In*Flow*-Line

The Magazine of the CT Section American Water Works and the Connecticut Water Works Associations Summer 2024



Recap THE 51st Annual CTAWWA/CWWA Joint Conference

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ACE24 Wrap-Up | Work Zone Ahead: Roadway Safety for Utility Workers

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Craig Kelman & Associates

Tel: 866-985-9780
Fax: 866-985-9799
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Managing Editor: Katie Woychyshyn
Marketing Manager: Dave Gill
Design/Layout: Kellee Breckman
Advertising Coordinator: Stefanie Hagidiakow

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CWWA
Betsy Gara, Executive Director
1245 Farmington Avenue
West Hartford, CT 06107
860-841-7350
gara@gmlobbying.com
www.cwwa.org

CTAWWA
Romana Longo,
Executive Director
PO Box 330472
West Hartford, CT 06133
Cell: 860-604-8996
Fax: 860-953-3051
adminmanager@ctawwa.org
www.ctawwa.org

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Future of Water

Having lived elsewhere in New England and now in Connecticut, I often take for granted our overall abundant resources and the continuous water supply that flows through our faucets. The nourishing fluid that quenches our thirst and sustains our crops and ecosystems is a testament to our abundance of water, integrated water management practices, and maintenance of infrastructure.

A Contrast in Experience

However, my recent travels to regions with scorching temperatures consistently around 100 degrees Fahrenheit reminded me of the value of water for human health, sanitation, and hygiene. In such extreme conditions, dehydration becomes a constant battle, and every drop matters. The luxury of turning on a faucet and receiving clean potable water becomes a privilege we should cherish.

The Global Water Crisis

As I witnessed beyond our immediate surroundings, the water crisis looms large across the globe. Millions of people lack access to safe drinking water which can upend their daily life with increasing hardships. Altering precipitation patterns, explosive population growth, and depletion of potable water resources are looming threats not only to humans but to the overall ecosystem.

Local Responsibility

We have a common responsibility to protect our precious local water sources. Here are some actionable steps that we should pursue:

1. **Conservation:** Even with abundant water, conservation matters.
2. **Education:** Educate our stakeholders and communities about water's value.
3. **Advocacy:** Support policies to safeguard water quality and protect ecosystems.
4. **Innovation:** Invest and incubate in developing path-breaking technologies and innovative solutions.

Strategic Outlook

Last year, CWWA's Board worked through a strategic plan with four main goals that helped address some immediate needs to prepare the board and water companies in the state for the future.



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This year, the Board will continue moving forward with those initiatives as well as include a new area of focus to develop awareness for more funding to help improve our aging infrastructure.

Across the country, including Connecticut, we are getting ready to comply with regulations such as lead service line replacement, more stringent lead monitoring, and emerging regulations related to PFAS and other contaminants. Coupled with our challenges to address aging infrastructure and building resilient networks, it is vital that, as an industry, we come together to advocate for appropriate water rates and more state and federal funding and grants. We need to mobilize every resource available to educate and help legislators, regulators, and our customers understand the implications of these challenges.

The CWWA Board, Legislative Committee and our Executive Director, Betsy Gara, are working on your behalf and I urge you to join us. Working together, we will make a greater impact and the richness of diversity representing all domains of water professionals shall be a positive force for a common good.

CWWA exists to advocate for the water industry and represent our members' concerns to our State lawmakers. Come join us at Legislative Committee meetings and make sure the customers you serve get the representation they deserve. If you have questions or want to get involved, reach out to



Executive Director Betsy Gara at *gara@gmlobbying.com* or 860-841-7350. We look forward to hearing from you and I am looking forward to a great 2024/2025.

Conclusion

Water sustains life, transcending geographical boundaries and different people's backgrounds. Let's all appreciate our uninterrupted water supply while advocating for a world where every person enjoys this fundamental need. Together, we can ensure that access to adequate water remains a source of life, health, prosperity, and hope for generations to enjoy.



Nick Rossi



Persevering Through Hectic Times

Over the past year or so, I've tried to make a point to ask some of my colleagues and friends across the industry who have been around a while this question: "Is this the craziest time you've seen in the water industry in your career?" Just about every single person I asked responded with a resounding yes (although someone, I forget who, said the years following promulgation of the Long Term 2 Enhanced Surface Water Treatment Rule were more hectic).

We're all feeling it… utilities, consultants, manufacturers, regulators, distributors, the list goes on. While underfunded regulatory drivers are certainly at the top of the list (PFAS and LCRR), there are several factors that are compounding the challenges into a perfect storm of workload overload. These include changes to the makeup of our workforce and an enormous loss of institutional knowledge through employee retirements; a changing climate with cascading negative effects we're only just beginning to understand; and growing needs and expectations of our customers, some of whom (rightly or not) have the posture that everyone sending them a bill is overcharging. Additionally, our industry's unfortunate but longstanding practice of charging rates that only cover the cost of water system maintenance (but not capital investment) may finally be coming home to roost as the scale and costs for renewing aging infrastructure continue to accumulate.

I know I'm not bringing the optimism that some of you may be expecting. But I believe if we are going to work together to get out of this jam, we need to at least attempt to address our challenges head-on. I don't have all the answers; in fact, I'm not sure I have any. We'll all have to continue working on those together. Instead, I'll just note that (and I know it's corny and you've heard it before): we can't give up and allow our systems to fall into non-compliance with these mandates. We can't turn into an industry that fails to satisfactorily meet our communities' needs because it is too difficult. Our task is noble, and good people are attracted to it.

Our industry is full of "helpers" who want to do the right thing for their communities, their neighbors, and their families by delivering safe and reliable drinking water. We may be feeling the crunch under this current workload, but I know many of you are also feeling that thing that keeps us coming back for more: purpose.

This isn't just a job to most of us – it's a *vocation:* A type of employment or occupation that is worthy of and requiring great dedication. Yes, it is stressful. Yes, we are probably undervalued relative to the importance of water. However, it can be pretty fun sometimes too. We get to work with a lot of great people and carry on the legacy of public health and infrastructure that has made the State of Connecticut a great place to live. There is something special about taking pride in what you do that makes it all worthwhile. So yes: PFAS, staffing issues, lead and copper, and budget shortfalls are driving us all nuts. But to adapt a quote from my favorite author Kurt Vonnegut, the next time you're standing by a reservoir or talking shop in a control room or just doing anything that makes you feel satisfied to be contributing positively to the most vital resource on earth, please stop and think to yourself, "If this isn't nice, what is?"

On a final note, and speaking of good people and helpers, there are two of them whom I greatly admire that deserve recognition. A HUGE thank you to Alex Cosentino as he moves from Chair to Past Chair on the CTAWWA Board and to Ingrid Jacobs, as she rolls off the Board after serving for seven years. Thank you both!



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Similar Challenges, **Similar Goals**

AWWA's Annual Conference & Exposition (ACE) concluded on June 13 following a very successful week of programming hosted at the Anaheim Conference Center in Anaheim, California. Just over 11,000 water professionals (about 8% over expectations) took part in a wide variety of technical programing; visited vendors in an extensive exhibition hall; and watched teams compete in Hydrant Hysteria, Meter Madness and Water Main tapping. Everyone attending had many opportunities to build their network of contacts. Next year, ACE will be in Denver, followed by Washington DC, San Diego, Atlanta, and Philadelphia. Three of the next five years will be in the East, so take advantage of this opportunity to attend ACE.

One aspect of attending AWWA conferences that I've found of great benefit is the recognition that we all experience similar challenges in meeting our regulatory responsibilities or meeting our goals as companies. Learning from our peers about how they've approached these same issues offers great assistance in how we could consider managing them ourselves. There is really no issue we are facing that hasn't been addressed by others who are more than willing to lend a hand. Get involved and help yourself.

I want to update you on the AWWA Water 2050 initiative. I've spoken about this before but to summarize, Water 2050 is a vision of what a water utility can be 25 years in the future based on input from not only today's water professionals, but also what other industries say they'll need our industry to be to meet their goals. This effort has been divided into five primary pillars of action – Technology, Finance, Governance, Social/Demographic and Sustainability. Over the next three years, each area will address specific recommendations as put forward for Water 2050. I've agreed to participate in the Governance workgroup and I'm looking forward to contributing to this effort.



