20th Annual Laboratory Symposium

Current Issues Impacting Drinking Water Laboratories:

“Two Decades of Providing Quality Information for Water Laboratory Analysts”

0.6 CEUs — Equivalent to 6.0 Training Contact Hours (TCHs)

- A 1-day interactive learning experience developed for and by drinking water laboratory professionals.
- Featuring exhibits of lab-related services!

October 9, 2019 | 8:30 AM to 4:00 PM | NEWWA Training Center, Holliston, MA

presented by the NEWWA Laboratory Operations Committee

TARGET AUDIENCE

Current Issues Impacting Drinking Water Laboratories is a unique learning forum targeted to identify and present key concepts related to the successful operation and maintenance of a water quality laboratory. Drinking water and wastewater laboratory managers and staff (public and private), and water operators that perform testing and data compliance reporting will find this program of interest.

HOW THE SYMPOSIUM WILL BE CONDUCTED

Please plan to arrive early and leave time to visit the exhibitors while enjoying coffee and pastries. Learn about new products and interact with all exhibitors to thank them for their support of the symposium.

After an introduction and welcome, Al Cowie will discuss the manufacture of sodium hypochlorite and the possible creation of by-products during its storage. Next, Ed Dowling and Jamie O’Connor will present on concerns of road salt runoff in source water, followed by Robert Rostkowski who will discuss the use of and compliance requirements of the EPA Compliance Monitoring Data Portal.

After a short break, the symposium will resume with the start of small groups visiting two of four small 30-minute interactive learning stations (see agenda for details). All learners will be required to complete ALL 4 stations to receive credit for attending the symposium.

Lunch will be served, with sufficient time to allow for all to visit exhibitor booths.

After lunch, time has been allotted to make a presentation of the George C. Whipple Award to a deserving laboratory, if one is selected. A presentation by Ellie Kwong on the requirements of the WIINS Act related to the Lead and Copper Rule will take place, before all take time to visit the last of the four learning stations. After a short break, Randi McCuin will present findings from ongoing research in dealing with opportunistic pathogens in premise plumbing. Concluding will be Stephen Knowlmleyer who will discuss the current challenges of testing for perfluorinated compounds (PFAS, PFOA, etc.) using approved methods for sampling and analysis.

SYMPOSIUM LEARNING OUTCOMES

Learning outcomes, how learning outcomes will be assessed, assessment feedback, prerequisites, and technology requirements can be obtained by contacting NEWWA at (508) 893-7979 or visiting newwa.org.

SYMPOSIUM PRESENTERS

FEATURED SYMPOSIUM PRESENTERS: Al Cowie, Regional Health and Safety Manager, Univar USA Inc., Cincinnati, OH | Ed Dowling, Director of Water Operations, Cambridge Water Department, Cambridge, MA | Jamie O’Connor, Watershed Supervisor, Cambridge Water Department, Cambridge, MA | Bob Rostkowski*, Laboratory Administrator, MDC Lab Services, Hartford, CT | Ellie Kwong, Environmental Scientist, US EPA Region 1, Boston, MA | Randi McCuin*, Lab Director, Environmental Science, Policy, and Research Institute (ESPRI) | Stephen Knowlmleyer, Vice President, Technical Sales, Alpha Analytical, Westborough, MA

LEARNING STATION PRESENTERS: Amy Pollock*, Sales Development Manager, HACH Company, Loveland, CO | Krystyna Mclnally*, Water Quality Supervisor, Cambridge Water Department, Cambridge, MA | David Reckow, Ph.D., Professor, UMass, Amherst, Amherst, MA | Mario Tricomi, Chief Water Plant Operator, Salem-Beverly Water Treatment Plant, Beverly MA | Hannah A. Lee, Chemist I, MWRA, Southborough, MA

*Member of the NEWWA Laboratory Operations Committee

Photograph and Information Release: Photographs will be taken at this event. By registering for this event you agree to allow NEWWA to use your photo in any NEWWA-related publication or social media site.
**SYMPOSIUM AGENDA**

