




DECEMBER 5-7, 2023

***Attendee
Welcome
Packet***











































43rd Annual Conference & Tradeshow
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www.mainerwa.org

Sessions at a Glance

TUESDAY: Above the Fold & Under the Bus: FOAA Highlights & Legislative Lowdowns 

WEDNESDAY

THURSDAY

8:00 - 9:30AM	<ul style="list-style-type: none"> - REGISTRATION: Opens at 7:00am - You Can't Keep a Good Pipe Down  - Lead Service Line Inventories  - Proper Sampling Techniques  - Funding for Utilities  - Water Meter Basics  	8:00 - 9:30AM	<ul style="list-style-type: none"> - REGISTRATION: Opens at 7:00am - Case Study – Treating PFAS, 1,4-dioxane, MTBE, and Fe/Mn in Dover, NH  - How to Issue an RFP for Banking Services - Not in my School, PFAS!  →  - In the Era of Can't Ask and Won't Tell - How Do We Handle Interviewing?  - Pressure, Temperature, & Leak Monitoring 
9:40 - 11:10AM	<ul style="list-style-type: none"> - PFAS Removal Technology  - HDPE Pipe, Valves, & Fusion  - VSWS Rules/Field Topics  - SOPs for Water & Wastewater  - Advanced Water Meters  	8:00 - 9:30AM	<p>BRUNCH, TRADE SHOW & TASTE TEST</p> <ul style="list-style-type: none"> - Proper Application of Chemical & Industrial Tanks  - Comparing Peristaltic Metering Pumps to Alternative Technologies 
12:40 - 2:10PM	<p>LUNCH & TRADE SHOW</p> <ul style="list-style-type: none"> - DEP Updates, Biosolids Disposal, & PFAS Regulations  - DWP & EPA Updates   - Peristaltic & Diaphragm Pumps Workshop  ↗ - CISA: Physical & Cyber Security Support to Water/Wastewater Facilities  - Lien On Us  	11:45AM - 1:15PM	<ul style="list-style-type: none"> - Reactive to Proactive Maintenance  Through Hydraulic Modeling Investments - Round Table Discussion: Customer Service & Billing Issues  - Practical Preparedness: What Your Utility Needs to Know 
2:20 - 3:50PM	<ul style="list-style-type: none"> - Protective Coatings for the Water & Wastewater Industry  - State & Federal Drinking Water Regulations for PFAS  - Do You Need More Water?  - Project Management  - GIS/GPS Applications  <p>TRADE SHOW & RECEPTION</p>	1:25 - 2:55PM	<ul style="list-style-type: none"> - Hydrant Maintenance & Repair  - Erosion Control & Storm Water  - Lead & Copper & A Holistic Approach to Phosphate Control  - HR & Payroll Compliance  - Labor Laws & Workplace Safety  <p>EDUCATION TRACK KEY</p> <ul style="list-style-type: none">  Water  Wastewater  VSWS  Wastewater  Admin/Mgmt  Mgmt

TUESDAY, DECEMBER 5TH: BEGINNING AT 5:00PM

Welcome Reception & Early Registration

We welcome folks to join us Tuesday evening for our Premier Exhibitor Trade Show! There will be a cash bar, dinner, and an opportunity to meet with industry professionals.

KEYNOTE SESSION: 6:00PM - 7:30PM

**ROOM: TRADE
SHOW FLOOR**

Above the Fold & Under the Bus: FOAA Highlights & Legislative Lowdowns

WILLIAM HARWOOD - MAINE PUBLIC ADVOCATE

This session covers the following topics: public records and meeting requirements under FOAA, watershed protection issues, disconnection of water service for non payment of sewer bills, WICS special rate increases, and water district consolidation.



William S. Harwood has served as Maine Public Advocate since he was appointed by Governor Mills in January 2022. Prior to his appointment, Harwood served as Senior Advisor for Regulatory Affairs within the Governor's Energy Office.

