

InFlow-Line

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



Norwich Public Utilities: A small organization with a lot of capability. Page 4.

The legislature was busy! There's a roundup of new water-related laws on page 22.

The annual Water For People Golf Classic takes place on September 11. Page 26.

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On the cover:
Norwich's beautiful City Hall. Southeastern Connecticut's largest city has a unique public utility that is described on page 4.

From the CTAWWA Chair



Before I begin my first column, I'd like to take this time to thank Jack Keefe for his leadership over the past year serving as Chair. We enjoyed a successful year with you at the helm and know you'll continue to be a presence within the Section. Thanks Jack for your dedication and service.

At the 41st Annual Joint Conference, I spoke briefly about how important it is to have the right people in a company or organization such as CTAWWA in order for it to be successful. I know that we have the right people to move this Section forward serving our members needs and becoming a model for other sections to follow. Make no mistake about it, this success can only be achieved through a team effort. The Board and the many committees that serve this Section will work toward providing new innovative training topics, increasing its membership base, market careers in

the water industry to youths and young professionals, and host outstanding events such as ATCAVE and the upcoming Water Quality and Treatment Symposium. The focus will be you, the member.

As your new Chair I look forward to the challenges ahead and would like to take this opportunity to challenge you. The challenge is, get involved. Say "Yes" and join a committee. The benefits are endless, but include professional development, value to your employer, increased social skills and will help you gain career experience. I can personally tell you that the success I have achieved professionally is directly related to my involvement and experience gained by volunteering on committees and working with other industry professionals within the Section. It doesn't matter what your background or occupation is, we have a committee that can use you. So what do you say? Do what Jim Carrey did and say, "yes man."

"I can personally tell you that the success I have achieved professionally is directly related to my involvement and experience gained by volunteering on committees and working with other industry professionals within the Section."

New Members

I personally would like to welcome our two newest Board members. Rob Longo from The Bristol Water Company who will be serving as the Education & Public Affairs – Council Chair, and Jennifer Muir from JKMuir, LLC who will be serving as Trustee at Large. Congratulations to both of you on your appointments.

Save the Date

Don't miss the Water Quality and Treatment Symposium to be held on Thursday, October 11, 2012 at the CoCo Key Water Resort Hotel & Convention Center in Waterbury, CT. This event that will feature a full day of topics related to Water Treatment & Water Quality issues is sure to fill up fast, so be on the lookout for more information.

I am excited and honored to be your new Chair and look forward to meeting the challenges that lie ahead. Please feel free to contact me if you have any questions, suggestions, or interest in becoming active in the CT Section.

Sincerely,

Raymond E. Baral Jr.
Chair, CTAWWA, 2012-2013
860-278-7850 EXT. 3924
rbaral@themdc.com

All-Electric Watershed Maintenance Vehicles

In April of this year, Guy Russo, Director of Middletown Water & Sewer, sent out a message through CWWA that he was having one of the manufacturers of electric all terrain vehicles make some of these vehicles available for demonstration at Middletown's Mt. Higby Reservoir on April 27. Since we were familiar with the gasoline-powered ATVs sometimes used for watershed maintenance and patrol, we decided to take a look.

The vehicles we encountered at the reservoir that day were all made by Xtreme Green Products and these were 100% electric, not hybrids. Xtreme isn't the only manufacturer of all-electric vehicles but theirs appeared to be fairly representative of what's available technologically.

Several of the electric ATVs available that day were in police trim and there were members of the Middletown Police Department were on hand to put them through their paces. One model had a small dump style body and it looked like it might be suitable for watershed use.

The powertrain on these machines was fairly simple: 5KW, 72-volt electric motor, gearbox and energy management system and a 100-amp/hour, 72-volt lithium ion battery. Four-wheel disk brakes, lighting, four-wheel drive and a built-in 110/220 volt charger were also included. The typical Xtreme all electric ATV weighed 1,000 to 1,200 lbs. and the specs noted that the battery pack could be charged more than 2,000 times without deterioration.

As for performance, the top speed was listed as 45 mph, maximum climbing grade of 30 degrees and a range of up to 80 miles. But that was for the police model. When we questioned the Xtreme representative about using one of these vehicles to roam through a watershed, he suggested that to consistently climb steep grades, a lower gear ratio would be needed and that would likely limit speeds

to 30 mph maximum and the range to 30 miles between charges.

The operational cost of the electric ATV is obviously very small. It only requires an 8-hour plug-in charge to be back in service. That's an advantage over the gasoline, oil and maintenance required by gas powered vehicles. The big advantage, of course, is zero emissions; no smoke and noise in the watershed.

While the Xtreme all-electric ATVs appeared well engineered and fairly easy to service, we really have no way of knowing how they would perform day-to-day in what could be very difficult service in the woods around a reservoir. But, since the gasoline engine is slowly losing out to other power sources, perhaps the all-electric maintenance vehicle is worth a look. 💧





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Norwich Public Utilities

A unique utility serves Southeastern Connecticut's largest city

Norwich Public Utilities is the only municipal utility in Connecticut that provides drinking water, electricity, natural gas and wastewater services. It has been doing so for more than 60 years.

John Bilda, NPU's General Manager, heads this organization of just 140 people and under his leadership and that of his predecessors, many of those 140 employees are cross-trained to work in any area that the utility covers. "We have no work silos," he says. "Everyone works together."

That sense of cooperation became obvious in October 2011 when most of Connecticut was blacked out due to tropical storm Irene. In Norwich, the few areas that lost electric power were restored very quickly.

"We were prepared," explains John Bilda. "We have always had an aggressive tree trimming program and our crews know our power distribution system thoroughly. All hands were available and every member of the NPU team was anxious to restore power as quickly as possible to people who are our neighbors as much as they are our customers. That attitude makes a big difference during an emergency."

On a day to day basis, this cross-training helps keep operating and capital costs down. NPU can eliminate much of the need for outsourcing specialty work, such as construction, by utilizing its skilled workforce from other divisions.

About Norwich

To understand how this works, it's useful to know something about the city of Norwich. Settled in 1662, Norwich is bounded to the north by Franklin, Sprague, and Lisbon; to the east by Lisbon and Preston; to the south by Preston and Montville; and to the west by Bozrah and Franklin.

Norwich covers 28.3 sq. miles of some of the most diverse terrain in Connecticut, from rolling countryside to some of the steepest streets imaginable in its older, more developed downtown harbor area. The term "three rivers" that is often associated with Norwich,

refers to the city's location at the confluence of the Shetucket, Yantic and Thames Rivers. The city's water supply and distribution system commenced service in the late 1800s, making it among the oldest in the United States.

Despite a 2010 Census count of 40,000 (approximately 15,000 households), Norwich city government is compact and accountable, with an elected part-time mayor, six at-large city council members and a full time professional city manager.

"We work together with mutual respect and kindness. We are committed to building our skills, and combining them with the skills of others to ensure top performance"

-NPU Values

Although its roots go back to the late 1800s, Norwich Public Utilities as we know it today was created in 1950 during a reorganization of city government. That action merged water, gas and electric distribution under one city department. That eventually grew to include the management of wastewater as well.

Today, NPU provides water to 10,940 service connections serving a population of approximately 38,900 (37,400 in Norwich and 1,500 combined in Lebanon, Bozrah, Montville, Preston, and Lisbon). Approximately 92% of Norwich is served by NPU water.

Water supply comes primarily from two sources: Deep River reservoir in Colchester and Stony Brook reservoir in Montville. In the 1970s, a well was constructed in an area called Yantic Flats, now known as the Norwichtown Well. A 5 million gallon steel water tank was constructed in Mohegan Park along with several miles of transmission main. Today the system has six storage tanks and approximately 189 miles of pipe.

Governance

NPU's governance and business model are particularly interesting. NPU is governed by a 5-member Board of Utilities Commission who are appointed to five year terms by the city council. Those individuals also serve as the Sewer Authority. Each year, NPU submits a proposed operating budget first to its board and then to the mayor and city council. The city charter requires that NPU provide 10% of its gross revenues to the city's general fund. In 2013, that amount is expected to exceed \$9 million.

For FY 2013, budgeted revenue from NPU's four divisions include:

Gas sales	\$14,881,617
Electric sales	56,887,802
Water sales	8,273,147
Sewer sales	7,374,046
Other revenues	4,469,145

Borrowing for large capital projects is obviously the city's responsibility but the implementation of the projects is handled by NPU.

