



Ohio Administrative Code

Rule 3745-535-825 Groundwater detection monitoring alternative monitoring parameters and frequency.

Effective: March 1, 2026

(A) Upon approval by the director, the owner or operator may delete any of the monitoring parameters contained in rule 3745-535-801 of the Administrative Code if the removed parameters are not reasonably expected to be in or derived from the waste contained or deposited in the facility. The owner or operator shall at a minimum include the following in the request for an alternative parameter list:

(1) The parameters proposed for deletion in rule 3745-535-801 of the Administrative Code.

(2) The types, quantities, and concentrations of constituents in the solid waste managed at the facility.

(3) The concentrations of the constituents in the leachate for the parameters contained in rule 3745-535-801 of the Administrative Code within the relevant units of the facility.

(4) Any other relevant information that the director deems necessary.

(5) The owner or operator may delete 1,2- Dibromoethane (EDB) and 1,2-Dibromo-3-chloropropane (DBCP) from the parameters contained in rule 3745-535-801 of the Administrative Code upon demonstration that there has never been a confirmed detection of EDB or DBCP in the groundwater at the facility. The owner or operator of a new facility may delete EDB and DBCP upon demonstration that there has never been a confirmed detection of either parameter in the groundwater at the facility during the first one hundred eighty days of groundwater monitoring.

(B) The owner or operator may propose in writing that an alternative list of inorganic indicator parameters be used to meet paragraph (B) of rule 3745-535-820 of the Administrative Code in lieu of some or all of the inorganic parameters listed in rule 3745-535-801 of the Administrative Code. The director may approve the alternative inorganic indicator parameters if the alternative list will provide a reliable indication of inorganic releases from the facility to the groundwater. The owner or operator



shall at a minimum consider the following factors in proposing an alternative inorganic parameter list:

- (1) The types, quantities, and concentrations of constituents in wastes managed at the facility.
 - (2) The mobility, stability, and persistence of waste constituents or their reaction products in the unsaturated zone beneath the facility.
 - (3) The detectability of the indicator parameters, waste constituents, and their reaction products in the groundwater.
 - (4) The concentrations or values and coefficients of variation of monitoring parameters or constituents in the background groundwater quality.
 - (5) The concentrations of the constituents in the leachate contained in rule 3745-535-801 of the Administrative Code from the relevant units of the facility.
- (C) The owner or operator may propose an alternative parameter list in writing for any of the monitoring parameters contained in rule 3745-535-801 of the Administrative Code to be used to meet paragraph (B)(5)(c) of rule 3745-535-820 of the Administrative Code for monitoring wells screened in a significant zone of saturation that cannot produce enough groundwater within a twenty-four hour period to allow for the analysis of all of the specified parameters. Upon approval by the director, the owner or operator may use the alternative parameter list. The owner or operator shall at a minimum consider the following factors in proposing an alternative parameter list for low-yield monitoring wells screened in a significant zone of saturation:
- (1) Whether the monitoring well is constructed in accordance with paragraph (D) of rule 3745-535-805 of the Administrative Code.
 - (2) Whether the well screen is properly placed across the significant zone of saturation to maximize yield.
 - (3) A calculation of the maximum sustainable yield of the significant zone of saturation.



(4) Field data demonstrating the time necessary for the monitoring well to recover completely after purging.

(5) The amount of groundwater needed to analyze for all of the specified parameters, including a discussion of which parameters will be deleted and the amount of groundwater needed to analyze for the deleted parameters as well as the listing of the parameters that will be analyzed for in the samples and how much groundwater is needed to analyze for these parameters.

(D) The owner or operator may propose an alternative frequency in writing for groundwater sampling and statistical analysis pursuant to paragraph (B) of rule 3745-535-820 of the Administrative Code. The director may approve a proposed alternative frequency provided the alternative frequency sampling and analysis frequency is not less than annual. Upon approval by the director, the owner or operator may use the alternative sampling or analysis frequency. The owner or operator shall at a minimum consider the following factors in proposing an alternative sampling and analysis frequency:

(1) Lithology of the aquifer system and all stratigraphic units above the uppermost aquifer system.

(2) Hydraulic conductivity of the uppermost aquifer system and all stratigraphic units above the uppermost aquifer system.

(3) Groundwater flow rates for the uppermost aquifer system and all significant zones of saturation above the uppermost aquifer system.

(4) Minimum distance between the upgradient edge of the limits of waste placement of the facility and the downgradient monitoring well system.

(5) Resource value of the uppermost aquifer system.