- Check-in, Registration, and Coffee and Pastry with Exhibitors
- Welcome and Introduction, Background, Orientation, Purpose, and Learning Outcomes
- "Manufacturing of Sodium Hypochlorite and Possible Storage By Products"
- "Testing For the Presence of Road Salt in Source Water: A Case Study"
- "How CT Utilities are Complying with the New EPA Electronic Reporting System, the Compliance Monitoring Data Portal (CMDP)"
- Break
- **Interactive Learning Stations Begin:** All participants will be divided into small breakout groups and visit each of four, 30-minute duration learning stations: two before lunch and two after lunch. In order to receive credit for attendance, participants MUST visit ALL FOUR stations.
  - **LEARNING STATION #1** (30 minutes): "Proper Calibration and Maintenance of Benchtop and Online Laser Turbimiders"
  - **LEARNING STATION #2** (30 minutes): "Using the UMass, Amherst Mobile Laboratory to Solve New Water Treatment Challenges"
  - **Lunch, Exhibits, and Presentation of George C. Whipple Public Health Laboratory Award of Excellence (if applicable)"
  - "Lead and Copper Rule Update and WIINS Act Requirements for Public Water Systems"
- Completion of Final Learning Station:
  - **LEARNING STATION #3** (30 minutes): "Developing and Utilizing Bulk Chemical Acceptance Practices For Dry and Liquid Chemicals (quicklime and coagulants)"
  - **LEARNING STATION #4** (30 minutes): "Detecting Harmful Algae Blooms (HAB) and Cyanotoxins Using Test Kits"
- Break
- "Identifying and Dealing With Opportunistic Pathogens in Premise Plumbing (OPPPs)"
- "Sampling For and Successfully Detecting Perfluoridated Compounds (PFAS, PFOA, etc.)"
- Assessment and Review / Adjourn

**LOCATION**

The October 9th Laboratory Symposium will be held at the NEWWA Training Center, 125 Hopping Brook Road, Holliston, MA 01746. Visit newwa.org for detailed directions to this facility.

**HOW TO REGISTER**

NEWWA members receive a discounted fee of $195.00. The full price is $245.00. The fee covers attendance, lunch, admission to exhibits, handouts, and CEU certificate. Register online at newwa.org/training or, complete the registration form below and return by fax to (508) 893-9898 or detach and mail with a check or purchase order to: NEWWA, 125 Hopping Brook Road, Holliston, MA 01746-1471.

**SPONSORSHIP OPPORTUNITIES**

NEWWA has opportunities for companies to sponsor segments of Current Issues Impacting Drinking Water Laboratories: "Two Decades of Providing Quality Information for Water Laboratory Analysts" as well as a limited number of opportunities for exhibit booths. The exhibits must pertain to drinking water laboratory services or equipment. The cost to exhibit is $350.00 and includes a full registration to the symposium.

Sponsorship opportunities include breaks, lunch, and materials. A sponsorship opportunity is also available to offset the transportation cost of the UMass, Amherst Mobile Laboratory. If you are interested in sponsorship or exhibit booths, contact Katelyn Todesco at (508) 893-7979 X232 or email her at ktodesco@newwa.org.

**REGISTRATION FORM — CURRENT ISSUES IMPACTING DRINKING WATER QUALITY LABORATORIES**

"Two Decades of Providing Quality Information for Water Laboratory Analysts"

October 9, 2019 — Holliston, MA

**CANCELLATION / REFUND POLICY**

NEWWA reserves the right to cancel a course due to insufficient enrollment. In the event of a cancellation, you will be notified by phone and have the option of obtaining a full refund, or applying payment to the next available course. If you cannot attend you must contact NEWWA in writing two business days prior to the start of this program to request a refund or credit minus a $30 administrative fee. If you contact NEWWA within one business day you will be charged 100% of the original course registration fee. This charge is non-refundable and non-transferable. Written refund/credit request made for special circumstances will be considered if received within two weeks from the start date of this program. Credits issues are valid for six months from the date of this program. If you register within 2 days of the course add a $20 late fee.

**REGISTRATION FORM — CURRENT ISSUES IMPACTING DRINKING WATER QUALITY LABORATORIES**

"Two Decades of Providing Quality Information for Water Laboratory Analysts"

October 9, 2019 — Holliston, MA

Name: ___________________________________________ Nickname: _______________ NEWWA Member #: ________________
(As you want your name on CEU certificate) (As you want your name on badge)

Company: _______________________________________

Address: _______________________________________
City, State, Zip: ________________________________

Phone: ___________________ Fax: ___________________ Email*: ___________________
(Email address is required to receive confirmation)

**NEWWA members receive a discounted fee. Check the appropriate box below (PAYMENT IN FULL IS REQUIRED UPON REGISTRATION)**

<table>
<thead>
<tr>
<th>NEWWA Member Discounted Fee</th>
<th>$195</th>
<th>Full Price</th>
<th>$245</th>
<th>Total Fee Enclosed: $</th>
</tr>
</thead>
</table>

Method of Payment:  
- [ ] Personal Check (Payable NEWWA)  
- [ ] Company Check  
- [ ] PO Enclosed  
- [ ] MasterCard  
- [ ] Visa  
- [ ] AMEX  
- [ ] Discover

PO #: ___________________ Credit Card #: _______________ Exp: _______________ Signature: _______________

[ ] Check here if you have a disability and require accommodations to fully participate. You will be contacted by NEWWA.

**NOTE:** You must provide an email address above to receive confirmation of your registration.