This independent arrangement gives NPU a great deal of flexibility. The utility takes responsibility for its own management, utility crews, human resources, purchasing, engineering, customer service and public information functions.

Some NPU projects benefit city government directly. NPU has recently completed a fiber optic network for both its own use and that of other city agencies. NPU has also implemented a web-based Geographic Information System and made it available to other city agencies.

NPU also promotes natural gas as an alternate fuel for transportation and has been using compressed natural gas to fuel some of its vehicle fleet since 1995. In 1998 NPU built the only CNG fueling station in southeastern Connecticut. To-date, this station, located near its headquarters on North Main Street, has resulted in the displacement of more than 300,000 of petroleum. By the end of 2012, more than 40% of the NPU fleet will run on CNG, and the City will be operating its first CNG plow truck and 16-passenger Senior shuttle bus.

NPU believes in doing more than just using alternative vehicles to protect the environment. In the last several years, NPU installed solar electric panels on the city's central firehouse, at one of the city's middle schools and at Three Rivers Community College. This enabled the city and the school system to gain experience with these new technologies while leveraging the expertise of a trusted local utility. They also installed a solar thermal system at the Norwich Fire Department's central station for hot water, and installed two wind turbines at the Norwich Senior Center.



The Norwich Public Utilities Customer Service Center

Expansion of Natural Gas Service

NPU is the only municipal gas utility in the state and it aggressively markets natural gas for both residential and commercial use within the city. Last year, voters approved a \$3 million bond issue to expand NPU's natural gas pipeline and studies are now underway to determine where that will be accomplished.

Electric Service

NPU purchases low cost, reliable electric power through the Connecticut Municipal Electric Energy Cooperative (CMEEC), a partnership supply agency formed in 1976. CMEEC is owned by NPU, the City of Groton and the borough of Jewett City, as well as the Second (South Norwalk) and Third (East Norwalk) Taxing Districts of the City of Norwalk, Connecticut. CMEEC also provides power to the Town of Wallingford, the Bozrah Light & Power Company and the Mohegan Tribal Utility Authority. CMEEC purchases power on the open market and supplies it to these member utilities at the lowest prices in Connecticut.

NPU also operates three small hydroelectric plants on the Shetucket River, two in the Greenville section and one in the Village of Occum. Those three plants provide approximately 6% of Norwich's electric needs. When asked why NPU would use hydro rather than the established purchased electric supply, Mark Decker, NPU's Water & Wastewater Integrity Manager, had a very direct answer.

"Why not use hydro?" he said. "It's relatively inexpensive, it's ultra-clean environmentally and NPU has all the skills to operate these facilities. It would be wasteful not to use it."

continued on page 6



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Norwich Public Utilities (continued)

Wastewater

Norwich Public Utilities operates and maintains the city's 8.5 million-gallon-per day wastewater treatment plant located on Hollyhock Island in downtown Norwich. The original facility dates back to the 1900s.

Thirty-one pump stations and 120 miles of sewer mains transport waste to the treatment plant. The facilities were last upgraded in the late 1970s. The current wastewater treatment process includes the removal of waste solids for incineration outside of the city and the treatment of liquids through biological and then chemical disinfection processes. The remaining effluent, which presently includes nitrogen and trace quantities of chlorine, is discharged into the Yantic River.

Like many of Connecticut's older, developed cities, some parts of Norwich have areas with combined sanitary and sewer lines. Of the original 28 Combined Sewer Overflow sites, all but 15 have been eliminated and correcting those last 15 is a continuing effort.

NPU's 'Clean Rivers, Clean Harbor, Sound Norwich' Community Wastewater Project took a step forward this spring when repairs began on the digester portion of the treatment plant. The new dome shape on the decades old storage tank will allow NPU to store the methane gas, which will be recycled as a renewable energy source and used to generate electricity for the wastewater treatment plant.

Challenges

As might be expected, having a abundant, clean water supply is a continuing issue. On the regional side, NPU is working with other organizations in southeastern Connecticut to develop water interconnections, especially to the north of the city and to develop new ground water supplies. Internally, NPU faces the ongoing challenge of maintaining its water supplies under the strain of a tough economic climate.

Recruitment, even for a utility as small as NPU, is also an issue. As others have found, young people don't see a career a water supply or wastewater management as being attractive. To counter this, NPU works with area schools, including the local community college to encourage study in areas that could eventually lead to the required licensing and certification needed for employment.

To heighten the effectiveness of its hiring process, NPU uses what it calls "Realistic Job Previews" when interviewing applicants. This involves role playing by NPU employees that exposes applicants to real life interactions that are part of the job. Not only does this provide the interview panel with a glimpse of how the candidate responds, it also give the candidate a view of what they would be dealing with on a regular basis

"Working at NPU is rewarding," said NPU's Mark Decker, but it's not all fun. We need to know that an applicant can handle a situation that requires diplomacy and fairness without becoming defensive or angry. You'd be surprised how well our 'Realistic Job Previews' really work." 💧

CTAWWA Officers

Having received no further nominations by April 20, 2012, the Connecticut Section AWWA Secretary, Kathy Fortin, has cast a ballot for the following slate of officers:

Chair	One Year Term	Ray Baral
Vice Chair	One Year Term	Steve Melanson
Past Chair	One Year Term	Jack Keefe
Secretary	One Year Term	Kathy Fortin
Treasurer	One Year Term	Kevin Barber
2nd Year Trustee	2nd of a Two Year Term	Fred Rogers
1st Year Trustee	Two Year Term	Steve Rupar
National Director	Three Year Term	Marcey Munoz

Arthur H. House Named PURA Chair

Arthur H. House of Simsbury was confirmed as chairman of the state's Public Utilities Regulatory Authority (PURA) by the legislature. House, who has long-time ties to Connecticut, was nominated by Governor Dannel P. Malloy to serve as a PURA director. House replaces Kevin DelGobbo, the previous chairman, who declined the opportunity to be renominated as a PURA Director.

House said, "As Chairman of PURA, I am committed to building on the progress Connecticut has made in bringing cheaper, cleaner and more reliable power to our state. PURA will play a positive role in accomplishing this vision by continuing its transition into a 21st century utility regulatory body."

House brings a broad range of experience in government, policy and corporate affairs to his work as PURA Chairman. Most recently, he served as Chief of the Communications Group for the National Geospatial-Intelligence Agency, a support agency for the U.S. Department of Defense. Prior to that House was Director of Communications for the Office of the Director of National Intelligence. He has also served on the staff of the National Security Council.

PURA Director John Betkoski, of Beacon Falls, will continue to serve as vice chairman. Betkoski has served as a utility regulator since 1997 – first with the Department of Public Utility Control and now at PURA – and has been vice chairman since 2007. He previously served 10 years as a State Representative from the Ansonia, Beacon Falls and Seymour area, from 1987-1997. The third seat on PURA is currently vacant.

CWWA has scheduled a "Meet the Regulators" breakfast for September 18 from 9:00 am to 11:00 am at the MDC Training Center in Hartford to give members the opportunity to learn more about the perspectives of state officials. 💧

Connecticut Water Service, Inc. to Acquire the Biddeford and Saco Water Company in Maine

Connecticut Water Service, Inc. announced recently that it has entered into an agreement to acquire the Biddeford and Saco Water Company located in the State of Maine. This transaction will add approximately \$19.4 million in rate base and grows CTWS's overall customer base by 15,500 customers, or approximately 15 percent.

The acquisition requires the approval of the Maine Public Utilities Commission ("MPUC"), a vote of the shareholders of Biddeford and Saco Water Company, and the satisfaction of several other conditions. CTWS anticipates a closing in the fourth quarter of 2012.

"The agreement to acquire the Biddeford and Saco Water Company marks the second major acquisition Connecticut Water has announced in less than a year," stated Connecticut Water

President and CEO Eric W. Thornburg. "Combined with the January 2012 acquisition of The Maine Water Company, formerly known as Aqua Maine, Inc., the pending acquisition of Biddeford and Saco Water Company will transform us into the fastest growing investor-owned utility company across New England and provide us with a secure platform to further expand throughout the region and along the east coast."

