

DEVELOPING AN ASSET MANAGEMENT PLAN FOR YOUR FUTURE ENGINEERING ORGANIZATION - Salon C

PRESENTER: Roy Mundy, P.E., ENV SP, Assoc DBIA, M.ASCE Sales Operations Group, McWane Ductile

Utilities develop Asset Management Plans that pertain to physical assets within their organization. However, are engineering and utility companies focusing upon those future individuals, or potential individuals, who are their key resource in developing such plans? This presentation takes the key components of an Asset Management Plan and applies those to organizational structure by coupling the findings of an internationally published research study which highlights motivational traits and value systems of incoming generations. Obviously, to attract and retain the best and the brightest, an environment must be developed and maintained in order for such individuals to be productive.

2:00 PM SEMINARS

LSL Inventory Contracts and Grants/Regulatory Update - Pierce/Webster Room

PRESENTERS: Cynthia Klevens, P.E., and Jennifer Mates, P.E. NHDES Drinking Water and Groundwater Bureau

NHDES is working with various consultants to develop a new LSL Inventory Mapping and Data Collection Portal and assisting small water systems to complete their own service line materials inventories which are due by October 2024 as part of the federal LCR Revisions. A new round of Planning Grants is also planned for large systems to complete their LSL inventories. Other regulatory topics including new state Manganese rules will also be discussed.

MANCHESTER'S WATER INFRASTRUCTURE – PAST, PRESENT, AND FUTURE - Salon C

PRESENTERS: David Miller, P.E., Manchester Water Works, Fred McNeill, P.E. City of Manchester

The City of Manchester owns, operates, and maintains some of the largest and most complex water infrastructure in the State of New Hampshire. Between drinking water, stormwater, and wastewater there is over 1,000 miles of buried pipe, three treatment plants, over 15 pumps stations, and a half dozen storage tanks. Large portions of this water infrastructure dates backs over 100 years. This older infrastructure was not designed for today's populations, regulations, and

climate change environment. This presentation will review Manchester's full portfolio of water infrastructure including its history, current state, ongoing projects, and future projects.

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.

TRIVIA CONTEST - See the NHWWA Young Professionals booth in the Exhibit Hall to enter the Trivia Contest.

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.

COVID PROTOCOLS - We will follow the safety practices set or advised by the Grappone Center, the State of New Hampshire and the CDC at the time of the Expo.

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

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.

NH Water Works Association

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NHWWA
NH WATER WORKS ASSOCIATION

2022 NH Drinking Water Exposition & Trade Show

SCHEDULE OF EVENTS

Thursday, October 20, 2022
8:00 AM — 4:00 PM

Grappone Conference Center
70 Constitution Avenue
Concord, NH

REGISTER AT WWW.NHWWA.ORG/EVENTS



8:00 AM SEMINARS

WATER TANKS SYSTEMS - Pierce/Webster Room

PRESENTER: Sam Horstmann, Mass Tank

In this class the attendees will learn about the tank fabrication process, how a water tank is manufactured from start to finish, and discuss common water tank problems and learn how to properly inspect, clean, and repair the tanks and the associated systems. Attendees can expect to gain a basic understanding of various water tanks, a standard inspection/cleaning process, and get to ask questions about the topic to water tank experts.

CLIMATE CHANGE AND DRINKING WATER RESILIENCE - Salon C

PRESENTER: Mary Stampone, Ph.D., Associate Professor, Geography, New Hampshire State Climatologist, University of New Hampshire

Provides an overview of climate change in New Hampshire looking at recent past and possible future changes in temperature and precipitation and the impacts on drinking water resources.

9:00 AM SEMINARS

CONCORD'S HIGH LIFT STATION UPGRADE - Pierce/Webster Room

PRESENTERS: Marco Philippon, City of Concord, Dan Saulnier, P.E., Wright Pierce

Concord replaced its 1940s high lift pumping station with a new, energy efficient station. The original station has been in continuous operation since the mid 1940's. It has served well past its expected life span. The location of the building in the spillway of the Penacook Lake high hazard dam added a challenge in traditional upgrades. A new building with energy efficiency in mind will add redundancy the old station did not provide, supplying uninterrupted service for decades to come.

