

**\*\*\* DRAFT – NOT FOR FILING \*\*\***

3745-506-800

**Sanitary landfill facility - ground water detection program monitoring schedule.**

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

(1) For ground water monitoring wells screened within the uppermost aquifer system, background data shall be established for the following:

(a) The parameters listed in paragraphs (A) and (D) of rule 3745-506-803 of the Administrative Code (metals and volatile organic compounds).

(b) Ammonia, chloride, potassium, and sodium as described in paragraph (B) of rule 3745-506-803 of the Administrative Code.

(2) For ground water monitoring wells screened in significant zones of saturation above the uppermost aquifer system, background data shall be established for the following parameters:

(a) Benzene, chloroethane, 1,1-dichloroethane, vinyl chloride as described in paragraph (D) of rule 3745-506-803 of the Administrative Code.

(b) Ammonia, chloride, potassium, and sodium as described in paragraph (B) of rule 3745-506-803 of the Administrative Code.

(3) The owner or operator may alternatively establish background for the parameters listed in paragraph (D) of rule 3745-506-803 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 3745-506-803 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 3745-506-803 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 in accordance with the following:

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- (a) For ground water monitoring wells screened within the uppermost aquifer system, the parameters listed in paragraph (A)(1) of this rule or an alternative or reduced parameter list approved in accordance with rule 3745-506-450 of the Administrative Code.
- (b) For ground water monitoring wells screened in significant zones of saturation above the uppermost aquifer system, the parameters listed in paragraph (A)(2) of this rule or 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. 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 parameters listed in rule 3745-506-803 of the Administrative Code.
  - (2) An alternative or reduced parameter list approved in accordance with rule 3745-506-450 of the Administrative Code.