



2023 NH DRINKING WATER EXPOSITION & TRADE SHOW SCHEDULE OF EVENTS

Thursday, October 19, 2023
8:00 AM — 4:00 PM

Grappone Conference Center
70 Constitution Avenue
Concord, NH



PLAN YOUR DAY

PLEASE ARRIVE EARLY - Registration starts at 7:15.
Seminar room doors will close at the start of the seminar.

SEMINARS - 2 different seminars are offered at 8:00 AM, 9:00 AM, 10:30 AM, 1:00 PM and 2:00 PM.

TRAINING CONTACT HOURS - Each seminar equals 1 Training Contact Hour (TCH). A maximum of 5 TCHS can be earned during the Expo.

RAFFLE - Each attendee will receive one free raffle ticket. Look for the prize booth in the Concord Room across from Registration. Winners will be announced during the reception at 3:15 PM. You must be present to win.

BREAKFAST REFRESHMENTS - A continental breakfast will be set up in the main exhibit hall from 9:30 to 10:30 AM. Coffee will be available throughout the day.

REGISTER - Visit our website at www.nhwwa.org/events to register. A printable form is available to download from the site.

8:00 AM SEMINARS

SUPPLY CHAINS, ISSUES AND CURRENT MARKET TRENDS IN THE WATER INDUSTRY - Pierce/Webster Room

PRESENTER: Kyle Rousseau, EJ Prescott and Chris Albert, CSA Environmental Consultants

Discussing supply chains as they relate to the waterworks industry. With major disruption over the last few years, what caused these issues, have they been resolved and how can they be more resilient going forward? What is the current state of the market today; what has gotten better; what is getting worse? Diving into raw materials, trucking, personnel, and other factors that make up the basis of supply chains related to waterworks and how it relates to everyone that is a part of it.

CYBER SECURITY AND STEPS TO IMPROVE WHAT'S COMING DOWN FROM DES, EPA - Salon C

PRESENTER: Ian Rohrbacher, City of Rochester and Randal Suozzo, NHDES

An informative session about Rochester's experience with their latest cyber security assessment, with some BMPs for systems with various levels of telemetry and remote access. How to plan an ICS buildout (analog vs ethernet, cloud vs local) and fail safes (plant shutdowns, multipronged alarms, and hardware interlocks). Plus NHDES guidance on the requirements each system needs to meet cyber security standards.

9:00 AM SEMINARS

WATER SYSTEM BASICS, EVOLUTION OF PRESSURE MONITORING - Pierce/Webster Room

PRESENTER: Brett Johnson, Clow Valve

Using real-time intelligence and insightful analytics, utilities can better understand the behavior of their water system, empowering them to implement data driven solutions to reduce water loss. What you don't know about your water system could cost you. Knowing the exact moment when your water system experiences a hydraulic event or rapid pressure fluctuations is critical. With real time alerts for pressure and temperature changes, utilities can improve response time for main breaks, accidental damage and other customer service issues. Be notified of transient events that can help prevent major issues over time and use data analytics to help prioritize capital improvement decisions. This course, "Water System Basics and the Evolution of Pressure Monitoring", will discuss new technologies that have helped to evolve how pressure is monitored throughout distribution systems using real case studies from utilities across New England.

THE PEASE TRADEPORT WATER SYSTEM'S PFAS TREATMENT EXPERIENCE - Salon C

PRESENTERS: Brian Goetz and Al Pratt, City of Portsmouth

From detection, to studies, piloting, design and construction, and operations, this talk will focus on Portsmouth's nearly ten years of lessons learned dealing with the Pease Tradeport water system's PFAS contamination. Lessons learned will include the early research on types of treatment, piloting of carbon and resin treatment systems, the retrofit and installation of temporary granular activated carbon in 2016 followed by full scale design and construction of the final treatment facility. The new facility includes both carbon and resin treatment vessels. Current operations include an ongoing pilot of other treatment filter media in order to continue to optimize treatment performance.

BREAK 10:00—10:30 AM

Be sure to visit our exhibitors!

Continental Breakfast in the Exhibit Hall.

