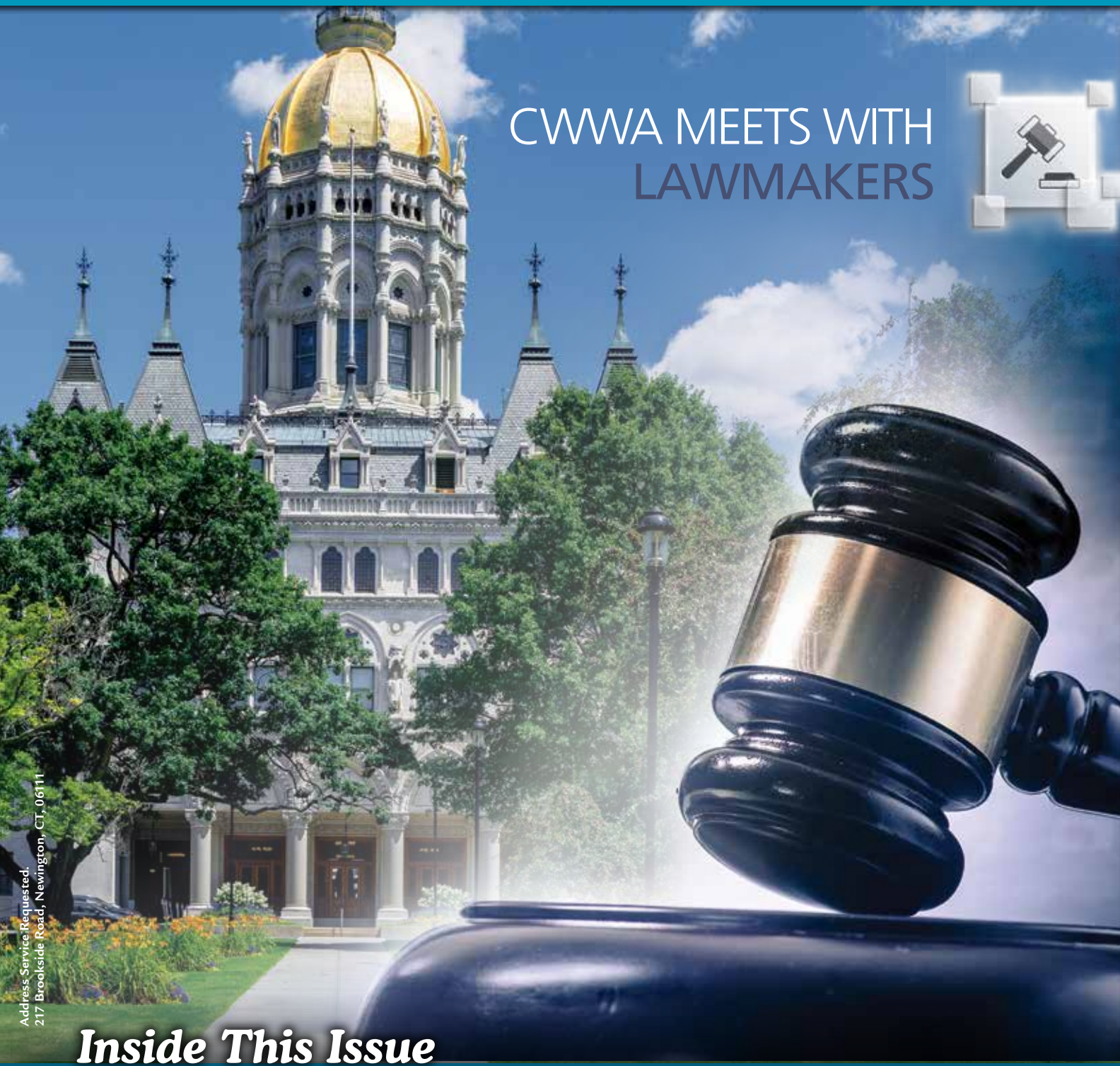
# In*Flow*-Line

The Magazine of the CT Section American Water Works and the Connecticut Water Works Associations Summer 2021



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## *Inside This Issue*

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# InFlow-Line

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InFlow-Line

Volume 16 – Number 2

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**Dan Lawrence**



# A Stronger Voice

**It is hard to believe the time that has passed since the start of the pandemic in 2020.** I want to thank all of you for your service during these tough times. I am looking forward to serving as CWWA's President for 2021 and 2022 and want to thank David Banker for serving in the role of as President in 2020 and 2021, as well as the entire board.

The water industry is facing many challenges this year, including changes to the Lead and Copper Rule, PFAS, and water infrastructure needs. Active participation in CWWA and CTAWWA will provide you with the opportunity to discuss these challenges with your colleagues, share information and resources, and attend workshops on a wide range of compliance issues.

CWWA, as the organization that represents the water industry at the state Capitol and on state regulatory issues, strives to shape laws and regulations to ensure that public water suppliers can continue to provide safe, high quality drinking water to customers at a reasonable cost. We rely on our members to provide input on proposed laws and regulations and how they may impact operations.

In addition, CWWA issues legislative alerts to encourage members to communicate with their legislative delegations about how proposed legislation may impact the availability, quality, delivery and cost of public water supplies.

When a lawmaker hears from someone in the industry or someone in their district with expertise on a particular matter, they pay attention. Given the complexity of the water industry and how legislation may affect the availability, delivery, and cost of public water supplies, it is more important than ever that we make sure our members are communicating with lawmakers on a regular basis. Working together, we have been successful in being a strong voice on issues affecting public water supplies.

CWWA also benefits from the support of its Associate Members. For $375 per year, CWWA Associate Members receive the following benefits:



- Opportunity to showcase your firm's products and services in CWWA's electronic newsletter.
- Invitation to join CWWA's Legislative Committee to work with member water utilities and Associate Members to discuss and shape legislation and regulations.
- Timely updates on new laws and regulations affecting the water industry.
- Company logo featured on signage and publications distributed at the CWWA/CTAWWA Fall Conference and CWWA workshops.
- Company logo and website link featured on CWWA's website.
- Recognition from the podium at the CWWA/CTAWWA Fall Conference and other events.
- Discounted registration fees for CWWA conferences and workshops.

All CWWA members are welcome to participate in CWWA's Legislative Committee, which meets on a monthly basis from January to June. Participating on the Legislative Committee is a great way to get to know the people in the industry, discuss issues and concerns facing your company, and share compliance tips – as well as a lot of laughs. Please contact CWWA's Executive Director Betsy Gara at *gara@gmlobbying.com* or 860-841-7350 to join.

I want to encourage everyone to get involved with CWWA, as we have a stronger voice as a group then anyone one of us can have individually. Looking forward to working with each of you in the upcoming year.