SOUTH CENTRAL NEW HAMPSHIRE REGIONAL WATER SUPPLY STUDY - Salon C

PRESENTERS: Michael C. Unger, P.E., Drinking Water and Groundwater Bureau, NH Dept. of Environmental Services, Keith A. Pratt, P.E., President, Underwood Engineers, Inc., James Wieck, P.G., Associate Principal, GZA GeoEnvironmental, Inc., Devon W. Smith, P.E. Underwood Engineers, Inc.

Various forces are putting a heavy burden on the water supply systems of New Hampshire's south-central communities, one of the State's highest growth regions. Some of the 20 communities in this region need additional municipal water because of growing population and others are experiencing water quality issues in their wells (public and/or private). The purpose of this study is assess each community's supply capacity, water supply commitments, and water supply needs. The project team will present their work developing a comprehensive, high-level regional water supply plan for the south-central region of New Hampshire. The plan is intended to inform investments in the region's PWSs to efficiently allocate the region's source water and prioritize infrastructure improvement projects in the near-term that will be consistent with the region's long-term needs. The Team employs an interactive, web-based GIS tool to help present data, allow for easy evaluation and consideration of alternatives, and help identify and review alternative scenarios and possible options.

BREAK 10:00—10:30 AM

Be sure to visit our exhibitors!

Continental Breakfast in the Exhibit Hall.

Pick up a Trivia Contest form from the NHHWA YP Booth to enter to win a \$50 VISA card!

10:30 AM SEMINARS

DISINFECTION BY-PRODUCTS: PREVENTION & TREATMENT OPTIMIZATION - Pierce/Webster Room

PRESENTERS: Geordan Stroud – IXOM Watercare, William Hotaling – IXOM Watercare [Carlsen Systems]

Disinfection by-products are a key compliance concern for many drinking water treatment systems. Most notable of regulated DBPs in the United States are trihalomethanes (THMs) and haloacetic acids (HAAs) in chlorinated systems. Because water system variables and needs vary greatly from locale to locale, fully understanding available DBP prevention and treatment options is important to successfully plan and implement a DBP strategy. This is an unbranded presentation for educational purposes giving a full overview of DBPs, what they are, how they are formed, and pertinent compliance regulations. We then explore the most available prevention and treatment strategies currently available in the marketplace.

WATER USE EFFICIENCY - Salon C

PRESENTER: Brian Goetz, City of Portsmouth

A comprehensive look at the City of Portsmouth's efforts to improve water efficiency over the years. The City provides water rebate incentives to their customers if they replace toilets with low-flow ones and also purchase high efficiency washing machines. The City has given out over 1,300 rebates since the inception of this program. Brian will also describe how a gallon saved is less expensive than increasing system flows by a gallon.

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. Seating will be at tables in the two seminar rooms.

NHHWA Young Professionals Committee will meet in the Merrimack Room.

1:00 PM SEMINARS

IS YOUR OPERATIONAL AND INFORMATION TECHNOLOGY SECURELY MANAGED? - Pierce/Webster Room

PRESENTERS: CISA Team NH (CSA Rick Rossi & PSA Jason Climer) & Primex (NH Public Risk Management Exchange) Cori Casey

Many smaller water utilities are not budgeted for a dedicated Information Technology (IT) staff and are required to outsource their IT and cybersecurity. Outsourcing of any function adds an external dependency to the operation and unfortunately many utilities do not have experience identifying what services are needed in contract language. Since the lack of IT expertise is what drives them to contract with an external organization, that same lack of IT experience drives them to accept a contract that does not do what they think it does. This presentation is designed to make utilities aware of the most critical services they need, recommendation on what functions to ensure coverage of, and service level agreements (SLAs). We will also explain what these services mean in practical terms and why they are critical to your utility's continued safe operation.