Connecticut Water is one of the ten largest U.S.-based publicly-traded water utilities, and is listed on the NASDAQ Global Select Market under the ticker symbol CTWS. 💧



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CWWA Compliance Corner



SDWA Definition of Lead-Free

According to a recent AWWA Regulatory Advisory, effective January 4, 2014, "it will be illegal to use any pipe or plumbing fitting or fixture, any solder, or any flux, in the installation or repair of a public water system or customer's drinking water plumbing unless it meets a new definition of lead free." Lead free is defined under the revisions to SDWA as (1) not containing more than 0.2% lead when used with respect to solder and flux, and (2) not more than a weighted average of 0.25% lead when used with respect to the wetted surfaces of pipes, pipe fittings and fixtures. Water utilities should take steps to ensure that any inventory is compliant by January 4, 2014 or sooner.

EPA – Monitoring Unregulated Contaminants

As part of the agency's unregulated contaminant monitoring program, the U.S. Environmental Protection Agency (EPA) recently announced that it has published a list of 28 chemicals and two viruses that approximately 6,000 public water systems will monitor from 2013 to 2015. The data collected under the Unregulated Contaminant Monitoring Rule 3 (UCMR 3) will inform EPA about the frequency and levels at which these contaminants are found in drinking water systems across the United States and help determine whether additional protections are needed to ensure safe drinking water for Americans. State participation in the monitoring

is voluntary. EPA will fund small drinking water system costs

for laboratory analyses, shipping and quality control. The list of contaminants to be studied includes total chromium and hexavalent chromium, also known as chromium-6.

Paid Sick Leave Law – Are you in Compliance?

Effective January 1, employers with 50 or more full or part-time employees, including municipalities and regional water companies, are required to provide service workers with five paid sick days per year. The definition of service workers includes secretaries, administrative assistants, salespersons, janitors, mail clerks and data entry and information processing workers. Employers must allow workers to accrue leave at a rate of 1 hour per every 40 hours actually worked, which does not include vacation time. Once they have accrued 680 hours, service workers can use the leave in one hour increments for a variety of reasons, including their own illness or to care for a sick child or spouse, or for doctor's appointments. The CT Department of Labor has provided online compliance information and a sample poster in English and Spanish to assist employers in complying with the new law. Visit www.ctdol.state.ct.us for more information. 💧



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CWWA Regulatory Update

Emergency Planning & Preparedness

The state Department of Emergency Management and Homeland Security (DEMHS) is working with state, local, federal and private sector partners, including water utilities, to implement the Governor's Emergency Planning and Preparedness Initiative. As part of this initiative, a real time exercise was scheduled for July 28-31 to help the towns and state be better prepared to aid residents during a disaster. The exercise involved hurricane pre-landfall planning and preparation and hurricane response and recovery.

Draft Plan of Conservation & Development

OPM has issued its draft Plan of Conservation & Development for public comment. In conjunction with the RPOs, public hearings are being held around the state. Regional Public hearing dates, times and locations can be found at <http://www.ct.gov/opm/cdplan>. Written comments may be accepted anytime up until until 5:00 pm on October 5. Written comments may be mailed, faxed or e-mailed to Daniel Morley, OPM, 450 Capitol Ave., MS #54ORG, Hartford, CT 06106; Fax: 860-418-6486; E-Mail: Daniel.Morley@ct.gov.

Water Planning Council Advisory Group Drought Plan Working Group

The Water Planning Council Drought Plan Working Group has developed a draft report, sets forth several recommendations, including:

1. Improve the criteria for drought declarations to allow the process to be more responsive to the most critical factors and to regional variations. Provide for response to regional/local drought events.
2. Incorporate private wells into the State Drought Plan including provisions for evaluating their hydrologic conditions (water availability). The Model Water Supply Ordinance should also be updated to include private wells.
3. Better define the roles of state agencies, municipalities, and water utilities in the State Drought Plan and develop mechanisms to foster better coordination including key contacts for each municipality.
4. Better define the roles of the various agencies in the implementation and enforcement of water use restrictions and clarify the legal authority to enforce.
5. Reconcile, as appropriate, procedures and actions for a drought event in the State Drought Plan and the Water Utility Supply Plans.

For more information, please contact Betsy Gara at gara@gmlobbying.com

Grant Opportunities

The following grants may provide water companies with some opportunity to partner with municipalities on water infrastructure and other projects:

Main Street Investment Fund - The Main Street Investment Fund program provides grants in the amount not to exceed \$500,000 to municipalities with populations of not more than 30,000 or municipalities eligible for the Small Town Economic Assistance Program (STEAP). The grant shall be used for improvements to property owned by the municipality, except the municipality may use a portion of the proceeds of the grant to provide a one-time reimbursement to owners of commercial private property for eligible expenditures that directly support and enhance an eligible project. The maximum allowable reimbursement for such eligible expenditures to the owner shall be \$50,000 provided at the following rates: (1) expenditures equal to or less than \$50,000 shall be reimbursed at a rate of 50%, and (2) any additional expenditures greater than \$50,000 but less than or equal to \$150,000 shall be reimbursed at a rate of 25%. For more information, please contact OPM's Dimple Desai at 860-418-6412; Email - dimple.desai@ct.gov

Small Town Economic Assistance Program - OPM is now accepting applications for STEAP grants, which assist municipalities in funding economic development, community conservation and quality of life projects for localities that are ineligible to receive Urban Action bonds. Some water departments have partnered with a municipality in which they provide water service to obtain grants to fund water main replacement projects and other water infrastructure projects. Towns may receive up to \$500,000 per year if (1) they are not designated as a distressed municipality or a public investment community, and (2) the State Plan of Conservation Development does not show them as having a regional center. Applications must have been received or postmarked by August 1st at 4:30 p.m. 💧



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From the CWWA President



Meeting the Challenges Ahead

It is an honor to serve as CWWA's President for 2012-2013. I look forward to building on Ted Norris' efforts to update and implement the organization's strategic plan and move the organization forward in a positive direction.

As part of that effort, I was responsible for helping to implement the strategic plan goal of strengthening CWWA's relationship with CTAWWA. Both organizations recognize how important it is for us to work together to provide a unified voice for the water industry. CWWA relies on the technical expertise of CTAWWA members to help shape legislation and regulations in ways that ensure that water companies will be able to continue to provide a safe, ample supply of quality water to our customers at a reasonable price. CWWA is the

lobbying arm for the water industry, providing a strong presence at the state Capitol and before state agencies.

I also look forward to working with our Legislative Committee officers in developing and implementing CWWA's Government Affairs Agenda. Carlene Kulisch, South Central Connecticut Regional Water Authority; Vincent Susco, East Hampton Water & Sewer and Maureen Westbrook, Connecticut Water will be working closely with our Executive Director, Betsy Gara, to represent the interests of the water industry at the state Capitol. If you have any issues that you believe should be included in our Government Affairs Agenda, please don't hesitate to contact Betsy at gara@gmlobbying.com or 860-841-7350.

“CWWA will be holding two legislative planning workshops on September 28 and November 16, noon to 3:30 p.m.”

To ensure that our members continue to have a strong voice in shaping our Government Affairs Agenda, CWWA will be holding two legislative planning workshops on September 28 and November 16, noon-3:30 p.m. CWWA members and CTAWWA board members and section chairs are invited to participate and share ideas about legislative proposals and priorities. Our agenda really does guide us in setting our legislative and regulatory priorities to ensure that we represent the interests of the entire water industry.

CWWA will also be reviewing the results of its recent membership survey to explore opportunities to enhance membership value. Many members have indicated that they would like additional assistance in complying with new laws and regulations and we are looking at various ways of meeting that need, including partnering with the section on one or two compliance seminars.

We also hope to hold an event at the state Capitol during Drinking Water Week to highlight how vital our public water supplies are to protecting the state's public health and safety. Guy Russo of Middletown Water is leading this effort and is working with CTAWWA to consider whether it would be beneficial to incorporate the scholarship awards into the event to encourage young people to pursue careers in the water industry.

As you can see, there are certainly a lot of good ideas that have been generated through our strategic planning efforts and I look forward to working as CWWA's President to help continue this progress. I also hope that you will join me in encouraging and supporting the involvement of your employees and colleagues in our organizations. Working together, we can make a difference!

Jonathan Avery
Hazardville/Jewett City Water Company

CTAWWA Fall 2012 Training Schedule

Course selections for Fall 2012 are listed below. The CTAWWA Education Committee provides the most comprehensive up-to-date training for members. We appreciate your continued support and encourage you to participate in courses offered by CTAWWA individually and in partnership with NEWWA.

