



## **Reservoir Management**

*Strategies for Harmful Algal Blooms  
at Drinking Water Sources in Ohio*

*One-Day Training Event*



**Thursday, June 27, 2019**

### **LOCATION**

Quest Conference Center  
8405 Pulsar Place  
Columbus, OH 43240

### **Seminar Facilitator**

*"Ohio's Environmental Training Center"*



*Since 1964*

**Operator Training Committee of Ohio, Inc.**  
3972 Indianola Avenue, Columbus, OH 43214  
(614) 268-6826 Phone  
(614) 268-3244 Fax

**OPERATOR TRAINING COMMITTEE OF OHIO, INC.**  
3972 Indianola Avenue  
Columbus, OH 43214-3158

### **HOW TO REGISTER:**

**Registration Fee: \$150**

Registration fees include refreshments, lunch, handouts, and tracking of attendee's training records in the OTCO Student Transcript web site. To register for this event, send your completed registration form by mail, fax, or email to OTCO by June 24, 2019. You can also register online at: [www.otco.org](http://www.otco.org)

Once your registration is processed, an email confirmation is forwarded.

### **PAYMENTS**

Payment for this event should be made payable to OTCO and can be made by check, or credit card. In order to invoice your company, a Purchase Order must accompany registrations.

### **CANCELLATIONS**

No cancellation fee for cancellations received in writing five days before the scheduled event. Cancellations received in the five days before the event is subject to a \$25 per day service charge. Substitutions are permitted however; NO REFUND FOR THOSE WHO REGISTER AND FAIL TO ATTEND.

**Send written cancellations to:**

Email: [otco@otco.org](mailto:otco@otco.org) or Fax (614) 268-3244

### **ACCOMMODATIONS**

Hampton Inn & Suites - Columbus  
8411 Pulsar Pl, Columbus, OH 43240

Phone: 614-885-8400

Rate is \$115 – ask for the OTCO rate

Deadline date – June 17th



# Reservoir Management

## Thursday, June 27, 2019

### Strategies for Harmful Algal Blooms at Drinking Water Sources in Ohio

#### Agenda

Approximate Time: 8:00 AM – 3:30 PM  
(6.00 Contact hours will be provided)

7:30am Registration Opens: Refreshments Provided

8:00am Welcome and Announcements

- Overview of Reservoir Management for HABs  
*Ruth Briland (OEPA)*

- Drivers of Cyanotoxin Production  
*Tim Davis (BGSU)*

- Algaecide Selection and Reservoir Treatment  
*Liz Crafton, Hazen & Sawyer, University of Akron*

10:00am Break (10 minutes)

- Alum Treatment for Phosphorus Inactivation  
*Heather Raymond (OEPA) &  
Jessica Glowczewski (Akron PWS)*

- Source Water Protection Planning  
*Steve Saines (OEPA)*

11:30am Lunch (included)

- Sonication to Prevent HABs  
*Linda Weavers (OSU)*

- Model Correlations and Forecasting Using Virtual Beach  
*Erin Stelzer & Amie Brady (USGS)*

1:30pm Break (10 minutes)

- Panel Presentations and Directed Discussion with Public Water Systems:

Aqua Ohio Struthers – George McGinnis  
Del-Co – Jeff Kauffman  
Wilmington – Rick Schaffer  
Akron – Charles Lacey & Robert Holms  
Barberton – (invited)

- Monitoring for HABs with Data Sondes  
*Kyle Kaminski (Xylem Inc)*

Potential for sonde/sensor calibration during workshop!

Please contact Kyle Kaminski: [kyle.kaminski@xyleminc.com](mailto:kyle.kaminski@xyleminc.com)

3:30 Adjourned



#### SEMINAR OVERVIEW

Monitoring and proactive management of surface waters can improve the quality of raw drinking water and reduce compliance monitoring for total microcystins and treatment costs. Learn from technical experts and fellow operators on the current science and practices to protect drinking water sources from cyanotoxins and cyanobacterial blooms. For additional information:

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

*If you have a datasonde and are interested in calibration during the workshop, please contact Kyle Kaminski prior to the workshop for details: [kyle.kaminski@xyleminc.com](mailto:kyle.kaminski@xyleminc.com)*

#### WHO SHOULD ATTEND

Current local, state and federal government employees and academics involved in all aspects of harmful algal bloom (HAB) monitoring, research, and management.

#### TRAINING LOCATION

Quest Conference Center  
8405 Pulsar Place \* Columbus, OH 43240

#### CONTACT HOURS

OTCO will be handling Contact Hours for Ohio EPA Certified Operators. Contact Hours from this training event will be included in the attendee's official transcript page, located at: [www.otco.org/student-transcript](http://www.otco.org/student-transcript). You will need your OTCO Student ID and PIN to access your data.

#### OHIO EPA EBIZ

Contact hours from this event will be entered into your Ohio EPA Ebiz account and are the responsibility of OTCO.

## OTCO REGISTRATION FORM

**Reservoir Management: Strategies for HAB's**  
**Thursday, June 27, 2019**

REGISTRATION FEE:  \$150  
 \$175 after 6/24/2019

OTCO STUDENT ID #:	
FIRST NAME	
LAST NAME	
TITLE	
EMPLOYER	
ADDRESS (1)	
ADDRESS (2)	
CITY	
STATE	ZIP
BUS. TELEPHONE (    )    -    ext	
FAX (    )    -    (for confirmations)	
EMAIL ADDRESS	
Please check & initial if the above information needs to be updated in the OTCO Training Tracking System. <input type="checkbox"/>	
CHECK/MONEY ORDER #	
P.O. #	
<input type="checkbox"/> Please invoice my company	
Charge to my credit card account: <input type="checkbox"/> Visa <input type="checkbox"/> MasterCard <input type="checkbox"/> Discover <input type="checkbox"/> AMEX	
Billing Zip Code                      (For security purposes)	
CARD NUMBER: 	
NAME ON CARD	
EXP. DATE /	CCV CODE
x _____ CARD HOLDER SIGNATURE	

**MAIL OR FAX THE COMPLETED FORM TO**  
**OPERATOR TRAINING COMMITTEE OF OHIO, INC.**  
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