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3745-506-450

Alternatives for the ground water detection program.

(A) An owner or operator may request alternatives to the detection monitoring program pursuant to this rule and in accordance with the detection monitoring schedule applicable to the facility contained in rules 3745-506-700 to 3745-506-999 of the Administrative Code.

(B) The director may decline to act on any request submitted pursuant to this rule.

(C) Reduced monitoring parameter list.

(1) An owner or operator may submit a written request to the director to use a reduced list of parameters for compliance with rule 3745-506-400 of the Administrative Code. The owner or operator shall include at a minimum the following information in the request:

(a) The parameters that the owner or operator requests to be deleted from the list of parameters required to be monitored in accordance with the ground water detection program monitoring schedule applicable to the facility contained in rules 3745-506-700 to 3745-506-999 of the Administrative Code.

(b) If available, the types, quantities, and concentrations of parameters in waste and C&DD managed at the facility.

(c) If available, the concentrations in leachate and ground water of parameters listed in the ground water detection program monitoring schedule applicable to the facility contained in rules 3745-506-700 to 3745-506-999 of the Administrative Code.

(d) If the facility has a leachate management system, a description of the leachate management system.

(e) A discussion how the use of the reduced monitoring parameter list is unlikely to cause the facility to pose a threat to public health or safety or the environment, to cause a nuisance or a health hazard, or to cause or contribute to water pollution.

(f) Other information requested by Ohio EPA.

(2) The director may approve the reduced monitoring parameter list if the director determines the following:

(a) The removed parameters are not reasonably expected to be in or derived from the waste or C&DD managed at the facility.

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- (b) The use of the reduced list of parameters is unlikely to cause the facility to pose a threat to public health or safety or the environment, to cause a nuisance or a health hazard, or to cause or contribute to water pollution.
- (c) The reduced list of parameters will provide for the reliable detection of a release.
- (D) Alternative inorganic indicator parameter list for those parameters to be statistically analyzed semiannually.

 - (1) An owner or operator may submit a written request to the director to use an alternative list of inorganic indicator parameters for compliance with rule 3745-506-400 of the Administrative Code. The owner or operator shall include at a minimum the following information in the request:

 - (a) The parameters that the owner or operator requests to be used in lieu of the list of parameters required to be monitored in accordance with the ground water detection program monitoring schedule applicable to the facility contained in rules 3745-506-700 to 3745-506-999 of the Administrative Code.
 - (b) If available, the types, quantities, and concentrations of parameters in waste and C&DD managed at the facility.
 - (c) If available, the concentrations in leachate of parameters listed in the ground water detection program monitoring schedule applicable to the facility contained in rules 3745-506-700 to 3745-506-999 of the Administrative Code.
 - (d) The mobility, stability, and persistence of waste-derived constituents, C&DD-derived constituents, and the associated reaction products should any reach the unsaturated and saturated zones beneath the facility.
 - (e) The detectability of the indicator parameters and the associated reaction products in the ground water.
 - (f) The concentrations and coefficients of variation of inorganic parameters in the background ground water data.
 - (g) A discussion of how the use of the alternative list of inorganic indicator parameters is unlikely to cause the facility to pose a threat to public health or safety or the environment, to cause a nuisance or a health hazard, or to cause or contribute to water pollution.
 - (h) Other information requested by Ohio EPA.

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(2) The director may approve the alternative list of inorganic indicator parameters if the director determines the following:

- (a) The use of the alternative list of inorganic indicator parameters is unlikely to cause the facility to pose a threat to public health or safety or the environment, to cause a nuisance or a health hazard, or to cause or contribute to water pollution.
- (b) The alternative list of inorganic indicator parameters will provide for the reliable detection of a release.

(E) Alternative organic parameter list.

(1) An owner or operator may submit a written request to the director to use an alternative list of organic parameters for compliance with rule 3745-506-400 of the Administrative Code. The owner or operator shall include at a minimum the following information in the request:

- (a) The parameters that the owner or operator requests to be used in lieu of the list of organic parameters required to be monitored in accordance with the ground water detection program monitoring schedule applicable to the facility contained in rules 3745-506-700 to 3745-506-999 of the Administrative Code.
- (b) If available, the types, quantities, and concentrations of parameters in waste and C&DD managed at the facility.
- (c) If available, the concentrations in leachate of parameters listed in the ground water detection program monitoring schedule applicable to the facility contained in rules 3745-506-700 to 3745-506-999 of the Administrative Code.
- (d) The mobility, stability, and persistence of waste-derived constituents, C&DD-derived constituents, and the associated reaction products should any reach the unsaturated and saturated zones beneath the facility.
- (e) The detectability of the parameters and the associated reaction products in the ground water.
- (f) The concentrations and coefficients of variation of organic parameters in the background ground water data.
- (g) A discussion of how the use of the alternative list of organic parameters is unlikely to cause the facility to pose a threat to public health or safety or the environment, to cause a nuisance or a health hazard, or to cause or contribute to water pollution.