Before joining the Governor's Energy Office, Harwood served as Senior Counsel at Verrill Dana in Portland. Over his four-decade legal career, he represented a wide range of entities, including utility customers, public utilities, renewable energy companies, technology companies, paper mills, and colleges and universities, in matters before state and federal regulatory agencies.

He is also an Adjunct Professor of Law at the University of Maine School of Law, where he has taught utility regulation and administrative law.



Registration Opens Each Morning

Join us for registration and breakfast from 7:00am to 8:00am on both Wednesday and Thursday morning!



WED, DEC 6TH: CONCURRENT SESSION 1 8:00-9:30AM

MEETING ROOMS C&D	<p><i>You Can't Keep a Good Pipe Down</i></p> <p>NICK RICO - WELLS SANITARY DISTRICT & STEVE CLIFTON - UNDERWOOD ENGINEERS</p> <p>This session answers the following questions; what do you do when a live sewer pipe floats above the water surface in a busy harbor, who do you call, what happens when that pipe breaks 5 times in a busy harbor at the height of summer, and how do you replace a pipe under water? Additional topics include traditional marine construction vs. directional drilling, the permitting process, the design process, and construction description.</p>
MEETING ROOMS A&B	<p><i>Lead/Copper Rules Revisions & Lead Service Line Inventories</i></p> <p>ROSE NUAKO & AMY LACHANCE - MAINE DWP</p> <p>A discussion of the new federal Lead and Copper Rule, particularly focusing on guidance for completing service line inventories.</p>
MEETING ROOMS 1&2	<p><i>Proper Sampling Techniques</i></p> <p>REBECCA LABRANCHE - A&L LABORATORY</p> <p>Accurate data begins long before your sample is in the laboratory. Field measurements, sample collection, and sample transportation have a large impact on the accuracy of your results. This course will cover the sampler's role in understanding their required testing schedule, collecting quality samples, maintaining field equipment, and interpreting their water test results. Quality data is a team effort from all those involved in the determination of sampling locations, the collection of samples and the analysis. Learn how to communicate with both your system inspector and your laboratory to achieve the most accurate data possible.</p>
MEETING ROOMS 3&4	<p><i>Funding for Utilities</i></p> <p>CHRISTINA TRUFANT & MCKENZIE PARKER - MAINE DWP, ROBERT NADEAU - USDA-RD, TERRYANN HOLDEN - CDBG, & BRANDY PIERS - MAINE DEP</p> <p>A power point overview of all funding sources available for water and wastewater. Discussion topics will include capital infrastructure project loans and Emerging Contaminant (PFAS) and Lead Service Line Replacement funding as well as an overview of the Drinking Water Program's grant offerings.</p>
MEETING ROOMS 5&6	<p><i>Water Meter Basics</i></p> <p>STEVE CLEMENTS - TI-SALES</p> <p>With decades in the business, Steve will share his knowledge of installations, having the right equipment, what a clean install should look like, getting all the information, surveying the area, and repairs.</p>