Please note that the courses offered in partnership with NEWWA must be registered and payment made directly to NEWWA. Courses offered by CTAWWA must be registered and payment made directly to CTAWWA.

There is a listing of the course offerings on the website, www.ctawwa.org, where you can also register online.

Education Co-Chairs:

Robert J. Longo
Bristol Water Department
Phone: 860-367-3570
e-mail: robertlongo@ci.bristol.ct.us

Peter J. Grabowski
Tighe & Bond
Phone: 413-572-3234
e-mail: pjgrabowski@tighebond.com

CTAWWA Executive Manager:

Pam Monahan
Fax: 203-725-0445
Phone: 203-757-1855
E-mail: ctawwa@snet.net

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.

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

Registration fee includes all course materials, breaks, lunch (excluding half-day courses), CEUs and CEU Certificate. 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.

Water Main Disinfection

Course Code: DMD113AC
Date: Thursday, September 13, 2012
Location: MDC Training Center, Hartford
Time: 8:30 AM – 12:30 PM
CEU: 0.3 CEU
Applicable for Distribution (D)

Course Description: This seminar has been specifically developed to present an overview of the various processes utilized to disinfect drinking water distribution system water mains. Each segment will present a topic related to the sanitary protection of a typical distribution system water main. The focus of this forum is introductory in nature. The morning segment will help participants develop an understanding of the various types of chlorine used in the disinfection process, as well as the importance of water main disinfection. A follow up segment will cover the disposal of highly chlorinated water and show how to properly dispose of this water

according to the latest acceptable practices. The next segment includes a presentation by a water main contractor illustrating the correct methods used to disinfection new, repaired, or rehabilitated mains. Lastly, an overview of how to provide proper quality control in the main disinfection process will be presented. "Water Main Disinfection" will provide you with a solid, need-to-know-background in main disinfection basics.

Registration Fee: CTAWWA Members: \$120.00; Non-Members: \$160.00

Evaluating Options For Effective Drinking Water Treatment

Course Code: TWT213AC
Date: Wednesday, October 3, 2012
Location: MDC Training Center, Hartford
Time: 9:00 AM – 4:15 PM
CEU: 0.6 CEU
Applicable for Treatment & Distribution (T)

Course Description: There are many choices of to be made regarding choosing the best chemicals to treat drinking water effectively. This full day class will review the various types of chemicals used in drinking water treatment, along with how the chemicals are able to perform, the safety hazards in dealing with the chemicals and when to use each chemical. Short demonstrations will be used to allow participants to witness the success of certain chemicals used in drinking water treatment.

Registration Fee: CTAWWA Members: \$160.00; Non-Members: \$200.00

Putting the CONTROL Back Into Process Control

Course Code: WPC213AC

Date: Tuesday, October 23, 2012

Location: MDC Training Center, Hartford

Time: 9:00 AM – 4:15 PM

CEU: 0.6 CEU

Applicable for Treatment and Distribution (T&D)

Course Description: This class is designed to provide insight into the methods of providing the best control of BOTH treatment and distribution system processes in drinking water supplies. With continuing concerns of current and future contaminants, the class will provide an opportunity to identify what process control is, and how it can benefit your system in providing barriers to contamination. Several proposed future contaminants will be discussed along with proven successful methods of process control. This class is intended to be helpful to BOTH treatment and distribution system personnel.

Registration Fee: CTAWWA Members: \$160.00;

Non-Members: \$200.00

How to Successfully Operate & Maintain Your Distribution System

Course code: DDS213AC

Date: Thursday, November 8, 2012

Location: Regional Water Authority, New Haven

Time: 9:00 AM – 4:00 PM

CEU: 0.6 CEU

Applicable for Distribution (D)

Course Description: This full-day seminar is introductory in nature, and designed to help participants develop an understanding of the basic concepts of safe operation and maintenance of drinking water distribution systems. Sound procedures will be presented throughout the seminar with a focus on providing the new or seasoned station operator with straight- forward information regarding all major aspects of responsible distribution system operation and maintenance. Beginning with an explanation of system components, this seminar will cover pipe materials, a basic orientation to water main installation, disinfection, hydrant and valve basics, maintenance, water quality monitoring and record keeping. The goal of this seminar is to increase participant awareness of methods that are practical and useful in successfully operating and maintaining a distribution system.

Registration Fee: CTAWWA Members: \$160.00; Non-Members: \$200.00

Understanding & Complying with the Safe Drinking Water Act

Course Code: WWA213AC

Date: Wednesday, November 28, 2012

Location: Regional Water Authority, New Haven

Time: 9:00 AM – 4:00 PM

CEU: 0.6 CEU

Applicable for Treatment & Distribution (T&D)

Course Description: Often time, trying to negotiate your way around the various rules and regulations of the Safe Drinking Water Act can be very confusing. This course is designed to present a

summary of the MAJOR components of the SDWA as it exists today. The class will begin with the basics of regulatory compliance including EPA definitions. Also, if compliance is not achieved, what is required according to the Public Notification Rule and Consumer Confidence Reports? Next, the Total Coliform Rule will be covered, followed by the Surface Water Treatment Rules, the Disinfection By Product Rules, Lead and Copper Rule, Phase 2 and Phase 5 organic monitoring, Inorganic Contaminant Monitoring and monitoring of Radionuclides. Finally the basic requirements of the Groundwater Rule will be discussed. During the discussion of each contaminant group, appropriate health effects will be explained, and basic contaminant remediation techniques will be described. Appropriate reporting requirements will also be discussed.

Registration Fee: CTAWWA Members: \$160.00; Non-Members: \$200.00

Pumps & Pumping Overview

Course Code: DPP213AC

Date: Wednesday, December 5, 2012

Location: Regional Water Authority, New Haven

Time: 9:00 AM – 4:15 PM

CEU: 0.6 CEU

Applicable for Distribution (T & D)

Course Description: This one-day seminar is designed to help participants develop an overview of how pumps operate and how to keep them in top operating condition. Beginning with the explanation of component parts, terminology, pump types and a basic orientation to hydraulics, sound operation and maintenance procedures will be presented throughout the seminar with an eye towards improving pumping results. Among the goals of this seminar are increased participant awareness of preventative maintenance procedures and troubleshooting skills.

Registration Fee: CTAWWA Members: \$160.00; Non-Members: \$200.00

Sanitary Survey Preparation and Follow-Up Compliance

Course Code: WSS213AC

Date: Tuesday, December 18, 2012

Location: Regional Water Authority, New Haven

Time: 9:00 AM - 12:30 PM

CEU: 0.3 CEU

Applicable for Treatment and Distribution (T&D)

Course Description: This is a three hour application-oriented learning program designed to assist operators of water systems in recognizing sanitary risks in their own systems and understanding what action should be taken to correct them. Building on basic knowledge of water systems, this training will also assist water system operators in preparing for sanitary surveys by the drinking water regulatory agency. Sanitary risks that will be discussed include facilities, operation, and maintenance of the entire water system from the source to the tap. Operators will become familiar with the concept of multiple barrier protection and learn how its interruption can adversely affect the ability of the system to provide safe drinking water.

Registration Fee: CTAWWA Members: \$120.00; Non-Members: \$160.00

Understanding How Water Treatment Works: The Science of Public Health

Course Code: THP313AC

Date: Wednesday, January 16, 2013

Location: Regional Water Authority, New Haven

Time: 9:00 AM – 4:00 PM

CEU: 0.6 CEU

Applicable for Treatment (T)

Course Description: This class will provide participants with the information necessary to understand simple and complex drinking water treatment processes as they relate to various aspects of science. By exploring the chemistry, biology and physics of water treatment, participants will gain a better understanding of the "science" of purifying water for drinking. Topics will include: 1) the chemistry of aeration, iron & manganese, disinfection, coagulation, corrosion control and carbon filtration; 2) the biology of surface water eutrophication, algae growth and control, taste & odor, iron bacteria and total coliform re-growth; 3) the physics of pumping water, flocculation and settling, radiation and radioactivity.

Registration Fee: CTAWWA Members: \$160.00; Non-Members: \$200.00

COURSES PRESENTED BY CTAWWA

The courses listed below are sponsored by the Connecticut Section of the American Water Works Association.