AWWA and AMWA recently filed a petition in the US Court of Appeals for the District of Columbia Circuit requesting the Court to review EPA's final PFAS Drinking Water Rule. Quoting from the AWWA's webpage: *"AWWA and AMWA share EPA's goal of protecting public health. The associations are concerned, however, that EPA did not rely on the best available science and the most recent occurrence data and used novel approaches as the basis for portions of the rule. The petitioners believe the rule underestimates nationwide costs and adds to affordability challenges without achieving the public health outcomes we all seek."* Specifically, the petitioners are concerned that the final rule's health and financial impacts are not accurately characterized. AWWA estimates that the cost of the rule is more than three times higher than EPA's calculations. Furthermore, it is believed that annual expenses for PFAS remediation will surpass the expectations of Congress and EPA, which is expected to lead to significantly higher costs to rate payers.

It is important that we all understand what our industry is seeking from the Court to properly inform our customers and others who may seek opinions. I would suggest everyone spend a few minutes on the AWWA website *(www.awwa.org/pfas)* to learn more about the circumstances and concerns that brought about this significant decision. This action does not suspend the timeline as established by the PFAS Rule so we will continue along the compliance pathway unless conditions change along the way.

"It is important that we all understand what our industry is seeking from the Court to properly inform our customers and others who may seek opinions."

Governor Signs Bills into Law, Others Fail to Advance

The legislature adjourned on May 8 after a short but busy legislative session. Recently, Governor Ned Lamont signed into law the following bills of interest to the water industry.

Dam Safety

Public Act (PA) 24-94 expressly provides that 1) maintaining a dam in an unsafe condition is a violation of law; 2) authorizes the state Department of Energy & Environmental Protection (DEEP) to issue an order to require the owner to place the dam in a safe condition or to allow DEEP to take action to place the dam in a safe condition, including hiring contractors and consultants and recovering such costs, and 3) clarifies DEEP's authority to seek an injunction to place a dam in a safe condition. The bill exempts dams from these requirements if it is only a hazard or threat to the dam owner's property.

PFAS in Consumer Products

Beginning July 1, 2026, **PA 24-59** bans the manufacturing, selling, or offering or distributing for sale 12 categories of products if they contain intentionally added PFAS unless the manufacturer labels the products and gives prior written notice to DEEP. Beginning January 1, 2028, the bill bans new products and product components that contain intentionally added PFAS. Beginning October 1, 2024, the bill bans the sale or use of any soil that includes biosolids or wastewater sludge that contains PFAS.

Water Operators in Training

PA 24-68 codifies existing practice by authorizing the state Department of Public Health (DPH) to issue certificates for water treatment plant or water distribution system operators-in-training. The bill also prohibits anyone from operating plants or distribution systems as an operator-in-training without a DPH certificate and applies the same grounds for disciplinary action against operators-in-training currently applicable to operators.

Notice of Projects in Watersheds

Under current law, applicants generally must notify water companies and DPH when seeking local approval for certain projects in aquifer protection areas or a water company's watershed. **PA 24-68** addresses confusion regarding the term "projects" by specifying that this notice requirement applies when the application concerns land that is within those areas or watersheds. This change applies to certain applications, petitions, requests, or plans filed with a municipality's zoning commission or board of appeals. Water companies and DPH have the right to be heard at any hearing on these applications.

Low-Income Energy & Water Advisory Board

In addition to renaming the board to include water, **PA 24-37** requires the board to make recommendations to the General Assembly on the availability and implementation of heating and water assistance programs that benefit low-income and moderate-income households, including the Connecticut Low Income Household Water Assistance Program. It also requires the board to develop recommendations to improve the availability, administration, and implementation of heating and water assistance programs by coordinating and optimizing existing energy efficiency, water conservation, and energy assistance programs.



CWWA worked with lawmakers to oppose the following provisions, which died this session:

- **SB-137 – AN ACT CONCERNING GAS, ELECTRIC, SEWER AND WATER DELIVERY WORK.** This bill would have subjected contractors on privately funded public utility construction projects to prevailing wage laws and apprenticeship and pre-apprenticeship training requirements, significantly increasing project costs. The bill died in the Judiciary Committee due to opposition from CWWA and other utility groups.

- **SB-149 – AN ACT CONCERNING FORECLOSURE, ASSIGNMENT, AND OTHER ENFORCEMENT ACTIONS FOR UNPAID SEWER ASSESSMENTS AND OTHER FEES.** After passing the Senate, the bill died in the House. CWWA opposed the bill which would have hindered the collection of water and sewer bills by prohibiting municipalities from assigning and foreclosing on liens if the amount owed is less than $4,000 or less than five years have passed since the lien was filed.

- **HB-5004 – AN ACT CONCERNING THE IMPLEMENTATION OF CERTAIN CLIMATE CHANGE MEASURES.** Dubbed the "Green Monster," this bill sought to implement certain measures relating to climate change, including advancing and implementing the state's goals for the reduction of greenhouse gas emissions, the phasing out of the use of natural gas, investment in renewable energy and green economy startup businesses, incentivizing sustainable purchasing by local governments and the enhancement of nature-based solutions to mitigate climate change. Given comprehensive efforts underway to implement stream flow regulations, CWWA objected to language in the bill authorizing the Connecticut Department of Energy and Environmental Protection to "adopt or amend regulations that provide stream flow levels necessary to ensure the resilience and ecological integrity of cold-water streams." After meeting with key lawmakers, this language was deleted from the bill and the amended bill passed the House but died in the Senate.

"In addition to renaming the board to include water, PA 24-37 requires the board to make recommendations to the General Assembly on the availability and implementation of heating and water assistance programs that benefit low-income and moderate-income households, including the Connecticut Low Income Household Water Assistance Program."





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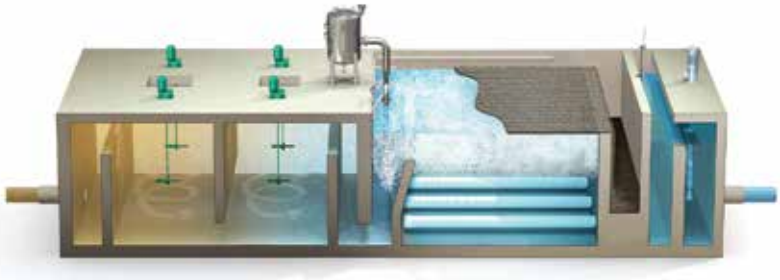
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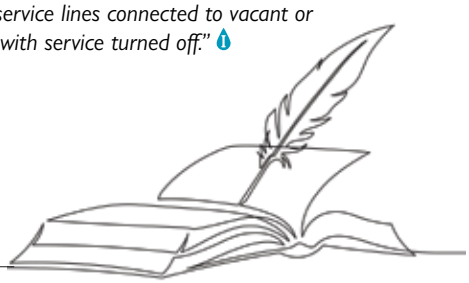
Final LSL Initial Material Inventory Template

