

***** DRAFT – NOT FOR FILING *****

3745-506-700

Construction and demolition debris facility - ground water detection program monitoring schedule.

(A) Background ground water quality parameters. Background data for the ground water detection program shall be established in accordance with the following:

(1) For a facility that has a leachate monitoring system that can be used for conducting the leachate sampling required by Chapter 3745-400 or 3745-520 of the Administrative Code, an owner or operator shall establish background data in accordance with either one of the following:

(a) For the parameters listed in (B)(1) of this rule and the parameters that have been detected in the facility's leachate.

(b) For the parameters listed in paragraph (B)(1) of this rule and paragraph (D) of rule 3745-506-703 of the Administrative Code

(2) For a facility that does not have a leachate monitoring system that can be used for conducting the leachate sampling required by Chapter 3745-400 or 3745-520 of the Administrative Code, an owner or operator shall establish background data for the parameters listed in paragraph (B)(1) of this rule and paragraph (D) of rule 3745-506-703 of the Administrative Code.

(3) An owner or operator may alternatively establish background data for the parameters listed in paragraph (D) of rule 3745-506-703 of the Administrative Code by doing the following:

(a) In lieu of conducting background ground water sampling, assume that the parameters listed in paragraph (D) of rule 3745-506-703 of the Administrative Code are not present in background ground water at the facility.

(b) Base background for each parameter listed in paragraph (D) of rule 3745-506-703 of the Administrative Code on the lowest practical quantitation limit (PQL) available to the owner or operator in accordance with rules 3745-506-300 to 3745-506-330 of the Administrative Code.

(B) Semiannual ground water monitoring and statistical analysis.

(1) Monitoring. The ground water monitoring wells that are part of the ground water detection program shall be monitored and the samples analyzed at least semiannually for either of the following:

(a) The following parameters:

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- (i) Arsenic, chromium, and copper as described in paragraph (A) of rule 3745-506-703 of the Administrative Code.
 - (ii) The parameters in paragraph (B) of rule 3745-506-703 of the Administrative Code.
 - (b) If paragraph (D) of this rule applies, an alternative or reduced parameter list approved in accordance with rule 3745-506-450 of the Administrative Code.
 - (2) Statistical analysis. At least semiannually, the ground water data generated from semiannual ground water monitoring shall be statistically compared to background data in accordance with the statistical analysis plan.
- (C) Annual ground water monitoring and statistical analysis. In addition to the monitoring required by paragraph (B) of this rule, the ground water monitoring wells that are part of the ground water detection program shall be monitored and the samples analyzed at least annually for either of the following:
- (1) The following parameters:
 - (a) For a facility that has a leachate monitoring system that can be used for conducting the leachate sampling required by Chapter 3745-400 or 3745-520 of the Administrative Code, the parameters that have been detected in the facility's leachate.
 - (b) For a facility not described in paragraph (C)(1)(a) of this rule, the parameters listed in rule 3745-506-703 of the Administrative Code.
 - (2) If applicable pursuant to paragraph (D) of this rule, an alternative or reduced parameter list approved in accordance with rule 3745-506-450 of the Administrative Code.
- (D) Alternatives for the ground water detection monitoring program in accordance with rule 3745-506-450 of the Administrative Code.
- (1) The director shall not approve an alternative if the facility does not have a leachate monitoring system that can be used for conducting the leachate sampling required by Chapter 3745-400 or 3745-520 of the Administrative Code.
 - (2) For semiannual monitoring, the parameters identified in paragraph (B)(1)(a)(i) of this rule shall not be removed from a parameter list.
 - (3) Parameters that have been detected in the facility's leachate shall not be removed from a parameter list.