



ERIE COUNTY WATER AUTHORITY

INTEROFFICE MEMORANDUM

August 31, 2022

TO: Terrance McCracken, Secretary to the Authority

FROM: Sabrina A. Figler, Director of Water Quality

SUBJECT: Request to Travel to NYAWWA TIFTT WATER SUPPLY SYMPOSIUM

The NYAWWA Tiftt Symposium is scheduled for September 14 - 15, 2022 in Syracuse, NY. During the Conference, the NYSAWWA WUC, to which I serve as secretary, is holding its annual fall meeting. The NYSAWWA Tiftt Symposium offers sessions the LCRR, cyanobacteria, the UCMR5, and PFAS.

I am requesting travel September 14 - 15, 2022. Thank you for your consideration.

Sincerely,

A handwritten signature in blue ink, appearing to read "Sabrina A. Figler".

Sabrina A. Figler

BUDGET INFORMATION: BUDGET YEAR 2022

Water Quality Unit 1030

GL #: 401000 640212

Remaining Balance: \$2624.00

cc: Russel Stoll, Executive Director

ERIE COUNTY WATER AUTHORITY
AUTHORIZATION FORM
For Approval/Execution of Documents
(check which apply)

Contract:

Project No.:

Project Description:

NYAWWA TIFT SYMPOSIUM, SYRACUSE, NY TRAVEL for Sabrina Figler

Item Description:

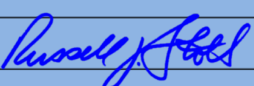
- | | | | |
|--|--|---|---------------------------------------|
| <input type="checkbox"/> Agreement | <input type="checkbox"/> Professional Service Contract | <input type="checkbox"/> Amendment | <input type="checkbox"/> Change Order |
| <input type="checkbox"/> BCD | <input type="checkbox"/> NYSDOT Agreement | <input type="checkbox"/> Contract Documents | <input type="checkbox"/> Addendum |
| <input type="checkbox"/> Recommendation for Award of Contract | <input type="checkbox"/> Recommendation to Reject Bids | | |
| <input type="checkbox"/> Request for Proposals | | | |
| <input checked="" type="checkbox"/> Other <u>Travel Approval</u> | | | |

Action Requested:

- | | |
|---|--|
| <input type="checkbox"/> Board Authorization to Execute | <input type="checkbox"/> Legal Approval |
| <input type="checkbox"/> Board Authorization to Award | <input type="checkbox"/> Execution by the Chairman |
| <input type="checkbox"/> Board Authorization to Advertise for Bids | <input type="checkbox"/> Execution by the Secretary to the Authority |
| <input type="checkbox"/> Board Authorization to Solicit Request for Proposals | |
| <input checked="" type="checkbox"/> Other <u>Travel Approval</u> | |

Approvals Needed:

APPROVED AS TO CONTENT:

- | | | |
|---|---|-----------------------|
| <input type="checkbox"/> Other (if Applicable) | _____ | Date: _____ |
| <input checked="" type="checkbox"/> Chief Operating Officer |  | Date: <u>9/1/2022</u> |
| <input type="checkbox"/> Executive Engineer | _____ | Date: _____ |
| <input type="checkbox"/> Director of Administration | _____ | Date: _____ |
| <input type="checkbox"/> Risk Manager | _____ | Date: _____ |
| <input type="checkbox"/> Chief Financial Officer | _____ | Date: _____ |
| <input type="checkbox"/> Legal | _____ | Date: _____ |

APPROVED FOR BOARD RESOLUTION:

- | | | |
|--|---|---------------------|
| <input checked="" type="checkbox"/> Secretary to the Authority |  | Date: <u>9/1/22</u> |
|--|---|---------------------|

Remarks:

Resolution Date:

Item No:

TRAVEL REQUEST

Name Sabrina Figler Today's Date 8/29/2022

Job Title Director of Water Quality

Department Water Quality

Destination(s) NYSAWWA Tift Symposium, Syracuse, NY

Reason for Travel / (check one): Training ☐ Authority Business ☒

Is this training needed to meet professional licensing requirements? no

Description of training or business, and reasons and benefits of attendance

Attend Fall NYSAWWA Water Utility Conference and attend sessions on lead and copper rule revisions,

UCMR5, PFAS,

Dates of Travel

From: Day (M T **W** T F S S), Date 9/14/2022 To: Day (M T W **T** F S S), Date 9/15/2022

Total number of business days: 2

Estimated Cost Transportation costs can be obtained from Shari Zajdel X8459.

Transportation \$ \$50 Hotel Accommodations \$ \$265 Meals \$ \$50

TOTAL ESTIMATED COST \$ \$365 **W/ REGISTRATION FEE** \$ \$720

Balance in the travel budget prior to this trip \$ \$2624 G/L Number 640212

Unit # 1030 Primary # 401000

Comments (i.e. spouse traveling, preferences): _____

Approvals:

Department Head  Date 8/29/2022

Executive Director  Date 8/30/2022

Secretary  Date 8/31/22

Date of Resolution _____ Item No. _____

WHEN TO USE THIS FORM

Use this form whenever you will be traveling on Authority business. **Complete this form as soon as possible to obtain all the necessary approvals in time to make reservations.** All travel arrangements and cost estimates should be obtained from Trish Fabozzi in Legal at the Ellicott Square Building.

Note: If your travel relates to training, you must also complete a TRAINING REQUEST FORM.

INSTRUCTIONS

1. Complete the top section of the form including, name, date, job title, department, and destination. If your trip includes more than one destination, please list each on the line provided.
2. Indicate the **Reason for Travel**. Training includes any type of seminar, conference, etc.. Examples of Authority Business include meetings, travel to evaluate business or systems operations, etc..
3. If you must obtain continuing education or contact hours to meet professional licensing requirements, please indicate if this course or conference can be applied to those hours.
4. Describe the purpose of your trip. Indicate the topic of the training seminar or conference. You must also attach a copy of the training brochure, if applicable, including hotel information. If you are not attending training, please specify the purpose of your trip and the benefit to the Authority.
5. Indicate the **Dates of Travel**. Circle the day of the week and write the calendar date that you will be leaving and returning.
6. Count the total number of business days you will be away from your duties at the Authority. Do not include weekends or holidays, unless you are scheduled to work on those days.
7. Calculate the **Estimated Cost of Travel and Estimated Cost of Travel including registration fee**. Transportation costs include, airfare, train fare, car rental, etc.. Hotel accommodations should include the total cost for lodging. It should not include meals or other expenses you may charge to your room. Estimate the cost of meals on the line provided.
8. If you are traveling Monday or Friday, find out what the transportation cost would be if you travel on either Saturday or Sunday.
9. Total the estimated cost of transportation, hotel accommodations and meals.
10. Determine how much money is left in the travel budget for your department. Show the account number you will be charging these costs to. Your department head should complete this section for you.
11. Specify if your spouse is traveling with you so arrangements can be made for him/her. Also, if you have a flight preference (such as time or airlines) or hotel preference please indicate on the line provided.
12. Travel requests must be approved by your Department Head, the Executive Director and the Secretary. After receiving approval from the Executive Director, send your request to Trish Fabozzi at the Ellicott Square Building. Further approvals will be coordinated through her. She will notify you when your request is approved or denied by the Board.

Edwin C. Tifft, Jr. (aka "Ted") was one of three initial organizers of the symposium. Ted worked for O'Brien and Gere Engineers starting in 1971, and eventually served on their Board of Directors. Following a struggle with ALS (amyotrophic lateral sclerosis, also known as Lou Gehrig's disease), Ted passed away in 1995. The symposium was named in recognition of his dedication to the event and the Education Committee.



Edwin C. Tifft Jr. Water Supply Symposium

September 14 - 15, 2022
Syracuse, NY



Edwin C. Tifft Jr.
Water Supply Symposium
September 14 - 15, 2022
Syracuse, NY



2022 Edwin C. Tift Jr. Water Supply Symposium Conference at a Glance

Wednesday, September 14, 2022 – 7:30 am Registration Open

7:30 – 8:45 am	Breakfast			
	Session 1: General Session with Keynote Address			
8:45 - 10:15 am	1A 1.5 W 1.0 WW 1.5 PE	Keynote Address: The Aging Workforce in the Water and Wastewater Infrastructure		
10:15 -10:45 am	Break with the Exhibitors (1.0 W)			
10:45 - 11:45 am	1B 1.5 W 0.0 WW 1.5 PE	New York State Department of Health Regulatory Update		
11:45 -12:15 pm	USDA Updates			
12:15–1:30 pm	Lunch			
	Session 2A: Lead and Copper Rule Revisions			
1:30 - 2:00 pm	2A 1.5 W 0.0 WW 1.5 PE	Preparing for LCRR Compliance	3A 1.5 W 0.0 WW 1.5 PE	Utilizing No Discharge Flushing Technology
2:00 - 2:30 pm		Predictive Modeling for LSL Identification		Are your Assets Protected?
2:30 - 3:00 pm		GIS Streamlines Lead Service Line Inventories		From Flood to Flowing
3:00 - 3:30 pm	Break with the Exhibitors			
	Session 2B: Water Quality			
3:30 - 4:00 pm	2B 1.0 W 0.0 WW 1.0 PE	Cyanobacteria Blooms under Climate Change for NY's Lakes	3B 1.0 W 0.0 WW 1.0 PE	UCMR5: A Primer: Expectations & Possible Impacts
4:00 - 4:30 pm		Blue / Green Stormwater Infrastructure		Holding PFAS Polluters Accountable in New York State
5:00 – 6:00 pm	Reception with Exhibitors			