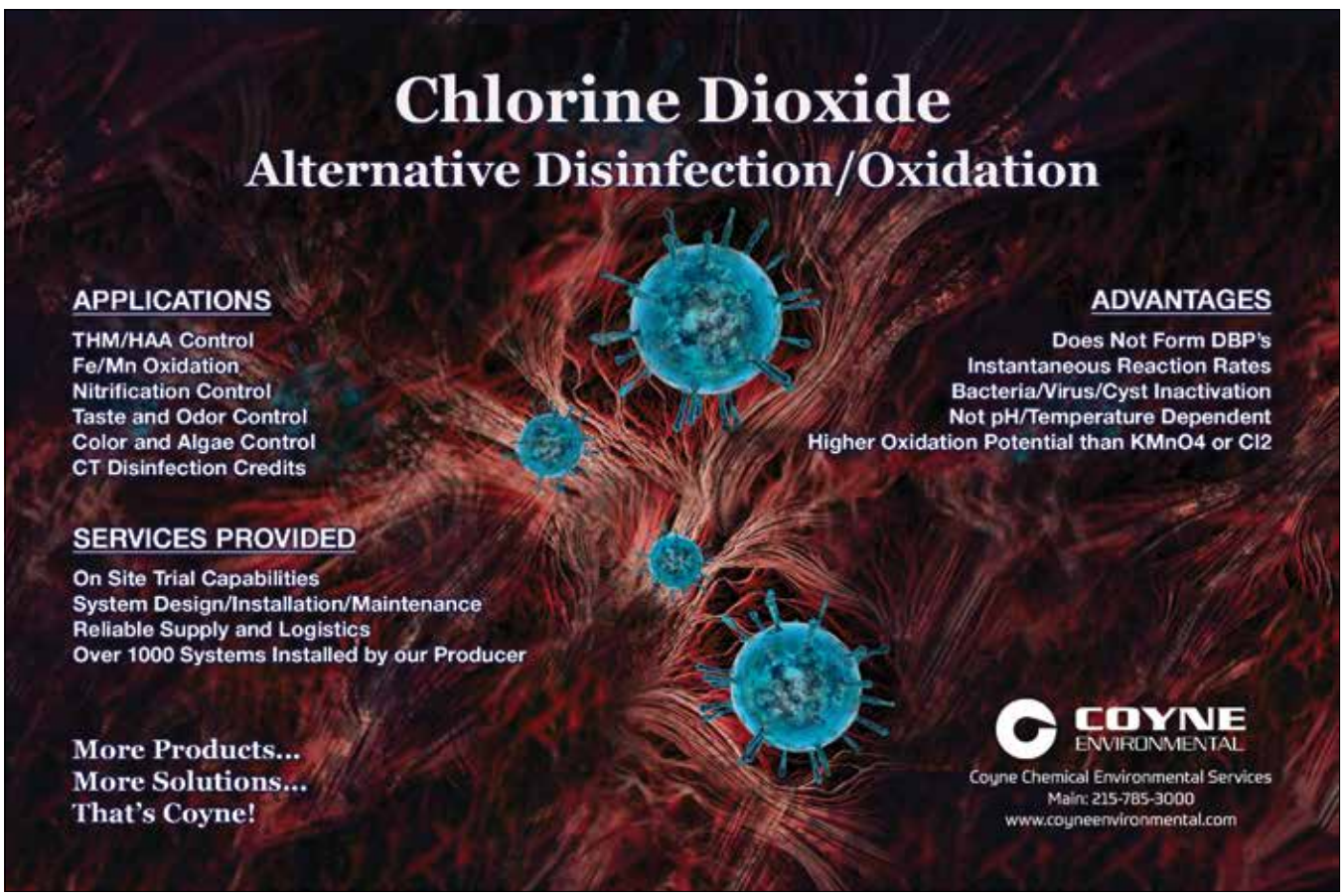
The Lead and Copper Rule Revisions (LCRR) require all community and non-transient non-community public water systems (PWS), regardless of size or other water system characteristics, to develop a service line inventory that identifies materials used to construct and repair all service lines connected to the public water distribution system. The initial material inventory must be submitted to the state Department of Public Health Drinking Water Section (DPHDWS) by October 16, 2024.

DPHDWS recently released the final version of the lead service line initial material inventory template (which requires PWS to identify not only the lead service lines, but also galvanized service lines, service lines whose material composition is unknown, and service lines of known materials. PWS must identify the gooseneck, pigtail, or connector material if the system service line and/or the customer service line material is lead in compliance with existing regulations. However, DPHDWS strongly recommends PWS identify the connector, gooseneck, or pigtail materials and the internal plumbing materials during the information review process to facilitate compliance with other LCRR requirements.

Of particular note, the instructions direct water systems to include *all* service lines, including non-potable applications and lines connected to buildings with service turned off, as follows:

"4. Water systems must include all service lines connected to the system, regardless of the actual or intended use. These include non-potable applications such as fire suppression or emergency use, and service lines connected to vacant or abandoned buildings with service turned off."





Recap:

The 51st Annual CTAWWA/CWWA Joint Conference

The 51st Annual CTAWWA/CWWA Joint Conference, held from May 22 to 24, at the picturesque Taconic Hotel in Manchester, VT, was a resounding success. With 120 water professionals in attendance, the conference provided a platform for learning, networking, and celebrating achievements in the water industry.

WEDNESDAY: *A Warm Welcome and Historic Insights*

The conference commenced on Wednesday with a luncheon sponsored by the Associates Committee, setting a convivial tone for the days ahead. Alan Wells, Chair of the Associates Committee, delivered the opening remarks, extending a warm welcome to all participants. The luncheon speaker, Shawn Harrington from the Manchester Historical Society, captivated the audience with a fascinating history of the town, enriching attendees' appreciation of the area.

Following the luncheon, Alex Cosentino, CTAWWA Chair, delivered welcoming remarks, setting an optimistic tone for the conference. Randy Moore, AWWA Vice President and visiting officer, provided an AWWA National Update, underscoring the latest developments and initiatives within the organization. The afternoon was dedicated to a series of technical sessions, offering attendees valuable insights into various aspects of water management and technology.

The evening featured a lively social hour, a welcome dinner reception, and the section awards ceremony on The Green at the Taconic Hotel. Attendees enjoyed live music by local talent, The Gully Boys, creating a festive atmosphere and providing the soundtrack for many enjoyable conversations among participants.

THURSDAY: *Insightful Discussions and Engaging Activities*

Thursday morning began with breakfast featuring AWWA Vice President Randy Moore and Tom Barger, National Director of CTAWWA. This session provided a platform for meaningful discussions on the direction of the AWWA and the challenges faced by the water sector.

The morning continued with more technical sessions, delving deeper into the complexities and innovations within the industry. The keynote address by Stephen Frenkel of Voyager Executive Coaching was a highlight, focusing on "Employee Engagement & Healthy Team Dynamics." Frenkel's insights into fostering a positive work environment and effective team collaboration resonated with many attendees, offering practical strategies for improving workplace culture.

In the afternoon, participants had the opportunity to tour the water and sewer system at Bromley Ski Mountain, an engaging networking event that combined professional interest with the beauty of Vermont's natural landscape.

The day concluded with a reception and awards banquet at the Inn at Manchester Red Barn. This elegant event provided another opportunity for attendees to connect, celebrate the achievements of their peers, and reflect on the day's learnings.

Thursday night was also significant as the new leaders and board members were named, with Nick Rossi taking the helm as Chair of CTAWWA and Sunny Lakshminarayanan stepping in as CWWA President for the 2024/2025 term. This leadership transition marks a new chapter for both organizations, with expectations of continued progress and innovation.

FRIDAY: *Forward-Thinking Discussions and Friendly Competition*

Friday's agenda featured the Manufacturers and Associates Council (MAC) Roundtable and Panel Discussion. This session, focused on service providers' perspectives in a post-COVID world, offered a platform for open dialogue on the evolving challenges and opportunities within the industry. The panelists shared their experiences and insights, contributing to a discussion that was both forward-thinking and practical.

The conference wrapped up with the Water for People (WFP) Smarts Game, a spirited tradition hosted by Nick Rossi. This year, CWWA emerged victorious, earning the coveted trophy and the accompanying bragging rights and a donation to WFP on behalf of the winners.

ACKNOWLEDGMENTS

The success of the 51st Annual CTAWWA/CWWA Joint Conference would not have been possible without the dedication and hard work of many individuals. Special thanks to Romana Longo, Executive Director of CTAWWA, for her exceptional planning and coordination, ensuring a memorable and impactful event for all attendees.

As we look back on this year's conference, we celebrate the knowledge shared, connections made, and the continued commitment to advancing the water industry. Here's to another successful year and the ongoing collaboration between CTAWWA and CWWA.

With 120 water professionals in attendance, the conference provided a platform for learning, networking, and celebrating achievements in the water industry.

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2024 AWARDS

George Warren Fuller Award

George Warren Fuller Award is presented annually by AWWA to the sections' respective selected members for their distinguished service to the water supply field in commemoration of the sound engineering skill, the brilliant diplomatic talent and the constructive leadership, which characterized the life of George Warren Fuller.