Tighe&Bond

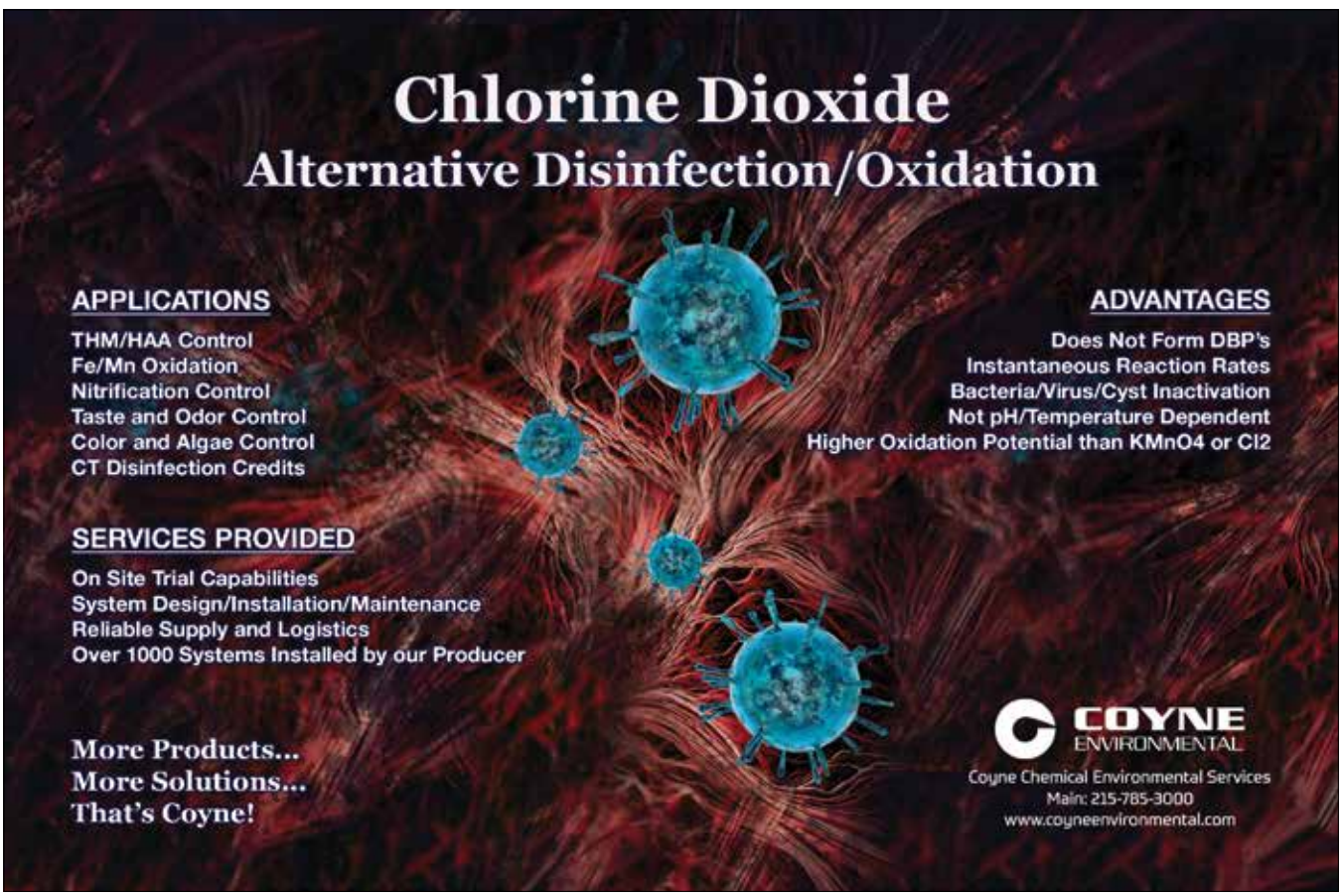
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**Chi Ho Sham**



# Collaboration, Creativity, and Celebration



**Growing up and living in Hong Kong, then a British Colony at the mouth of the Pearl River, I lived through daily boil water 'orders' issued unilaterally by my mom, severe water shortage with tap water delivered for four hours every four days, and multiple waterborne disease scares such as typhoid fever, cholera, and Hepatitis A.** My early experience with drinking water challenges most certainly had something to do with making me a 'water nerd.'

I moved from Hong Kong to Canada and then to the US to pursue my education. Following a few twists and turns in my life's journey, I ended up settling in Boston for my career and to raise a wonderful family. Luckily, I did not grow up with baseball, hockey, and football, so I don't have to compare notes with other AWWA sport fans when various sporting seasons are on. It has spared me from discussing sporting events and scandals multiple times.

I got a lot out of my education in North America – I was able to broaden my view and become more holistic. I studied planning, earth science, social science, and even art history (which came in handy at a few cocktail parties). Along the way, I picked up many skillsets and ended up becoming a hydrologist who uses statistical modeling, geospatial analysis, and system theory.

I took a couple of civil engineering courses while working on my doctoral program at the University at Buffalo and ended up combining what I learned on rainfall-runoff relationship with drainage basin geomorphic properties to analyze the water supply conditions in Hong Kong.

I began my professional career as a faculty member at Boston University in 1982.

After spending 10 years there, I switched to consulting work under the *Safe Drinking Water Act* and *Clean Water Act*.

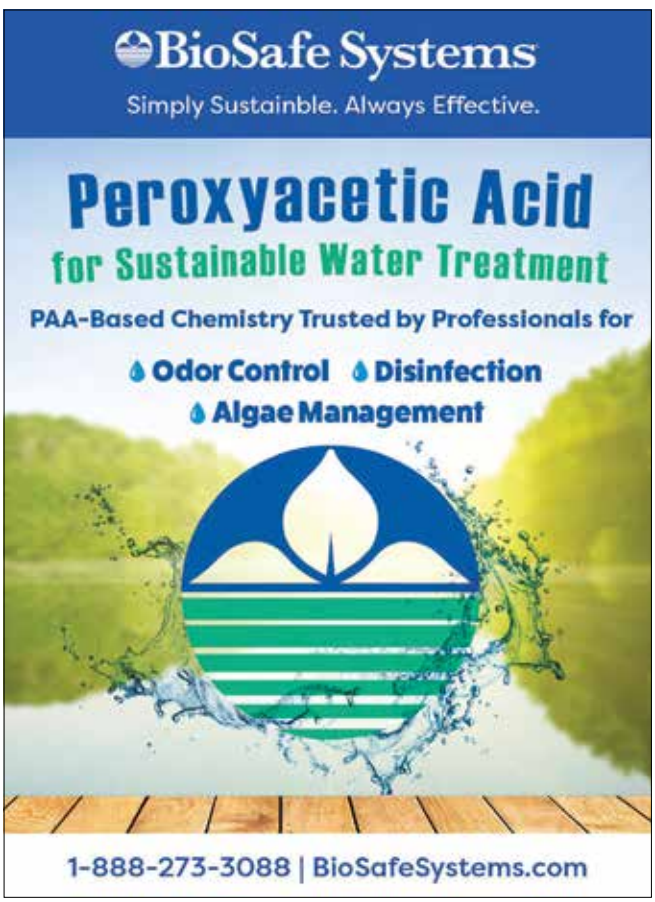
In my capacity as a scientist, I work with water utilities, governmental agencies, research organizations, advocacy groups, engineering firms, laboratories, manufacturers, and international institutions on a wide range of water related issues. Through these efforts, I have learned about the different points of view, expertise, skillsets, and cultures across different entities, and how to find common ground to work together to solve difficult problems.

In addition to being a scientist, I am an educator at heart. I enjoy leading workshops, giving seminars, working as an adjunct professor, and interacting with students and young professionals. From 2018 to 2021, I have been a member of our very own Young Professionals (YPs) committee. I believe it is vital to attract, educate, and empower future generations of water professionals to keep our industry vibrant.

*"The two-way exchange of ideas between Sections and the Association allows all of us to work together and develop optimal solutions to address difficult and complex problems."*

My journey with AWWA has been a long and fruitful one. It started in 1989 when I joined the New England Water Works Association, a Section of AWWA (NEWWA). I am a big fan of Sections. Because of the vastness of North America and the local nature of water, Sections are in the best position to understand their unique challenges and viable solutions to overcome these challenges. The two-way exchange of ideas between Sections and the Association allows all of us to work together and develop optimal solutions to address difficult and complex problems.

After serving as a volunteer at NEWWA, I was recruited by the Association's Source Water Protection Committee in 2002. Since then, I have served on many volunteer units under the Technical & Educational Council (TEC) and the Standards Council. As the chair of TEC from 2017 to 2020, I had the pleasure to serve on the Board of Directors and the Executive Committee of AWWA. When I was encouraged to run for the position of President of AWWA, who am I to say 'no' to this amazing opportunity to be able to work with everyone at AWWA to advance our vision to make a better world through better water.