Thursday, September 15, 2022 – 7:00 am Registration Open

7:00 – 8:00 am	Breakfast			
	Session 4A: Water Treatment			
8:00 - 8:30 am	4A 2.0 W 0.0 WW 2.0 PE	Pilot-Scale Evaluation of IX-GAC Treatment for PFAS Removal	5A 2.0 W 0.5 WW 2.0 PE	OT Cybersecurity in Water
8:30 - 9:00 am		Research on Pipe Rig Studies of Corrosion Control Treatment		Don't Get Caught with your Pumps Down
9:00 - 9:30 am		Line Diffuser Aeration System for Culver Lake		Optimizing Lead Service Line Replacement with Machine Learning
9:30 - 10:00 am		Selecting a Phosphate for Lead & Copper Corrosion Control		Intelligent Water Management through Holistic Water Distribution Network Monitoring
10:00 - 10:30 am	Break with the Exhibitors			
	Session 4B: Distribution & Storage			
10:30 - 11:00 am	4B 2.0 W 0.0 WW 2.0 PE	Williams Road Pump Station Case Study	5B 2.0 W 0.0 WW 2.0 PE	Manganese-Emerging Issues for an Old Contaminant
11:00 - 11:30 am		Remote Pressure Monitoring		The Changing Regulatory Picture involving Manganese & Occurrence Data
11:30 -12:00 pm		Community Engagement for Replacement of an Iconic Water Storage Tank		Fundamentals of Manganese Chemistry
12:00 –12:30 pm		Basic Design and Installation of HDPE Water Systems		Alternative Treatment Technologies
12:30 pm	Program Conclusion, Evaluation & Adjournment			

Edwin C. Tift Jr. Water Supply Symposium

Contents

Message from the Chair.....	4
Opening Session with Keynote Address	7
Wednesday Sessions	10-18
Thursday Sessions	24-30
NYSAWWA Committees	38-40

Badge & Attendance Verification Process

Your badge has a unique barcode on it, this allows our moderators to scan you in and out of sessions and awards your credit hours. you must always wear your badge so you will get credit for attending your sessions. Badges are non-replaceable. Do not lose your badge!

**Scan the code to fill out the
event evaluation form.**



A MESSAGE FROM THE CHAIR

Jamie Howard, DN Tanks & NYSAWWA Chair



Welcome all to the New York Section American Water Works Association's (NYSAWWA/ the Section) first ever Operator Sym-

posium and Edwin C. Tift Jr. Water Supply Symposium. The Section's Operators Committee has been working hard to kick off the inaugural event, which was created for operators, by operators! The Operator Symposium features a panel from water and wastewater operators/management on Lessons Learned from COVID; presentations on: Automated Metering Infrastructure for Utilities and Advanced Technologies for Water Treatment; the program will conclude with a Hands-On Equipment Demonstrations called The Interactive Operator.

The Operators Symposium will start on Tuesday, September 13 followed by the Edwin C. Tift Jr. Water Supply Symposium on Wednesday, September 14 and Thursday, September 15 at the Marriott Hotel in downtown Syracuse. The keynote speaker, David Goodness, Regional Director for the New York State Workforce Development Institute will be speaking about the Aging Workforce in the Water and Wastewater Industry highlighting - Workforce Trends, Opportunities, Challenges and Funding Opportunities. The Tift Symposium also includes updates regarding the LCCR revisions, PFAS, and cyber security in water. The exhibit hall will be full of vendors, consultants and manufacturers. This event is an excellent venue to learn, see old friends and meet new ones. In the evening the NYSAWWA is happy to host the No Water. No Beer.® Networking Event at the Hops Spot in Armory Square.

Section Updates: In July, the NYSAWWA Board of Governors and committee chairs attended a workshop to develop goals and objectives for the upcoming year. During this workshop the committees and board

helped to identify synergies between the committees to help guide your NYSAWWA into the future. As a section we are continuing to gain new members, provide additional training across the state, and look for new ways to have benefits for members. All the leaders of the Section left the workshop with a new sense of purpose and energy to achieve the proposed goals. If you are interested in volunteering, please reach out to the section office, board member, or committee chair to discuss the various opportunities.

The Water Utility Council (WUC) and Legislative Review Committee has been extremely busy reviewing bill proposals and providing letters of support or opposition in accordance with member input. To help with the workload, the section has hired Judy Hansen part time as a Legislative Consultant. Judy is coordinating the Section's effort with various groups to represent the interests of the water industry.

The Section also recently revamped the Communications Outreach Committee. This committee will work collaboratively with Section leadership to be the trailblazer in communicating on public water supply issues for the Section and the water profession by developing public affairs strategies, positions, and programs that enable the Section to achieve its stated goals and objectives. Now is a great time to get involved with this committee – lots of exciting things they are working on.

In April, my term as Chair started, and since then, I've been reminiscing about my 25 years of volunteering for the section. I've chaired many different committees and had numerous mentors/friends help me along the way. There are too many people to list, but I want to thank everyone who has guided me over the years. The NYSAWWA is well positioned to help and represent our members across the state, and I look forward to seeing everyone at the event this year!

Jamie

NO WATER NO BEER®



New York Section
American Water Works Association



Join the New York Section AWWA for our Annual
No Water. No Beer.® Networking Event.

Wednesday, September 14, 2022

The Hops Spot

116 Walton St, Syracuse, NY 13202

7:30 - 9:30 pm

\$25/person

includes a giveaway, 2 drink tickets,
and hors d'oeuvres

Register onsite or at the
event pre-registration table.

Thank You Sponsors

Hazen



KOESTER®

PRELOAD

Wednesday, September 14, 2022
Registration Opens at 7:30 am | Exhibits Open at 10:15

Session 1A: Opening General Session
Keynote: The Aging Workforce in the Water Industry

Location: Persian Terrace | Time: 8:45 am - 10:15 am

Contact Hours: 1.5 W | 1.0 WW | 1.5 PE

Moderator: Steve Robbins, Woodard & Curran
Assistant Moderator: Joseph Todaro, PE, H2M architects + engineers

Keynote: The Aging Workforce in the Water and Wastewater Industry highlighting - Workforce Trends, Opportunities, Challenges and Funding Opportunities

David Goodness, Region Director for Central New York, Workforce Development Institute (WDI)

David Goodness is the Regional Director for Central New York who is focused on engaging strategic partners and developing strategies to tackle workforce development initiatives and issues. He is committed to helping employers bridge the skills gap across all industries within the region and in the state. Prior to joining WDI in 2013, David was the Training Director and Organizer for UA Local 73 Plumbers & Steamfitters (Oswego, NY) where he operated and monitored two Apprenticeship Programs and various Journeymen Certification Programs. He also taught trade math and all OSHA training certifications. David currently serves as a board member for Broome-Tioga, Onondaga, and Oswego Workforce Development Boards and participates in the Cayuga-Cortland, Tompkins, and Madison-Herkimer-Oneida boards as well. He sits on the Examining Board of Plumbers for the City of Oswego and is the Oswego Housing Authority Chairman. David holds a Bachelor of Arts in Economics from SUNY Oswego and a NYS Journeyman Certification as a Plumber/ Steamfitter. He is driven to help create and keep living-wage jobs in New York State.

The State of New York has goals set for restructuring its natural resource community. While New York's water infrastructure has a highly skilled and well-trained workforce, this workforce is aging out and these skills gaps must be addressed. Efforts must be made to connect New York's workforce with its water and wastewater infrastructure. Treatment plants are changing the way they maintain equipment and repair water mains, valves, and hydrants. The Federal government, as well as New York State, issue new testing requirements and these changes need to be recognized and acted upon. With awareness consumers are demanding more notification and choices regarding their water infrastructure. The water industry needs to remain vigilant in keeping their workforce regulated and trained. The Workforce Development Institute (WDI) is a statewide non-profit that works to increase opportunities for all New Yorkers to succeed in the workforce while earning family-sustaining wages. began in 2003 as a partner to the NYS AFL-CIO and Area Labor Federations to provide workforce training and education services to regional and local unions. Our role evolved as demand for our services grew. We realized we were often the first to identify potential opportunities or challenges in a region, and we saw opportunities in certain sectors that have led to new and different roles. Today we focus broadly on the growth and retention of good jobs in NYS through a variety of mechanisms with a variety of partners.



WORKFORCE
DEVELOPMENT
INSTITUTE

About WDI

Workforce Development Institute (WDI) is a statewide nonprofit and partner to organized labor that works to grow and keep good jobs in New York State. We use a range of tools: including ground-level information, workforce expertise, and flexible funding—to facilitate projects that build workforce skills and strengthen employers' ability to hire, promote, and retain workers.

Each of our Regional Directors covers a large territory of New York State and spends a significant amount of time exploring their regions and developing partnerships to identify workforce trends, opportunities, and challenges. The Regional Directors work closely with a centralized strategy-focused team to improve our understanding of workforce issues and develop solutions to address them. We see our niche as filling gaps not covered by other workforce development or economic development entities, with an end goal of facilitating the growth of good jobs.

We are a collaborative organization whose role adapts based on the needs and nature of each workforce issue. Common functions we perform include:

- Identification of a problem/challenge (for one organization or many)
- Serving as workforce consultants on a wide array of workforce issues
- Connection of organizations with needs to resources
- Piloting or testing new programs, technologies, or methods
- Facilitation of projects
- Funding for projects

Finally, our roots are in labor, so we are interested in seeing an improved distribution of wealth—a move away from the 99:1 ratio toward growth of the middle class by supporting careers with self-sustaining or family sustaining wages. Although the types of projects we facilitate and support vary, our goal is that all have a positive and measurable impact on the workforce.

David Goodness
Regional Director, Central New York
dgoodness@wdiny.org
<https://wdiny.org/>

Our statewide presence is a strength that empowers us to identify programs that work, and pursue opportunities to scale them to other occupations, industry sectors, or regions of the state.

