

THE U.S. ALGAL TOXIN CONFERENCE

University of Akron, Akron, Ohio, April 28 - 30, 2015

Presented by the Akron Global Water Alliance & the Netherlands Water Alliance

Opportunity of up to 13.0 hours of Ohio EPA certified CEUs and PDHs

Tuesday, April 28, 2015

Up to 4.0 hrs of CEUs

9:00 am – 4:00 pm **Tours of Akron Watershed Reservoirs, Water Plant, Water Reclamation Facility and Bio Energy Facility.** Depart at 9:00 am from Akron Hilton Garden Inn (1307 East Market Street, Akron, OH) .Requires extra charge \$35 which includes lunch. Transport provided. *4.0 CEU hrs*

Wednesday, April 29, 2015

Up to 4.75 hrs of CEUs

7:00 - 7:30 am Exhibitor set up

7:30 – 8:45 am Breakfast and Registration

8:45 – 9:00 am **Welcome:** Mayor Donald Plusquellic, City of Akron

9:00 – 9:15 am **The Akron Global Water Alliance - New solutions for emerging issues like HAB**
Speaker: Jeff Bronowski, BS, Manager, Water Supply Bureau, City of Akron

9:15 – 10:30 am **A Panel on the Civic & Economic Ramifications of an Algal Toxic Event**
Speaker: Multiple Panel Participants

10:30 – 10:45 am Break

10:45 – 11:15 am **Toledo Water Update: Accelerating the City's Response to HABs**
Speaker: Edward A. Moore, MBA, Director of Public Utilities, City of Toledo, Ohio

11:15 – 11:45 am **Innovative Water Technology, a Dutch approach**
Speaker: Hein Molenkamp, Managing Director, Netherlands Water Alliance

11:45 – 12:00 pm Break/Prepare for Lunch

12:00 – 1:00 pm Lunch

Wednesday Afternoon, April 29, 2015

	Track 1	Track 2	Track 3
1:00 – 1:30 pm	<u>TreeFrog Environmental</u> Understanding the ecology and monitoring tools for cyanobacteria blooms impacting a water treatment plant Speaker: Jill Crumb BSc. <i>Owner</i>	<u>HammonTree</u> Control of toxic algal blooms in surface waters Speaker: Jurate Virkutyte, PhD <i>Chief Environmental Officer</i>	<u>LG Sonic & American Water</u> Use of Ultrasound technology to control algae in lakes & water reservoirs Speakers: Lisa Brand <i>Manager, LG Sonic</i> Orren Schneider, PhD <i>Manager, Water Technology in Innovation & Environmental Stewardship, American Water</i>
10 Minute Break and Refreshments			
1:40 – 2:10 pm	<u>KWR</u> Cyanobacteria & Cyanotoxins no problem for drinking water from surface water in the Netherlands Speaker: Edwin Kardinaal, PhD <i>Scientific Researcher</i>	<u>Fluid Imaging Technologies</u> Laser Fluorescence Detection, Phycocyanin & its relationship to cyanobacteria Speaker: Michael Cohrs, BSc <i>Applications Engineer</i>	<u>Diagnostic Technology</u> Development & standardization of the Phytoxigene Cyano/DTec Test: a rapid molecular assay for the routine monitoring & differentiation of toxin producing cyanobacterial blooms. Speaker: Mark Van Asten, BSc. <i>Managing Director, Founder</i>
10 Minute Break and Refreshments			
2:20 – 2:50 pm	<u>University of Akron</u> Full-Scale Water Treatment Process Operations Evaluation for HAB Management Speaker: Christopher Miller, PhD, PE <i>Associate Professor</i>	<u>ABS Materials</u> Testing of new filter media to remove undesired molecules produced by Algae- <i>Osorb media products for the Selective Removal of Microcystin</i> Speaker: Paul Edmiston, PhD <i>Chief Science Officer</i>	<u>UbiQtex</u> AquaSafe - An online system for collection and reporting of Lake monitoring data including HAB and cyanotoxin data Speaker: David Bitton, BA, LLB <i>Owner</i>
10 Minute Break and Refreshments			
3:00 – 3:30 pm	<u>MicroLAN</u> Online monitoring as an early warning system for algae growth in reservoirs Speaker: Joep Appels, HBO-A <i>Owner</i>	<u>Beagle Bioproducts</u> HABs: Natural Disaster or Natural Resources? Speaker: Stephanie Smith, PhD <i>Co-founder & COO/ CSO</i>	<u>University of Amsterdam</u> Selective Suppression of Harmful Cyanobacteria in an Entire Lake using Hydrogen Peroxide Speaker: Hans Matthijs, PhD <i>Associate Professor</i>
Sessions End			
4:00- 6:00pm	Networking Event (Complimentary Refreshments and Appetizers) at the Akron Hilton Garden Inn		

