

U.S. EPA Office of Science and Technology Webinar

Preparing for HABs Season: Planning and Responding to Cyanotoxins in Drinking Waters

DATE: Thursday, April 25th, 2019

TIME: 11:00 – 1:00pm EST

AUDIO AND LOG-IN INFORMATION

Adobe Log-in: <http://epawebconferencing.acms.com/habs1/>

Audio: Computer audio (VoIP or Voice over Internet Protocol), or by phone 866-299-3188; 2025660412#

PRESENTATIONS AND RECORDING

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

SUMMARY

This webinar will focus on various EPA tools and resources that can be used by public water systems to manage cyanobacteria and cyanotoxins in drinking waters, as well as learning the lessons learned from the cyanotoxins event in the City of Salem, Oregon in 2018.

AGENDA

| TIME | PRESENTATION | SPEAKER |
|---------------|---|--|
| 11:00 | Welcome | Lesley D'Anglada Office of Science and Technology |
| 11:00 - 11:20 | Drinking Water Health Advisories for Cyanotoxins | Lesley D'Anglada Office of Science and Technology |
| 11:20 - 11:50 | U.S. EPA's Support Tools for Managing Cyanotoxins in Drinking Water | Katherine Foreman Office of Ground Water and Drinking Water |
| 11:50 - 12:20 | Developing Monitoring and Treatment Optimization Approaches | Tom Waters, Office of Ground Water and Drinking Water, TSC |
| 12:20 - 12:40 | Lessons Learned from the City of Salem Cyanotoxins in Drinking Water Event | Dwayne Barnes City of Salem, Oregon |
| 12:40 - 1:00 | Questions and Discussion | |
| 1:00pm | Adjourn | |

FOR MORE INFORMATION

Visit the [EPA's Cyanobacterial HABs Website](#)

PRESENTERS BIOGRAPHIES AND CONTACT INFORMATION

Lesley D'Anglada, U.S. EPA Office of Science and Technology

Dr. Lesley D'Anglada is a Senior Microbiologist and HABs lead for the U. S. EPA Office of Science Technology (OST). She is the manager of the EPA Drinking Water Health Advisories for Cyanotoxins and the EPA CyanoHABs website. Lesley is the Office of Water representative on the National HABs Committee, the Interagency Working Group for HABHRCA (Harmful Algal Blooms, Hypoxia, Research and Control Act), and an expert member of the World Health Organization's Water Quality and Health Technical Advisory Group (WQTAG). She is the author of the Freshwater HABs Newsletter and co-editor of the *Toxins* Journal, Special Issue "*Harmful Algal Blooms (HABs) and Public Health: Progress and Current Challenges*". She received her Doctorate in Public Health, Master's in Environmental Health and Bachelor's in Industrial Microbiology from the University of Puerto Rico.

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Katherine Foreman, U.S. EPA Office of Ground Water and Drinking Water

Ms. Katie Foreman is an Environmental Protection Specialist with U.S. EPA's Office of Groundwater and Drinking Water (OGWDW). She serves as OGWDW's lead on harmful algal bloom and cyanotoxin issues in drinking water. Before joining the U.S. EPA in August 2015, she was a policy analyst for the Oregon Department of Environmental Quality. Prior to working for the State of Oregon, she served for five years as a scientist focusing on Chesapeake Bay Watershed water quality issues with the U.S. EPA Region 3's Chesapeake Bay Program Office. She began her career serving as a scientist for six years with the Iowa Department of Natural Resources, focused on water quality monitoring and assessment and nonpoint source pollution. Ms. Foreman has a bachelor's and a master's degree in geography from the University of Iowa.

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Tom Waters, U.S. EPA Office of Ground Water and Drinking Water, Technical Support Center

Mr. Thomas Waters is an Environmental Engineer with U.S. EPA's Office of Groundwater and Drinking Water (OGWDW), Technical Support Center in Cincinnati, Ohio. He has a B.S. in Civil Engineering and an M.S. in Environmental Engineering from Lehigh University in Pennsylvania. As a member of U.S. EPA's drinking water optimization program (called the Area-Wide Optimization Program), Mr. Waters is the team lead on developing tools and guidance for water treatment plant optimization to address harmful algal blooms and cyanotoxins, as well as membrane filtration and contact adsorption clarifiers. His past work includes hydraulic and hydrologic modeling, and water resources studies.

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Dwayne Barnes, City of Salem, Oregon

Mr. Barnes is the Utility Operations Manager with the City of Salem Public Works Department. He is responsible for the operation and maintenance of the City's water distribution, water treatment, water quality, wastewater collection, and stormwater conveyance systems. He has been in the municipal water industry for more than 34-years, and holds certifications in water treatment, water distribution, wastewater collections, and has a BA in Business Administration. Mr. Barnes managed personnel and resources during Salem's algal toxin event in the summer of 2018, when toxins were detected in the water distribution system prompting a Do Not Drink health advisory for vulnerable populations. This event was the first algal toxin Do Not Drink health advisory in the State of Oregon.

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