Kathy Fortin

CTAWWA Diversity & Inclusion Award

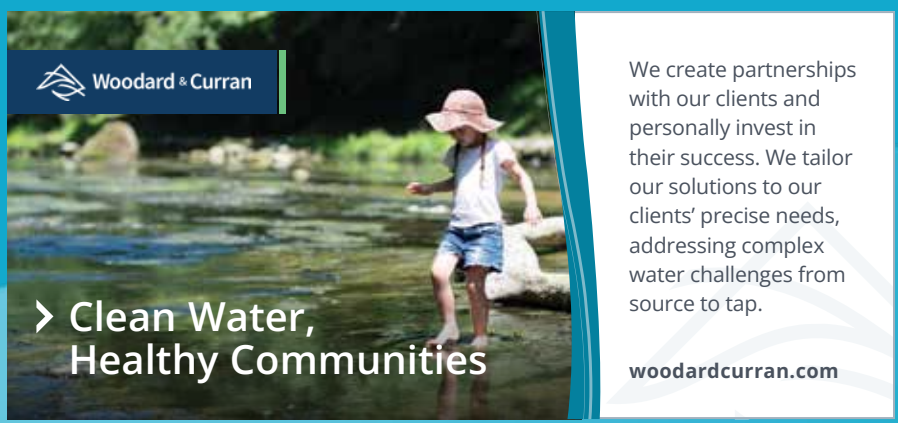
The Diversity & Member Inclusion Section Award recognizes efforts of local members, companies, or utilities that have strong Diversity programs or encourage work environments that welcome employees of all backgrounds and abilities.

Tighe & Bond

CTAWWA John Lechner Award of Excellence

An individual award of excellence to recognize a Section Service Provider Member (SVP) who has demonstrated exemplary service to the drinking water community and to AWWA's Mission and goals. An AWWA Section has the opportunity to further recognize individual achievements by submitting the Section winner as a candidate for the Association John Lechner Award of Excellence.

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CTAWWA *Certificate of Recognition*

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David Kuzminski

AWWA *Kenneth J. Miller Founders' Award*

The Kenneth J. Miller Founders' Award was established in 2001 by the Board of Directors of Water for People to honor outstanding volunteer service being contributed to this international humanitarian effort. As Water for People grew and began to accomplish its vision of service, it became evident that extraordinary volunteer efforts were being made at the local level and that this dedicated work ought to be publicly acknowledged and honored. The Founders' Award was established for this purpose.

Ada Liz Gabancho-Soto, Connecticut Water Company

CTAWWA *Operator's Meritorious Service Award*

To recognize an individual in the water field who has demonstrated consistent and outstanding contributions to plant operations and/or maintenance to the distribution system and/or special acts not directly related to water treatment, but which demonstrate dedication to the public beyond normal operating responsibilities.

Christopher Parisan, The Metropolitan District Commission

AWWA *Gold Water Drop Award*

The Gold Water Drop Award recognizes the commitment of members who have shown their long-time commitment to the Association. The Gold Water Drop Award is awarded on the basis of a 50-year cumulative membership in the Association.

Raymond Jarema

CTAWWA *Young Professional of the Year Award*

To recognize and honor young professional members of AWWA who have demonstrated outstanding service to their Section or Association through leadership and active participation in AWWA YP programs.

Jennifer Reynolds, Tighe & Bond

AWWA *Life Member Award*

The Life Member Award is presented to those members who have contributed 30 years of cumulative membership in support of AWWA and have reached the age of 65.

Janice Beecher
James Randazzo
John Sima
Franciscus Thomas

AWWA *Silver Water Drop Award*

The Silver Water Drop Award recognizes the commitment of members who have shown their long-time commitment to the Association, but who are not yet eligible for Life Membership status. The Silver Water Drop Award is awarded on the basis of a 25-year cumulative membership in the Association.

Scott Bonett
Donald Distante
Peter Grabowski
George Logan
Thomas Murphy
Shugen Pan
Craig Patla
Judy Soda

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American Water Works Association
ConnecticutSection


ConnecticutSection







American Water Works Association | ACE24

Co-hosted by American Water Works Association California-Nevada Section

Transforming our Water Future

June 10-13, 2024
Anaheim, California

ACE24 Wrap-Up:

Celebrating Achievements and Looking Forward

The ACE24 conference in Anaheim, CA, brought together professionals dedicated to addressing and planning for the critical issues shaping the future of water. As a collective, attendees made significant strides towards making impactful changes that will shape our planet's trajectory. The event was a resounding success, with approximately 45 members from Connecticut participating, each contributing to the vibrant discussions and activities.

Connecticut's Achievements at ACE24

Connecticut's representatives shone brightly at ACE24, earning accolades and recognition across various categories.

AWWA Awards

- **George Warren Fuller Award –** Kathy Fortin received this prestigious award, recognizing her outstanding service and leadership.
- **Chuck Van Der Kolk Award –** Judy Soda, Tata & Howard was recognized for recruiting the most members.



Kathy Fortin receiving the George Warren Fuller Award.



Judy Soda receiving the Chuck Van Der Kolk Award.



Ajay Sharma representing CT AWWA in the YP Poster Contest.



The CT Hydrant Hysteria Team.

CTAWWA Awards

- **CT Young Professional Poster Contest Winner –** Ajay Sharma from Kleinfelder showcased his innovative ideas, earning accolades for his poster presentation.
- **CT Hydrant Hysteria Team –** Bristol Water and Sewer performed admirably, securing 10th place out of 32 teams in this challenging competition.
- **CT Best of Water Test –** Berlin Water represented Connecticut in the Best of Water Taste Test.

Congratulations to all Winners!

The Connecticut Section of the American Water Works Association (CTAWWA) also held its traditional joint luncheon with the New England section (NEAWWA) at Peusto Anaheim, attended by approximately 50 participants. This gathering fostered networking and collaboration among professionals from the Northeast.

Special Recognitions

Special congratulations go to Aquarion Water Company of Connecticut and Connecticut Water Company for receiving the Phase III Director Awards for Water Treatment from the Partnership for Safe Drinking Water. Their commitment to ensuring safe and clean drinking water sets a high standard in the industry.

We also extend a shout-out to Priyanka Sonone from Connecticut Water and Patricia Kelliher from Hazen and Sawyer for their presentations at ACE. Their contributions highlighted important advancements and shared knowledge that will benefit the broader water community.

Looking Forward to ACE25

As we reflect on the success of ACE24, we eagerly anticipate AWWA's 2025 Annual Conference & Expo in Denver, CO on June 8-11, 2025. The theme for ACE25 is Water Solutions: Our Journey to Ensure Clean and Safe Water. This theme underscores our collective commitment to addressing the evolving challenges in the water sector with heightened awareness, elevated standards, and innovative solutions.

ACE25 will be a platform for us to come together, share ideas, and develop new strategies to elevate the future of water. Let's innovate together and continue to make a lasting impact.

We look forward to seeing you in Denver!

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CWWA and CTAWWA Fall Conference 2024

October 17, 2024

8:00 am to 2:00 pm

Aqua Turf, Plantsville, CT

SPONSORSHIPS & EXHIBITOR SPACE AVAILABLE!

Don't miss the CWWA/CTAWWA Fall Conference on Thursday, October 17, 2024, at the beautiful Aqua Turf Club, Southington, CT. We expect record attendance this year as we gather to hear from state regulators, lawmakers, and our colleagues in the water industry about issues of importance to water utility professionals. Last year, more than 200 water industry professionals attended the event and exhibitor space was sold out!

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- **Space for handouts on conference registration tables.**
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- **Company name/logo featured on CWWA's website.**
- **One complimentary registration, which includes a buffet lunch and continental breakfast.**

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Showcase your company's products and services directly to key decision-makers in the water industry by reserving your tabletop space today!

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- **Networking opportunities with water industry professionals.**
- **Company name/logo featured on power point slide during registration and lunch.**
- **Company name/logo featured on CWWA's website.**
- **Two complimentary registrations, which include buffet lunch and continental breakfast.**
- **A list of attendees and their contact information to make it easy for you to follow up with key contacts.**

EXHIBITOR SPACE:

CWWA and CTAWWA Members: $575
Non-Members: $675

SPECIAL OFFER:

Sponsorship and Exhibitor Space Package CWWA and CTAWWA members may reserve sponsorship and exhibitor space at the discounted rate of $850.

INDIVIDUAL REGISTRATION:

CWWA and CTAWWA Members: $125 per person
Non-Members: $150 per person

Questions? Contact CWWA's Betsy Gara at *gara@gmlobbying.com* or 860-841-7350.

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American Water Works Association



American Water Works Association
ConnecticutSection

CALL FOR ABSTRACTS:

CTAWWA'S 10TH ANNUAL WATER QUALITY & TREATMENT SYMPOSIUM

DATE: **November 2024**
LOCATION: **Norwich Inn and Spa, Norwich, CT**

Got a topic you want to talk about? Many areas of significance have been rolled out recently within the drinking water industry. Present and share ideas at the 10th Annual Water Quality & Treatment Symposium presented by the Connecticut Section AWWA.