As the President of AWWA, my thoughts have been on all the core principles of AWWA, which have been well thought out by the strategic plan development team led by our Past President, David Rager. To narrow down what I believe I can reasonably accomplish in my tenure as the President of AWWA, I have identified three main themes:

1. Promote strategic collaboration through knowledge creation and sharing both inside and outside of AWWA at the local, regional, and international levels.
2. Advance creative solutions through promotion of innovation to generate solutions to overcome a wide range of problems such as contaminant removal, microbial inactivation, effective utility management, land and water connection, cost saving, and out-of-the-box financing.
3. Celebrate all the great work done by water professionals to protect public health, safeguard our environment, create jobs, advance diversity and inclusion, and making a difference in the world.

To keep it simple for me to remember, I am using three Cs to remind me of these three primary themes: Collaboration, Creativity, and Celebration.

I know I cannot get all this work done on my own, so I am getting help from the best people in the world – the amazing volunteers at AWWA. I have started a couple of initiatives on collaboration, innovation, and celebration.

In June and July, we partnered with the US Army Corps of Engineers, Aquatic Plant Management Society, and North American Lake Management Society in developing and executing a collaborative webinar series on Harmful Algal Blooms and Drinking Water (see *https://corpslakes.erdc.dren.mil/employees/invasive/exchange.cfm?option=archivesc hedule&cop=invasive*).

In July, AWWA supported the American Water Resources Association's Virtual Summer Conference on Connecting Land and Water for Healthy Community. I was honored to be one of the members of the Closing Panel Session to speak about the importance of the land and water connection of water supply protection.

There will be more to come and I would hope that I will get your support on some of them in the near future. By the way, please do not hesitate to contact me if you would like to share ideas, just want to chat, or help me with my three Cs. You can get my contact information from Ashley Bruchis (*abruchis@awwa.org*). You can also find me on LinkedIn (*www.linkedin.com/in/chi-ho-sham-9702b1a*). I am sincerely looking forward to seeing you at various conferences in the near future. Hope to see you in San Antonio in June 2022.



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# LOW INCOME HOUSEHOLD WATER ASSISTANCE PROGRAM
## COMING TO CONNECTICUT

The Low Income Household Water Assistance Program is especially intended to help households with the lowest incomes or that pay a high proportion of household income for drinking water and/or wastewater services.

The Department of Social Services (DSS) has been awarded funds from the federal Department of Health and Human Services to administer the first Low Income Household Water Assistance Program. This new federal program will provide funds to assist low-income households with water and wastewater bills.

The Low Income Household Water Assistance Program is especially intended to help households with the lowest incomes or that pay a high proportion of household income for drinking water and/or wastewater services. Priorities include restoration of household water services to disconnected households, reduction of arrearages, and prevention of service disconnection.

Design of the program has begun at DSS. Through our Division of Program Oversight & Grant Administration, DSS has been soliciting recommendations and input from stakeholders, including Community Action Agencies, water supplier and wastewater service providers. DSS has solicited input at the June 2021 Low Income Energy Advisory Board meeting and via direct email and letter to the Connecticut Association for Community Action, the Connecticut Water Works Association, and various other organizations, both internal and external to state government.

Current expectations are that payments on behalf of qualified households will be made directly to eligible water and sewer companies following a model similar to the Low-Income Household Energy Assistance Program (LIHEAP), known in our state as the Connecticut Energy Assistance Program).

Grants to operate the Low Income Household Water Assistance Program are available to states like Connecticut that received fiscal year 2021 LIHEAP grants.

More information can be found at *www.acf.hhs.gov/ocs/programs/lihwap*.

Updates regarding the program will be posted at *www.portal.ct.gov/dss/highlights/low-income-household-water-assistance-program-coming-to-ct*.

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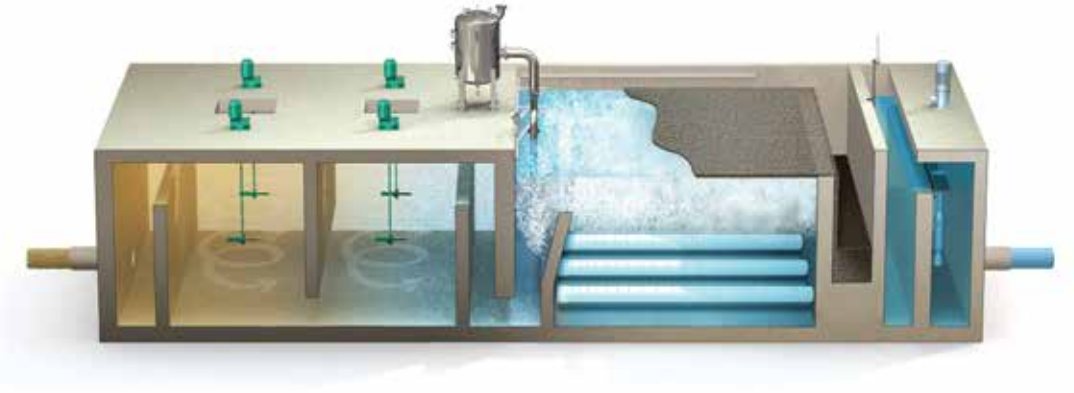
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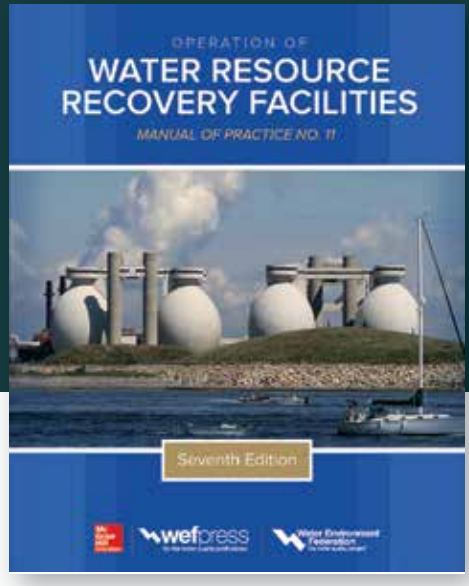
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# GOVERNOR LAMONT SIGNS CYBERSECURITY and Data Breach Bills

The Connecticut General Assembly adopted two bills this session to address cybersecurity and data privacy issues, which were signed into law by Governor Ned Lamont.

*Public Act 21-119*, effective October 1, incentivizes businesses to adopt and adhere to cybersecurity standards by shielding companies that have adopted and complied with cybersecurity programs from punitive damages in the event that personal or restricted information is compromised. To qualify for this protection, cybersecurity programs must:

- meet specified design requirements; and
- conform to an industry-recognized cybersecurity framework.

However, the protection does not apply if the covered entity's failure to implement reasonable cybersecurity controls resulted from gross negligence or willful or wanton conduct.

Governor Lamont also announced an $11 million investment to support Connecticut's enhanced cybersecurity efforts, including an initial $8.2 million which was recently allocated by the State Bond Commission.

**"Cybersecurity has become a very real concern for water and wastewater utilities in the US. It is imperative for facilities to take action to verify their systems are secure before becoming a victim of cyberattacks."**

"Bills like this one meet two important goals – ensuring that our state is operating in the most business friendly ways, and also improving the security of consumers' data," said Governor Lamont. "Further, the state's investments in cybersecurity and the hiring of our first



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Chief Information Security Officer will help the state improve its cybersecurity posture, which will improve the resilience of state services and protect our residents and businesses."

Governor Lamont recently appointed Jeff Brown as Connecticut's first Chief Information Security Officer.

"Across the globe, cybersecurity risks continue to rise," Brown said. "Connecticut is investing in cybersecurity and technology in new ways to protect our residents and businesses. We are bringing our statewide information technology team together into one, collaborative organization that will help us identify and deter cybersecurity incidents faster, bring everyone onto streamlined platforms, and ultimately protect more private information."