Session 1B: Opening General Session NYSDOH Regulatory Updates & USDA Funding Opportunities

Location: Persian Terrace | Time: 10:45 am - 12:15 pm

Contact Hours: 1.5 W | 1.5 PE

Moderator: Steve Robbins, Woodard & Curran

Assistant Moderator: Joseph Todaro, PE, H2M architects + engineers

NYSDOH Regulatory Updates

Kristine Wheeler, Director of the Bureau of Water Supply Protection

Kristine Wheeler has worked for the New York State Department of Health since 2003, starting in the Bureau of Water Supply protection working on water system emergency preparedness and response as well as critical infrastructure security. She spent over ten years in the Glens Falls District Office, managing the drinking water program in Warren, Washington and Saratoga Counties until taking on part time Regional Field Coordination responsibilities in 2014. Kris has been named Director for the Bureau of Water Supply Protection since 2021. Kris has extensive experience with field implementation of the drinking water program as well as aquatic facility design and construction. Prior to joining the Health Department, she worked as a consulting engineer in the transportation industry. Kris is a licensed professional engineer with a degree in Civil Engineering from Clarkson University.

USDA Funding Opportunities

John Helgren, State Engineer | State Environmental Coordinator, USDA/Rural Development

John Helgren is a State Engineer and State Environmental Coordinator for USDA Rural Development. He is responsible for the technical implementation of Rural Development funded water and wastewater projects, including review and approval of engineering and environmental reports, contract documents (plans and specifications), construction contracts, and construction project inspection/monitoring. Prior to USDA, John was the Public Health Engineer with a county Health Department in New York, where he was responsible for implementation and administration of various environmental programs, including water and sewer system operations. John was a project engineer for a consulting engineering firm prior to the health department, where he worked in design and construction of water and sewer systems.

Lunch at 12:15 pm

Break with Exhibitors at 10:15 am & 3:00 pm

Sponsored by:



Session 2A

Lead & Copper Rule Revisions

Location: Otisco Court | Time: 1:30 - 3:00 pm

Contact Hours: 1.5 W | 1.5 PE

Moderator: Tim McGuire, H2M architects + engineers
Assistant Moderator: Laura Zima, CDM Smith

Preparing for LCRR Compliance: Looking Beyond the Service Line Inventory

Helene Baribeau, Brown and Caldwell

As water systems look towards compliance with the new requirements added with the Lead and Copper Rule Revisions (LCRR), much of the focus has been on developing the service line inventory. Developing this inventory, which must be submitted to a system's Primacy Agency by the October 16, 2024 Compliance Date, will be a major effort. However, there are many other aspects of the LCRR that will require attention shortly after the Compliance Date. This presentation focuses on those subsequent efforts that systems will need to undertake to prepare for LCRR compliance.

Predictive Modeling for LSL Identification: Case Studies in Success

Hannah Rockwell, PE, Arcadis

Arcadis, in partnership with Voda.ai, developed a machine learning model to predict the likelihood of lead on both the utility-owned and customer-owned service lines for several clients. The model is applied to each service line and assigns a probability ranging from 0 (confirmed non-lead) to 1 (confirmed) to address uncertainty in how many and understand where any lead service lines might be left. This presentation will cover case studies of utilities that have implemented predictive models, including the project tasks, results, and future efforts.

GIS Streamlines Lead Service Line Inventories

Christopher Kobos, PMP, H2M architects + engineers

To accommodate EPA's revised Lead and Copper Rule (LCR), water utilities must complete a comprehensive Lead Service Line (LSL) inventory by October 16, 2024. The piping material for every water service must be researched, catalogued, and mapped. A Geographic Information System (GIS) provides a powerful, modern mechanism for spatial data creation, analysis and sharing, and is an ideal technology solution for developing and managing a Lead Service Line Inventory. In this presentation, we will discuss the successes and challenges of several client case studies, for which varying degrees of GIS solutions were implemented in support of LSL inventories.



Session 2B Water Quality

Location: Otisco Court | Time: 3:30 - 4:30 pm

Contact Hours: 1.0 W | 1.0 PE

Moderator: Paul Ponturo, H2M architects + engineers

Assistant Moderator: Julie Herzner, NYCDEP

Cyanobacteria Blooms under Climate Change for New York's Lakes

Ben Wright, PE, Hazen and Sawyer

This presentation will provide an overview of a NYSERDA-funded research project to evaluate the potential changes to the recurrence of cyanobacteria blooms in New York under climate change. The modeling work was conducted on three Central New York Finger Lakes (Cayuga Lake, Owasco Lake, and Skaneateles Lake). The project modeled cyanobacteria growth within the lakes for a subset of the 210 future climate scenarios from the NYSERDA ClimAID data set. Selected scenarios evaluated a broad range of potential future changes to precipitation (-2% to 20%) and temperatures (+1c to +7c in the region).

Blue/Green Stormwater Infrastructure

Daniel Wible, Jacobs

This presentation will focus on the important, emerging water resources strategy of “blue-green” stormwater infrastructure (BGSi) that combines the water quality and community enriching benefits of “green” infrastructure coupled with the flood reduction and climate resiliency benefits of “blue” infrastructure.



Session 3A Operations

Location: Cayuga Court | Time: 1:30 - 3:00 pm

Contact Hours: 1.5 W | 1.5 PE

Moderator: Cory McCarthy, Onondaga Cty Water Authority
Assistant Moderator: Stephen Laun, D&B Engineers and Architects

Utilizing No Discharge Flushing Technology

Christopher Peters, Liberty New York Water

In this presentation, Liberty New York Water presents its experience using the Neutral Output-Discharge Elimination System (NO-DES) in the Kingsvale Service Area. The presenters will discuss first-hand experience with project planning, set-up and execution, along with an overview of water quality and water conservation benefits that can be achieved using No-DES Technology.

Are your Assets Protected? A Multi-Pronged Approach to Water System Asset Preservation

Jillian Jagling, West Group Law PLLC

Best practices in water system asset preservation include utilizing a long-term operation, maintenance, repair and replacement agreement to establish a multi-pronged approach that encompasses, a repair and replacement budget; an operation, maintenance, repair and replacement plan; reporting, monitoring and auditing; and a formula for objectively measuring the condition of assets, among other things. This presentation will review and explain some of the key provisions relative to asset preservation for owners and operators to consider when negotiating a long term operation and maintenance agreement.

From Flood to Flowing

Melissa Ames, H2M architects + engineers

During Hurricane Ida, Locust Valley Water District's Well No. 4 flooded with almost four feet of water. Well No. 4 provides over 25% of the District water supply and the local health department restricted use of the well until the well seal and equipment was brought above the flood level. The Building was constructed in 1932 which required the District to maintain the existing building while trying to raise the flood level six feet in time for the next year's pumping season.



Session 3B Utility Management

Location: Cayuga Court | Time: 3:30 - 4:30 pm

Contact Hours: 1.0 W | 1.0 PE

Moderator: Daniel Valentine, Tighe & Bond

UCMR5: A Primer: Expectations and Possible Impacts

Ron Milke, Eurofins Eaton

UCMR5 is the next EPA mandated testing for all large water systems. The addition of all PWS' serving populations between 3,300 - 9,999 will impact twice as many systems as previous UCMR's. Only three methods will be used. The occurrence data from this monitoring will be monumental.

Holding PFAS Polluters Accountable in New York

Tate Kunkle, SL Environmental Law Group

New York state is setting some of the nation's most stringent maximum contaminant levels in drinking water for some of the chemicals within the per- and polyfluoroalkyl substances (PFAS) group. This group of thousands of chemicals is also known as forever chemicals because they don't break down easily. Water providers may be surprised to learn that they can hold polluters accountable for the costs of cleaning up the water through the legal system. This presentation will explore how organizations are holding chemical manufacturers responsible for contaminating groundwater with PFAS, what is required to take legal action and what kind of costs can be recovered.

**Break with Vendors
5:00 - 6:00 pm**



Thank You 2022 Sponsors!

Gold Sponsors



Silver Sponsors



Bronze Sponsors



Thursday, September 15, 2022

Registration & Breakfast at 7:00 am

Session 4A

Water Treatment

Location: Otisco Court | Time: 8:00 – 10:00 am

Contact Hours: 2.0 W | 2.0 PE

Moderator: Kevin Castro, GHD

Pilot-Scale Evaluation of IX-GAC Treatment for PFAS Removal

Adam Redding, Ph.D., Calgon Carbon Corporation

Following an initial PFAS removal study of granular activated carbon (GAC) and ion exchange (IX), a second phase was conducted to examine a dual media approach, a lead column of IX followed by GAC. Results demonstrated that a tandem approach could accent the strong points of each media.

Research on Pipe Rig Studies for Corrosion Control Treatment

Vickie Nystrom, PE, Arcadis

The final revisions to the Lead and Copper Rule (LCRR) will impact many public water systems across the U.S., including increasing the likelihood that systems will need to evaluate or re-optimize their corrosion control treatment (CCT) and conduct a pipe loop (also referred to as a pipe rig) study, which may require testing of harvested lead service lines. This presentation will focus on the five major components of a pipe rig study including, drivers, design, operations, data analysis, and costs.

Line Diffuser Aeration System for Culver Lake

Shivangi Ganatra, EIT, Jacobs

The presentation will discuss the evaluation and design of an oxygenation system for Culver Lake in Frankford Township, NJ. Jacobs is working with the Normanoch Association, which owns and manages the approximately 539-acre lake, to replace the existing partial lift lake aeration system. The proposed pure oxygen linear diffuser system was designed to maintain high hypolimnetic dissolved oxygen concentrations to eliminate anoxia and meet water quality goals for the lake.