There is a listing of the course offerings on the website, www.ctawwa.org. You can fax the registration to (203) 725-0445, or register online (credit cards accepted). NEWWA does not accept registration for these classes.

Registration fee includes all course materials, breaks, lunch (excluding half-day courses), CEUs and CEU Certificate. 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.

REVAMPED!!!! Water Distribution School

Course Code: Fall 1201

Date: Class runs for 8 weeks beginning Tuesday, October 9, 2012

Location: Regional Water Authority, New Haven

Time: 5:00 pm – 8:00 pm

CEU: 18.5 TCH – PLEASE NOTE: Existing Certified Operators may use the TCHs from this course towards certification renewal.

Course description: This course is revamped to eight weeks, and now offers TCHs. The curriculum of Distribution Operations School covers sources of water, its characteristics, production, storage and distribution. It will also review math, hydraulics, pipe use, installation and maintenance of meters, services, pumps, safety, etc. Text and study guide is included.

Registration Fee: CTAWWA Members \$500.00; Non-Members \$550.00

DPH Operator Certification Review

Course Code: Fall 1202A, Fall 1202B

Date: Wednesday, October 24, 2012

Location: Whitney Water Treatment Plant, RWA, 930 Whitney Avenue, Hamden

Time: 9:00 AM – 3:30 PM

Course Description: This course will be a one-day review session to assist treatment plant and distribution system operators for the state certificate examinations. The morning review session will focus on treatment plant operations, and the afternoon session will focus on distribution system operations. Attendees should bring a calculator to the review session and will be provided with a copy of AWWA's Operator Certification Study Guide (5th edition).

Exam applications are available on the DPH Drinking Water Section website: www.ctgov/dph. From there, click on "Drinking Water," then "Certified Operators," then Exam Information." For more information, contact the Connecticut Department of Public Health at (860) 509-7333.

No Book: CTAWWA Member \$120.00; Non-Member \$150.00
With Book: CTAWWA Member \$160.00; Non-Member \$190.00

DPH Testing Dates

EXAM DATE	Testing Date	Application
Small Water System	11/6/12	9/17/12
Water Treatment Plant Operator	11/6/12	9/17/12
Distribution System Operator	11/7/12	9/17/12

Best Practices in Customer Service

Course Code: Fall 1203

Location: MDC Training Center, Hartford, CT

Date: Tuesday, September 18, 2012

Time: 9:00 AM – 4:15 PM

CEU: 6.0 TCH (0.6 CEU)

Applicable for Treatment & Distribution (T & D)

Course Description: Effective customer service in all areas of the water industry is an integral part of public water safety. This class will transform the average water supply employee into an effective tool for decisive action in the water industry. Attendees will learn how to say what you do, when to listen and when to talk, how to identify the real issues, identifying trigger points – making decisions simpler, and how to gain closure in every instance. Topics that will be covered include: honesty in customer relationships, listening skills, top notch telephone skills, knowing your boundaries, and commitment to follow-up.

Registration Fee: CTAWWA Members: \$150.00; Non-Members: \$190.00

Call Before You Dig and Line Locating - Communications, Procedures, Responsibilities and Techniques

Course Code: Fall 1204

Location: Bristol Water Department, Bristol

Date: October 11, 2012

Time: 9:00 AM – 1:15 PM

CEU: 4.0 TCH (0.4 CEU)

Applicable for Distribution (D)

Course Description: This class is specifically geared to assist anyone who performs Call Before You Dig or works in the water distribution system. Representatives from DEEP (Formally DPUC) will provide an in depth lecture on the CPR's of CBYD; COMMUNICATION, PROCEDURES and RESPONSIBILITIES which will educate even the most experienced operators. Line Locating manufacture representatives will provide "Hands-on" water main locating on site, while also covering all different types of locating equipment. This class will assist any distribution system operator gain knowledge on the CBYD program and using locating equipment.

Registration Fee: CTAWWA Members: \$115.00; Non-Members: \$155.00

Compliance Workshop for Water Industry Professionals for new Regulations – Streamflow – DPH

Course Code: Fall 1205

Location: MDC Training Center, Hartford

Date: Tuesday, October 30, 2012

Time: 8:30 AM – 12:45 PM

CEU: 4.0 TCH, (0.4 CEU)

Applicable for Treatment & Distribution (T&D)

Course Description: This seminar will include: Drinking Water Related Updates- 2011 and 2012 Legislative Updates - Preservation of Highest Quality Sources for Human Consumption , Streamlined Source Abandonment Requirements and New Water Systems, Bottled Water and Bottled Water Sources, and Operator Certification Fees.

In addition, Regulations in Process - RCSA Section 19-13-B102; Emergency Generators; Operator Certificate; Certificate of Public Convenience and Necessity; Maintaining Margin of Safety with Stream Flow Regulations; Regulatory Reminders for Various Rules.

Registration Fee: CTAWWA Members: \$115.00; Non-Members: \$155.00

Fundamentals of Business Operations and Management for Non-Managers

Course Code: Fall 1206

Location: Bristol Water Department, Bristol

Date: Tuesday, November 13, 2012

Time: 9:00 AM – 4:15 PM

CEU: 6.0 TCH, (0.6 CEU)

Applicable for Treatment & Distribution (T&D)

Course Description: This full-day course presents to the student the nature of a business and what the risks associated with a large business operation such as a utility are, and how risk is managed. Basic concepts in business organization and operation, form of business, why businesses exist, how businesses are organized, and how the money comes in a goes out will be addressed. Hopefully upon completion of the course the student will have a better appreciation for how business decisions are made.

Registration Fee: CTAWWA Members: \$150.00; Non-Members: \$190.00

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Wethersfield, Connecticut

FALL 2012 NEWWA COURSE REGISTRATION FORM

HOW TO REGISTER FOR CT SECTION / NEWWA 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.**

Keep a copy of the course dates and directions then return the completed registration form by Mail to: **NEWWA, 125 Hopping Brook Road, Holliston, MA 01746-1471**. Or, fax to NEWWA at **(508) 893-9898**. 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 () -	
Billing Address			
City		State	Zip -
Email		CT Section / NEWWA Member # (if applicable) 	

✓	Course Code	PART II - COURSE LISTING Course Title	Date/Time	Fee
	DMD113AC	Water Main Disinfection- MDC Training Center, Hartford	Sept. 13, 2012 (9:00 am-12:30 pm)	\$120.00/ \$160.00
	TWT213AC	Evaluating Options For Effective Drinking Water Treatment - MDC Training Center, Hartford	Oct. 3, 2012 (9:00 am-4:15 pm)	\$160.00/ \$200.00
	WPC213AC	Putting the CONTROL Back Into Process CONTROL- MDC Training Center, Hartford	Oct. 23, 2012 (9:00 am- 4:15 pm)	\$160.00/ \$200.00
	DDS213AC	How To Successfully Operate & Maintain Your Distribution System- Regional Water Authority, New Haven	Nov. 8, 2012 (9 am-4:00 pm)	\$160.00/ \$200.00
	WWA213AC	Understanding and Complying With the Safe Drinking Water Act- Regional Water Authority, New Haven	Nov. 28, 2012, 2012 (9:00 am-4:00 pm)	\$160.00/ \$200.00
	DPP213AC	Pumps and Pumping Overview- Regional Water Authority, New Haven	Dec. 5, 2012 (9:00 am – 4:00 pm)	\$160.00/ \$200.00
	WSS213AC	Sanitary Survey Preparation and Follow-Up Compliance- Regional Water Authority, New Haven	Dec. 18, 2012 (9:00 am -12:30 pm)	\$120.00/ \$160.00
	THP313AC	Understanding How Water Treatment Works: The Science of Public Health- Regional Water Authority	Jan. 16, 2013 (9:00 am – 4:00 pm)	\$160.00/ \$200.00
		Add \$20.00 late fee if registering within 2 days of the class date	~ ~ ~ ~ ~	
		TOTAL		

PART III - METHOD OF PAYMENT

Type of Payment			Amount (from TOTAL FEE above)
<input type="checkbox"/> Check (Payable to NEWWA) <input type="checkbox"/> P.O.# _____ <input type="checkbox"/> MasterCard/Visa <input type="checkbox"/> AMEX			\$
Credit Card # 	Expiration Date /	Signature: _____	

Cancellation Policy: If you need to cancel, you must contact NEWWA in writing at least two business days prior to the start of the course. If you contact NEWWA within one business day, you will be charged 100% of the original course registration fee. This charge is non-refundable and non-transferable. Written refund/credit request made for special circumstances will be considered if received within two weeks from the start date of the program. Credit issues are valid for six months from the date of the program.