## DATA PRIVACY BREACHES

*Public Act 21-59*, effective October 1, expands the definition of what constitutes 'personal information' protected in the event of a data privacy breach. It also extends the data breach notification requirements to include anyone who owns, licenses, or maintains computerized data that includes personal information, rather than just those who do so in the ordinary course of doing business in the state. Under existing law, data managers are required to disclose a security breach without unreasonable delay to state residents whose personal information has been, or is reasonably believed to have been, accessed by an unauthorized person. The Act shortens the timeframe for notification from 90 to 60 days after the security breach was discovered. It also narrows the circumstances under which those who own or license computerized data with breached information must offer residents appropriate identity theft prevention or mitigation services.

## CYBERSECURITY RESOURCES

Cybersecurity has become a very real concern for water and wastewater utilities in the US. It is imperative for facilities to take action to verify their systems are secure before becoming a victim of cyberattacks.

## NEXT STEPS

DEEP encourages water and wastewater utilities to review the above material, review your emergency action plans to ensure you have covered cybersecurity incidents (including your management and IT department), and have an assessment performed.

### WHAT ARE CYBERATTACKS?

Cyberattacks can take several forms – ransomware to extort money from an organization, disgruntled employee trying to cause harm, or threats from foreign or domestic extremist groups looking to disrupt America's infrastructure.

Cyberattacks on water and wastewater infrastructure can cause significant harm, such as interrupting treatment processes by accessing the system remotely to open and close valves, overriding alarms, disabling pumps or other equipment, or overriding SCADA systems. Customers' personal or credit card data can be stolen from the utility's billing system. Criminals often demand millions of dollars of ransom to unlock the data or restore functionality to the system.

### HOW DO I PREPARE FOR, RESPOND TO, AND RECOVER FROM A CYBER INCIDENT?

The US Cybersecurity and Infrastructure Security Agency (CISA) has partnered with the US Environmental Protection Agency (EPA) to develop guidance and resources focused on Cybersecurity Best Practices for the Water Sector.

The website *www.epa.gov/waterriskassessment/epa-cybersecurity-best-practices-water-sector* offers technical assistance, incident action checklists, training and response exercises, and many other valuable resources for the water/wastewater sector.

The American Water Works Association (AWWA) has developed a Water Sector Cybersecurity Risk Management Guidance and Cybersecurity Tool which can be found at *www.awwa.org/resources-tools/resource-topics/risk-resilience/cybersecurity-guidance.*

EPA is offering free, confidential, onsite assessments and technical assistance to interested drinking water and wastewater utilities on how to prepare for, respond to, and recover from a cyber incident. The onsite assessment and assistance include development of a cyber action plan to guide the implementation of best practices. To register for this service, go to *www.horsleywitten.com/cybersecurityutilities.*





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# CWWA MEETS WITH LAWMAKERS

Despite a legislative session that was held with the doors closed to the public due to COVID-19, CWWA met with lawmakers and testified at public hearings via Zoom on many bills affecting the water industry. We also relied on members to reach out to their legislative delegations on key issues, which was critical addressing concerns with bills and how they may impact the delivery of safe, reliable public water supplies.

In a huge victory for water companies and their customers, legislation that would have made the Safe Drinking Water Primacy fee permanent – regardless of whether the fee was needed to maintain the Department of Public Health's primacy over drinking water – was defeated. The fee sunsetted on June 30, 2021, saving water customers more than $2 million per year.

In addition, CWWA was successful in defeating a bill that would have undermined the ability of water companies to fund fire suppression systems by changing how fire service charges are calculated and requiring local approval of fire service lines and hydrants. Our members input on how the bill would impact their communities was instrumental to defeating the bill.

The legislature did adopt *Public Act 21-121*, which includes several measures that water companies will need to comply with effective October 1, 2021.

Alternative Sources during **Water Supply Emergency – Section 82** of the Act requires water companies and small community water systems to update their emergency contingency plans and emergency response plans, respectively, to include information on providing consumers with an alternative drinking water source as a temporary measure when there is a water supply emergency. Under the bill, a 'water supply emergency' is an event lasting longer than 12 hours that causes a company's water supply to become non-compliant with DPH regulations on drinking water quality or quantity.

**WebEOC Reporting – Section 84** of the Act requires community water systems that serve at least 25 residents to promptly report their operational status to WebEOC after the governor declares a civil preparedness or public health emergency. They must do so within eight hours after WebEOC reporting is made available regarding the declared emergency, and any time thereafter that the community water system's status significantly changes.

**Tier 1 Notices – Section 83** of the Act requires water companies to provide Tier 1 Notices to customers in the languages predominantly spoken in their service area and update their emergency response plans that they submit to DPH under existing law to include information on the provision of these multilingual communications.

Note that this is consistent with EPA's Public Notification Rule, which requires water companies that have a large proportion of non-English speaking consumers to include information in the appropriate language(s) regarding the importance of the notice or a telephone number or address where consumers may contact to obtain a translated copy of the notice or assistance in the appropriate language.

**Replacement Wells – Sections 1 and 2** of the Act provides DPH with greater flexibility to approve a replacement well if the well is:

1. needed by the water company to maintain and provide safe and adequate water to customers;
2. located in an aquifer of adequate water quality, as determined by historical water quality data from the supply source it is replacing; and
3. in a more protected location than the supply source it is replacing, as determined by DPH.



"Our members' input on how the bill would impact their communities was instrumental to defeating the bill."

**Notification of Projects in Watersheds and Aquifer Protection Areas – Sections 3 and 4** of the Act broaden the circumstances under which applicants must notify water companies and DPH about certain projects in watersheds and aquifer protection areas and requires the applicants to notify DPH by email.

**Environmental Laboratories – Section 88** of the Act requires environmental laboratories to notify small community water systems of test results that violate EPA national primary drinking water standards within 24 hours and requires such systems to notify DPH within 24 hours of receiving the test result.

**Notification to Tenants and Lessees – Section 7** of the Act requires commercial and residential property owners to notify tenants and lessees whenever a property's water supply is tested and exceeds any maximum contaminant level in state regulation or DPH's state drinking water action level list.

**Small System Capacity Implementation Plan – Section 85** of the Act requires small community water systems (i.e. those regularly serving between 25 and 1,000 year-round residents) to develop and complete a 'capacity implementation plan' that demonstrates that the owner has the managerial, technical, and financial capacity to continue to own and operate the system. The plan must be updated annually and made available to DPH upon request.

CWWA and the Department of Public Health will be working together to provide water companies with guidance in complying with these provisions.

## Laws affecting Municipal Water Bills

Recognizing the devastating impact that COVID-19 has had on the economy, the legislature considered a number of measures to assist residents and businesses, including assistance in paying their municipal water and sewer bills.





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**Everett J. Prescott, 1955**

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**SOLUTIONS**


In addition, lawmakers introduced proposals to address concerns that some municipalities were foreclosing on liens for unpaid water and sewer bills. In response, lawmakers adopted the following measures:

## Emergency Lien Assistance Program

*Public Act 21-44* establishes an emergency lien assistance program within the Connecticut Housing Finance Authority's existing Emergency Mortgage Assistance Program. The new program will provide loans to homeowners who are facing foreclosure due to liens from municipal water or sewer charges, municipal tax debt, or condominium or common interest association assessments and fines.

## Municipal Lien Assignment Requirements

The legislature adopted *Public Act 21-143*, which imposes new restrictions on entities that acquire the right to enforce real property liens securing delinquent tax, sewer, and water charges (i.e., lien assignees). These provisions include requiring assignees to provide a payoff statement in the same way as mortgagees in a foreclosure situation. The new law also makes any lien assignment executed on or after July 1, 2022, unenforceable unless it is memorialized in a written contract between the assignee and the municipality or water pollution control, water, or sewer authority.