Selecting a Phosphate for Lead and Copper Corrosion Control

Dylan Kemmerer, Carus

This presentation will discuss the factors that influence corrosion in drinking water including pH, alkalinity, total hardness, DIC, chloride to sulfate mass ratio, and other water quality parameters. The different uses of phosphates will be covered including corrosion control for lead and copper, sequestering of metals in place of oxidation, and hardness scale control in a drinking water distribution system. Based on the water quality and issues that a water system is experiencing, what type of phosphate product should be selected and what the dosage should be, will be discussed along with case studies from several municipalities. Finally, methods to monitor phosphate feed along with monitoring corrosion control success at several municipalities will be shown.

Session 4B

Distribution & Storage

Location: Otisco Court | Time: 10:30 am – 12:30 pm

Contact Hours: 2.0 W | 2.0 PE

Moderator: Brian Edwards, Ramboll

Williams Road Pump Station Case Study

Andrew Riederer, EIT, Wendel

The Williams Road Pump Station (WRPS) is part of the Emergency Operations Plan to provide water from adjoining water systems. The WRPS as a whole is nearing the end of its useful life with concerns rising around the pumping and electrical systems as well as the building envelope. This presentation will walk attendees through a case study of the project including design development including the hydraulic analysis of emergency scenarios, review of pump testing results including overnight testing coordination, and highlight of key construction elements.

Remote Pressure Monitoring

Bryan Elford, Kennedy and M&H Valve

This class is meant to give operators a better understanding of remote pressure monitoring. We will go into specific details and benefits of having remote pressure monitoring in your systems. This course will also go through the wide variety of different options that are available in this market.

Community Engagement for Replacement of an Iconic Water Storage Tank

Daniel Valentine, Tighe & Bond

The Village of Tivoli, NY needed to replace their 1930's elevated, cone-roof water storage tank because it had exceeded its service life and was undersized for current tank sizing standards. The iconic tank is featured on the Village Seal and it was located in the municipal park resulting in an exceptionally high degree of public awareness about the tank. The new water tank needed to not only be sized and designed appropriately for the needs of the water system, but also to be accepted by the residents who were passionate about the existing tank. This presentation discusses striking the balance between engineering needs and emotional factors involved in sizing and siting a new water storage tank and presents a case study for a successful public engagement campaign to site a very visible piece of water infrastructure – an elevated water storage tank.

Basic Design and Installation of HDPE Water Systems

Camielle Rubeiz, PE, F.ASCE, Plastics Pipe Institute

This presentation will focus on the basic design and installation of HDPE per the recently revised and published standards (ANSI/AWWA C901-20 and C906-21) and AWWA M55-20 manual.

SAVE THE DATE
EDWIN C. TIFFT JR WATER SUPPLY SYMPOSIUM
BUFFALO, NY | SEPTEMBER 20 - 21, 2023

Session 5A Utility Technology

Location: Cayuga Court | Time: 8:00 – 10:00 am

Contact Hours: 2.0 W | 0.5WW | 2.0 PE

Moderator: Rob Laird, Woodard & Curran

Assistant Moderator: Jessica Alves, H2M architects + engineers

OT Cybersecurity in Water

Adi Karisik, Jacobs

Events in world are changing how we look at cybersecurity in critical infrastructure. What can we do to protect our water infrastructure from cyber-attacks? In this presentation, we will provide an overview of state of OT cybersecurity and some trends and issues we have observed in water sector. Protecting assets requires a holistic defense-in-depth security approach that addresses internal and external threats. Using multiple layers of defense (administrative, technical, and physical) and employing diverse technologies for threat detection is key. We will also highlight some key approaches as part of water cybersecurity strategy planning.

Don't get Caught with your Pumps down: Using Analytics to Improve Pump Performance

Juan Gamarra, Specific Energy

Much has been written about the potential for plugging solids handling pumps in both wastewater and raw water pumping applications. The prolific use of variable frequency drives on pumps offers both improved process control and the potential to reduce energy expenditures. Unfortunately, operating these pumps at reduced speeds may also be leading to increased incidents of partial plugging and therefore increased potential for sanitary sewer overflow (SSOs). Data analytics of individual pump performance provides a more holistic approach to the life cycle asset management and operation of these critical assets.

Optimizing Lead Service Line Replacement with Machine Learning

Richard Loeffler, IV, Xylem

The Lead and Copper Rule has been updated to require utilities compile an inventory of all service lines in the distribution system and generate a replacement plan to remove LSLs where they exist. As records of service line materials are often undigitized, incomplete, and difficult to obtain on a system-wide scale, utilities are looking for tools to fill that gap. By leveraging partial records of service line materials already compiled by the utility, machine learning (ML) methods allow us to estimate the likelihood of lead for each of the other service lines whose status is unknown. In three (3) test cases, the ML algorithm was able to outperform traditional age-based sampling approaches when asked to validate the performance on a test data set.

Intelligent Water Management through Holistic Water Distribution Network Monitoring

Stan Fong, Ph.D., Digital Water Solutions Inc.

Holistic distribution monitoring provides operators with eyesight into their distribution network through real-time data collected from multi-sensor sensing devices embedded throughout the network. Connectivity via an Internet-of-things (IoT) framework ties this sensing together with pre-existing data sources such as GIS and SCADA, alongside analytics, visualization, and information transfer, ensuring that the most relevant actionable information is always delivered directly to decision makers in real-time. Analytics leveraging the cutting edge in AI interpret and extract valuable insights buried within these rich expanses of data, which enables operators to detect non-surfacing leaks, localize or predict potential breaks and prioritize maintenance actions.

Session 5B
Groundwater & Surface Water Issues
Location: Cayuga Court | Time: 10:30 am - 12:30 pm
Contact Hours: 2.0 W | 2.0 PE

Moderator: Greg Mosure, Barton and Loguidice
Assistant Moderator: John Collins, H2M architects + engineers

Manganese-Emerging Issues for an Old Contaminant

In this session, attendees will gain greater insight into the changing relationship of health effects research, occurrence, regulatory activities, advances in treatment and consequences of legacy manganese that are forcing the water industry to consider manganese as more than an anesthetic issue.

Manganese and Occurrence Data

Helene Baribeau, Ph.D., Brown and Caldwell

Fundamentals of Manganese Chemistry, Management, and Treatment

John Tobiason, University of Massachusetts Amherst

Alternative Treatment Technologies and Manganese Measurement Challenges

Joe Goodwill, University of Rhode Island

Impacts to Distribution Systems: Legacy Manganese Risks and Control

Philip Brandhuber, Ph.D., Brandhuber Water Quality & Treatment LLC and Chair, AWWA Inorganics Committee and Manganese Subcommittee



THANK YOU TO OUR VOLUNTEERS

NEW YORK SECTION AWWA COMMITTEES

2022 Fuller Award

Daniel Seaver, Latham Water District
William Becker, Hazen and Sawyer
Rick Gell
Paul Ponturo, H2M Architects + Engineers
Paul Rush, NYCDEP

Charitable Giving Committee

Richard Ruge, Chair
James Bromka, Village of Waterloo
Paul Granger, Hicksville Water District
Robert Lucas, H2M Architects + Engineers
Michael Marino, Nussbaumer & Clarke
Richard Straut, Barton & Loguidice
Thomas Walker
Chris Wheland, City of Troy

Communications Outreach Committee

Tyrand Fuller- Co-Chair, Legislative Outreach, Suffolk County Water Authority
William Hotaling- Co-Chair, Membership Outreach, Ixom
Geoffrey Gugel, City of Rochester
Shane Hueth, AMERICAN Flow Control
Brian Kise, US Pipe
Lindsey Wilcox, Woodard & Curran
Phil Tangorra, Board Liaison, Mohawk Valley Water Authority
Jenny Ingrao, Section Executive Director,

Events Committee

Joseph Baier, D&B Engineers and Architects, Chair
Jennifer Gienau, D&B Engineers and Architects, Incoming Chair
Jonathan Arneith, Suez
Jake Balcom, Hazen and Sawyer
Trina Carman, NYSAWWA
John Cimino, Cimino Backflow
Tom Clark, NYSAWWA
Jason Davenport, GHD
Bill Havener, Oswego County Health Dept
Gary Hinds, Arcadis
William Hotaling, Ross Valve
Lee Kessler, Bayville Water District
Christian Lawton, Barton & Loguidice
Dan Marshall, Barton & Loguidice
Arnold Palleschi, D&B Engineers and Architects
Dillon Ray, Mohawk Valley Water Authority
Lori Reid, Ramboll
Steve Riddle, Bolton Point Water
Jeffery Row, city of Oneida
Eric Schuler, Mohawk Valley Water Authority
John Strepelis, NYS DOH
Gary Trapnell, Suez-NA
David Walters, City of Albany

Finance Committee

Jamie Howard, DN Tanks
Jenny Ingrao, NYSAWWA
Arnold Palleschi, D&B Engineers and Architects
Chris Wheland, City of Troy

Historical Committee

John Frazer, Latham Water District, Chair
Joseph Baier, D&B Engineers and Architects
Kurt Dirr, D&B Engineers and Architects
Tony Geiss
Paul Ponturo, H2M architects + engineers
Richard Straut, Barton & Loguidice
Doug Withey, W2O Operator Training Group, LLC
Jeffrey Zdrojewski, Pure Technologies

Manufacturers & Associates Committee

Adam Ross, Ross Valve, Chair
Ken Dahlinger, Badger Meter
John Fiedler, Mueller Co.
Shauna Griffin, Badger Meter
Daniel Guest, Home Serve USA
Harry Hagan, Statewide Aquastore
Bill Hotaling, Ross Valve
Jamie Howard, DN Tanks
Jim Kondziela, Kee Safety
Anooj Kothari, American USA
Christian Lawton, Barton & Loguidice
Tim Leaf, E.J. Prescott
Roger Linder, Utility Service Corp.
James Neri, H2M Architects + Engineers
James Pierce, Ti-Sales
Will Poterek, Clow Valve
Dan Reed, Master Meter
Andy Ross, Ross Valve
Rob Samuels, Koester Associates
Brian Sibiga, Wendel
David Silverman, PSI Process & Equipment
Jeffrey Zdrojewski, Pure Technologies