Criteria for Selection

Originality, Case Studies, Innovation, Significance of Work, Audience Range, Technical Content, Quality of Abstract, and Real-Life Relevance.

Suggested Topics Include:

Climate change issues/impacts, corrosion control and the Lead and Copper Rule, distribution system operations, storage, and management; emerging contaminants, biological treatment, disinfection by-products, legacy manganese, distribution system water quality and system issues, disinfection practices, energy optimization and sustainability, groundwater, inorganic contaminants, lab methods and analysis, membranes, microbiology/organisms in water, organic contaminants, regulatory issues and policy issues, non-municipal treatment applications, residuals management and disposal, cyber security, source water protection, taste and odor issues, treatment processes and techniques, UV, AOP and Ozone, water treatment in developing countries, and contaminant occurrence monitoring, etc.

What to Submit:

Please complete the information in our online form including presentation title, a short description of the presentation, and names of presenters. Find our online form at *https://ctawwa.wufoo.com/forms/z4hoijy1rxli8h.*

Submission Due Date: August 9, 2024

Questions:

Please contact Steve Olson at H2Olson Engineering, Inc. at 508-375-7007 or *sco@h2olsonengineering.com.*



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Looking Back:

The 28th Annual Fall Golf Classic

The 28th Annual Fall Golf Classic took place on September 12, 2023 at the Tunxis Plantation Golf Course and Banquet Facilities to benefit the CTAWWA Philanthropic Committee.

Consider attending this year's event on September 10, 2024.



















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4pm Raffles & Awards

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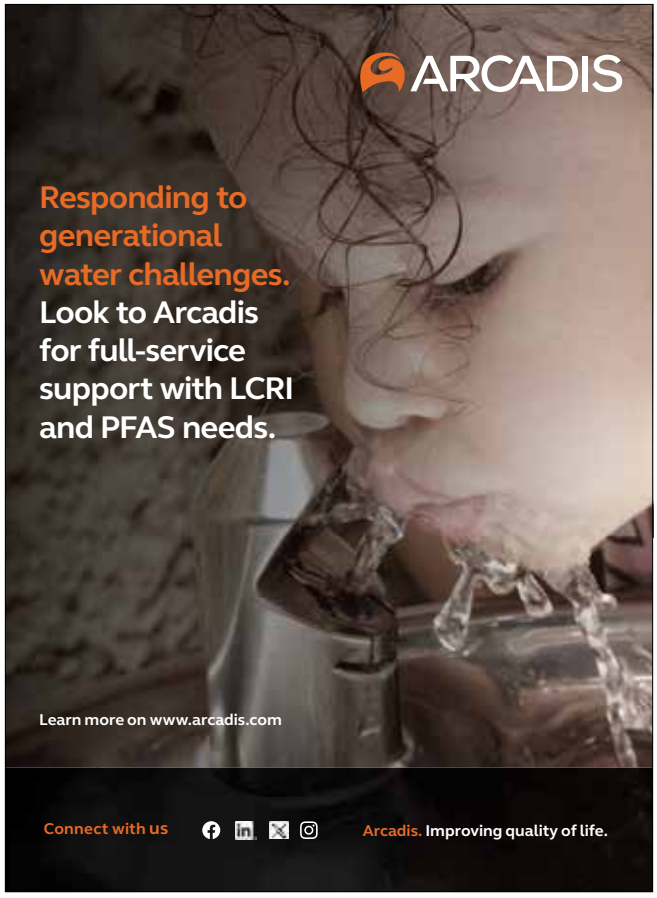
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Final Per and Polyfluoroalkyl Substances (PFAS) Regulation (April 2024)

By Felipe S. Contreras, PE, CME, CFM, and Nick Rossi, PE, from CDM Smith (East Hartford, CT)

The US Environmental Protection Agency (EPA) developed regulations for Per and Polyfluoroalkyl Substances (PFAS) to address the potential risks associated with these chemicals in drinking water. To protect public health by preventing exposure, the EPA aimed to establish enforceable standards for PFAS in drinking water.

HISTORY

Since PFAS became emerging contaminants of concern in the early 2000s, federal and state authorities have established a variety of health-based regulatory values or advisory levels. On the federal level, in 2009 the US Environmental Protection Agency (EPA) issued Provisional Health Advisory (HA) levels for short-term exposure at:

- 400 parts per trillion (ppt) or nanograms per liter (ng/L) for perfluorooctanoic acid (PFOA), and
- 200 ppt for perfluorooctane sulfonic acid (PFOS).

These were replaced in 2016 by the updated lifetime drinking water HA of 70 ppt for the combined concentration of PFOA and PFOS.

In January 2021, EPA announced its final determinations to regulate PFOA and PFOS in drinking water and its intent in moving forward to implement the National Primary Drinking Water Regulation (NPDWR) development process for these two contaminants. On June 15, 2022, EPA released the following interim HA levels to replace those established in 2016 for PFOA and PFOS as well as the final HA levels for perfluorobutane sulfonic acid (PFBS) and hexafluoropropylene oxide dimer acid (HFPO-DA), which is also known as GenX. The proposed HA levels for PFOA and PFOS were lower than the practical quantitation levels (PQLs) for sample analysis or the minimum reporting levels (MRLs) available by the analytical methods approved for drinking water matrices:

- PFOA: 0.004 ppt (interim)
- PFOS: 0.02 ppt (interim)
- GenX: 10 ppt (final)
- PFBS: 2,000 ppt (final)

Also in June 2022, Connecticut Department of Public Health (CTDPH) released their own PFAS action levels for four PFAS: PFOS, PFOA, perfluorononanoic acid (PFNA), and perfluorohexane sulfonic acid (PFHxS). With the publication of the PFAS Rule by EPA in April 2024, these action levels are no longer relevant for water systems considering PFAS compliance.

PFAS RULE

In March 2023, EPA released the draft PFAS NPDWR. The final National Drinking Water Standards for six PFAS compounds were announced on April 10, 2024, and published in the Federal Register on April 26, 2024. This final rule regulates the six compounds identified above.

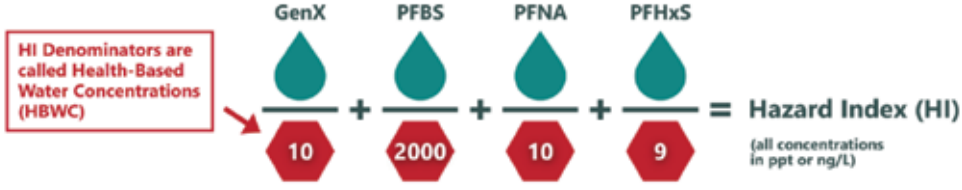
The Maximum Contaminant Level Goal (MCLG), or the maximum level at which no known or anticipated adverse health effect would occur, was proposed by EPA at zero for PFOA and PFOS after determining these compounds to be carcinogenic. The final rule proposed the following maximum contaminant levels (MCLs) in finished water, as presented in Table 1, in considering the MCLG determinations and analytical and treatment feasibility

TABLE 1: PFAS RULE MCLS

PFAS	MCL (ng/L or ppt*)
PFOA	4.0
PFOS	4.0
PFNA	10
PFHxS	10
HFPO-DA (GenX)	10
Mixture of PFNA, PFHxS, GenX, and PFBS	HI Value of 1.0 (Unitless)

EPA determined that exposure to a mixture of multiple PFAS in drinking water such as PFHxS, PFNA, GenX, and PFBS can act in a dose additive manner, meaning low levels of multiple compounds combined in a mixture are expected to result in adverse health effects. As a result, EPA proposed a Hazard Index (HI) approach to represent the overall potential risk of a mixture using the equation below, with all values in ng/L or ppt. The proposed MCLG for the four compounds is an HI of 1.0 (unitless). The denominators in the equation represent Health Based Water Concentrations (HBWCs) for respective compounds.

It is important to note that this HI approach enables the future addition of other PFAS to this equation as more information becomes available on additional compounds that warrant regulations.



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INITIAL MONITORING

The initial monitoring for the six PFAS must be completed by April 2027. Samples are to be taken at the entry point of the distribution system and analyzed by EPA Method 533 or 537.1 Version 2.0.

Initial monitoring requirements vary based on the size of the water systems.

1. **Surface Water Systems and Large Groundwater Systems (Serving >10,000 People):**
   - These systems must complete quarterly monitoring over a 12-month period, with sampling intervals of two to four months apart.
   - The monitoring must be completed within three years of the final rule.
   - Previous monitoring results can be used.

