

3745-599-60

**Approved sampling and characterization procedures for the beneficial use of a beneficial use byproduct.**

[Comment: For dates of non-regulatory government publications, publications of recognized organizations and associations, test methods, federal rules, and federal statutory provisions referenced in this rule, see rule 3745-599-03 of the Administrative Code titled "Beneficial use - incorporation by reference."]

- (A) A characterization required by a permit issued pursuant to this chapter shall be conducted in accordance with the permit.
- (B) A characterization required by this chapter to determine whether a beneficial use byproduct can be beneficially used shall be conducted in accordance with one or a combination of the following applicable methods or other methods deemed acceptable by the director:
- (1) "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (SW-846)," including the following:
    - (a) Method 1311, "Toxicity Characteristic Leaching Procedure."
    - (b) Method 1312, "Synthetic Precipitation Leaching Procedure."
    - (c) Method 3050B, "Acid Digestion of Sediments, Sludges, and Soils."
    - (d) Method 3500C "Organic Extraction and Sample Preparation."
    - (e) Method 6010D, "Inductively Coupled Plasma-Optical Emission Spectrometry."
    - (f) Method 7000B or 7010, "Flame Atomic Absorption Spectrophotometry," or "Graphite Furnace Atomic Absorption Spectrophotometry."
    - (g) Method 8081B, "Organochlorine Pesticides by Gas Chromatography."
    - (h) Method 8082A, "Polychlorinated Biphenyls (PCBs) by Gas Chromatography Guidance."
    - (i) Method ~~8260B~~8260D, "Volatile Organic Compounds by Gas Chromatography/ Mass Spectrometry (GC/MS)."
    - (j) Method ~~8270D~~8270E, "Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)."
    - (k) Method 9095B, "Paint Filter Liquids Test."

(2) Methods described in the following publications:

(a) "Standard Methods for the Examination of Water and Wastewater."

(b) "Methods for Chemical Analysis of Water and Wastes (EPA 600/4-79/020)."

(c) "Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms, (EPA-821-R-02-012)."

(3) Other United States environmental protection agency methods or other methods that demonstrate to the satisfaction of the director that the results of the analysis adequately represent constituent concentrations in the beneficial use byproduct.

Effective:

Five Year Review (FYR) Dates: 3/31/2022

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Certification

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Date

Promulgated Under: 119.03  
Statutory Authority: 3734.02, 6111.03, 6111.32, 6111.035  
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