Check here if you have a disability and require accommodations to fully participate. You will be contacted by NEWWA. For additional registrations, reproduce this form or call NEWWA at (508) 893-7979.

Fall 2012 – CTAWWA COURSE REGISTRATION FORM

HOW TO REGISTER FOR CT SECTION 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. If you will be paying by credit card, it is very important that you include the card number and expiration date.

Keep a copy of the course dates and directions then return the completed registration form by Mail to: **Pam Monahan, Executive Manager, CTAWWA, 944 Prospect Street, Naugatuck, CT 06770 (PLEASE NOTE NEW ADDRESS.)** Or fax to (203) 725-0445.

PLEASE NOTE: SECURE ONLINE REGISTRATION IS AVAILABLE at www.ctawwa.org.

PART I - PARTICIPANT INFORMATION

PRINT Name (As you want your name to appear on CEU Certificate)		Daytime Phone () -	
Company		Fax () -	
Billing Address			
City		State	Zip -
Email		CTAWWA / NEWWA Member # (if applicable) 	

PART II – COURSE LISTING

✓	Course Code	Course Title	Date/Time	Fee
	Fall 1201	Water Distribution School RWA, New Haven	Oct 9, 2012 8 weeks @ 5PM	\$500.00/ \$550.00
	Fall 1202A	DPH Operator Certification Review (with book) RWA Whitney Treatment Plant, Hamden – NO WALK INS	October 24, 2012	\$160.00/ \$190.00
	Fall 1202B	DPH Operator Certification Review (NO book) RWA Whitney Treatment Plant, Hamden – NO WALK INS	October 24, 2012	\$120.00/ \$150.00
	Fall 1203	Best Practices in Customer Service MDC Training Center, Hartford	September 18, 2012	\$150.00/ \$190.00
	Fall 1204	Call Before you Dig and Line Locating Bristol Water Treatment Plant, Bristol – NO WALK INS	October 11, 2012	\$115.00/ \$155.00
	Fall 1205	Compliance Workshop for Water Industry Professionals for new Regulations – Streamflow – DPH MDC Training Center, Hartford	October 30, 2012	\$115.00/ \$155.00
	Fall 1206	Fundamentals of Business Operations and Management for Non-Managers Bristol Water Treatment Plant, Bristol – NO WALK INS	November 13, 2012	\$150.00/ \$190.00
			TOTAL	

PART III - METHOD OF PAYMENT

Type of Payment			Amount (from TOTAL FEE above)
<input type="checkbox"/> Check (Payable to CTAWWA <input type="checkbox"/> P.O.# _____ <input type="checkbox"/> MasterCard/Visa <input type="checkbox"/> AMEX			\$
Credit Card # 	Exp. / CCV /	Signature:	

Cancellation Policy: If you need to cancel, you must contact CTAWWA in writing at least two business days prior to the start of the course. If you contact CTAWWA within one business day, you will be charged 100% of the original course registration fee. This charge is non-refundable and non-transferable. Written refund/credit request made for special circumstances will be considered if received within two weeks from the start date of the program. Credit issues are valid for six months from the date of the program.

Check here if you have a disability and require accommodations to fully participate. You will be contacted by CTAWWA. For additional registrations, reproduce this form or register on website.

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Industry's Top 10 Services

- Payments Online
- Invoices by Email
- Statements by Email
- Proof of Delivery by Email
- Job Management Services
- Estimating Software
- Material Management Online
- Reports On Demand
- Inventory Services
- Database Support

Couplings, Repair Clamps
Compsand, Fenders, Turbine
Water Meters
Backflow Preventers
Multi-Jet Water Meters
Positive Displacement Meters
Concrete, Plastic, and Cast Iron
Valve & Meter Boxes
Fiberglass Meter Boxes
Hand-Held Meter Reading
Equipment
Meter Conversion
Environmental Testing

Pipe
Ductile Iron & Fabricated
PVC (Pressure, Sewer, 60" & 80")
Steel (Black, Galvanized,
Stainless, Fabricated)
Pipes, Fittings (Duropl, PE)
Pipes



Butterfly Valve

Check Valve

Gate Valve

Ball Valve

Diaphragm Valve

Plug Valve

Swing Check Valve

Wafer Valve

Y-Valve

Gate Valve

Ball Valve

Diaphragm Valve

Plug Valve

Swing Check Valve

Wafer Valve

Y-Valve

Gate Valve

Ball Valve

Diaphragm Valve

Plug Valve

Swing Check Valve

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Swing Check Valve

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Water Systems
Water & Wastewater
Applications
Cathodic Protection
Pumps, Jet Pumps, Mole Grinders
Pumps, Centrifugal, Drag, Turbine
for Water Systems

PVC Electrical Conduit
Pipe, Sweeps, Couplings
Pull Rope
Mandrels, Projectiles
Red Hot Blue Glue

Tools & Equipment
Saws, Pumps, Generators
Shovels, Metal Bars
Horizontal Frame

Hand Tools
Screw Drivers, Wrenches
Pliers, Nut Drivers
Sockets, Saws, Hammers
Shovels, Pick Axes, Axes
Sledgehammers, Axes
Saw Blades, Chainsaws
Saw Chains, Chainsaw Bars
Saw Chains, Chainsaw Bars
Saw Chains, Chainsaw Bars

Power Tools
Saws, Pumps, Generators
Shovels, Metal Bars
Horizontal Frame

Hand Tools
Screw Drivers, Wrenches
Pliers, Nut Drivers
Sockets, Saws, Hammers
Shovels, Pick Axes, Axes
Sledgehammers, Axes
Saw Blades, Chainsaws
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Sledgehammers, Axes
Saw Blades, Chainsaws
Saw Chains, Chainsaw Bars
Saw Chains, Chainsaw Bars
Saw Chains, Chainsaw Bars

Gateway Crossing
One Hartford Square
New Britain CT 06052
860-826-0517
Fax: 860-826-0518

295 Hancock Avenue
Bridgeport CT
203-330-0162
Fax: 203-330-0145



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State Agency Launches Medication Drop Box Program

In response to growing concerns that unused medications that are flushed down the drain may endanger the aquatic environment, the state Department of Consumer Protection (DCP) has launched the Medication Drop Box Program to collect unused drugs. Municipal police departments across the state are installing medication drop-boxes in their facilities to make it easier for people to safely dispose of unused or unwanted medications.

An extensive nationwide study by the U.S. Geologic Survey (USGS) has found evidence of pharmaceuticals including antibiotics and hormonal drugs, such as birth control pills, in surface waters throughout the nation. Although no one knows at this point what the presence of medications in the waste stream means for the environment and for humans, there is some evidence of harm to aquatic organisms that is raising concerns among researchers.

For example, in Boulder Creek, Colorado, researchers found that female white suckers outnumber males by more than five to one, and that 50 percent of males have female sex tissue. Similar intersex changes have been found in flat-head chubs and smallmouth bass. In addition, a Baylor University researcher found tiny amounts of Prozac in liver and brain tissue of channel catfish and black crappie captured in a creek near Dallas that receives almost all of its flow from a wastewater treatment plant.

World Health Organization indicates that human risk assessments have shown that low concentrations of pharmaceuticals in drinking water have a negligible health risk but that long-term exposures have not been evaluated, especially in individuals with other illnesses or with compromised immune systems.

Fortunately, Connecticut is one of two states in the nation that prohibits discharges from wastewater treatment plants within public water supply watersheds. This means that, unlike other states, Connecticut's public water supplies are at very little risk of exposure to pharmaceuticals that have been flushed through sewers into the wastewater stream. Programs like the Medication Drop Box Program will reduce that risk even further.