Membership /Young Professionals Committee

Cory McCarthy, OCWA, Chair
Brittany Vanno, City of Rochester, Vice Chair Membership
Zach Miller, American USA, Vice Chair Young Professionals
Jessica Alves, H2M architects + engineers
Jonathan Arneith, Suez NA
Kevin Barfield, Onondaga County Water Authority
Eli Barkovic, Woodard & Curran
Nick Bates, EJ Prescott
Katie Bednarz, Nussbaumer and Clarke
Kevin Boyle, Kiewit
Jessica DeMarco, H2M architects + engineers
Madeline Eggenberger, Jacobs
Ani Fish, Cayuga County Health Dept.
Rick Gambone, Ferguson
Eleni Giannakopoulou, H2M architects + engineers
Andrew Golden, City of Troy
Sarah Golden, H2M architects + engineers
Erica Goldin, GHD
Jake Gordon, CT Male
Max Grabinski, H2M architects + engineers
Madeline Grun, H2M architects + engineers
Dan Hamlin, GHD
Kevin Hickey, CHA
Olivia Hicklen, Barton & Loguidice
Matt Higgins, LaBella Associates
Gary Hinds, Arcadis
William Hotaling, IXOM Watercare
Shane Hueth, American Flow Control
Jenny Ingrao, NYSAWWA
Amanda Isak, Tighe & Bond
Brian Kise, U.S. Pipe
Chuck Krogh, Mueller Systems
Julie Le, Wendel
Amanda Little, City of Rochester
Chelsea Martinez, H2M architects + engineers
Jessica Martinez, Barton & Loguidice
Cody McQueeney, Onondaga County Water Authority
Nicole Pappalardo, Stantec
Blake Pilas, Ferguson Waterworks
Andrew Quinn, Mueller
Dillon Ray, Mohawk Valley Water Authority
Adam Ross, Ross Valve
Chris Tobin, Garden City Park Water
Gary Trapnell, Suez
Daniel Valentine, Tighe Bond
Richard Walker, GHD

Awards / Scholarships Committee

Clayton Johnson, ECWA, Co-Chair
Jake Gordon, CT Male, Co-Chair
Andrew Weiss, OCWA, Vice Chair
Kevin Castro, GHD
Richard Gell
Paul Granger, Hicksville Water District
Dennis Kelleher, H2M Architects + Engineers
Connie Schreppel, Barton & Loguidice
Jeffrey Zdrojewski, Pure Technologies

2022 Diven Award

Judith Hansen, NYSAWWA
Martin Aman, Wayne City Water & Sewer Auth
Nick Kochan
Daniel Seaver, Latham Water District
David Rowley, City of Rochester

NEW YORK SECTION AWWA COMMITTEES

New York Metro Events Committee

Jake Balcom, Hazen and Sawyer, Chair
 Sahejveer Bhatia, AECOM
 Jean-Dominique Bonnet, Mott MacDonald
 Debra Butlien, NYCDEP
 Zhenqi Cai, Mott MacDonald
 Kathleen Ceccarelli
 Nicholas Cholewka, NYCDEP
 Kaitlin Clemente, Ramboll
 Maria Colon, NYSDOH
 Gerard Cox, Arcadis
 Michael Cox, Mott MacDonald
 Dedrick Damato, NYCDEP
 Kathryn DePippo, Mott MacDonald
 Kurt Dirr, D&B Engineers and Architects
 Kathleen Esposito, NYCDEP
 Marco Finazzi
 Salome Freud, NYCDEP
 Eleni Giannakopoulou, H2M architects + engineers
 Agnieszka Giolbas, Nova Consulting
 Max Grabinski, H2M architects + engineers
 Logan Graney
 Laura Grieco, NYCDEP
 Julie Herzner, Hazen and Sawyer
 Katie Hoek, Hazen and Sawyer
 Tina Hu, AECOM
 Ghaith Humaimidi, Ramboll
 Sara Igielski
 Adam Jacoby, Mott MacDonald
 Joel Kaatz, Arcadis
 Michael Keating, H2M architects + engineers
 Dennis Kelleher, H2M architects + engineers
 Tara Khiabani, AECOM
 Edmund Lee, Mott MacDonald
 Josh Lefkowitz, NYCDEP
 Nicolette Leung, Hazen and Sawyer
 Xiao Lin, Hazen and Sawyer
 Gregory Look, Nova Consulting
 Mohamed Makram
 Alyki Malliaros, AECOM
 Catherine Moskos, Arcadis
 Margaret Oloriz, Arcadis
 Charles Olson, NYCDEP
 Sujata Pal, H2M architects + engineers
 Thrasivoulos Panayiotou
 Paul Paparella, Mott MacDonald
 Patrick Parault, Arcadis
 Ovidiu Pena, NYCDEP
 Srishti Pillutla, Greeley and Hansen
 Paul Ponturo, H2M architects + engineers
 Jasmin Rivera, NYCDEP
 Patrick Ronan
 Eric Rosenberg, Hazen and Sawyer
 Richard Ruge
 Sarah Sansone
 Mike Savarese, D&B Engineers & Architects
 Allen Shue, Arcadis
 Kevin Smith
 Sundaram Solai, Greeley and Hansen
 Janice Whitney, USEPA
 Jessica Wilson, Manhattan College
 Weiling Xu, NYSDOH

New York WARN Committee

Martin Aman, Wayne County Water & Sewer Authority,
 Committee Chair, Region 5 Chair
 Michael Boufis, Bethpage Water District --
 Region 1 Chair
 Judith Hansen, Kingston Water Dept., Region 2 Chair
 Chris Wheland, City of Troy -- Region 3 Chair
 Jim Bednarczyk, Mohawk Valley Water Auth.--
 Region 4 Chair
 Paul Bennet, NYCDEP
 Rebecca Butler
 Patricia Cerro-Reehil, NYWEA

William Donovan, SUEZ
 Shannon Harty, Onondaga County
 Jenny Ingrao, NYSAWWA
 Nathan Mandelbaum, NYCDEP
 Dan O'Sullivan, Buffalo Sewer Authority
 Dale Post, VRI Environmental Services
 Connie Schreppe, Barton & Loguidice
 Daniel Seaver, Latham Water District
 Philip Thompson, Suffolk County Water Auth
 Kristine Wheeler, NYSDOH

Nominating Director Committee

Connie Schreppe, Barton & Loguidice
 Michael Hooker, Onondaga County Water Auth
 Paul Granger, Hicksville Water District

Nominating Trustee Committee

Chris Wheland, City of Troy
 Judith Hansen
 Philip Tangorra, Mohawk Valley Water Authority
 Paul Ponturo, H2M Architects + Engineers
 Brian Sibiga, Wendel

Operators Committee

Steve Sanders, Environmental Training Ctr, Chair
 Gary Trapnell – Vice Chair, Suex
 Rob Samuels – Vice Chair, Koester
 Jon Arneth, Suez
 Jeff Bookman, Onondaga County Water Auth
 Julio Dejesus, NYCDEP
 Anthony Frisenda, NYCDEP
 Jenny Ingrao, NYSAWWA
 Andrew McLoughlin, Mueller
 Rich Straut, B&L
 Phil Tangorra, Mohawk Valley Water Authority
 Peter Virkler, City of Canandaigua

Program Committee

Joe Todaro, H2M Architects + Engineers – Chair
 Steve Robbins, Woodward and Curran – Vice Chair - Tift
 Jessica Alves, H2M Architects + Engineers
 Dana Bryant, Arcadis
 Paul Cabral, CDM Smith
 Trina Carman, NYSAWWA
 Kevin Castro, GHD
 John Collins, H2M Architects + Engineers
 Brian Edwards, Ramboll
 Rick Gell
 Zachary Green, Raftelis
 Madelyn Grun, H2M Architects + Engineers
 Judith Hansen
 Julie Herzner, NYCDEP
 Jenny Ingrao, NYSAWWA
 Roopesh Joshi, NYCDEP
 Dan Marshall, Barton and Loguidice
 Jason Matt, Ti-Sales
 Cory McCarthy, Onondaga County Water Authority
 Tim McGuire, H2M Architects + Engineers
 Gregory Mosure, Barton & Loguidice
 Roy Richardson Jr., Barton & Loguidice
 William Prehoda, Suez
 Paul Ponturo, H2M Architects + Engineers
 Roy Richardson, Barton and Loguidice
 Kathy Russell, AFTEK
 Michael Savarese, D&B Engineers and Architects
 Daniel Seider, Arcadis
 Brian Sibiga, Wendell
 Rich Straut, Barton & Loguidice
 Philip Tangorra, Mohawk Valley Water Authority
 Dan Valentine, Tighe & Bond
 Andrew Weiss, Onondaga County Water Authority
 Douglas Withey, W2O Operator Training Group, LLC
 Jenae Withey, W2O Operator Training Group, LLC
 Richard Straut, Barton & Loguidice
 Philip Tangorra, Mohawk Valley Water Authority

Training Coordinator Committee

Thomas F. Clark, NYSAWWA, Village of Waterloo, Co-Chair
 Paul Ponturo, H2M architects + engineers, Co-Chair
 Joseph Baier, D&B Engineers and Architects
 Trina Carman, NYSAWWA
 Tom Caponi, MRB Group
 PJ Connell, D&B Engineers and Architects
 Gregory Daviero, Schnabel Engineering
 Richard Elder, Rensselaer County Health Dept
 Matthew Geho, Northern Westchester Joint Water Works
 Paul Granger, Hicksville Water District
 Judith Hansen, Kingston Water Dept.
 Kevin Hickey, Clough, Harbour, & Associates, LLP
 Nick Hyde, GHD
 Christian Lawton, Barton & Loguidice
 Tim Leaf, E.J. Prescott
 Robert Lucas, H2M Architects + Engineers
 Lori Reid, Ramboll
 Steve Riddle, Bolton Point Water Treatment Plant
 Miranda Robinson, Town of Skaneateles
 Joseph Roccato, Suffolk County Water Authority
 David Rowley, City of Rochester
 Brian Sibiga, Wendel
 Philip Tangorra, Mohawk Valley Water Authority
 Peter Virkler, City of Canandaigua
 Dale Walker, City of Olean
 Andrew Weiss, Onondaga County Water Authority
 Chris Wheland, City of Troy