2. **Small Groundwater Systems (Serving <10,000 People):**
   - Small groundwater systems need to complete monitoring twice over a 12-month period, with sampling intervals of five to seven months apart.
   - Similar to large systems, this monitoring must also be completed within three years of the final rule.
   - Previous monitoring results may be utilized.

Previous monitoring results can be used as long as they comply with one of the scenarios below:

1. **UCMR 5 or Other Data (collected after 1/1/2023): These data sources, collected using EPA Methods 533 or 537.1 Version 2.0, are relevant for compliance.**
2. **Data Collected Between 1/1/2019 and 12/31/2022: If these data are below the Maximum Contaminant Levels (MCLs), they can also be used for compliance assessment.**

COMPLIANCE MONITORING

A running annual average (RAA) approach calculates compliance, meaning a single result of PFOA or PFOS that is slightly above the proposed MCLs would not result in a violation, assuming other quarterly samples remain below the MCLs. One exception is if one quarterly sample result causes the RAA to exceed the MCL immediately (e.g., result is greater than four-times of the MCL). Also, when calculating the RAAs, sample results below the practical quantification limits (PQLs) for the monitored PFAS are proposed to be treated as zero in the compliance calculation. The PQLs for the six PFAS included in the proposed rule are presented in Table 2. In addition, a system will not be considered in violation until it has completed one year of initial quarterly sampling.

It should be noted that the HI MCL is only violated when two or more PFAS are present in the water. For example:

- If the HI MCL exceeds 1 because the level for only one of GenX, PFHxS, or PFNA exceeds 10 ppt, only the individual MCL will be violated.
- If the HI MCL exceeds 1 because the PFBS level exceeds 2,000 ppt, the HI MCL is still not violated as only one compound is present in the water.

The federal regulation also includes significant figure requirements for RAA calculation and reporting. Two significant figures are required for PFOA and PFOS levels while one significant figure is required for PFHxS, PFNA, GenX, and the HI. This has substantial impacts on allowable levels for determining MCL violations as summarized in Table 3.

Although the MCLs for PFOA and PFOS are set at the PQLs, EPA acknowledges that most laboratories are capable of lower minimum reporting levels. Therefore, the proposed rule includes the use of a rule trigger level set below the PQLs, as presented in Table 2 above. The proposed trigger levels are half of the MCLs. Water systems that have samples below the trigger levels during initial monitoring may qualify for reduced monitoring.

TABLE 2: PFAS RULE PQLS

Contaminant	PQL (ppt)	Trigger Level for Reduced Monitoring (ppt)
PFOA	4.0	2.0
PFOS	4.0	2.0
PFHxS	3.0	5.0
PFNA	4.0	5.0
HFPO-DA (GenX)	5.0	5.0
PFBS	3.0	5.0
Mixture of PFNA, PFHxS, GenX and PFBS	--	0.5

TABLE 3: SIGNIFICANT FIGURE REQUIREMENT FOR PFAS REPORTING

PFAS	MCL (ng/L or ppt)	Significant Figure Requirement	Example Rounding for Reporting
PFOA or PFOS	4	2	RAA of 4.04 ng/L = round to 4.0 ng/L = **Compliance** RAA of 4.05 ng/L = round to 4.1 ng/L = **Violation**
PFNA, PFHxS, or GenX	10	1	RAA of 14.9 ng/L = round to 10 ng/L = **Compliance** RAA of 15.0 ng/L = round to 20 ng/L = **Violation**
Mixture of PFNA, PFHxS, GenX, and PFBS	HI Value of 1 (Unitless)	1	RAA of 1.49 = round to 1 = **Compliance** RAA of 1.50 = round to 2 = **Violation**

REDUCED MONITORING

Unless approved for reduced monitoring, systems must provide quarterly compliance monitoring after the initial monitoring.

If all samples during initial monitoring are below the trigger levels, the systems may be approved for triennial monitoring. Triennial monitoring requires one sample per three-year compliance period, and the sample is to be collected during the quarter with the highest period concentration identified in the most recent year.

During compliance monitoring, systems that demonstrate PFAS concentrations reliably and consistently below the applicable MCL for four consecutive quarterly samples may be eligible for annual monitoring. Once approved for annual reduced sampling, one sample per one-year compliance period will be collected during the quarter with the highest period concentration identified in the most recent year.

FUNDING

Funding for PFAS related projects is available through three EPA programs that support emerging contaminants removal:

- The Drinking Water State Revolving Fund-Emerging Contaminants Program,
- The Clean Water State Revolving Fund-Emerging Contaminants Program, and
- The Emerging Contaminants in Small or Disadvantaged Community Grants.

The overall amount made available nationally through the Bipartisan Infrastructure Law (BIL) for these programs is $10 billion over five years from 2022 through 2026. An annual amount of funding is made available from EPA to the states, and then the states allocate it to utilities' projects within their state as 100% principal forgiveness, or grants.

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CTDPH has developed an Emerging Contaminant allotment formula based on:

1) Population served, and
2) Whether the project qualifies for the disadvantaged community assistance program.

According to CTDPH's Annual Intended Use Plan (IUP) for FY 2024, Connecticut received an Emerging Contaminant allotment of $7.64 million for emerging contaminants in FY23, or about 0.95% of the national allotment. For FY2024, the CTDPH IUP Emerging Contaminant Project Priority List indicates a total amount requested from utilities for PFAS projects of approximately $57 million and an estimated BIL Emerging Contaminants allotment of approximately $6 million.

CLOSING

In the wake of the EPA's decisive action on PFAS compounds, we stand at a pivotal juncture where the safety of our drinking water intersects with the innovative spirit of environmental stewardship. The final National Drinking Water Standards, a testament to our commitment to public health, heralds a new chapter in our relentless pursuit of a contaminant-free future for this nation's drinking water. While funding gaps exist, the infusion of $10 billion through the Bipartisan Infrastructure Law is an investment in the well-being of our communities and the integrity of our ecosystems. Together, we are safeguarding our most precious resource for this generation and those to come.

Editors Note – See Page 11 for a description of the ongoing court petition regarding this new rule.

We stand at a pivotal juncture where the SAFETY OF OUR DRINKING WATER intersects with the innovative spirit of environmental stewardship.



Connecticut Utility Utilizes Fire Hydrant Leak Detection Technology

By Lou Rossetti, Senior Vice President of Sales at Orbis Intelligent Systems



Minimizing non-revenue water loss in the Greater Hartford area is being driven by a successful collaboration between The Metropolitan District (The District) and the California-based technology company Orbis. The partnership began in October 2023, with the installation of 250 Orbis SmartCap telemetry leak detection devices on fire hydrants. To date, The District has already located eight leaks in the network, three service line leaks and five main line leaks, none of which had surfaced and could have continued to run indefinitely or turned into catastrophic breaks.

BACKGROUND

The water distribution network in The District comprises more than 1,500 miles of water pipes and distributes approximately 50 million gallons of water a day, serving 102,000 houses and businesses over within eight-member district towns and four partially served non-member district towns. Two-thirds of the distribution system consist of historic infrastructure more than 50-years-old, installed within busy commercial and residential areas.

An upward trend in repairs over the years, along with the aging infrastructure, has contributed to non-revenue water calculations for The District of around 20% of production annually. Much of this loss is traditionally considered "unaccountable" as it is due to water losses from distribution system infrastructure. These losses range from small leaks in the service lines taking water to properties, to large breaks on the distribution mains where water can become visible as it breaks through roads and sidewalks, causing major disruption in busy areas.

An acoustic fixed-base pipe monitoring technology that uses fire hydrants to host multi-sensor devices is being utilized by The Metropolitan District in its distribution system to prevent disruptive leaks and build resilience.

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The District is proactively seeking to reduce water loss in the distribution system by incorporating early detection for leaks hidden underground. The goal is to address smaller leaks and pre-emptively prevent larger leaks to reduce customer disruption and minimize emergency repair and overtime work. To do this, The District found that it must provide for a more robust, adaptable, and effective leak detection system that will build resiliency and shift to data-led proactive operations.

One method being implemented by District engineers and technicians to achieve this goal is the integration of smart water technologies such as Orbis SmartCaps. The data received from the SmartCaps will help The District with both determining immediate repair needs as well as longer-term asset management investment planning, budgeting for capital expenditures, and the strategic coordination of infrastructure repair across service area towns. This, in turn, will ensure time is used more efficiently by maintenance crews in the future.