WED, DEC 6TH: CONCURRENT SESSION 2 9:40-11:10AM

MEETING ROOMS C&D	<p><i>PFAS Removal Technology</i></p> <p>PATRICK MCKEOWN - ECT2 & LOUISE ROY - MAINE DEP</p> <p>Louise will be covering the basics of PFAS chemistry, LD1600: General Results and Trends in soil and groundwater in Maine, examples of two or three sites with soil and groundwater results, what we are doing when we find contamination in wells, and how carbon filters work. Patrick will be covering the current PFAS Treatment Technology options for utilities and industry, PFAS Destruction – latest data and trends, and a regional approach to PFAS treatment.</p>
MEETING ROOMS A&B	<p><i>HDPE Pipe, Valves, & Fusion</i></p> <p>ADAM PORTER - E. J. PRESCOTT</p> <p>This session includes the following topics; HDPE materials discussion (along with a demonstration of PPF’s many capabilities), an explanation of Electro Fusion including fusion demo, and an explanation of Manual Butt Fusion and Hydraulic Butt Fusion.</p>
MEETING ROOMS 1&2	<p><i>VSWS Rules & Field Topics</i></p> <p>AMILYN STILLINGS & KATE TUFTS - MAINE DWP</p> <p>DWP staff will share first hand knowledge of the Revised Total Coliform Rule as it applies to small public water systems, including information on Level Assessments.</p>
MEETING ROOMS 3&4	<p><i>Creating Effective Water & Wastewater SOPs</i></p> <p>JEFF MCBURNIE - CASELLA ORGANICS</p> <p>From one of the industry’s leading authorities, Jeff will review all things SOPs; why have SOPs, creating a process for developing SOPs (an SOP for SOPs?!?), the components of an SOP, and examples of creating SOPs.</p>
MEETING ROOMS 5&6	<p><i>Advanced Water Meters</i></p> <p>STEVE CLEMENTS - TI-SALES</p> <p>Steve returns to share his insight on how to choose the best meter for the intended use, developing a prioritization program for water metering and guidelines for how to test and repair a water meter.</p>

Trade Show & Lunch 11:10AM - 12:30PM

WED, DEC 6TH: CONCURRENT SESSION 3 12:40-2:10PM	
MEETING ROOMS C&D	<p><i>DEP Updates, Biosolid Disposal, & PFAS Regulations</i></p> <p>BRETT GOODRICH & GREGG WOOD - MAINE DEP, & JEFF WARDEN - MRWA</p> <p>A discussion of wastewater regulations as they apply to public wastewater treatment facilities, providing information to maintain compliance.</p>
MEETING ROOMS A&B	<p><i>DWP & EPA Updates</i></p> <p>AMY LACHANCE & BILL DAWSON - MAINE DWP, & TED LAVERY - U.S. EPA</p> <p>An update on Drinking Water Regulations from a federal and state perspective, including brief overviews of PFAS, Lead and Infrastructure Funding topics.</p>
MEETING ROOMS 1&2	<p><i>Hands-On Peristaltic & Diaphragm Pumps Workshop</i></p> <p>DANNY SMITH - TI-SALES</p> <p>This hands-on workshop will provide participants with practical knowledge about peristaltic and diaphragm pumps, two common pumping technologies used in various industries. Participants will have the opportunity to explore the inner workings of these pumps, understand their applications, and learn how to operate and maintain them effectively.</p>
MEETING ROOMS 3&4	<p><i>CISA: Physical & Cyber Security Support to Water/Wastewater Facilities</i></p> <p>T.J. SWENSON & RYAN BARNES - U.S. DEPARTMENT OF HOMELAND SECURITY</p> <p>Ryan Barnes, the Cybersecurity and Infrastructure Security Agency (CISA) Cybersecurity Advisor (CSA) to Maine, and T.J. Swenson, CISA Region 1's Regional Protective Security Advisor (PSA), will provide an overview of CISA's no-cost, non-enforcement support and services to the Water/Wastewater Sector, as well as key considerations for the cybersecurity (including Operational Technology) and physical security of Water/Wastewater facilities and assets.</p>
MEETING ROOMS 5&6	<p><i>Lien On Us</i></p> <p>DAPHNE PAULETTE - MRWA</p> <p>Water and Sewer Districts are permitted to pursue the "lien process". Learn the four-step process to securing a lien for unpaid rates. Instruction will be provided with the step-by-step process. Attendees are encouraged to have a particular past due account when participating in the class to allow hands-on guidance in successfully completing the process.</p>