Water Utility Committee

Joe Pokorny, Suffolk County Water Authority, Chair
 Martin Aman, Wayne County Water & Sewer Authority
 Frank Arcara, Westchester Joint Water Works
 Jon Arneth, Suez Mohawk Valley / Hinckley WTP
 Kevin Barfield, Onondaga County Water Authority
 James Caggiano, NYCDEP
 Lynda DiMenna, New York American Water Co.
 Matt Dysard, Kingston Water Dept.
 Sabrina Figler, Erie County Water Authority
 Salome Freud, NYCDEP
 Paul Granger, Hicksville Water District
 Chris Harrington, City of Queensbury
 Jenny Ingrao, NYSAWWA
 George Kansas, Town of Bethlehem
 Michael Keating, Dutchess Cty Water/Wastewater
 Authority
 Chris LaManna, Monroe County Water Authority
 Geoffrey Miller, Onondaga County Water Authority
 Lee Mueller, New York American Water Co
 Ken Naugle, Monroe County Water Authority
 David Rowley, City of Rochester
 Eric Schuler, Mohawk Valley Water Authority
 Dan Seaver, Latham Water
 Keith Sitzman, Village of Alden
 Russ Stoll, Erie County Water Authority
 Philip Tangorra, Mohawk Valley Water Authority
 Brittany Vanno, City of Rochester
 Chris Wheland, City of Troy

Regulatory Review Committee

David Rowley, City of Rochester, Chair
 Cory Johnson, Ramboll, Vice Chair
 Martin Aman, Wayne Cty Water & Sewer Authority
 Kevin Castro, GHD
 Thomas Clark, NYSAWWA
 Richard Gell
 Sarah Golden, H2M Architects + Engineers
 Madelyn Grun, H2M Architects + Engineers
 David Hill, Veolia North America
 Robert Holzmacher, J.R. Holzmacher
 Prachi Jain, Haley & Aldrich
 Paul Ponturo, H2M Architects + Engineers
 Andrew Weiss, Onondaga County Water Authority



Make Things
Happen !!!

Get Involved

Do you want to advocate for safe drinking water? Do you have ideas for new training sessions? Want to plan No Water. No Beer. events? Want to just make a difference? Then join a committee! Whether you have 2 volunteer hours a year give or 10 volunteer hours a year to give, the New York Section American Water Works Association has a great way for you to involved! Visit www.nysawwa.org/membership/committees or talk with Jenny Ingrao, Executive Director 716-665-0616 or jenny@nysawwa.org to learn more!

All committee members and board members must be an NYSAWWA Member.

About Our Committees

Awards & Scholarships Committee

Who Can Join: Open to All Members!

What They Do: Manage the sections award and scholarship process and identify awardees.

Stimulate applications/submissions, review applications, select awardees.

Events Committee

Who Can Join: Open to All Members!

What They Do: Coordinate volunteers for event administrative functions:

- Stamping/scanning
- Registration
- Setup/Breakdown

Support the Office Staff with each event as needed. Identify volunteers and maintain their accountability/attendance at the event.

Charitable Giving Committee (Sub-Committee of Events)

Who Can Join: Open to All Members!

What They Do: Manage the sections donation/fund raising activity (example: No Water. No Beer. | Water for People).

Coordinate and execute select

fundraising events to generate proceeds for donation to a charitable cause complimentary of AWWA goals.

Communications Outreach Committee

Who Can Join: Open to All Members!

What They Do: Outreach and media relations for Section. Interface with WUC to collaborate on outreach. Outreach to Section members to communication upcoming events/trainings on Section's website, emails and social media.

Historical Committee

Who Can Join: Open to All Members!

What They Do: Highlighting the section/industry history through articles. Maintain the archive.

Develop and maintain an archiving strategy and location. Add to the archive over time to preserve legacy information. Start developing articles about historic waterworks landmarks throughout the state.

Manufacturers and Associates Council

Who Can Join: Any Service Provider Member!

What They Do: Interface for the section with the representatives of the industry supply sector. Participate in events to maintain inclusion of MAC interests (exhibit hall, demonstrations, etc.).

Membership and Young Professionals Committee

Who Can Join: Open to All Members!

What They Do: Maintain membership engagement.

Introduce members to other volunteer opportunities in the section. Serve as entry point for students and YPs. Develop networking opportunities and events. Provide an opportunity to develop volunteers. Teach leadership skills and committee functional skills. Introduction to the Section and how the committee process functions overall. Volunteer Recruitment.

New York Metro Committee

Who Can Join: Any member in the NYC and surrounding area (downstate)!

What They Do: Support the high density of section members in this region. Coordinate networking events and support local student chapters.

To join or learn more about a committee email committee@nysawwa.org.

New York Water and Wastewater Agency Response Network

Who Can Join: Any Municipality/Utility. (Does not need to be a member of NYSAWWA.)

What They Do: Monthly coordination calls, maintain member database for rapid communication. Membership succession planning to maintain regional coverage. Interfaces with other State and National agencies. Coordinate emergency response throughout the state and increase awareness.

Operators Committee

Who Can Join: Any Member who wants to help our Operators succeed!

What They Do: Civil Service Outreach, Operator Recruitment at High Schools, Vocational Schools, Community Colleges, Veterans, etc. Develop Operator friendly benefits/collaborations.

Program Committee

Who Can Join: Open to All Members!

What They Do: Development of event programs, identifying and selecting volunteers for event programs, review of program content (abstracts and presentations), coordination with section office for PDH's and CEUs for programs.

Training Coordinator Committee

Who Can Join: Any Member who wants to help our Operators succeed!

What They Do: Coordinate and conduct section training program, supporting section office training coordinator. Review of program committee abstracts for PDH/CEU approval. Develop and identify new training sessions, and recruit instructors.

Water Utility Council (WUC)

Who Can Join: Any Member of a Municipality/Utility.

What They Do: Responsible for developing action programs to initiate, evaluate, respond and comment, within the framework of Section and Association policies, on legislative, regulatory and other matters which directly affect water utilities. Promote the image of the New York Section AWWA as New York's "Authoritative Resource on Safe Water".

Regulatory Review Committee (Standing/Subcommittee of WUC)

Who Can Join: Open to All Members!

What They Do: Track and review regulatory proposals, new actions, etc. Develop webinar series, perform member outreach (regulations, cybersecurity, current topics), advise Section Office what content is timely and what should be distributed to the membership re: regulatory updates.

Board of Governors

Are you currently a committee member? Maybe you're a past committee member? Have you attended one of our conference for the past three years? Want to be a leader in our industry? Then consider being a board member! The NYSAWWA board meets 4 times a year and averages about 40 volunteer hours a year. Our board members help to shape to the future of our industry and we want you to be a part of it!

To join or learn more about a committee email committee@nysawwa.org.

NYSAWWA Board of Governors

Jamie Howard, Chair
DN Tanks

Brian Sibiga, Past Chair
Wendel

Richard Straut, PE, Vice Chair
Barton & Loguidice, DPC

Arnold Palleschi, Treasurer
D&B Engineers and Architects

Phil Tangorra, Section Director
Mohawk Valley Water Authority

Chris Wheland, Assistant Treasurer
City of Troy

Andrew Weiss, PE, Trustee
Onondaga County Water Authority

Anastasios Georgelis, PE, Trustee
NYCDEP

Andrew McLoughlin, Trustee
Mueller

Mike Savarese, PE, Trustee
D&B Engineers and Architects

Kenneth Naugle, PE, Trustee
Monroe County Water Authority

Steve Sanders, Trustee
Environmental Training Center

NYSAWWA Staff

Jenny Ingrao,
Executive Director

Trina Carman,
Administration
and Training Coordinator



American Water Works
Association

New York Section

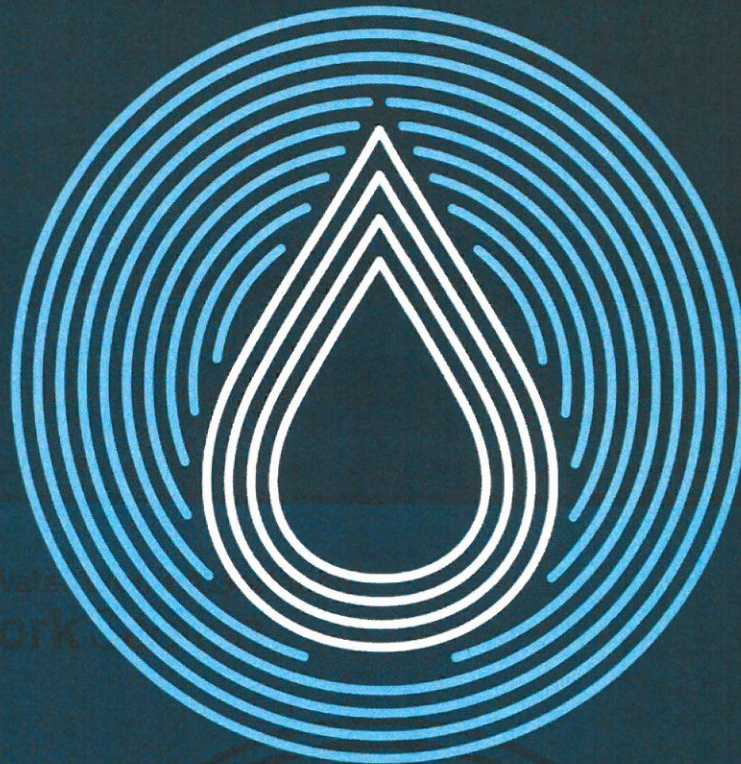
Recruiting, Hiring & Retaining Veterans

Veterans have the skills and drive to serve their communities!