10:30 AM SEMINARS

WATER STORAGE TANK BEST PRACTICES AND REGULATIONS - Pierce/Webster Room

PRESENTERS: Scott Kelley, Underwater Solutions

This session will review key repairs that are found during water storage tank inspections and the associated regulations and AWWA guidelines that support recommended repairs. Best practices for inspection and water storage tank maintenance will be discussed. The session will also cover current OSHA and NSF updates for water tank owners. Repairs, regulations, and best practices will focus on water quality protection, safety and security on water tanks, and coating maintenance. Specific findings and repair improvements for overflows, vents, ladders, hatches, coatings, and mixing will be presented.

SOURCE WATER PROTECTION - Salon C

PRESENTER: Liz Crafton, PhD, Hazen and Sawyer

Select Utilities have started to employ remote sensing to collect actionable information about the rivers, lakes, and watersheds they manage. Remote sensing is generally underutilized by much of the water resources community. More information and training regarding the application potential of remote sensing is needed for water utilities to adopt and utilize this emerging transformative technology. This presentation will focus on components of both a successful source water monitoring and management plan to improve source water quality and drinking water treatability by leveraging remote sensing techniques.

LUNCH 11:30 AM—1:00 PM

Please join us for a complimentary lunch! A buffet lunch will be set up in the main hall and in the back of the Pierce/Webster Room. Seating will be at tables in the two seminar rooms.

NHWWA Young Professionals will meet in the Merrimack Room.

1:00 PM SEMINARS

EPA'S LEAD AND COPPER RULE REVISIONS INCLUDING NHDES ASSISTANCE AND A UTILITY'S EXPERIENCE AND PERSPECTIVE - Pierce/Webster Room

PRESENTERS: Heather Baron and Stephanie Nistico, NHDES and Marco Philippon, City of Concord

NHDES will provide an update on the State's initiatives to assist community water systems and non transient non community water systems comply with EPA's Lead and Copper Rule Revisions (LCRR) for the upcoming October 2024 deadline. Other regulatory updates including EPA's Lead and Copper Rule Improvements (LCRI) will be discussed. Concord will discuss its experiences with gathering information on service line material, and its plan on educating customers going forward.

MANCHESTER WATER WORKS—DEVELOPMENT OF A SUPPLEMENTAL WATER SUPPLY - Salon C

PRESENTER: David Miller, PE, Manchester Water Works, and Jihyon Im, PE, CDM Smith

Manchester Water Works provides drinking water to nearly 160,000 in Manchester, NH and surrounding communities and has relied on a sole source of supply, Lake Massabesic, for nearly 150 years. Current average daily consumption, 18 MGD, is nearly 90% of Lake Massabesic safe yield (20.2 MGD). The Merrimack River was identified decades ago as the best source for additional water supply. This presentation focuses on how Manchester addressed their future water supply needs including the path leading to the construction of a radial collector well to take advantage of riverbank filtration, piloting for treatment process selection, followed by design and construction of a raw water pumping station and downstream 7.2 MGD direct filtration plant on the Merrimack River. A key design goal is to produce water from the Merrimack River source that matches the quality and character of the water from the existing Lake Massabesic supply. The new treatment facility is now complete and began operation on August 2, 2023.

2:00 PM SEMINARS

WATER WORKFORCE, NEEDS, STRATEGIES AND PROGRESS - Pierce/Webster Room

PRESENTERS: Ben Crawford, City of Laconia and Trish Kelliher, Hazen and Sawyer

The drinking water industry, like many other industries, is facing a shortage in the workforce, as retirements increase and there are seemingly fewer new recruits coming in. As we all know, safe drinking water is vital to everyday life, and cannot simply cease production, even with a shortage in workforce. During this presentation, we will discuss ways to improve recruitment, retention, and recognition of workers in the industry, as we work through this difficult time of staffing.

OPTIMIZE YOUR DATA - Salon C

PRESENTERS: Abigail Thompson Fopiano, Edgewater Strategies, LLC and Sophie Ricard, City of Concord

Join us for examples, tips, and tricks on how to make the most of the data you collect. Learn how to transfer your pen and paper notes to spreadsheets and graphs. Tabulating data allows you to create visual assessments and calculate trends in your water system operations. This can then be shared with stakeholders to make well-educated decisions on operations and improvements. We will discuss data collection from source to tap in large surface water systems and small groundwater systems. We will cover monitoring raw and treated water quality, well capacities, water use, distribution maintenance, and capital improvement planning.

RECEPTION 3:00 PM

Please join us in the main entry hall by registration for complimentary appetizers and a cash bar. Raffle winners will be announced.