WED, DEC 6TH: CONCURRENT SESSION 4 2:20-3:50PM

MEETING ROOMS C&D	<p><i>Protective Coatings for the Water & Wastewater Industry</i></p> <p>RICK GOYETTE - SHERWIN-WILLIAMS</p> <p>Paint the town red with this session! Emphasis will be on various water and wastewater environments and what types of surface preparation and coatings, based on substrates and chemical resistance requirements, are needed to protect infrastructure from premature corrosion. The discussion will walk through a clarifier project at a wastewater treatment plant, a manhole rehabilitation project, and a potable water storage tank project as well.</p>
MEETING ROOMS A&B	<p><i>PFAS in Maine Drinking Water</i></p> <p>COURTANY HANLEY & JONOTHAN O'DONNELL - MAINE DWP & ANDY BEGIN - GREATER AUGUSTA UTILITY DISTRICT</p> <p>An overview of the scope of PFAS contamination at public water systems in Maine and how they are dealing with PFAS contamination. This session will include perspectives of both the State Drinking Water Program and that of a Public Water System currently dealing with a PFAS problem. Guidance will be provided on proper sampling techniques and ways to minimize potential contamination. Results will be summarized from compliance testing completed in 2022. We will discuss EPA's proposed PFAS Rules including MCLs for PFOS and PFOA; the Hazard Index for the additional four analytes; and what that will mean for Maine going forward. Treatment options and funding opportunities for systems in exceedance will also be shared, along with where these resources can be found.</p>
MEETING ROOMS 1&2	<p><i>Do You Need More Water?</i></p> <p>MICHAEL ABBOTT - HATCH WELL DRILLING</p> <p>Michael Abbott joins us this conference as an independent water supply and environmental engineering consultant with more than two decades of experience in the industry. In this session, he will discuss the considerations for public water systems developing new drinking water sources, needs assessments, site selection criteria, drilling methods and well design, well yield determination, pump testing and hydro fracturing, water quality sampling and source protection.</p>
MEETING ROOMS 3&4	<p><i>GIS/GPS Applications</i></p> <p>TORA JOHNSON - UNIVERSITY OF MAINE, MACHIAS</p> <p>Participants in this workshop will learn about simple digital mapping and GPS tools they can use to help manage rural water systems. Weather permitting, we will do a brief outdoor data collection activity.</p>

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WED, DEC 6TH: CONCURRENT SESSION 4 2:20-3:50PM**MEETING
ROOMS 5&6*****Project Management*****MATTHEW KATCHICK - TEAM S.E.P. AT E. J. PRESCOTT**

Infrastructure projects are a necessity in our industry and many of us have unique ways of managing these complicated ventures. Joe will discuss the timeline that successful projects will follow, while laying out the can't miss steps for operators and managers alike. From obtaining materials lists with current pricing at the beginning to certification when all is buttoned up, this is a can't miss class for anyone that is looking to become the gold standard of project management.

Trade Show 4:00PM - 6:30PM

At the close of the tradeshow, please join us across the street at Timber for a celebration sponsored by Team EJP!

THURS, DEC 7TH: CONCURRENT SESSION 1 8:00AM-9:30AM**MEETING
ROOMS C&D*****Treating PFAS, 1,4-dioxane, MTBE, & Fe/Mn in Dover, NH*****TOM PAGE - UNDERWOOD ENGINEERS**

This presentation will discuss the challenges of treating multiple contaminants with uncertainties in concentrations and future regulations. The design approach was to use multiple unit processes with provisions for additional treatment if needed in the future. A unique aspect is the use of Artificial Recharge to supplement aquifer yield and help mitigate contamination. The \$15M facility has a capacity of 1,000 gpm and is due to go online in 2024. The presentation will include our experiences with the design and start-up of three other municipal PFAS treatment facilities in NH and how the projects overcame technical, regulatory, and funding challenges.

**MEETING
ROOMS A&B*****Pressure, Temperature, & Leak Monitoring*****BRETT JOHNSON - CLOW VALVE CO.**

The drinking water industry has increasingly relied on innovative technology and applications for distribution system management. Pressure monitoring and leak detection can benefit utilities by providing data that assists with operational optimization by alerting the utility to operational fluctuations in the system that can prove to be detrimental to the already aging infrastructure.