Veterans have many skills necessary to thrive in the water sector. They have experience working in a highly regulated environment, they have shown a commitment to public service, and they handle stress well in crisis situations. Veterans are returning to homes in rural and urban locations and looking for employment.

You need skilled employees and Veterans need jobs. It's a perfect fit!

Visit www.NYSAWWA.org/operator/veterans to learn more!



Recognizing New York's Water Industry's Best of the Best

The New York Section American Water Works Association is now accepting nominations for the 2022 Awards Presentation in which we recognize outstanding individuals and organizations in the water industry.

Awards Include:

Operator of the Year

Operator's Meritorious Service Award

Project of the Year

Young Professional of the Year

Recognition for Service to the Water Profession

Service Provider of the Year

Safety Award

To submit a nomination visit www.NYSAWWA.org/membership/awards

The background of the page is an abstract design featuring several overlapping, curved bands of color. On the left side, there is a solid blue area. This transitions into a series of lighter blue and white curved bands that sweep across the page from the bottom left towards the top right. The overall effect is a sense of movement and depth.

Table Top Displays

AFTEK, Inc

Silver Sponsor

Aftek, Inc. is a supplier of filtration and separation equipment and supplies for industrial and municipal applications. For over 40 years we have been providing high quality solutions for water, wastewater, food and beverage and other industrial needs for filtration and purification.

(800) 840-5366 | www.aftekfilters.com

Alliance for PE Pipe

Gold Sponsor

The Alliance for PE Pipe is devoted to sharing the features and benefits of smooth walled pressure pipe to benefit the municipal water and wastewater industry. The Alliance conducts roadshow events and seminars, online webinars, publishes articles, and assists engineers and municipalities as they plan HDPE projects.

(918) 505-4900 | www.pepipe.org

Badger Meter

Silver Sponsor

Badger Meter is an industry-leading innovator in flow measurement, water quality and control products, serving water utilities, municipalities, and commercial and industrial customers worldwide.

(484) 379-7457 | www.badgermeter.com

CPL

Silver Sponsor

What sets our team apart isn't what we create, it's how we create. Exceptional design demands a partner who listens as much as they plan, and who becomes an extension of the neighborhoods we live and work in. With more than 47 years of experience working alongside passionate community leaders to provide architecture, engineering and planning services, CPL remains steadfast in connecting clients with purposeful, multi-disciplined teams who design quality infrastructure – both seen and unseen – to keep our communities thriving.

(800) 274-9000 | www.cplteam.com

DN Tanks

Silver Sponsor

DN Tanks helps keep the world's most precious resource safe by designing and constructing prestressed concrete liquid storage tanks. Our mission is to provide our clients around the world with the highest quality liquid storage at the best long-term value with an unrivalled customer experience. To do this, we form strong, collaborative relationships that ensure exceptional outcomes. The results are long-term performance, durability, reliability, minimal maintenance requirements, and lowest cost of ownership. With over 90 years of experience, and a deep commitment to helping clients meet the emerging needs of today and tomorrow, DN Tanks is Built for the Future.

(781) 224-5183 | www.dntanks.com

Eastcom Associates

Silver Sponsor

For 50 years, Eastcom Associates has been your source for underground utility protection, maintenance equipment, and training. We offer a wide variety of solutions for utility locating, leak detection, pipe inspection, soft excavation and more. All of this is offer with FULL training and support included. Make your mark... with Eastcom.

(908) 722-7774 | www.eastcomassoc.com

Environmental Training Center

Gold Sponsor

The Environmental Training Center at Morrisville State College is the leader in wastewater and water certification training in New York State. Working closely with the New York State Department of Environmental Conservation and the New York State Department of Health, we are continually evaluating and making improvements to all of the programs we offer in an effort to meet professional expectations and needs. The instructors for all courses are experienced educators and possess extensive training in the wastewater and water fields.

(315) 684-6670 | www.etc.morrisville.edu

Erdman Anthony

Silver Sponsor

For 68 years, Erdman Anthony has provided its clients with innovative ideas and services for their infrastructure needs. As a multidisciplinary engineering firm with more than 250 employees, Erdman Anthony specializes in providing civil, transportation, and facilities engineering services to both the private and public sector. We also offer geospatial and construction-support services. Our services in the water sector include environmental analyses, studies, planning, water distribution and transmission, large valve rehabilitation, cleaning and lining, structural engineering, green infrastructure design, construction administration and inspection.

(716) 631-1241 | www.erdmananthony.com

GP Jager

Silver Sponsor

Our Mission is to ensure your complete satisfaction with our manufacturers' products and services. Representing 65 high-quality manufacturers of water and wastewater treatment equipment in New York and New Jersey, we know that our projects must be well-engineered and competitively priced. We're proud to offer virtually every biological process, filtration, clarification, disinfection, chemical feed and mechanical equipment available today.

(973) 750-1180 | www.jagerinc.com

H2M architects+engineers

Gold Sponsor

Integrity is the cornerstone of H2M architects and engineers. Founded in 1933, H2M has grown to become one of the most respected professional consulting firms in the Northeast. Services include multi-disciplinary engineering and architecture, including water supply/resource engineering and water storage tank inspection services. Offices in Albany, NY; Melville, NY; New York City, NY; Riverhead, NY; Suffern, NY; Westchester, NY; Central Jersey, NJ; Parsippany, NJ; Windsor, CT; Pembroke Pines, FL.

(631)756-8000 | www.h2m.com

Kennedy Valve

Gold Sponsor

Kennedy Valve began operations in 1877 in Lower Manhattan, N.Y. In 1890, the operation was moved to Cossackie, and then in 1907, Kennedy Valve moved to Elmira, N.Y., where it remains a cornerstone of the community. At Kennedy Valve, our experienced sales staff is always available to assist. Kennedy Valve strives to be the leader in customer service and satisfaction by being easy to do business with and furnishing quick and accurate information. Please contact one of our knowledgeable team members for help with your next project.

(607) 734-2211 | www.kennedyvalve.com

Koester Associates

Gold Sponsor

Koester Associates, Inc. is a manufacturer's representative firm supplying water and wastewater treatment and pumping equipment to municipalities throughout NYS and New Jersey with a strong emphasis on field service and customer support.

(315) 697-3800 | www.koesterassociates.com

Mueller Company

Gold Sponsor

Mueller Company is North America's largest & only full-line supplier of Water Distribution Products. Our products are used throughout the water system from source to customer. We catalog thousands of products to suit the needs of any water system. Products include fire hydrants, gate valves, service line brass, pipe repair, tapping machines and more. Mueller Water Distribution products are available throughout New York through Authorized Mueller Stocking Distributors.

(914) 475-5813 | www.muellercompany.com

Nussbaumer & Clarke, Inc.

Silver Sponsor

For nearly 90 years, Nussbaumer & Clarke, Inc. has been working closely with local municipalities and public authorities in developing new water distribution systems, as well as upgrading existing systems to new standards and capacities. Our experienced staff can support water projects from planning through design, construction, and operation. Our services include: Transmission and Distribution Water Mains, Water Treatment Plant Design, Pump Stations, Storage Facilities, Computer Modeling of Water Systems, Backflow Prevention, and Operations Support.

(716) 827-8000 | www.nussclarke.com

Preload

Silver Sponsor

Preload is the world's leader in wire-wound prestressed concrete tank design and construction. Since 1930, Preload's tanks have met the water storage and wastewater treatment needs of thousands of communities. Our tanks are offered in a wide variety of custom sizes. Built to D110 Standard and ACI 372, Preload tanks require no routine maintenance, thereby providing a long service life and superior ROI.

(845) 664-4371 | www.preload.com

Ramboll

Gold Sponsor

Ramboll is a global architecture, engineering and consultancy company, employing more than 16,000 experts. We work across the markets of Buildings, Transport, Energy, Environment & Health, Water, Management Consulting and Architecture & Landscape. Within our Water practice, we support both private- and public-sector clients, leveraging our decades of industrial experience in sectors such as pharmaceuticals, food and beverage, and petrochemical. We work across the entire water cycle – from surface water, groundwater and potable water to wastewater, recycled water, dry-weather runoff and stormwater – to provide innovative solutions to how these systems can work together toward integrated, sustainable water management.

(315) 956-6100 | www.americas.ramboll.com

R.M. Headlee Valve & Controls

Gold Sponsor

Full line provider of municipal valves and actuators with experience and service covering all of upstate New York. AUMA Electric Actuator; Val-Matic SurgeBuster Check, AWWA Butterfly, Plug and Air Valves; Red Valve Pinch Valves; Rodney Hunt Gates; Tideflex CheckMate, Water Tank Mixing System, Aeration System; Pratt Industrial Butterfly Valves and Actuators.

(716) 662-9813 | www.rmheadlee.com

Ross Valve

Gold Sponsor

For 140+ years, Ross Valve has crafted superior Control Valves with unparalleled reliability and long-term value. Furthering our commitment to excellence, we've expanded our facilities, offering:

- 1"- 96" valves controlling pressure, flow, level, and pumping applications
- Specialty valves for Cavitation, Wastewater, and
- Severe Conditions
- Complete Pre-Packaged Valve Vaults

All backed up with a service team for onsite support and your peace of mind.