## Payment Deferral/Low Interest Rates

*Public Act 21-73* authorizes municipalities and taxing districts to provide taxpayers, including municipal water and sewer customers, with a 90-day payment deferral and a reduced interest rate of 12% on delinquent payments. The municipality's legislative body, or taxing district's board of directors, must approve the programs each year. Under the bill, municipalities and taxing districts may establish programs:

1. allowing taxpayers to defer payments for 90 days from the date they are due; or
2. lowering the interest rate (generally from 1.5% to 0.25% per month) on late payments for 90 days from the date they become due.

Under both programs the relief may apply to property taxes or municipal water, sewer, or electric rates, charges, or assessments. For property taxes or municipal utility charges that are billed in installments, the bill presumably provides the relief for each installment.

# 2021-22 CWWA BOARD OF DIRECTORS

CWWA is pleased to announce its officers and directors for 2021-22, who were formally installed at the annual meeting on June 22, held via Zoom.

Connecticut Water Works Association
Working for Quality Water

| DIRECTORS AND OFFICERS | | | |
|---|---|---|---|
| **Name** | **Organization** | **Position** | **Type** |
| Dan Lawrence | Aquarion Water Company | President | Private |
| Craig Patla | Connecticut Water Company | Vice President | Private |
| David Banker | Metropolitan District | Past President | Regional |
| Brendan Avery | Hazardville Water Co. | Treasurer | Private |
| Rose Gavrilovic | Connecticut Water Company | Secretary | Private |
| Ray Jarema | Town of Berlin | Director 1 | Municipal |
| Ray Baral | Metropolitan District | Director 2 | Regional |
| Rick Stevens | Groton Utilities | Director 2 | Municipal |
| Al Fiorillo | Southington Water | Director 3 | Municipal |
| Peter Fazekas | Aquarion Water Company | Director 3 | Private |
| John Hudak | Regional Water Authority | At-Large Director | Regional |

| LEGISLATIVE COMMITTEE OFFICERS | | | |
|---|---|---|---|
| **Name** | **Organization** | **Position** | **Type** |
| Pat Kearney | Manchester | Tri-Chair | Municipal |
| Lori Vitagliano | Regional Water Authority | Tri-Chair | Regional |
| Maureen Westbrook | Connecticut Water Co. | Tri-Chair | Private |




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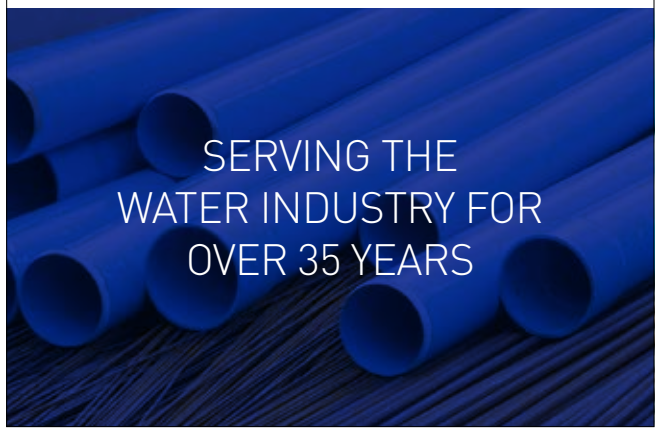



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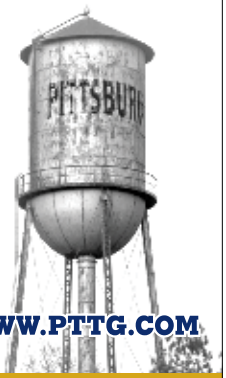
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# CWWA Legislative Update

## Legislature Adopts Measures to Address PFAS

Connecticut's Interagency PFAS Task Force recommended a number of steps to address the potential harmful effects of PFAS, including reducing sources of PFAS in the environment, remediating areas, such as landfills, that are known or likely to contain PFAS, and testing public water supplies. Efforts to adopt legislation to implement the task force's recommendations were halted in 2020 when the legislature abruptly closed due to the COVID-19 pandemic.

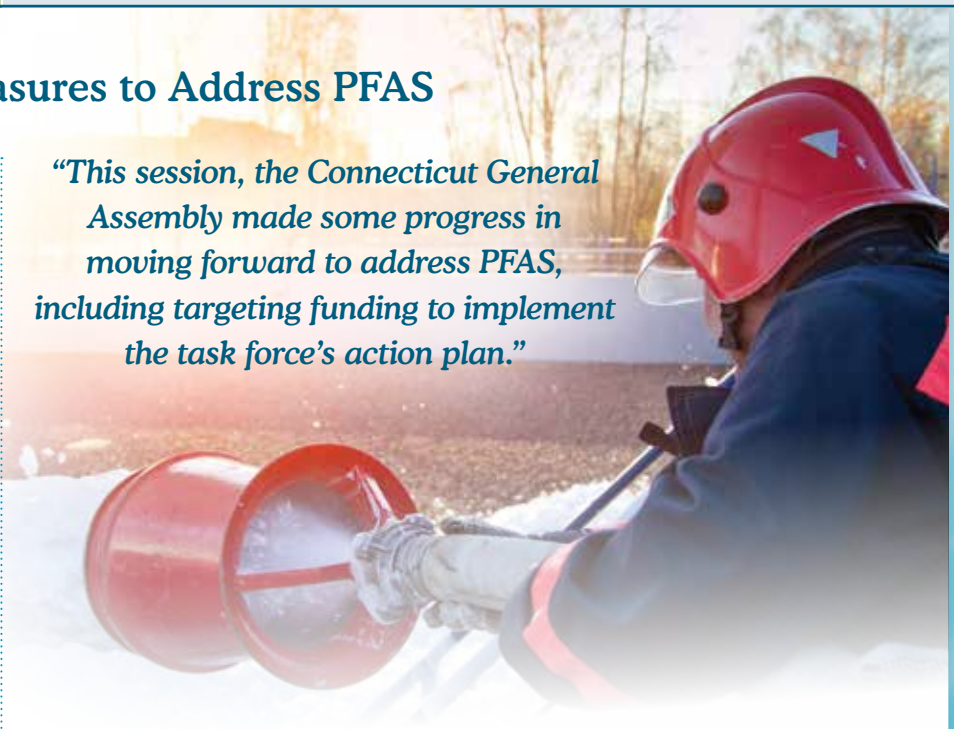
This session, the Connecticut General Assembly made some progress in moving forward to address PFAS, including targeting funding to implement the task force's action plan. The budget includes:

- $408,000 in FY 22 and $420,000 in FY 23 for the Department of Public Health to hire one Toxicologist, one Laboratory Consultant, one Chemist, and one Environmental Analyst to assist with updating standards and action levels for drinking water, review laboratories to become approved for PFAS testing, implement PFAS testing of drinking water at the State's public health laboratory, support testing of public water systems, and educate stakeholders to protect the public health from the impacts of PFAS in drinking water.
- $110,548 in FY 22 and $114,800 in FY 23 to support one Engineer Intern to enhance the State's response to drinking water issues in schools undergoing construction projects, and one Environmental Analyst to assist the agency in its continued administration of safe drinking water standards for public drinking water.

The bond package includes $1,150,000 in both FY22 and FY23 for grants-in-aid to municipalities for the purpose of providing potable water and for assessment and remedial action to address pollution from PFAS.

In addition, the legislature adopted *Public Act 21-191*, which includes the following measures recommended by the action plan:

*"This session, the Connecticut General Assembly made some progress in moving forward to address PFAS, including targeting funding to implement the task force's action plan."*



### PFAS – Firefighting Foam

To address concerns stemming from an incident involving the accidental release of PFAS-containing firefighting foam into the Farmington River, *Public Act 21-191* generally prohibits any person, local government, or state agency from using class B firefighting foam with intentionally added PFAS in any amount for training purposes or testing purposes. It also prohibits anyone from using this foam for vapor suppression or firefighting purposes unless the fire is flammable liquid-based, and the Department of Energy and Environmental Protection (DEEP) commissioner has not identified an alternative to the foam by July 1, 2021.

