~twenty-one years (see rule 3745-27-82 of the Administrative Code). Therefore, the design of the project should result in an outcome that can be determined within that time frame.]

- (B) If the owner or operator desires to stabilize waste through bulk liquid addition after the termination date, the owner or operator shall submit a request to the appropriate district office of the Ohio EPA to reauthorize bulk liquid addition. The request shall include the new requested termination date, a demonstration of the need for continued research, any changes to implementation of the research, development, or demonstration project, and any revisions to the closure cost estimate to address closure contingencies. The annual reports submitted to Ohio EPA pursuant to rule 3745-27-84 of the Administrative Code shall be deemed to be included in this request.

[Comment: If a change to implement the research, development, or demonstration project is a modification, the action cannot be a reauthorization.]

- (C) In deciding whether to grant an extension of the termination date, or reauthorize bulk liquid addition and establish a new termination date, the director may consider the following from observed or reported information:

(1) Whether information generated by the research, development, or demonstration project is useful in optimizing waste stabilization.

(2) Whether the following were successfully resolved by the owner or operator:

(a) Difficulties with waste acceptance, including the type, quality, and amount.

- (b) Difficulties with introduction of bulk liquids.
 - (c) Difficulties with the depth of leachate in the sanitary landfill facility or management of leachate in the leachate collection and management system.
 - (d) Difficulties with management of landfill gas in the gas management system.
- (3) Whether any of the following effects from the bulk liquid addition at the facility have occurred:
- (a) Presence of odors.
 - (b) Presence of leachate seeps or surface exposure of leachate.
 - (c) Temperature of landfill gas at a wellhead is measured above one hundred fifty degrees Fahrenheit.
 - (d) Methane concentration in landfill gas at a wellhead is measured below forty-five per cent.
 - (e) Temperature of waste is measured above one hundred seventy degrees Fahrenheit.
 - (f) Carbon monoxide concentration in landfill gas at a wellhead is measured above one thousand parts per million by volume.
 - (g) Occurrence of a slope failure in the waste mass in the designated research, development, or demonstration project area.
 - (h) Any adverse impact on the flexible membrane liner component of the composite liner system or composite cap system, including the following:
 - (i) Indication of leakage through the liner (such as leachate or a waste-derived constituent detected in a ground water monitoring well).
 - (ii) Evidence of adverse impact on the flexible membrane liner

coupons.

(iii) Temperature of leachate is measured above one hundred sixty degrees Fahrenheit or temperature of waste in proximity to the composite cap system is measured above one hundred forty degrees Fahrenheit.

(i) Other persistent and deleterious effects.

(4) Whether conditions to meet the desired outcome of the project are not being met or that the waste is not stabilizing.

Effective:

Five Year Review (FYR) Dates: 11/03/2016

Certification

Date

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