(518) 274-0961 | www.rossvalve.com

Schnabel Engineering

Silver Sponsor

See company overview for the booklet: Schnabel Engineering is a leading provider of dam, water resources, geotechnical, environmental and tunnel engineering expertise. In the specialized field of dam engineering, our team of nearly 200 technical professionals have provided assessment, analysis, design, risk management, and construction support services for over 5,000 dam and water resources projects domestically and abroad. An ENR Top 500 Design Firm and Top 200 Environmental Firm, Schnabel has more than 440 diverse professionals in 23 offices in 13 states, including one in Clifton Park, New York.

(518) 348-8575 | www.schnabel-eng.com

Sensus

Silver Sponsor

Sensus, a Xylem brand, provides remotely managed Measurement & Control Water products and solutions that deliver the right data at the right time for utilities, cooperatives and municipalities. As part of Xylem's digital portfolio, our smart devices connect with a variety of communication technologies to help customers make timely decisions that optimize their water systems.

(315) 720-7808 | www.sensus.com

Statewide Aquastore® Inc

Silver Sponsor

Statewide Aquastore, Inc. is a provider of Aquastore glass-fused-to-steel storage tanks. Tanks range from 20,000 to 5,000,000 gallons in capacity. They are used for ground storage, stand-pipe or composite elevated designs. Applications involve the storage of potable water, wastewater, sludge, trickling filters, SBR's, fire water storage, ethanol production, methane recovery, industrial waste, and many other applications that require liquid storage. The factory-controlled glassfused-to-steel coating and unique erection procedures make Aquastore the "Tank of Choice" for many projects. They never require repainting, require minimal site space for erection, can easily be expanded in the future and can be constructed all year round. Statewide Aquastore, Inc. has over 1,400 installations.

(315) 433-2782 | www.besttank.com

TiSales

Silver Sponsor

Ti-Sales is a leading distributor of water & wastewater solutions & products dedicated to having the fastest service and the most knowledgeable experts in the water and wastewater industry throughout all of New England and New York. Since 1963, we've worked with countless water utilities, contractors, consultants, and resellers to provide the highest quality products and solutions to meet their long-term needs.

(800) 225-4616 | www.tisales.com

Veolia Advanced Solutions

Silver Sponsor

Veolia Advanced Solutions is a fully integrated professional service and contracting firm dedicated to providing sustainable products and services for potable water distribution systems and sewage collection systems. In addition to our signature asset maintenance programs, we supply innovative technologies and smart metering solutions that help municipal and industrial water utilities optimize their operations. Our team of experienced community-based water consultants and technical experts leads the industry with a strong reputation for safety, quality work, and dependability.

(585) 645-2208 | www.veolianorthamerica.com

Wendel

Gold Sponsor

Wendel is an Architecture, Engineering, Energy Efficiency and Construction Management firm that delivers customized solutions and turnkey projects in innovative ways. Wendel provides a wide array of engineering and construction phase services in many different markets for clients ranging from small communities to large municipalities. Our experience in designing and implementing water projects allows us to focus our efforts on the best opportunities to save energy, improve operations and reduce maintenance costs. Management of energy consumption is a critical factor in balancing regulatory requirements with decreasing capital resources. Certified Energy Managers are part of Wendel's core water team and assist in delivering cost-effective, energy efficient design solutions.

(716) 688-0766 | www.wendelcompanies.com

Woodard & Curran

Gold Sponsor

Woodard & Curran is more than just a consulting firm – we are an integrated science, engineering, design-build, and operations company specializing in water and environmental projects. Our depth of experience across these disciplines makes us uniquely suited to handle any project with a completely tailored approach. By partnering with our clients, adopting their priorities, and understanding the realities they face, we deliver one-of-a-kind answers to unique problems, with a truly collaborative working style. We believe that doing good work for our clients goes hand in hand with doing good work for the companies and communities we serve, and for the planet as a whole, and that all good work begins and ends with a happy, healthy team. These commitments — to each other, to our clients, and to the world around us — define Woodard & Curran.

(914) 380-3011 | www.woodardcurran.com

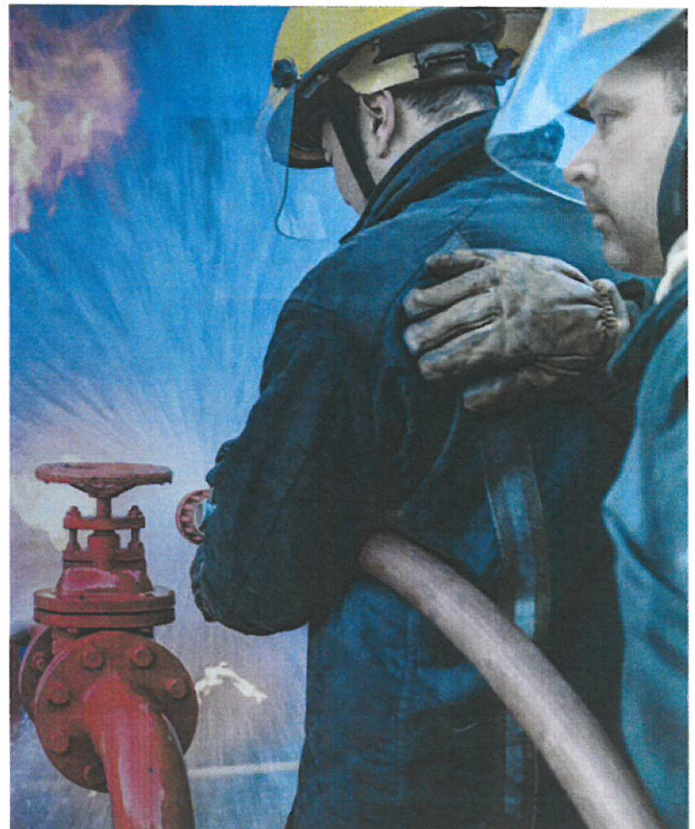


Imagine a Day Without Water

October 20, 2022

Imagine a Day Without Water is a national education campaign that brings together diverse stakeholders to highlight how water is essential, invaluable, and in need of investment. This year, the day of action will take place on October 20, 2022, and will include events, resolutions, student contests, social media engagement, and more—all across the country.

www.imagineadaywithoutwater.org



NYSAWWA Policies

NYSAWWA CONFERENCE CODE OF CONDUCT

The New York Section American Water Works Association (NYSAWWA) is a professional, diverse and inclusive organization that champion a culture of respect for all members and conference attendees. NYSAWWA is dedicated to providing a safe, harassment-free experience for everyone attending a conference regardless of gender, race, ethnicity, sexual orientation, age, disability or religion. NYSAWWA will not tolerate harassment of conference attendees, exhibitors, speakers, volunteers, or staff.

This Code of Conduct prohibits anyone present at an event, including attendees, exhibitors, sponsors, speakers, volunteers, or staff, from engaging in intimidating, harassing, unwelcome, abusive, disruptive, violent or offensive conduct toward others. Derogatory speech, images, and personal insults based on sex, sexual orientation, gender identity, race, disability, religion or ethnicity are prohibited, as is unwelcome sexual attention, touching, stalking, photography, or sexually explicit comments or images. Individuals asked to stop any such behavior must comply immediately. Violators may be subject to expulsion without refund.

Sponsors, speakers, and exhibitors should not use sexualized or offensive images in their presentations, advertising, or booths. Booth staff should not wear inappropriate clothing that create a sexualized environment.

NYSAWWA has a zero tolerance policy for hostile, disruptive or harassing behavior at an event that negatively interferes with the experience for others, or makes others feel unsafe. If you feel you are being harassed, or if you observe others engaging in behavior that violates this Code of Conduct, you may seek out conference staff or contact:

Jenny Ingrao, 716.665.0616, jenny@nysawwa.org, Executive Director
Jamie Howard, jamie.howrd@dnrtanks.com, Section Chair

CONTACT INFORMATION POLICY

When you registered for this event, you agreed that your contact information may be shared with sponsors. Additionally, participants agree to receive show-related and promotional emails from conference hosts and sponsors through a third-party distributor. At no time, however, will attendees' email addresses be sold or otherwise directly disclosed to exhibitors or conference vendors.

TECHNICAL PROGRAM DISCLAIMER

While NYSAWWA has taken care to ensure the qualifications of speakers, presenters, and moderators at this conference, the opinions, comments, and other views made by a participant in his/her presentation(s) are not necessarily those of NYSAWWA nor its officers, directors, planning committee, or staff.

PHOTOGRAPHY AND INFORMATION RELEASE POLICY

By registering for this event, conference participants agree to allow NYSAWWA to use their likeness in any NYSAWWA related production or publication, including, but not limited to, emails, social media posts, printed materials, videos, and websites.

SEXUAL HARASSMENT POLICY

NYSAWWA Member Code of Practice prohibits sexual harassment and inappropriate sexual conduct at conferences, seminars and events. Sexual harassment includes unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature, including jokes and innuendo. Any person who believes a violation of the Member Code of Practice or any other misconduct has occurred should report to the NYSAWWA Executive Director, Chair of the Board of Governors or any presidential officer. NYSAWWA prohibits retaliation against any NYSAWWA staff, volunteer, member, conference participants or other person for making a complaint under NYSAWWA policy or for assisting in a complaint investigation.

SOCIAL MEDIA, CAMERA AND CELL PHONE POLICIES

NYSAWWA encourages the use of social media during our conferences and events. We welcome your photos and quotes. Filming or live streaming of any presentation, session or exhibit hall booth is prohibited without the permission of the presenter or exhibitor. Additionally, if you are unsure about whether it's appropriate to post a photo or quote, please speak with the presenter or exhibitor to request their permission before posting. Violation of this policy may result in confiscation of the media and your removal from the event. NYSAWWA's conference proceedings will contain all presentations and additional materials provided by the presenters who wish to have their information published. Attendees are asked to be respectful of their colleagues by turning off or silencing all mobile devices before entering meeting rooms.