Drop boxes are managed by many municipal police departments and are available 24 hours a day/7 days a week. For a list of participating police departments, visit www.ct.gov/dcp or contact DCP's Prescription Monitoring Program at 860-713-6073. 💧



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CWWA
Contact Information

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WE BRING IT ALL TOGETHER

Connecticut Water Works Association Announces New Board Appointments

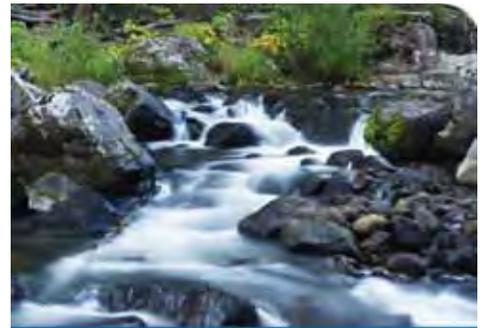
The Connecticut Water Works Association, Inc. (CWWA) elected the following officers and directors for 2012-13 at its Annual Meeting:

Jonathan Avery was elected President of CWWA. Avery is currently the Chief Executive Officer for Hazardville and Jewett City Water Companies. Also elected were: Vice President, Guy Russo, Middletown Water; Treasurer, Michael Elliott, Norwalk 1st District Water; Secretary, Stephen Pratt, The Metropolitan District; Past President, Ted Norris, South Central Connecticut Regional Water Authority; and directors Robert Wesneski, Avon Water Company; George Adair, Wallingford Public Utilities; John Hudak, South Central Connecticut Regional Water Authority; Al Braig, Connecticut Water Company; Len DeJong, Aquarion Water Company and Mark Decker, Norwich Public Utilities.

In addition, Carlene Kulisch representing the South Central Connecticut Regional Water Authority, Maureen Westbrook of Connecticut Water Company and Vincent Susco of East Hampton Water & Sewer have been named Legislative Committee Officers.

CWWA is an association of public water supply utilities that promotes state legislation and regulations to ensure reliable high-quality public water supplies to meet the needs of Connecticut's residents and businesses.

For more information, please contact CWWA's Executive Director, Elizabeth Gara, at 860-841-7350.



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Dave Riter, Associate Committee Chair and scholarship winner Lindsay Dion.



Scholarship winner Kevin Rathbun.



Time to take a break from business and have some fun.



John Herlihy receives the State Leadership Award from Ray Raposa, NEWWA Executive Director.



Fuller award winner Marcy Munoz with Kevin Walsh, last year's recipient.



Fred Haines wonders if Kevin can really handle that lobster.

CT AWWA Citation for 2012 Recipient: Marcey G. Munoz

The highlight of the 2012 Annual Conference was the presentation of the George Warren Fuller Award to Marcey Munoz of The MDC.

Dennis Keller, national AWWA Vice President, read the following citation while the past Fuller awardees lined up to congratulate her.

"This year's Fuller Award recipient is involved in the water profession.

"The recipient has been an employee in the industry for the many years.

"The recipient works in preserving the environment and land use.

"The recipient has served as a Trustee of the Connecticut Water Works Association.

"The recipient has taken a different route than others, serving as an educator before entering the profession, rather than taking the route of other past chairs and becoming teachers when they have left the profession.

"The recipient has been active in Connecticut Section for a number of years. Organized and attention to detail is evident in the recipient's work - at the utility and in the Association.

"Contributions to the Section include:

- serving on the Safety Committee,
- serving on the committee and participating in National Drinking Water Week events
- serving on the public information, security and website committees
- moving through the Board positions to Chair of the Section as trustee, vice chair, chair and past chair and now returning to the board as National Director for the Connecticut Section
- working to organize and energize the Diversity Committee, serving as its first chair, now a standing committee of the Connecticut Section, and
- now serving as a member of the AWWA National Diversity Committee.

"At the section level, the honoree this evening is currently the co-chair of the Membership Committee and serves on the Conservation Committee.

"The honoree has long been involved in community activities and has served on various town boards and commissions such as the Human Relations Commission and Conservation Commission.

"She and her husband were at their son's wedding this past weekend, and she enjoys many events with her daughter, director of an arts organization.

"This year's Fuller Award recipient is MARCEY G. MUNOZI!"

Marcey was also honored at the national AWWA Fuller Award Breakfast in Dallas, Texas in June. 💧



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CTAWWA

Call for Presentations

ATCAVE 2013

Tuesday, February 27, 2013

Crowne Plaza Hotel, Cromwell

Here is an opportunity for individuals desiring to present at the CT Section AWWA Annual Technical Conference & Vendor Expo "ATCAVE 2013".

Criteria for selection - Originality, Innovative, Significance of Work, Audience Range, Technical Content, Case Studies, Quality of Abstract, Real Life.

Suggested topics - Conservation, Emerging Technologies, Information Technology, Plant Operations, Small Systems, Water Treatment, Construction, Engineering, "Green Energy", Maintenance, Regulatory Issues, Strategic Planning, Distribution, Management, Safety, Security, Water Quality. Please note that the selection of presentations at ATCAVE 2012 will be made by the CTAWWA Education and Program Committees with the presenters being notified by October 31, 2012.

What to submit - For full consideration, the speaker biography and detailed outline of the presentation must be submitted by the deadline indicated below. The course will be presented to the Department of Public Health for CEU approval for attendees.

Deadline - Submissions are due by September 30, 2012 and should be sent via email to Pam Monahan at ctawwa@snet.net. Questions? Call 203-757-1855, or 203-525-5674.



CTAWWA Contact Information

Pamela A. Monahan
Executive Manager
944 Prospect Street
Naugatuck CT 06770
(203) 757-1855
ctawwa@snet.net



New Laws Affecting the Water Industry

The following bills affecting the water and wastewater industry were signed into law this year:

EMERGENCY PREPAREDNESS & RESPONSE

In addition to the provisions affecting electric, gas and telecommunications companies, Public Act 12-148 (SB-23) includes the following provisions affecting water utilities:

Emergency Service Restoration Plans

The act requires private and municipal utility companies, including water companies, to file emergency service restoration plans with the Public Utilities Regulatory Authority (PURA), the Department of Emergency Services & Public Protection (DESPP), and local municipalities every two years instead of every five years, beginning July 1, 2012. Under the act, the plans must include information on (1) communication and coordination measures with state officials, municipalities, and other private utilities and telecommunications companies during a major disaster or emergency; (2) participation in training exercises; and (3) responses for service outages affecting more than 10%, 30%, 50%, and 70% of customers. The act provides that any information provided in the plans is considered confidential and exempt from disclosure under the state Freedom of Information Act (FOIA). The act requires PURA to provide a summary of the plans to the legislature's Energy and Technology Committee by September 1, 2012, and biannually thereafter.

Civil Preparedness & Training Requirements

The act expands the scope of the state's civil preparedness and training requirements by requiring all private utility companies, including electric, gas, telephone, water, and cable TV companies, to comply with the state's comprehensive civil preparedness plan. It also requires all state departments, offices, and agencies to participate in civil preparedness planning, training, and exercises when directed to do so by the DESPP commissioner.

Road Work Coordination

The act requires the state Department of Transportation (DOT) and any municipality to notify PURA whenever they do road work over five miles long or in a commercial area. PURA must then notify utility companies if it determines that the road work could provide an opportunity to install, replace, upgrade, or bury any of their

various infrastructure lines.

Road Clearing

The act requires DEEP, in consultation with the utility companies, DOT, DESPP, and an association of municipalities, to develop, by January 1, 2013, a procedure for expedited road clearing for public safety personnel following an emergency.

DEEP Temporary Authorizations

The act expands the scope of activities for which the state Department of Energy & Environmental Protection (DEEP) commissioner can issue temporary authorizations to include minor activities in wetlands and water courses and stream channel encroachment lines. It also (1) increases the amount of time allowed for the authorizations to 90 days, which do not have to be consecutive; (2) ends the commissioner's ability to renew an authorization; and (3) requires 12 calendar months to have passed before the commissioner can issue an authorization for the same activity. Under current law, the commissioner can issue a temporary authorization for certain activities that otherwise require general permits if (1) the activity will last for no more than 30 days and will not pose a significant threat to human health and the environment and (2) the authorization is needed to protect the public interest and does not conflict with relevant federal law.

STATE OPEN SPACE PLAN

Current law requires 21% of the state's land area to be held as open space land. The goal for the state's open space acquisition program is for the state to hold 10% and municipalities, water companies, or nonprofit land conservation organizations, such as land trusts, to hold at least 11% of the state as open space land. Public Act 12-152 (SB-347) requires the DEEP commissioner to update the state's open space plan by December 15, 2012 and at least once every five years, instead of as necessary. It also requires the commissioner to consult with the agriculture and public health commissioners, municipalities, and regional planning agencies in updating the plan, in addition to the Council on Environmental Quality and conservation organizations. The act also expands the types of information that the commissioner must include in the state's open space plan to include (1) an estimate of how much state land is preserved as open

space and (2) potential methods, costs, and benefits of establishing a system to accurately track open space land. It removes the requirement that the DEEP commissioner set an open space goal for municipalities and conservation organizations.