**MEETING
ROOMS 1&2*****Not in my School, PFAS!*****JUSTINE DRAKE, PE & SIENNA ROBERGE, PE - HALEY WARD**

With the passage of PFAS regulations in the State of Maine, many schools and day cares across the state have found themselves in a tough situation. They discovered forever chemicals in their drinking water sources, which serve some of our most at-risk individuals in the population, children. For these institutions, they have been required to provide bottled water to their students while they work toward a long-term solution for removal of PFAS from their drinking water sources. In this presentation, Haley Ward engineers will share the story of one Maine school district, who, after discovering PFAS in their drinking water, took action. We will share their story from initial detection to finding funding opportunities to treatment options and more.

THURS, DEC 7TH: CONCURRENT SESSION 1 8:00AM-9:30AM

MEETING ROOMS 3&4	<p><i>In the Era of Can't Ask & Won't Tell - How Do We Handle Interviewing?</i></p> <p>ASHLEY ADAMS - CAREER MANAGEMENT ASSOCIATES</p> <p>No matter how experienced we are as managers, hiring can always be a challenge. How do we recognize the people who will turn out mediocre from the ones who will really deliver for us? This interactive workshop covers all aspects of attracting talent, resume screening, interviewing, and hiring within a legal framework. We will also discuss the new challenges of compensating employees fairly while navigating the complexities of recruitment and retention.</p>
MEETING ROOMS 5&6	<p><i>Learn How to Issue an RFP for Banking Services</i></p> <p>JASON SIMCOCK - NORTHEAST BANK</p> <p>Deposit rates have increased dramatically over the past few years, especially for operating and liquid funds. For utility districts, this is a good time to review your banking relationship, to make sure you are getting the most out of your deposits and using the latest fraud protection tools available. In this session, learn how to develop and manage the Request for Proposals process by walking through current examples.</p>

Trade Show, Brunch, & Taste Test 9:30 - 11:45am**THURS, DEC 7TH: CONCURRENT SESSION 2 11:45AM-1:15PM**

MEETING ROOMS C&D	<p><i>Proper Application of Chemical & Industrial Tanks</i></p> <p>JAY FRENETTE - EASTERN RELIABILITY</p> <p>This presentation will address the following topics; understanding the different tank types and accessories that are available, when to use Polyethylene vs Fiberglass Reinforced Plastic tanks, how to best specify custom tanks for the most accurate quote, and what are the specific tank inspection criteria for various States.</p>
MEETING ROOMS A&B	<p><i>Comparing Peristaltic Metering Pumps to Alternative Technologies</i></p> <p>DANNY SMITH - TI-SALES & ANDREW FORQUER - BLUE WHITE</p> <p>This class will explore the advantages and disadvantages of peristaltic metering pumps in comparison to alternative pumping technologies commonly used in various industries. Participants will gain a comprehensive understanding of peristaltic pumps and how they stack up against other pumping methods in terms of efficiency, reliability, and application suitability.</p>

