U.S. EPA Office of Science and Technology Webinar

EPA's Tools for Cyanobacteria and Cyanotoxins in Freshwater Systems

DATE: Tuesday, June 6th, 2017   **TIME:** 11:00 – 1:30pm 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; 2025661125#

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, state environment and health agencies, tribes, and local governments who may benefit from the use of these tools to manage cyanobacteria and cyanotoxins in drinking and recreational water.

AGENDA

TIME	PRESENTATION	SPEAKER
11:00-11:10	Welcome	Lesley D'Anglada Office of Science and Technology
HABs MONITORING		
11:10-11:30	**Harmful Algal Bloom and Macroinvertebrate & Plankton ID Smart Device Classification Applications & Monitoring**	Jim Lazorchak Office of Research and Development Michael S. Waters Northern Kentucky University
11:30-11:50	**Key Findings of the National Lakes Assessment (NLA) 2012**	Amina Pollard Office of Wetlands, Oceans and Watersheds
Other EPA Tools	An Approach to Educating, Monitoring, and Managing Harmful Algal Blooms	*Hilary Snook* *U.S. EPA Region 1* *April 26, 2017, Webinar Recording*
	Cyanobacteria Assessment Network	*Blake Schaeffer* *Office of Research and Development* *February 3, 2017, Webinar Recording*

TIME	PRESENTATION	SPEAKER
HABs PREVENTION		
11:50-12:10	**Preventing HABs at the Source: Tools and Strategies for Effective Source Water Protection**	Bo Williams Office of Ground Water and Drinking Water
Other EPA Tools	[Publicly-Available GIS Applications, Data Resources, and Analytical Tools](#)	*Bo Williams Office of Ground Water and Drinking Water March 28, 2017, [Webinar Recording](#)*
TREATMENT FOR CYANOTOXINS IN DRINKING WATER		
12:10- 12:30	**Developing Monitoring and Treatment Optimization Approaches**	Tom Waters, Office of Ground Water and Drinking Water, TSC
Other EPA Tools	[Recommendations for Public Water Systems to Manage Cyanotoxins in Drinking Water](#)	*Hannah Holsinger Office of Ground Water and Drinking Water May 18, 2016, [Webinar Recording](#)*
	[Removal capabilities of common treatment processes and facility evaluation strategies and performance improvement](#)	*Nicholas Dugan Office of Research and Development May 31, 2016, [Webinar Recording](#)*
OUTREACH AND COMMUNICATION		
12:30-12:50	**Cyanotoxin Risk Management for Drinking Water Systems**	Hannah Holsinger Office of Ground Water and Drinking Water
12:50-1:10	**Communicating the Risks of Cyanotoxins in Drinking Water**	Katherine Foreman Office of Ground Water and Drinking Water
1:10-1:30	**Tools for Cyanotoxins in Recreational Waters**	Lars Wilcut Office of Science and Technology
1:30pm	Adjourn	

FOR MORE INFORMATION

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

PRESENTERS BIOGRAPHIES AND CONTACT INFORMATION

Michael S. Waters, Northern Kentucky University
Dr. Michael Waters is an Associate Professor in the Department of Mathematics & Statistics at Northern Kentucky University. His interests include image analysis and machine learning, with specific applications in the Biological Sciences with the goal of environmental monitoring and protection. Currently, Dr. Waters is working to develop artificial neural networks to perform classification tasks.
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Amina Pollard, U.S. EPA Office of Wetlands, Oceans and Watersheds
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Bo Williams, U.S. EPA Office of Ground Water and Drinking Water
Mr. James (Bo) Williams is a Biologist in the Drinking Water Protection Division of EPA's Office of Ground Water and Drinking Water in Washington, DC. As a member of the Source Water Protection program, he manages geospatial analyses and outreach in a variety of projects to protect sources of drinking water and supports the national Source Water Collaborative. Prior to joining EPA, Mr. Williams worked on watershed restoration and planning projects with the California Department of Fish & Wildlife and the City of San Francisco, as well as on several nonprofit initiatives in Michigan and the Potomac River watershed. He has an MS in Environmental Planning from the University of Michigan and a BA in history from Kenyon College.
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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), Ms. 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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Hannah Holsinger, U.S. EPA Office of Ground Water and Drinking Water
Ms. Hannah Holsinger is a physical scientist with the U.S. EPA. She currently serves as the drinking water program's cyanotoxin team lead for OGWDW. In addition to her cyanotoxin work in OGWDW, Ms. Holsinger works on the microbial Contaminant Candidate List and has worked on the Endocrine Disruptor Screening Program and on the Legionella support document on treatment technologies for premise plumbing. Prior to joining the U.S. EPA in 2011, she was a public health fellow in OGWDW for two years. Ms. Holsinger has a B.S. in Biological Sciences with a second major in Food Science and Technology from Virginia Tech and a Master of Public Health, focusing on environmental health, from the University of Kentucky.
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Katherine Foreman, U.S. EPA Office of Ground Water and Drinking Water
Ms. Katie Foreman is a physical scientist with U.S. EPA OGWDW with a primary focus on harmful algal bloom issues in drinking water and source waters. Before joining the U.S. EPA in August 2015, she was a

water infrastructure policy analyst for the Oregon Department of Environmental Quality. Prior to work with the State of Oregon, Ms. Foreman served for five years as a scientific and technical expert on water quality issues in the Chesapeake Bay Watershed with the U.S. EPA Region 3's Chesapeake Bay Program Office. Prior to her work with the Chesapeake Bay Program, she was 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. E-mail: Foreman.Katherine@epa.gov; Phone: 202-564-3403

Lars Wilcut, U.S. EPA Office of Science and Technology
Mr. Lars Wilcut is a team leader in U.S. EPA's Water Quality Standards Program. His team focuses on implementation of the U.S. EPA's Clean Water Act section 304(a) ambient water quality criteria. He, Tracy Bone, and John Healey are developing materials to help states develop and implement recreational water programs for cyanotoxin and cyanobacteria monitoring.
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