The Act also exempts from the ban:

- anyone required by federal law to use it;
- certain facility operators who obtain a limited extension of time for compliance; and
- until October 1, 2023, airport-related entities with systems that prevent its release into the environment.

By October 1, 2021, the Act requires the DEEP commissioner to develop or identify a take-back program for municipally owned class B firefighting foam with PFAS that properly disposes of the foam.

### PFAS in Food Packaging

*Public Act 21-191* also prohibits offering for sale or promotional purposes food packaging with PFAS intentionally introduced during manufacturing or distribution. Under the Act, by December 31, 2023, manufacturers and distributors are prohibited from offering for sale or promotional purposes food packaging or packaging components with intentionally introduced PFAS and from using a material that replaces a chemical in an amount or way that creates an equal or greater hazard than the regulated chemical.

### Water Bottlers

In addition, *Public Act 21-121* requires water bottlers, by January 1, 2022, to annually collect water samples and have them tested for PFAS and other unregulated contaminants to determine compliance with chemical standards established by DPH for public drinking water.

# WHAT'S THE VALUE OF WATER?

Mornings wouldn't be the same without water.

Most of us never think about how water gets to the tap or where it goes after it swirls down the drain. Luckily, we don't have to. Pumps, treatment plants, and pipes bring us clean water.

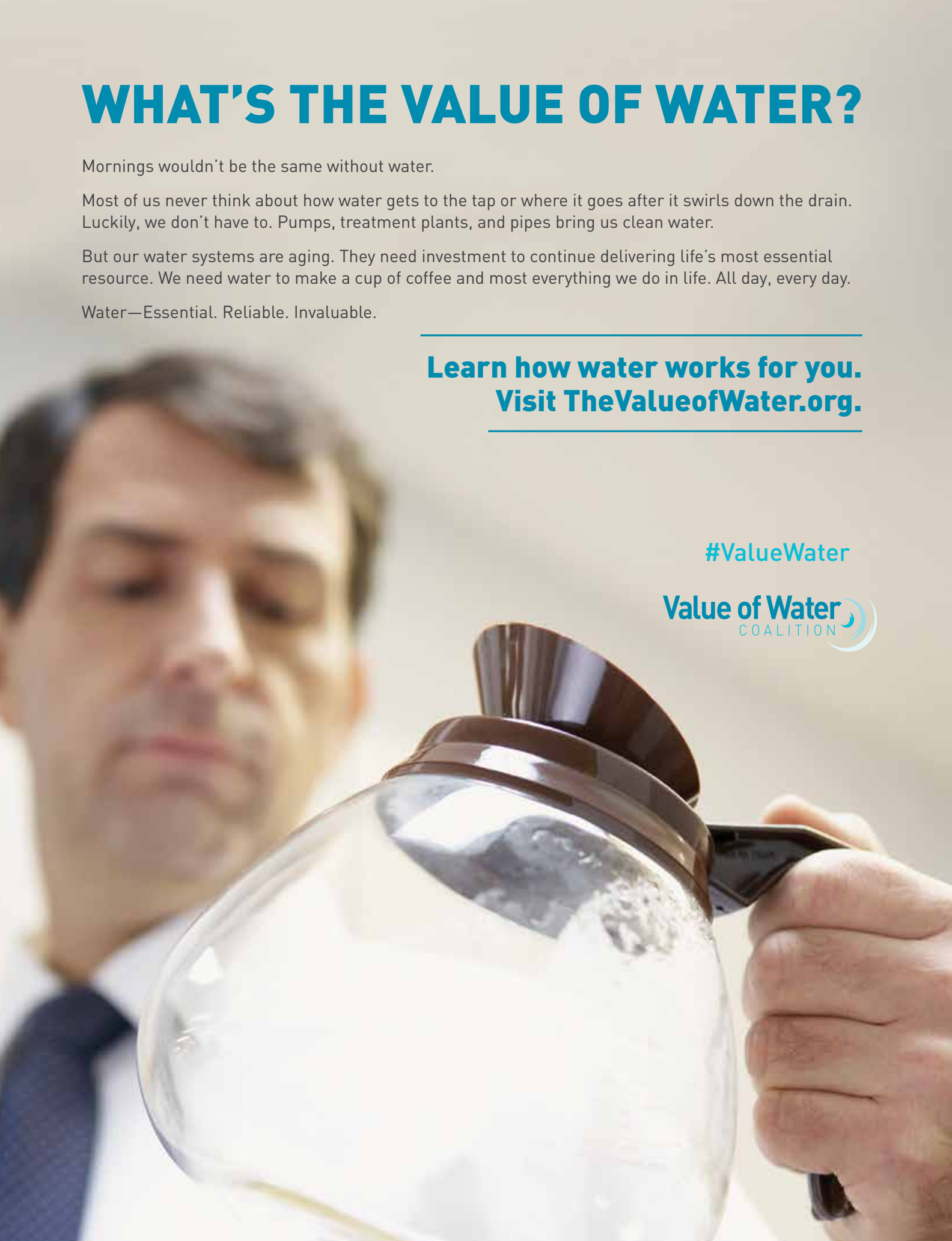
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# Ti-SALES Announces Exclusive Distribution Agreement with Blue-White Industries

Ti-SALES, Inc. recently announced it has secured an exclusive distribution agreement with Blue-White Industries, a leading manufacturer of chemical metering pumps, flow meters, and water treatment accessories. This partnership will allow Ti-SALES to provide its municipal customers with reliable, high-quality products to meet their chemical metering pump needs.

"We are proud to partner with Blue-White to provide our customers with quality solutions for a wide variety of water and wastewater treatment applications," said Marty Mazzella, President & Owner of Ti-SALES. "I'm confident that together, we'll be able to help our customers in their mission of providing safe, clean, high-quality water to every home and business in their service area."

*"Our team takes a lot of pride in manufacturing quality products, and it's a true pleasure to work with a company like Ti-SALES that shares that pride and commitment to quality."*

Ti-SALES will be distributing Blue-White's full municipal product line, the ProSeries-M, throughout all of New England and New York. The ProSeries-M line includes peristaltic pumps, diaphragm pumps, chemical flowmeters, engineered skid systems, and all necessary accessories specifically engineered to meet the needs of municipal water and wastewater utilities.

"Our team takes a lot of pride in manufacturing quality products, and it's a true pleasure to work with a company like Ti-SALES that shares that pride and commitment to quality." said Daisy Hernandez, Regional Manager of Blue-White Industries.

# Bristol Water and Sewer Donates Water Fountains

Thank you to the City of Bristol Water Department for sponsoring new water fountains at the Club! We are thankful to Mayor's Office Bristol CT for their support, and to The Shaffer Company for the installation! The touchless water bottle refill stations will allow our Club members and staff to access fresh water safely, and to drink more of it! Our previous water fountains were disconnected for over a year due to COVID-19 precautions.

In 2020, the water department also donated 20 fountains to the City of Bristol, which were installed in all municipal buildings throughout the City.



Pictured from left to right: Mayor Ellen Zoppo-Sasau, Shaffer Company President David Hrdlicka, Bristol Boys and Girls Club CEO Tamara Bross, Bristol Water and Sewer Department Superintendent Robert Longo, Bristol Water and Sewer Department Commissioners Liz Phelan and Sean Dunn.


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This partnership will allow us to provide our customers with reliable, high-quality chemical metering pumps, flow meters, and water treatment accessories to meet your needs.

