

3745-27-88 Monitoring, reporting, and financial assurance requirements after termination of an authorization to stabilize waste through bulk liquid addition.

For a minimum of three years after termination of the authorization to stabilize waste through bulk liquid addition, the owner or operator shall comply with this rule.

(A) The owner or operator shall continue to monitor for the following:

- (1) Odors, in accordance with the terminated authorization.
- (2) Indication of fire in the area designated for bulk liquid addition, including the following:
 - (a) Monthly monitoring of the temperature of landfill gas.
 - (b) When temperature of landfill gas at a wellhead is measured above one hundred thirty degrees Fahrenheit, carbon monoxide concentration in landfill gas at the wellhead.
 - (c) If the sanitary landfill facility was operated under aerobic conditions, annual monitoring of the temperature of the waste.
- (3) Quarterly analysis of the leachate from the leachate collection and management system in the designated research, development, or demonstration project area for the following parameters:
 - (a) Parameters listed in appendix I to rule 3745-27-10 of the Administrative Code.
 - (b) Biochemical oxygen demand.
 - (c) Chemical oxygen demand.
 - (d) Field analysis for pH.
 - (e) Field analysis for temperature.
 - (f) Field analysis for specific conductance.
- (4) Landfill gas from the gas management system in the designated research, development, or demonstration project area for the following:
 - (a) Monthly monitoring of landfill gas flow rates from each gas collection well.

- (b) Quarterly monitoring of moisture content and per cent methane by volume.
- (5) Annually, a ground survey of surface elevation control points in the designated research, development, or demonstration project area.
- (B) Annual report. The owner or operator shall include, as an importable electronic file, in the annual operational report required by paragraph (M) of rule 3745-27-19 of the Administrative Code the following:
 - (1) A summary and analysis of the following monitoring and testing results:
 - (a) The quality of leachate and a comparison to the leachate from the control group, including changes over time.
 - (b) The volume of landfill gas generated as compared to the predicted generation rate and to the volume of landfill gas generated from the control group.
 - (c) The quality of landfill gas, including moisture content, temperature, and constituents, and a comparison to the landfill gas from the control group.
 - (d) If the sanitary landfill facility was operated under aerobic conditions during that year, the temperature of the waste.
 - (e) Results of the annual ground survey of surface elevation control points with an assessment of whether changes were due to settlement caused by waste degradation or due to displacement caused by a slope failure or waste movement.
 - (2) A summary of any difficulty that occurred in the designated research, development, or demonstration project area and how the difficulties were resolved by the owner or operator, including the following:
 - (a) Indications of slope instability.
 - (b) Any difficulties monitoring the depth of leachate in the sanitary landfill facility or indications that the depth of leachate exceeded one foot above the composite liner.
 - (c) Liquid or leachate outbreaks.
 - (d) Odor complaints.
 - (e) Temperature of landfill gas at a wellhead is measured above one hundred thirty degrees Fahrenheit.

- (f) Temperature of waste is measured above one hundred seventy degrees Fahrenheit.
- (3) A summary of any violations of a requirement in Chapter 6111. of the Revised Code or any rules adopted thereunder.
- (C) Financial assurance. The owner or operator shall include in the closure cost estimate a separate item to address closure contingencies. The closure cost estimate contingency items shall be a minimum of twenty per cent of the closure cost estimate for non-contingency items.
- (D) After three years after termination of the authorization to stabilize waste through bulk liquid addition, the owner or operator may request to discontinue monitoring, reporting, and maintaining financial assurance in accordance with all or part of the requirements of paragraphs (A) to (C) of this rule. Upon the director's written authorization, the owner or operator may discontinue monitoring, reporting, or maintaining financial assurance as stated in the authorization.

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Certification

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Date

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