REAL-TIME DATA

The Orbis SmartCap is an intelligent fire hydrant and pipe monitoring device that enables remote leak detection by telemetrically providing data from a multi-sensor system. Packaged into a fire hydrant cap, the device can convert any fire hydrant, be that wet or dry barrel hydrants and legacy hydrants, into a smart-enabled asset simply by replacing the pumper nozzle cap. Fire hydrants fitted with SmartCaps function in the same way as those without the devices, and no special equipment is needed to remove them so the technology does not hinder fire crews in their work.

Data received by the sensor is automatically uploaded to Orbis's cloud-based *Streamline* portal, which collates an array of parameters from within the pipe on flow conditions, along with corresponding GPS location information. *Streamline* uses algorithmic models to create scheduled reports and alerts which can be accessed by operators. Around 20 District technicians have been trained on the *Streamline* portal, where they can regularly check and identify warnings for potential leaks coming from the installed SmartCap devices. Orbis also supports The District with technical support follow-up meetings and readily available emergency contacts.

COST SAVINGS

The SmartCap's remote monitoring capability means no manual labor resource is required onsite to detect the leaks.



However, the primary savings come from the prevention of future water losses and by lowering the risk of major infrastructure damage and potential legal claims that can result from a water main break.

Collectively, drinking water systems in the US currently lose at least six billion gallons of water every day and a water main break occurs every two minutes. This is according to figures from the American Society of Civil Engineering, which also says the country as a whole lost an estimated US$7.6 billion worth of treated water in 2021 due to leaks. Additionally, for The District, some of the potable water leaking from water mains makes its way into the sewer system by infiltration. This, in turn, adds to the volume being treated at the wastewater treatment plant, increasing costs and strain on the plant.

SUCCESSFUL COLLABORATION

The District has been expanding the use of SmartCaps once the positive results from the initial installations became evident and returns were realized. A second order of 250 units were installed in January 2024 and additional units will follow later in 2024 and in 2025. The installation of the hydrant SmartCaps will focus on areas where there is already a history of leaks and breaks, aging infrastructure, areas of heavy road use, or sites with precarious soil conditions.

"As the SmartCaps are installed and brought online, we're finding that the ease of deployment and the plug-and-play strength has been a huge positive for us as we can strategically plan when and where to place them in relation to the characteristics of the existing infrastructure," said Jessica Coelho, Project Manager at The Metropolitan District. "The SmartCap's accuracy gives daily acoustic monitoring and data logging which enables repair teams to quickly locate underground leaks. Once an area has been fully surveyed and all existing, smaller, and emerging leaks have been found, it will be possible to easily relocate the SmartCaps if needed."





Work Zone Ahead:
Roadway Safety for Utility Workers

By Mike Witek, Safety Training Coordinator, The Connecticut Water Company

Almost all of us are drivers on the road each day, and sometimes our work results in us working within a roadway or roadside construction zone, commonly called a "work zone." Between 2020 and 2022, Connecticut experienced 2,566 vehicle crashes in work zones with 10 fatalities. In 2023, drivers crashed into CT Department of Transportation (DOT) work trucks 141 times. Nationally, 792 motorists lost their lives in work zones in 2021.

Due to the need to frequently perform projects within or adjacent to roadways, work zone accident rates directly impact utility workers. Several incidents that occurred in Connecticut within a 31-day period this year detail just how dangerous working near traffic can be, including the following:

- There was national coverage of the tragic incident in Southington on May 30, when State Trooper Aaron Pelletier was struck and killed by a driver while talking to a motorist during a traffic stop. The driver fled the scene, but Connecticut Police located the driver several towns away and charged that driver with operating under the influence among a litany of other charges.
- Even with advanced signage, defined traffic patterns, two police cruisers, and certified traffic flaggers, a speeding motorist narrowly missed Connecticut Water Company crews in a work zone during a Middlebury night-work project on June 11. Police subsequently pulled over the driver, who was deemed to be under the influence.
- On June 12 in Hartford, construction crews were performing utility work when a speeding driver crashed into their work zone, killing one worker instantly and injuring another.
- On June 27 on Interstate 95 in Greenwich, a tractor trailer struck a fire engine responding to a prior crash, pushing it about 100 feet. The Greenwich Fire Department had to cut the firetruck driver out of their own firetruck with hydraulic tools. At least three people were injured.
- The next day a CTDOT worker was struck and killed by a driver who was also later charged with operating under the influence.

The above incidents were beyond the control of all the affected workers and first responders. These workers, all with families and loved ones, did not deserve injury or death while serving their communities. Nevertheless, with several fatalities already this year, work zone crash statistics are showing an alarming trend requiring all of us to reconsider our safety protocols to protect utility workers exposed to the dangers of roadside work.

***"Working in road construction my whole life, I guess I take for granted that I will always go home to my family every night, this is an unfortunate reminder that is not always the case,"* stated Ron Cipriano, Connecticut Water Company's onsite project coordinator for the Middlebury project.**

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> **Do not assume motorists know what is expected of them. Moreover, if you are the one giving motorists directions, make eye contact if possible and ensure a safe path of escape for yourself.**

So, what can be done to bolster the awareness of motorists approaching construction sites and protect utility workers? Imagine yourself approaching a work zone, day or night, and consider these critical questions about your work area:

- Is there sufficient warning of the construction ahead?
- Is there clear direction given to the approaching motorist?
- Is vision impaired by oncoming headlights or emergency lighting?
- Can you spot a worker standing between headlights?
- Do flashing lights give enough warning?

Job-site lighting and work zone set-up are crucial components to safety. A construction zone can be confusing to motorists, and especially to inexperienced drivers, impaired drivers or those not familiar with the area. The Manual on Uniform Traffic Control Devices (MUTCD) guidebook is the premier reference for establishing and maintaining traffic patterns. Follow the MUTCD guidance for your specific work site. Do not assume motorists know what is expected of them. Moreover, if you are the one giving motorists directions, make eye contact if possible and ensure a safe path of escape for yourself.

When work zones are known in advance, discussions with local first responders and public works personnel can help you understand if your work zone is located in an area with additional risk for accidents. This can help you plan for other preventative measures, including:

- Protection barriers or shadow vehicles with Truck Mounted Attenuators (TMAs).
- Physical barriers are an excellent way to prevent errant vehicles crossing into a work zone.
- Evaluate detouring traffic around your site.
- Embrace technology to notify motorists before they even begin their trip, such as by publishing construction schedules in advance. Consider using traffic aid apps like WAZE for bolstering driver awareness by entering a "construction" icon on your own WAZE app such that the notification appears for other motorists.

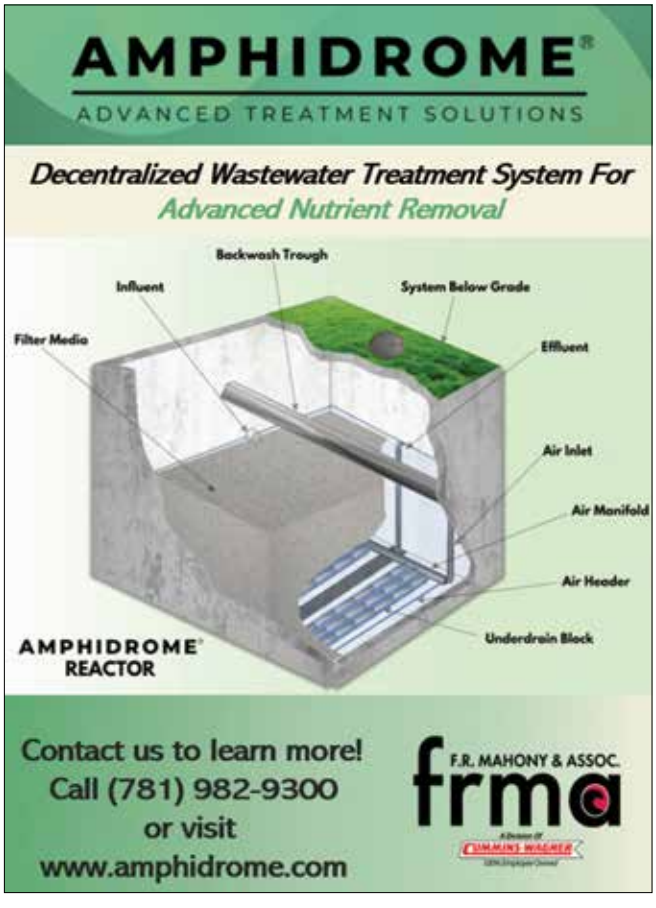
When in the work zone, ensure your traffic safety vest is rated for the speed zone you are working in and properly worn. Think of your traffic vest as a life jacket – if not worn properly it won't work properly. You are increasing the risk of not being seen. Also, when it gets dirty and dull, replace it. You want to be seen!