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## New Highway Use Fee

Beginning January 1, 2023, *Public Act 21-177* imposes a highway use tax (HUT) on every 'carrier' for the privilege of operating, or causing to be operated, certain heavy, multi-unit motor vehicles on any highway (i.e., public road) in the state. The HUT is calculated based on a vehicle's weight and the number of miles driven in the state. The Act establishes per-mile tax rates that increase based on vehicle gross weight, ranging from 2.5 cents per mile for vehicles weighing 26,000-28,000 pounds to 17.5 cents per mile for vehicles weighing more than 80,000 lbs.

Under the Act, carriers must file returns and remit the tax to the Department of Revenue Services (DRS) on a monthly basis. In addition, carriers will be required to obtain HUT permits from DRS.

The Act is not applicable to carriers owned by the US, the state, or any political subdivisions, but is applicable to private water companies.

CWWA is trying to determine how much this will cost private water companies and their customers. Please provide us with input by contacting CWWA's Executive Director Betsy Gara at *gara@gmlobbying.com* or 860-841-7350.



## CTAWWA Tenure Awards

CTAWWA would like to recognize and congratulate its members on their tenure awards in 2020-2021 and 2021-2022.

**2020-2021**

**Silver Water Drop Award**
***25 Cumulative Years of Membership***
Moji Amini
Kirk Hipps
Karen Stockno
Kevin Tait

**2021-2022**

**Life Member Status Award**
***30 Cumulative Years of Membership and at Least 65 Years of Age***
Sebastian Amenta
Mark Anderson
Larry Bingaman
Thomas Kalinosky
Stephen Melanson

**Silver Water Drop Award**
***25 Cumulative Years of Membership***
Thomas Barger
Brant Buhler
Jeff Houser
Allen Hull
Erik Krueger
Victor Nigro
Robert Nixon
Guy Russo
Victor Serrambana
Leah Stanton
Karl Weber







# Welcome New Members

**Gabe Archambault,** *Hazen and Sawyer*

**Samuel Cooksey,** *Weston & Sampson*

**Albert Cortina,**
*Aquarion Water Co. of Connecticut*

**Mauricio Duarte,** *Groton Utilities*

**Katherine Ford,** *CT Water Company*

**Melinda Jacobucci,**
*Snyder Civil Engineering, LLC*

**Brad Kelle,** *Student*

**Dawn Labella,**
*City of Bristol Water and Sewer Department*

**David Mc Mahon**

**Raymond Moreau,** *Student*

**Maddie Mulqueen,** *Burt Process Equipment*

**William O'Shaughnessy,**
*Eastern Analytical Laboratory, Inc.*

**Ananth Padmanabhan,**
*Aquarion Water Co. of Connecticut*

**Ben Small,** *Burt Process Equipment*

**Kienan Tierney,** *Corrosion Probe, Inc.*

**Anthony Valdes**

**Vinta Varghese,** *CDM Smith*

**Jacob Zachary,** *Student*




# Dan Lawrence Installed as CWWA President



Daniel Lawrence, PE, of Aquarion Water Company, was installed as President of The Connecticut Water Works Association (CWWA) at its recent Annual Meeting.

Dan is currently the Vice President of Engineering and Real Estate for Aquarion Water Company, which includes nine surface water treatment plants, 274 groundwater wells, 110 groundwater treatment systems, 106 pumping stations, 29 dams, 3,434 miles of water main, 74 water storage tanks, and other related infrastructure.

Dan joined Aquarion in 2014 as the Director of Engineering and Planning. Prior to joining Aquarion, he worked in the consulting field for Blasland, Bouck & Lee (Arcadis), Metcalf & Eddy (AECOM), and Weston & Sampson gaining experience in a wide variety of infrastructure and other related projects including dam rehabilitation, stream restoration, hazardous waste remediation within streams, lakes and rivers, small and large drainage systems, small bridges, sidewalk and overall roadway improvements, permitting for infrastructure, remediation, and restoration projects, water infrastructure planning, design and construction, and wastewater planning, design, and construction.

Dan is a licensed Professional Engineer in Connecticut with more than 29 years of experience in engineering and construction and has a BS in Civil Engineering with an Emphasis in Environmental Engineering from the University of Massachusetts. He has worked in numerous states, including Connecticut, Florida, Massachusetts, Michigan, New Hampshire, New Jersey, New York, Ohio, Rhode Island, and Vermont. He also serves as Co-Chair of the Western Utility Coordinating Committee (WUCC), part of the Lead Service Collaborative, and a member of American Water Works Association (AWWA), Water Planning Council Advisory Group, and the National Association of Water Companies.

# *Thank You* to our 2021 Section Enhancers

AECOM
Aqua Solutions, Inc.
Aquarion Water Company
Arcadis US, Inc.
Bibby-Ste-Croix
Bristol Water and Sewer Department
Cambridge Brass
CDM Smith, Inc.
Clow Valve Company
Comprehensive Environmental, Inc.
Core & Main
CT Water Company
Culligan of New England
DN Tanks, Inc.
EBAA Iron, Inc.
EJ Prescott
Environmental Partners Group, Inc.
F.W. WEBB Company
Ferguson Waterworks
G & L Water Works Supply
G. L. Lyons Associates
GeoInsight, Inc.
GZA GeoEnvironmental, Inc.
Harper-Haines Fluid Control, Inc.
Hazen and Sawyer
Holland Company, Inc.
JKMUIR
Kennedy/MH Valve
KLEINFELDER
McWane Ductile
MDC
Mueller Company
Neptune Technology Group
PRIME AE Group, Inc.
REED Manufacturing Company
Smith-Blair
Snyder Civil Engineering LLC
Stantec
Statewide Aquastore, Inc.
Stiles Company, Inc.
SUEZ Advanced Solutions
Tata & Howard, Inc.
Tighe & Bond, Inc.
Ti-SALES
Total Piping Solutions, Inc.
US Pipe & Foundry Co. LLC
Water & Sewer Specialties
Wedge Manufacturing

## Become a Section Enhancer and Get Recognized!

The Associates Committee sponsors the Annual Section Enhancement Program. CTAWWA Enhancers include manufacturers, suppliers, consultants, service providers, utilities, and contractors. The Section Enhancement Program offers outstanding recognition for participants in the program, and sponsors luncheons, speakers, welcome gifts, scholarships, and fundraising raffles at CT Section events.

For additional information about becoming a CTAWWA Enhancer, visit the CTAWWA website at *www.ctawwa.org.*

# Weston & Sampson Brings on Three Senior Hydrogeologists

Weston & Sampson recently announced that they have expanded their Connecticut operations with the hiring of three new senior hydrogeologists in their Connecticut operations.



**Rob Good, Jr.**, PG, LEP has over 40 years of professional experience conducting geologic and hydrogeologic investigations nationally and internationally. This includes environmental and water supply projects, saltwater encroachment studies, hydrogeologic impact assessments for mining and proposed developments, and others, including third-party expert testimony.



**John Zbell**, PG, LEP has over 22 years of experience including environmental site assessments, soil and groundwater remediation, and UST regulatory compliance for private and municipal clients. John has worked closely with staff from the CTDEEP to bring environmentally impacted sites into compliance with the Remediation Standard Regulations.



**Michael Kapareiko**, PG, LEP has over 19 years of experience including water supply source development and permitting, hydrogeologic assessment, and environmental site assessment projects for both private and municipal clients, including water supply projects for multiple golf course clients. Mike has worked with NYSDEC and CTDEEP to obtain water withdrawal/diversion permits for many water system operators.

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# Partnership Courses with NEWWA

The following courses are offered in partnership with the New England Water Works Association, a section of the American Water Works Association. **Due to the ongoing pandemic, ALL courses will be offered as online, live, instructor-led learning events.**

To register for these courses, visit the website at *www.newwa.org,* or call NEWWA at 508-893-7979. (PLEASE NOTE: CTAWWA does not accept registration for these courses.)

