

The Ohio State University
2-Day Workshop at Stone Laboratory
Summer 2010
August 9-10

Dealing with Cyanobacteria, Algal Toxins and Taste & Odor Compounds

Non-Credit Workshop

Offered with 13- 15 Ohio EPA contact hours (TBD) for PWS Operators

Prerequisites: None, however we recommend that you complete a phytoplankton ID class prior to attending this workshop.

Description: Lecture, laboratory, and field workshop to learn about cyanobacteria, and toxins, and taste and odor compounds they create; collecting and processing methods; addressing algal toxins and taste and odor compounds in source water and water treatment plants; using remote sensing to track HABs; understanding recent initiatives at the state and national level dealing with algal toxins.

This non-credit workshop fee is \$325 that includes room and meals for one night and two days.

Objectives:

- Participants will learn basic limnology concepts that relate to harmful algal bloom (HAB) development and the problems that HABs cause
- Participants will learn which cyanobacteria are toxin and/or taste and odor producers
- Participants will learn about algal toxin characteristics and how they are removed at water treatment plants
- Participants will learn sampling and monitoring procedures for cyanobacteria and algal toxin detection
- Participants will learn reservoir and source water management strategies to deal with cyanobacteria
- Participants will learn about NOAA's remote sensing program to track HABs.
- Participants will learn about recent national and state level HAB initiatives that include tracking HABs, and new guidance for PWS operators.

Grading: Satisfactory/Unsatisfactory

Texts/ Materials: Handouts will be prepared. No texts or materials are required.

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http://www.epa.ohio.gov/dsw/inland_lakes/index.aspx

<http://www.epa.ohio.gov/dsw/HAB.aspx>