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(h) Other information requested by Ohio EPA.

(2) The director may approve the alternative list of organic parameters if the director determines the following:

(a) The use of the alternative list of organic parameters is unlikely to cause the facility to pose a threat to public health or safety or the environment, to cause a nuisance or a health hazard, or to cause or contribute to water pollution.

(b) The alternative list of organic parameters will provide for the reliable detection of a release.

(F) Alternative parameter list for low-yield wells not screened in the uppermost aquifer system.

(1) An owner or operator may submit a written request to the director to use an alternative list of parameters for compliance with rule 3745-506-400 of the Administrative Code for those monitoring wells not screened in the uppermost aquifer system that cannot produce enough water within a twenty-four hour period to allow for the analysis of all of the required parameters. The owner or operator shall include at a minimum the following information in the request:

(a) The parameters that the owner or operator requests to be used in lieu of the list of parameters required to be monitored in accordance with the ground water detection program monitoring schedule applicable to the facility contained in rules 3745-506-700 to 3745-506-999 of the Administrative Code.

(b) A discussion of whether the ground water monitoring well is constructed in accordance with rule 3745-506-100 of the Administrative Code.

(c) A discussion of whether the well screen is properly placed across the significant zone of saturation in order to maximize yield.

(d) A calculation of the maximum sustainable yield of the significant zone of saturation the ground water monitoring well is screened within.

(e) Field data demonstrating that the ground water monitoring well cannot recover sufficiently within twenty-four hours after purging to supply the volume necessary to obtain samples for the parameters required to be monitored in accordance with the ground water detection program monitoring schedule applicable to the facility contained in rules 3745-506-700 to 3745-506-999 of the Administrative Code.

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- (f) The amount of water needed to analyze the required parameters. This shall include a discussion of the parameters proposed for deletion and the amount of water needed to analyze the deleted parameters as well as the listing of the parameters which will be analyzed in the samples and how much water is required to analyze for those parameters.
- (g) If available, the concentrations in leachate of parameters listed in the ground water detection program monitoring schedule applicable to the facility contained in rules 3745-506-700 to 3745-506-999 of the Administrative Code.
- (h) A discussion of how the use of the alternative parameter list for low-yield wells not screened in the uppermost aquifer system is unlikely to cause the facility to pose a threat to public health or safety or the environment, to cause a nuisance or a health hazard, or to cause or contribute to water pollution.
- (i) Other information requested by Ohio EPA.
- (2) The director may approve the alternative parameter list for low-yield wells not screened in the uppermost aquifer system if the director determines the following:

 - (a) Those monitoring wells not screened in the uppermost aquifer system cannot produce enough water within a twenty-four hour period to allow for the analysis of all of the required parameters.
 - (b) The use of the alternative parameter list for low-yield wells not screened in the uppermost aquifer system is unlikely to cause the facility to pose a threat to public health or safety or the environment, to cause a nuisance or a health hazard, or to cause or contribute to water pollution.
- (G) Alternative sampling and statistical analysis frequency.

 - (1) An owner or operator may submit a written request to the director of an alternative frequency for sampling and statistically analyzing ground water for compliance with rule 3745-506-400 of the Administrative Code. The owner or operator shall include at a minimum the following information in the request:

 - (a) The alternative sampling and statistical analysis frequency that the owner or operator requests to be used in lieu of the sampling and statistical analysis frequency required by the ground water detection program monitoring schedule applicable to the facility contained in rules 3745-506-700 to 3745-506-999 of the Administrative Code.

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(b) A discussion of how the use of the alternative timeframe for the collection of background data is unlikely to cause the facility to pose a threat to public health or safety or the environment, to cause a nuisance or a health hazard, or to cause or contribute to water pollution.

(c) Other information requested by Ohio EPA.

(2) The director may approve the alternative timeframe for the collection of background data if the director determines the following:

(a) The alternative timeframe for the collection of background data is not more than two years.

(b) The use of the alternative timeframe for the collection of background data is unlikely to cause the facility to pose a threat to public health or safety or the environment, to cause a nuisance or a health hazard, or to cause or contribute to water pollution.