AQUATIC INVASIVE SPECIES

Public Act 12-167 (HB-5259) expands boaters' responsibility for inspecting their boats and boat trailers before transporting them in Connecticut. Prior law required them to inspect for and properly remove and dispose of any vegetation. The act requires them to inspect for vegetation and aquatic invasive species, as determined by the DEEP commissioner, and properly remove and dispose of what is visible and identifiable without optical magnification. As under prior law, violators are subject to a fine of up to \$100 for each violation. The act also requires DEEP-approved safe boating courses to instruct boaters on how to properly inspect boats and trailers for aquatic invasive species and dispose of them. By law, the courses must already instruct boaters on how to properly inspect for and dispose of vegetation.

PHOSPHORUS REDUCTION

Public Act 12-155 (SB-440) authorizes the Clean Water Fund to provide grants for 30% of the costs associated with nutrient removal, such as phosphorus. The act also restricts the application of fertilizers that contain phosphates to established lawns, except golf courses and agricultural lands, during certain periods of the year to reduce non-point phosphorus pollution. It also directs DEEP to work with certain municipalities to develop a state-wide strategy to reduce phosphorous loading in inland non-tidal waters in order to comply with Federal EPA standards. These standards shall include: (1) establishing a statewide response to nonpoint source pollution, (2) a determination of the best scientific methods to measure phosphorous levels and make future projections of phosphorous levels, and (3) guidance to municipal and regional water pollution control authorities in meeting such standards.

MUNICIPAL SEWER BONDS

Public Act 12-2 (special session, SB-501) makes various changes to modernize laws allowing municipalities to issue bonds to finance sewer projects, including permitting a municipality to use the premium received from the issuance of bonds for a sewer project to be applied to the cost of the project, which will result in a municipal cost saving for the sewer projects to the extent municipalities are able to issue bonds at a premium.

PUBLIC'S RIGHT TO KNOW OF A SEWAGE SPILL

Public Act 12-11 (SB-88) requires DEEP to post the following information on its website: 1) by July 1, 2013, a state map showing combined sewer overflows expected to happen during storms and 2) by July 1, 2014, notice of unanticipated sewage spills and state waters that have chronic and persistent sewage contamination that poses a threat to public health that must be determined by

the DEEP commissioner in consultation with the public health commissioner. The act defines a "sewage spill" as the diversion of wastes from any portion of a sewage treatment plant or collection system in Connecticut that reasonably initiates public health, safety, welfare, or environmental concerns. A "sewage treatment plant or collection system" means a sewage treatment plant, water pollution control facility, related pumping station, collection system, or other public sewage works.

CERTIFICATION FEES

(The David Kuzminski Waiver)

Public Act 12-197 (HB-5514) provides that students enrolled in an accredited high school small water system operator certification course are not subject to the water treatment/distribution system/operator certification fees.

SEPTIC/SUBSURFACE SEWAGE DISPOSAL FINES

Public Act 12-197 (HB-5514) increases the maximum penalty, from \$100 to \$10,000 per incident, for violations of laws governing installers and cleaners of septic systems and other subsurface sewage disposal systems. The act also removes the condition in current law defining such systems' installers or cleaners as people who "regularly" offer such work to the general public. This explicitly allows DPH to take action against someone who violates these laws even if the person is not regularly engaged in such work.

PRIVATE WELL TESTING

Public Act 12-197 (HB-5514) authorizes the local health director to require a private residential well be tested for arsenic, radium, uranium, radon or gross alpha emitters when there are reasonable grounds to suspect that such contaminants are present in the groundwater. Current law applies only to radionuclides.

CRANE OPERATIONS

Public Act 12-99 (SB-323) revises license and certification requirements for crane and hoisting equipment operators consistent with federal OSHA regulations.

STORMWATER GENERAL PERMITTING

Public Act 12-172 (HB-5344) streamlines the state's stormwater general permitting process by authorizing DEEP to allow qualified professionals to certify compliance with stormwater and waste water discharge general permits where those certifications would not violate the federal Water Pollution Control and the Safe Drinking Water acts. The act requires the permit to specify the professional's qualifications and the grounds for rejecting a certification. It also requires the commissioner to audit at least 10% of the certifications. Qualified professionals who violate the act's provisions are subject to existing law's civil penalties, which are set by the court, but cannot exceed \$25,000 for each offense. Further, the commissioner may adopt implementing regulations to have qualified professional certify general permits. 💧

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CT Dept. of Public Health Water Treatment Certification
 CT Dept. of Energy and Environmental Protection
 Wastewater Certification
 Environmental Science and Technology

Courses Fall 2012

Course	Name	Location	Day	Time	Cdt
WMT 101	Water Treatment and Distribution	MDC Training Center Hartford	T, Th	6:00–8:50 PM	6
CWM 106	Introduction to Utility Management	New Haven Campus	W	5:15 – 8:10 PM	3
CWM 108	Introduction to the Biology, Chemistry and Math of Clean Water	North Haven Campus	F Sat	5:30–8:20 PM 8:00 -10:50 AM	4
CWM 110	Clean Water I	New Haven Campus	M	5:15–8:10 PM	3
ENV 100	Introduction to Alternative Energy Systems	New Haven Campus	T, Th	7:00 – 8:50 PM	2
ENV 181	Solar Thermal Systems	North Haven Campus	F	11:00 AM – 2:50 PM	3
EVS 100	Introduction to Environmental Science	New Haven Campus New Haven Campus New Haven Campus New Haven Campus	M, W M, W Th M	12:15-1:35 PM 3:15 – 4:35 PM 7:00-9:50 PM 5:15-8:05 PM	3
EVS 221	Qualitative & Quantitative Field & Lab Analysis I	New Haven Campus	T, Th	5:30–8:20 PM	4

The Fall Semester starts on September 4, 2012 and ends on December 20, 2012

New students can receive admissions materials by contacting the Admissions Office at 203-285-2010.

Continuing students, already admitted to the college, can receive registration materials by contacting the North Haven Campus Records Office at 203-285-2304. C

Continuing students may also register on-line at the following address: www.gwcc.commnet.edu

Questions regarding these classes or the college's Water Management, Clean Water (aka Wastewater), and Environmental Science/Technology Programs can be directed to 203-285-2428



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Wright-Pierce Ranks Among "Top 500" Design Firms in the US

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ENR, a trade publication and AEC (architecture, engineering and construction) industry observer, compiles and publishes annual rankings of the largest engineering and construction firms in the US, measured by gross revenues. Wright-Pierce has been named a Top 500 firm for the past three years, earning a higher ranking each year.

William Brown, Wright-Pierce President and CEO, attributes the company's continued growth to "our track record of helping our clients solve their infrastructure challenges in the most reliable and affordable manner. We understand the financial challenges our clients face, and we have successfully used our expertise to develop sustainable solutions."



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Join the CTAWWA Young Professionals

There's nothing better than meeting and getting to know other young people who are working in the Connecticut water supply industry. Here's a place to make new friends, develop contacts, exchange ideas and go out together for some fun and relaxation.

The Young Professionals (age 35 and under) meet monthly after work. Many parts of the water supply industry in Connecticut are represented including engineering firms, consultants, suppliers and small and large water companies.

If you are unsure about membership, we would invite you to attend a meeting or two. CTAWWA membership is encouraged to continue participating.

If you'd like to learn about others' ideas and work experiences, widen your circle of friends within the water supply industry and have some fun doing it, the CTAWWA Young Professionals is for you. We look forward to getting to know you!



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Tiffany Lufkin (tlufkin@rwater.com)



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CtWARN, Connecticut's Water/WasteWater Agency Response Network, is comprised of utilities who provide mutual assistance to each other during emergencies through increased planning, coordination and enhanced access to specialized resources to enable rapid, short-term deployment of emergency services to restore critical operations of the affected utility.

Previously, membership was limited to water and wastewater utilities in Connecticut. Now, Associate Members are welcome, too.

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