At fire scenes, the Fire Department has Safety Officers who are responsible for a 360-degree situation reconnaissance who continuously scan the area for potential hazards and changing conditions. In a work zone, there may be a similar safety officer but ultimately everyone is a Safety Officer and must act in this manner in a work zone. Every person has an obligation to call out and stop any potential hazards. Keep your head on a swivel – this is the key to heightened awareness in work zones.

Enacting all available work zone safety measures does not guarantee an accident-free job. Yet it certainly helps in prevention and protection. Take time to plan and consider what can go wrong.

Let us pause and honor those who lost their lives in service to their communities. Be careful, be safe and please, go home tonight.

Mike Witek is the Safety Committee Chair for the Connecticut Section of the American Water Works Association.



Public Utility Workforce Development Programs at

CT STATE COMMUNITY COLLEGE

GATEWAY CAMPUS

Recognizing the significant shortage of trained candidates to fill the many existing and future vacancies at Connecticut's drinking water, wastewater, and energy utilities, CT State Community College – Gateway Campus (CT State – Gateway) works diligently to help develop a qualified workforce to fill that shortage. To ensure the training meets industry needs, the College continuously collaborates with individual water and energy utilities and industry associations such as the Connecticut Section of the American Water Works Association, the Connecticut Water Works Association, the Connecticut Water Environment Association, the New England Water Environment Association, and the Connecticut Power and Energy Society. CT State – Gateway also interfaces with the Connecticut Department of Public Health (DPH) and the Connecticut Department of Energy and Environmental Protection (DEEP).

Programs are available both for workers interested in embarking on a public utility career as well as for incumbent public utility workers who would like to advance their careers. Two of the most recent of CT State – Gateway's utility workforce development programs are the Associate in Science degree in Public Utility Management and the Public Utility Management Certificate, both of which are the only ones of their kind in the nation.

The AS degree in Public Utility Management provides the background needed for a number of public utility careers including operations, finance, accounting, human resources, customer service, and management. The degree consists of general education courses, general business courses, and five program-specific courses:

- Public Utility Management
- Rates and Revenues
- Asset and Infrastructure Management
- Customer Relations, and
- Environmental and Energy Law and Regulations.

All the courses in the AS degree in Public Utility Management transfer seamlessly toward the BS Public Utility Management degree program at Southern Connecticut State University.

In addition to the AS degree in Public Utility Management, CT State – Gateway received approval in March 2024 for a Public Utility Management Certificate Program, which includes the five program-specific courses above. This certificate provides a pathway for professionals in other industries to transition their current career into working for a public utility as well as for incumbent utility workers to advance their careers.

CT State – Gateway also offers training in drinking water treatment and distribution operations through the Water Management Certificate Program. This program provides the preparation and credentials needed to take the Class IV Water Treatment and Class III Water Distribution Operator Certification Examinations offered by the Connecticut DPH. It includes the following courses:

- Introduction to Utility Management
- Environmental and Energy Law and Regulations
- Water Treatment and Distribution
- Special Topics in Water Treatment
- Special Topics in Water Distribution

Additionally, CT State – Gateway offers Continuing Education Unit-based courses in wastewater collection and treatment, providing the credentials needed to take Wastewater Operator Certification Examinations offered by the Connecticut DEEP. These courses are based upon educational materials developed by the California State University at Sacramento - Office of Water Programs. The Continuing Education Units awarded are from CSU at Sacramento and are readily accepted by the Connecticut DEEP towards meeting certification requirements.

To ensure easy access to these career enhancing programs, all courses are offered remotely with scheduled days and times for classes to meet with a professor. Multiple options for financial assistance are also available at CT State – Gateway including, but not limited to: the Pledge to Advance Connecticut Program (aka Free Tuition at Connecticut State Community College), scholarships from the CT State – Gateway Foundation, scholarships from Connecticut public utilities, and scholarships from Connecticut public utility associations. Additionally, many public utilities offer tuition reimbursement opportunities to their employees.

Questions can be directed to Professor Wesley L. Winterbottom, PE, Program Coordinator of the Public Utility Management Programs at CT State – Gateway by emailing *wesley.winterbottom@ctstate.edu.*

CTAWWA Baseball Night at the Yard Goats Game

On May 16, the sun broke through the stormy weather just in time for attendees to gather for the CTAWWA Baseball Night. Convening at the Yard Goats Stadium, 100 friends of the CTAWWA met to enjoy the game and delicious BBQ dinner, reconnect with friends, and make new connections.

Shout out to the Young Professionals Committee organizing another sold-out event. We appreciate the committee's hard work, and the support from the sponsors of the event.









Connecticut Source Water Collaborative

The Connecticut Department of Public Health (DPH) recently held a Connecticut Source Water Collaborative meeting which was hosted by Aquarion Water Company at their Easton Lake Reservoir Facilities.

In her opening remarks, DPH Commissioner Manisha Juthani emphasized the importance of each Collaborative participant's role in coordinating and implementing statewide source water protection initiatives to protect the health and safety of Connecticut residents.

The meeting gave participants the opportunity to exchange ideas about how to incorporate source water protection into local land use planning and decision-making, including:

- Proactive vs. reactive approaches to source water protection.
- Targeted land conservation and municipal decision-making.
- Aligning municipal and state plans of conservation and development (POCDs).
- The importance of riparian buffers in source water protection and land use planning.
- Regulatory tools and challenges in water supply areas.
- Coordination between municipalities, Regional Councils of Government, and State agencies.

Participants included representatives from water companies, environmental organizations, regional councils of government, municipalities, and state agency officials. More information on the Connecticut Source Water Collaborative can be found on the DPH website at: *https://portal.ct.gov/dph/drinking-water/dws/connecticut–source-water-collaborative.*







CT Department of Public Health Water System Operator Certification Courses, Public Utility Management AS Degree, and Certificate Courses

Fall 2024

Course	Name	Location	Day	Time	Credits
BMGT 2421	Customer Relations	Online with Webex (Live, Interactive Streaming Video)	Wednesday	5:30 pm-8:00 pm	3
ENV 1120	Environmental and Energy Laws and Regulations HYBRID	Online with Webex (Live, Interactive Streaming Video)	Monday	5:30 pm-6:45 pm	3
WMTR 1001	Water Treatment and Distribution	Online with Webex (Live, Interactive Streaming Video)	Tuesday, Thursday	5:30 pm-8:10 pm	6

The Fall 2024 Semester starts on August 28, 2024, and ends on December 16, 2024.

All courses can also be used to meet CT DPH Continuing Education CEU requirements for already licensed water treatment and distribution system operators.

New students can receive admissions and registration materials by contacting the Admissions Office at *admissions@gwcc.commnet.edu.* Continuing students, already admitted to the college, can receive registration materials by contacting the Registrar's Office at *gw-recordsstaff@gwcc.commnet.edu.* Continuing students may also register on-line at *www.gatewayct.edu.*

Please contact Professor Wesley L. Winterbottom, PE, at *wesley.winterbottom@ctstate.edu* with questions about these courses or the Water Management Certificate Program and the Public Utility Management AS Degree and Certificate Programs.

Welcome New Members

Larry Bee
Christopher Gasior
Danielle Morrison, Fairfield WPCF
Taylor Perrotta, Connecticut Water Company
Nicoletta Blevins, RWA
Edward Crowder, RWA
Kevin Curseaden, RWA
Elizabeth Doerfler, Wright-Pierce
Sherwin Gormly, RWA
Corey Hedges, Weston & Sampson
Wayne Jansen
Eric Kilbourn, Water Systems Specialties
Catherine Lamarr, RWA
Juston Manville, Groton Utilities
Michelle Murphy
Al Rebeiro, Student
Eric Sokol, Burns & McDonnell
Sam Worobel, Hazen & Sawyer



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