THURS, DEC 7TH: CONCURRENT SESSION 2 11:45AM-1:15PM

MEETING ROOMS 1&2	<p><i>Reactive to Proactive Maintenance through Hydraulic Modeling Investments</i></p> <p>JUSTINE DRAKE, PE & AUTUMN KELLAR - HALEY WARD</p> <p>A common approach to water systems in the United States is “if it ain’t broke – don’t fix it!”. However, this approach may be detrimental for utilities balancing aging infrastructure with tightening budgets. Responding to emergencies can involve temporary solutions, expensive downtime, and inflated repair costs. A proactive investment requires investing money to replace fixtures before quality deteriorates past the point of return. But how do we know which improvements to make? The answer isn’t always replace the oldest pipes first.</p> <p>Through developing hydraulic models for asset management and planning, we will cover challenges faced while developing hydraulic models and how to use simulation results to respond to current challenges and prevent future breakdowns. Come and learn how, through modeling, the information available by the model can help water operators across Maine evaluate cost-effective, long-term solutions to maintaining their water systems.</p>
MEETING ROOMS 3&4	<p><i>Round Table Discussion: Customer Service & Billing Issues</i></p> <p>KAREN ARBOUR, EBRAHIM HABIB, & STEPHANI MORANCIE - MAINE PUC</p> <p>Join the Maine PUC, and your colleagues from around the state for a roundtable discussion on customer service and billing in the industry. The discussion is aimed at questions and situations that Maine utilities have faced. Please bring your questions and stories for a great discussion!</p>
ROOM: TRADE SHOW FLOOR	<p><i>Practical Preparedness: What Your Utility Needs to Know</i></p> <p>CHRIS COSSETTE - WISCASSET WATER DISTRICT & MATT DEMERS - MRWA</p> <p>This class will provide guidance on how to train your staff to be prepared for a wide range of emergency situations. When those emergencies inevitably arise, how do you quickly assess the level of threat to your customers and infrastructure? When the level of threat is identified, what resources do you have? This class will help answer those questions, along with show operators some of the tools at their disposal. We will discuss regional partnerships, the Maine WARN, MRWA Circuit Riders, emergency response trailers, and more!</p>

THURS, DEC 7TH: CONCURRENT SESSION 3 1:25PM-2:55PM

MEETING ROOMS C&D	<p><i>Hydrant Maintenance & Repair</i></p> <p>DAVE RITER - MEULLER WATER PRODUCTS</p> <p>Come learn about proper safety procedures when working on or installing a hydrant, installation procedures for new and replacement hydrants, proper operation of a fire hydrant, troubleshooting and maintenance, live demonstration of hydrant breakdown and repairs, installation of extension and breakaway kits, and parts identification and ordering.</p>
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THURS, DEC 7TH: CONCURRENT SESSION 3 1:25PM-2:55PM

MEETING ROOMS A&B	<p><i>Erosion Control & Storm Water</i> ZACH LACASSE - E. J. PRESCOTT</p> <p>Erosion happens, but there are ways to mitigate the troubles brought on by this constant in life. Zach will focus on erosion management and maintenance plans that can help to identify problem areas that will undoubtedly need protection and/or replacement. This course will serve as a deep dive into the products available to operators in their quest to hold nature's forces at bay. Select case studies will be provided in an effort to bridge the theory of the discussion to the day-to-day application.</p>
MEETING ROOMS 1&2	<p><i>Lead & Copper, & A Holistic Approach to Phosphate Control</i> KEVIN SULLO - AQUASMART</p> <p>Limiting corrosion, scale and bacteria are challenges for drinking water operators. These issues continue to become more challenging in the face of new regulations, technologies, monitoring capabilities and public awareness. What has emerged is an acute focus on individual water quality parameters, often in isolation. At times, solving one problem introduces another. In the US, this issue is addressed in the upcoming Lead/Copper Rule: "The water system must evaluate the effect of the chemicals used for corrosion control treatment on other drinking water quality treatment processes." This presentation explores the relationship between corrosion control and other water quality treatment processes and introduces a novel chemical additive which addresses these issues holistically using significantly less phosphorus and reducing, or more efficiently using, other chemicals while improving water quality.</p>
MEETING ROOMS 3&4	<p><i>Labor Laws & Workplace Safety</i> MARY MATTHEWS - MAINE DOL</p> <p>This important compliance assistance training is designed for state, county, municipal, and quasi-municipal employers, managers, and employees. The session is an overview of public-sector employer responsibilities including injury/fatality reporting, written programs, training, equipment/facility inspections, and recordkeeping.</p>
MEETING ROOMS 5&6	<p><i>HR & Payroll Compliance</i> CHRIS CLUFF - PAPER TRAILS</p> <p>Navigating the intricate landscape of payroll and HR compliance is crucial for every organization. This session aims to provide attendees with a comprehensive understanding of the key compliance areas, ensuring that your organization operates within the legal framework and avoid potential pitfalls.</p>

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