

***** DRAFT – NOT FOR FILING *****

3745-520-660

Leachate sampling, analysis, and reporting.

[Comment: Chapter 3745-506 of the Administrative Code requires an owner or operator to monitor ground water for parameters that have been detected in the C&DD facility's leachate.]

(A) The owner or operator shall comply with the leachate sampling and analysis plan.

(B) Sampling frequency.

(1) An owner or operator shall sample leachate at the C&DD facility at least annually.

(2) If an owner or operator has authorization in a current license to recirculate leachate, the owner or operator shall sample leachate at the C&DD facility at least quarterly.

(C) Sampling locations. During each sampling event, an owner or operator shall obtain at least one representative leachate sample from each phase containing disposed material. Each sample shall be collected from a sampling access identified in the facility design plan.

(D) Field analysis. During each leachate sampling event, an owner or operator shall measure the pH, specific conductance, temperature, and turbidity of each leachate sample.

(E) Laboratory analysis.

(1) An owner or operator shall analyze each leachate sample for the parameters listed in rule 3745-506-703 of the Administrative Code.

(2) The practical quantitation limit (PQL) used for laboratory analysis shall be the following:

(a) Protective of public health and safety and the environment.

(b) The lowest concentration level that can be reliably achieved during routine laboratory operating conditions that are reasonably available for the analytical method chosen by the owner or operator.

(3) For each sample the PQL shall be lower than the primary drinking water standard for the parameter included in Chapter 3745-81 of the Administrative Code, if one exists, and the secondary drinking water standard for the parameter included in Chapter 3745-82 of the Administrative Code if one exists.

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(4) If the PQL does not comply with paragraph (E)(3) of this rule then an owner or operator shall do one of the following:

(a) Choose an alternative analytical method that will result in a PQL that complies with paragraph (E)(3) of this rule.

(b) Conclude that the parameter has been detected in leachate for the purpose of conducting ground water detection monitoring under Chapter 3745-506 of the Administrative Code.

(F) Submitting the sampling and analysis results.

(1) The information required by paragraph (F)(2) of this rule shall be submitted to Ohio EPA and the approved board of health as follows:

(a) An owner or operator that is not authorized in a current license to recirculate leachate shall submit the information in the annual operational report required by rule 3745-520-695 of the Administrative Code.

(b) An owner or operator that is authorized in a current license to recirculate leachate shall submit the information not later than seventy-five days after each quarterly sampling event.

(2) An owner or operator shall submit the following information when required by paragraph (F)(1) of this rule:

(a) The results of the field analysis required by paragraph (D) of this rule.

(b) The results of the laboratory analysis of the parameters listed in rule 3745-506-703 of the Administrative Code in the same order as those listed in that rule.

(c) All other parameters detected in the C&DD facility's leachate through the laboratory analysis method.

(d) The parameters that were added to the ground water monitoring parameter list in the C&DD facility's ground water monitoring plan.

(e) Quality control data used by the laboratory to determine whether the analysis results are accurate.

(f) The method detection limits, PQLs, and analysis methods used.

(g) Forms in the leachate sampling and analysis plan that were completed during leachate sampling and analysis.

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(3) The information required by paragraph (F)(2) of this rule shall be signed and certified by a professional skilled in the appropriate discipline.