Registration fee includes all course materials (a PDF file to be sent), TCHs, and TCH Certificate (sent by email). All courses are approved for CT Certified Drinking Water Operator Training Renewal Requirements. Distribution (D), Treatment (T), or combined (T&D) applicability is listed for each course. Enrollment is limited – please register for courses early.

## The Fundamentals of Cross Connection Control

**Course Code:** CCF122BCV
**Date:** September 1 and 2, 2021
**Location:** Live Instructor Led Online (Zoom)
**Time:** 8:30 am – 11:45 am
**TCHs:** 6.0 (MUST attend BOTH days for TCHs, NO partial credit)
**Applicable for Distribution and Treatment** (D and T)
**Course Description:** This course will cover the basic information needed to understand the concepts and fundamentals of cross connection control. It will prepare students for training in testing backflow prevention devices or conducting cross-connection surveys. The course will cover topics on: cross connection terminology; where they are found and why do they exist; how cross connections affect public health; the roles of the US EPA, states, local government, public water systems and others to control cross connections; types of protection programs; six methods of protecting a cross-connection; the basic hydraulics of backflow; the two types of backflow; how to identify backflow prevention devices; how backflow prevention devices are used; and basic installations of backflow prevention devices. Students will receive the US EPA Cross-Connection Manual as well as other supporting materials.

**Registration Fee:**
**CTAWWA Members:** $190.00
**Non-Members:** $240.00

## Selection, Application, and Maintenance of Water System Valves

**Course Code:** DSV222ACV
**Date:** October 14, 2021
**Location:** Live Instructor Led Online (Zoom)
**Time:** 8:30 am – 11:45 am
**TCHs:** 3.0
**Applicable for Distribution (D)**
**Course Description:** This course will present information on the application and selection of different mainline and specialty water system valves; review advantages and disadvantages of several valve types; and present proper procedures for inspecting, testing, and maintaining these mainline valves. Participants will have an opportunity to examine valve fundamentals of the different types of valves, their methods of operation, and component parts of each valve type. You will examine gate, butterfly, check, and other valve types and review the inspection process of new gate valves before installation.

This course is designed for anyone that is involved with operating, designing, and maintaining a public drinking water system. Drinking water operators, engineers, and those involved in making decisions regarding safe and effective drinking water transmission will find this course helpful.

**Registration Fee:**
**CTAWWA Members:** $140.00
**Non-Members:** $190.00

## Making The Most of Your Ductile Iron Pipe

(Presented by Members of the Ductile Iron Pipe Research Association)
**Course Code:** DIP222ACV
**Date:** November 16 and 17, 2021
**Location:** Live Instructor Led Online (Zoom)
**TCHs:** 6.0 (MUST attend BOTH days for TCHs, NO partial credit)
**Applicable for Distribution (D)**

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**Course Description:** If you have ductile iron pipe in your system, it's important you know how to properly manage it to maximize its benefits. This course will cover all things ductile iron pipe, from manufacture, features, and design to installation and safety. It will also cover corrosion control, thrust restraints, and horizontal directional drilling. This course is given in partnership with the Ductile Iron Pipe Research Association. This course is for any water works professional who works with ductile iron pipe in the distribution system.

**Registration Fee:**
**CTAWWA Members:** $190.00
**Non-Members:** $240.00

### Understanding the Importance of Contact Time (CT) in Disinfection

**Course Code:** TUT222ACV
**Date:** Wed. December 15, 2021
**Location:** Live Instructor Led Online (Zoom)
**Time:** 8:30 am – 11:45 am
**TCHs:** 3.0
**Applicable for Distribution (T)**
**Course Description:** This half-day class is designed to provide participants with an understanding of the concept of Contact Time (CT) used in providing effective disinfection of water. Beginning with a full explanation of CT, the reasons for use of tables supported by sound science and research will be examined as it relates to water microbiology. A brief explanation of Irradiation Time (IT) will be covered to assist in understanding similar concepts in the use of ultraviolet energy as an effective disinfectant. The various types of chemical disinfectants will be examined, with an explanation of the most successful methods that are used to provide the best methods of pathogen elimination. Lastly, a brief exercise will follow related to the use of CT tables and how to use the tables for compliance with the *Safe Drinking Water Act*.

This course will be useful to anyone who wishes to learn more about the disinfection process as it relates to drinking water and public health.

**Registration Fee:**
**CTAWWA Members:** $140.00
**Non-Members:** $190.00

## CT SECTION/NEWWA COURSE REGISTRATION FORM

### HOW TO REGISTER FOR CT SECTION/NEWWA LIVE ONLINE INSTRUCTOR-LED COURSES

**Part I** – Please complete this entire section including daytime telephone, fax, email, and AWWA or NEWWA member number if applicable. **The address should be your billing address for these courses.**
**Part II** – Please check [ ✔ ] which course(s) you will be registering for.
**Part III** - Please indicate the method of payment by checking the appropriate box and filling in the **TOTAL FEE** box. (NOTE: If you are *registering within 2 days* of the class add a **$20.00 late fee**.) If you will be paying by credit card, **it is very important that you include the card number and expiration date.**
**Please do NOT send registration forms and payments to CT SECTION for these classes!**

Keep a copy of the course dates, then return the completed registration form by mail to:
**NEWWA, 125 Hopping Brook Road, Holliston, MA, 01746-1471**. Or, fax to NEWWA at 508-8939898.
If you need further information, please call the NEWWA office at **508-893-7979**.
**PLEASE NOTE: SECURE ONLINE REGISTRATION IS AVAILABLE at *www.newwa.org*.**

| PART I - PARTICIPANT INFORMATION | | |
|---|---|---|
| **PRINT Name** (As you want your name to appear on CEU Certificate) | **Daytime Phone** ( \| \| \| ) \| \| \| \|-\| \| \| \| \| | |
| **Company** | **Fax** ( \| \| \| ) \| \| \| \|-\| \| \| \| \| | |
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| PART II – COURSE LISTING | | | | |
|---|---|---|---|---|
| ✔ | Course Code | Course Title | Date/Time | Fee |
| | CCF122BCV | **Fundamentals of Cross Connection Control (T & D)** | **September 1-2, 2021 (8:30 am-11:45 pm)** | **$190.00/ $240.00** |
| | DSV222ACV | **Selection, Application and Maintenance of Water System Valves (D)** | **October 14, 2021 (8:30 am-11:45 am)** | **$140.00/ $190.00** |
| | DIP222ACV | **Making the Most of Your Ductile Iron Pipe (D)** | **November 16-17, 2021 (8:30 am-11:45 am)** | **$190.00/ $240.00** |
| | TUT222ACV | **Understanding the Importance of Contact Time (CT) in Disinfection (T)** | **December 15, 2021 (8:30 am-11:45 am)** | **$140.00/ $190.00** |
| ***Add $20.00 late fee if registering within two days of the class date.*** | | | | |
| ☐ Check here if you have a disability and require accommodations to fully participate. | | | TOTAL | |

| PART III – METHOD OF PAYMENT | | |
|---|---|---|
| **Type of Payment**<br>☐ Check (Payable to NEWWA) ☐ PO #_____<br>☐ MasterCard/Visa ☐ AMEX | | **Amount (from TOTAL FEE above)**<br>$ |
| **Credit Card #** | **CVV Code #** | **Expiration Date** / |
| **Signature:** | | |

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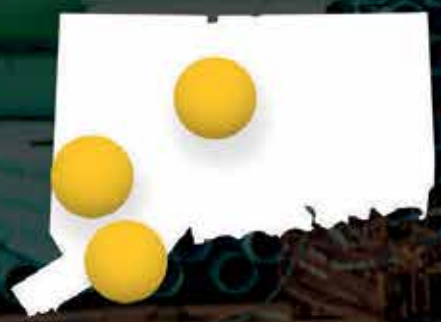
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