Thursday, April 30, 2015

Up to 4.0 hrs of CEUs

- 8:00 – 9:00 am Continental Breakfast, Refreshments and Registration
- 9:00 – 9:30 am **Ohio EPA 1: Occurrence of Cyanotoxins in Ohio Public Water System Source & Finished Waters**
Speaker: Heather Raymond, MS, PWS HAB Coordinator,
Division of Drinking & Ground Waters.
Ohio EPA
- 9:30 – 10:00 am **Ohio EPA 2: State of Ohio Response to Cyanotoxins in Drinking Water due to Microcystins**
Speaker: Mike Baker, BS, Chief, Division of Drinking and Ground Waters,
Ohio EPA
- 10:00 – 10:15 am Break
- 10:15 – 10:45 am **New NALMS Position Statements – Changes in US EPA Policy Implementing the Clean Water Act and Required to Restore Water Quality in the Nation’s Lakes & Reservoirs**
Speaker: H. Kenneth Hudnell, PhD, V.P. and Director of Science,
Medora Corporation
- 10:45 – 11:15 am **The Ecological & Economic importance of Lake Erie: the impacts of Harmful Algal Blooms & Current Research Efforts**
Speaker: Christopher J. Winslow, PhD, Ohio Sea Grant Collect Program
Center for Lake Erie Area Research
- 11:15 – 11:45 pm **The Water Research Foundation’s perspective on Algal Toxins**
Speaker: Kim Linton, BS
Project Manager and Sr. Account Manager
Water Research Foundation
- 11:45 – 12:00 pm Break/Prepare for Lunch
- 12:00 – 1:00 pm Lunch

Thursday, April 30, 2015

	Track 1	Track 2	Track 3
1:00 – 1:30 pm	<u>Deltares</u> EWACS: an early warning system for Cyanobacterial Scums Speaker: Miguel Dionisi, PhD <i>Researcher</i>	<u>Stantec</u> Cyanotoxin Removal in Drinking Water Treatment: Development of Sophisticated Calculation Tool for Operations Speaker: Leigh McDermott, MSc <i>Sector Leader & Corporate Process Lead</i>	<u>Amiad Water Systems</u> Filtration solutions for HABs Speaker: Eric Peterson, MBA <i>Director of Sales</i>
10 Minute Break and Refreshments			
1:40 – 2:10 pm	<u>City of Columbus</u> Monitoring & Response to Cyanobacteria in a Drinking Water Source Speaker: Rod Dunn, MBA <i>Manager, Water Quality Assurance Laboratory</i>	<u>HDR Inc.</u> Review of Physical Techniques to Manipulate Blue-Green Algal Populations in Drinking Water Supply Reservoirs Speaker: Dr. Lorin Hatch, PhD <i>Sr. Water Quality Specialist</i>	<u>CyMonS</u> Cyanobacteria Monitoring by satellite, hand held monitors & water spectrometers Speaker: Hans Wouters, M.Sc <i>Partner</i>
10 Minute Break and Refreshments			
2:20 – 2:50 pm	<u>U S EPA</u> Analysis of high-frequency water quality data collected during a cyanoHAB event on an inland, multi-use reservoir Speaker: Joel Allen, PhD <i>Environmental Scientist</i>	<u>U S Geological Survey</u> Predicting harmful cyanobacterial algal blooms at Lake Erie & Ohio inland lake waters. Speaker: Donna Francy, MSc <i>Hydrologist, Water Quality Specialist</i>	<u>Veolia</u> Best Practices for Algal Toxin Control in Water – Veolia’s Perspectives Speaker: Marvin Gnagy PE <i>Water Process Manager</i>
10 Minute Break and Refreshments			
3:00 – 3:30 pm	<u>Black & Veatch</u> Algal Toxin Removal at Ambient and High pH conditions Speaker: Jeff Neemann, MS <i>Director. Water Treatment Technology</i>	<u>Arcadis</u> Algal Toxin Removal Using Dissolved Air Flotation, Activated Carbon and Ozone Speaker: Caroline Russell, PhD <i>Principal Environmental Engineer</i>	<u>Environmental Design Group</u> Watershed Master Planning as a tool for HAB management Speakers: Jeffrey Kerr, BS, AICP, ASLA <i>Principal</i> James Demboski, BS, PE <i>Director, Water & Wastewater Resources</i>
Event Close			