

3745-90-04

Harmful algal blooms - analytical methods and reporting.

- (A) ~~Until one year after the effective date of this rule, microcystins analysis shall be performed by a laboratory found to be acceptable to the Ohio environmental protection agency. Beginning one year from the effective date of this rule, microcystins~~ Microcystins analysis shall be performed by a laboratory certified by the director pursuant to Chapter 3745-89 of the Administrative Code. However, if a laboratory found to be acceptable submits a complete application for certification in accordance with rule 3745-89-04 of the Administrative Code, the laboratory may continue to perform microcystins analysis until action is taken on the application.
- (B) ~~Until the director determines there is sufficient certified laboratory capacity for cyanobacteria screening and no earlier than one year after the effective date of this rule, the Ohio environmental protection agency division of environmental services will perform cyanobacteria screening. After the director determines there is sufficient certified laboratory capacity for cyanobacteria screening, cyanobacteria~~ Cyanobacteria screening required by this chapter shall be performed by a laboratory certified by the director pursuant to Chapter 3745-89 of the Administrative Code.
- (C) In addition, analysis required by this chapter shall be conducted in accordance with the following analytical methods and time frames:
- (1) Cyanobacteria screening: "Ohio EPA DES method 705.0, Ohio EPA quantitative Polymerase Chain Reaction (qPCR) Multi-Plex Molecular Assay for Determination of Cyanobacteria and Cyanotoxin-Producing Genes Analytical Methodology" version 1.0 (September 2018) ~~method accepted by the director~~ or another method accepted by the director in writing. Samples must be analyzed within seven days of collection.
 - (2) Microcystins: "Ohio EPA DES method 701.0, Ohio EPA Total (Extracellular and Intracellular) Microcystins - ADDA by ELISA Analytical Methodology" version ~~2.2 (November 2015)~~ 2.4 (November 2021) or another method accepted by the director in writing. Except where otherwise noted in this chapter and notwithstanding the holding time specified in the method, samples must be analyzed within five days of collection.
- (D) Reporting of analytical data for determining compliance with this chapter shall be completed in accordance with rule 3745-89-08 of the Administrative Code.
- (E) ~~Failure to meet paragraph (D) of this rule is a reporting violation and requires the public water system to provide tier 3 public notification in accordance with rule 3745-81-32 of the Administrative Code.~~

[Comment: This rule incorporates the "Ohio EPA DES method 701.0, Ohio EPA Total (Extracellular and Intracellular) Microcystins - ADDA by ELISA Analytical Methodology" version ~~2.2 (November 2015)~~ 2.4 (November 2021) and "Ohio EPA DES method 705.0, Ohio EPA quantitative Polymerase Chain Reaction (qPCR) Multi-Plex Molecular Assay for Determination of Cyanobacteria and Cyanotoxin-Producing Genes Analytical Methodology" version 1.0 (September 2018) by reference. Copies are available at www.epa.ohio.gov/ddagw/HAB.aspx and from the "Ohio EPA Lazarus Government Center, 50 West Town Street, Suite 700, Columbus, OH 43215." Copies can also be obtained by contacting the laboratory certification office at (614) 644-4245.]

Effective:

Five Year Review (FYR) Dates: 3/30/2022

Certification

Date

Promulgated Under: 119.03
Statutory Authority: 3745.50, 6109.04
Rule Amplifies: 3745.50, 6109.04
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