

# Links to Cyanotoxin Materials and Other Resources

All materials listed below can be found on Idaho DEQ's the workshop registration page:

<http://www.deq.idaho.gov/assistance-resources/conferences-trainings/2018-source-water-protection-workshop/>

## EPA Technical Resources

### **Cyanobacterial Harmful Algal Blooms in Water Home Page**

<https://www.epa.gov/nutrient-policy-data/cyanobacterial-harmful-algal-blooms-water>

#### **Guidelines and Recommendations**

Legislative status of HABs, cyanobacteria and cyanotoxins, and information on health-based standards or guidelines for cyanobacteria/cyanotoxin in drinking water and recreational water.

<https://www.epa.gov/nutrient-policy-data/guidelines-and-recommendations>

#### **Control and Treatment**

A summary of methods to prevent cyanobacterial blooms and mitigate the presence of HABs in surface water. Information on contingency planning to deal with cyanobacteria and their toxins.

<https://www.epa.gov/nutrient-policy-data/control-and-treatment#what2>

#### **State Resources**

Resources and laboratories that conduct sample analyses for each state.

<https://www.epa.gov/nutrient-policy-data/states-resources>

### **Recommendations for Public Water Systems to Manage Cyanotoxins in Drinking Water**

A support document for states and public drinking water systems (PWSs) to assist them as they consider whether and how to manage cyanotoxins in drinking water.

<https://www.epa.gov/sites/production/files/2017-06/documents/cyanotoxin-management-drinking-water.pdf>

### **Cyanotoxin Management Plan Template and Example Plans**

A framework for states, tribes and public water systems to develop their own system-specific cyanotoxin management plans. The template includes potential steps for preparing for a bloom and mitigating the effects of a bloom including monitoring, treatment and communication activities.

<https://www.epa.gov/ground-water-and-drinking-water/cyanotoxin-management-plan-template-and-example-plans-0>

### **Water Treatment Optimization for Cyanotoxins**

Support for public water systems in developing monitoring and treatment optimization approaches for cyanotoxins to achieve the best performance possible from each treatment process. It presents proactive approaches for water sampling and monitoring to help public water systems anticipate treatment needs and to treat cyanotoxins in drinking water.

[https://www.epa.gov/sites/production/files/2017-06/documents/water\\_treatment\\_optimization\\_for\\_cyanotoxins.pdf](https://www.epa.gov/sites/production/files/2017-06/documents/water_treatment_optimization_for_cyanotoxins.pdf)

## State and AWWA Resources

### **Ohio Environmental Protection Agency**

<https://epa.ohio.gov/ddagw/HAB>

### **Post Event Flushing – Ohio Department of Health**

<https://www.odh.ohio.gov/-/media/ODH/ASSETS/Files/eh/HABs/2015/HABs-Private-Home-Flushing-Plumbing.pdf?la=en>

### **AWWA Water Utility Manager's Guide to Cyanotoxins**

<http://www.waterrf.org/PublicReportLibrary/4548a.pdf>

## Public Health Resources

### **U.S. EPA Cyanotoxin Drinking Water Health Advisories**

Under the SDWA, EPA may publish Health Advisories (HAs) for contaminants that are not subject to any national primary drinking water regulation.

<https://www.epa.gov/ground-water-and-drinking-water/additional-information-about-cyanotoxins-drinking-water>

### **Drinking Water Health Advisory Documents for Cyanobacterial Toxins**

<https://www.epa.gov/ground-water-and-drinking-water/drinking-water-health-advisory-documents-cyanobacterial-toxins>

### **CDC - Technical Assistance in State and Local Response to Harmful Algal Blooms**

[https://www.cdc.gov/nceh/hsb/cwh/technical\\_hab.htm](https://www.cdc.gov/nceh/hsb/cwh/technical_hab.htm)

## **Emergency Response Resources**

### **Mutual Aid and Assistance for Drinking Water and Wastewater Utilities**

A mutual aid and assistance network provides water and wastewater utilities with the means to quickly obtain help in the form of personnel, equipment, materials and associated services from other utilities to restore critical operations impacted during an emergency.

<https://www.epa.gov/waterutilityresponse/mutual-aid-and-assistance-drinking-water-and-wastewater-utilities>

### **Planning for an Emergency Drinking Water Supply**

[https://www.epa.gov/sites/production/files/2015-03/documents/planning\\_for\\_an\\_emergency\\_drinking\\_water\\_supply.pdf](https://www.epa.gov/sites/production/files/2015-03/documents/planning_for_an_emergency_drinking_water_supply.pdf)

### **Drinking Water Cyanotoxin Risk Communication Toolbox**

A ready-to-use, "one-stop-shop" to support public water systems, states and local governments in developing their own risk communication materials. It includes editable worksheets, press release templates, social media posts, FAQs, factsheets and other quick references.

<https://www.epa.gov/ground-water-and-drinking-water/drinking-water-cyanotoxin-risk-communication-toolbox>

## **Training Resources**

### **Drinking Water Webinar: Conventional Treatment Options for Harmful Algal Blooms**

<https://www.youtube.com/watch?v=xDyLf0TggLo&feature=youtu.be>

### **EPA's Tools for Cyanobacteria and Cyanotoxins in Freshwater Systems Webinar**

<https://www.epa.gov/nutrient-policy-data/epas-tools-cyanobacteria-and-cyanotoxins-freshwater-systems>

### **Water Treatment Optimization for Cyanotoxins**

<https://www.epa.gov/sites/production/files/2017-06/documents/water-treatment-optimization-cyanotoxins.pdf>

### **Cyanotoxin Risk Management for Drinking Water Systems**

<https://www.epa.gov/sites/production/files/2017-06/documents/cyanotoxin-risk-management-drinking-water-systems.pdf>

### **Communicating the Risks of Cyanotoxins in Drinking Water**

<https://www.epa.gov/sites/production/files/2017-06/documents/communicating-risks-cyanotoxins-drinking-water.pdf>

## **Source Water Protection Tools**

**SWA Online** provides information on the assessed public water system sources (well, spring, or surface water intake), including a potential contaminant inventory, susceptibility (to contamination) summary, maps (both a static and dynamic map) of the source water delineation. [www2.deq.idaho.gov/water/swaOnline/Search](http://www2.deq.idaho.gov/water/swaOnline/Search)

**Source Water Protection Activity Guide** identifies potential sources and types of contamination that could threaten public drinking water sources (source water) and presents protection activities that can be implemented to better protect source water from contamination. <http://www.deq.idaho.gov/water-quality/source-water/activity-guide/>

**Source Water Protection Planning Tool** assists public water systems in developing a source water protection plan and contingency plan for their water system. <https://www2.deq.idaho.gov/water/swpp>