

Winter 2008

# InFlow-Line

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



## **CWWA SETS 2008 LEGISLATIVE AFFAIRS AGENDA**

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Complete vendor, course and program information begins on page 13.

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## FROM THE CT AWWA Chair:



By the time you read this InFlow-Line, the Holidays will be over and your New Year's resolutions will be in full swing. It is my hope that you all had a safe and enjoyable holiday season and are looking forward to a busy and productive year in 2008. It is my wish that your resolutions include staying involved with the Connecticut

Section or becoming an active participant or volunteer in Connecticut Section activities and committees. Besides committees, we have many opportunities for participation including writing an article for InFlow-Line or perhaps being a presenter at one of our conferences. You may even wish to serve on the Board of Trustees. Whatever you choose to do, I know you will enjoy your experience and benefit from becoming a volunteer. If you are interested in participating or just wish to share your ideas, please contact me, Pam Monahan or Rob Olejarczyk, Co-Chairs of the Membership Committee.

Our fall education program was an overall success due to the work by the Education Committee Co-Chaired by Ronnie Fields and Jennifer Muir. We have met our planning goals of increasing our section course and seminar offerings. Be sure to review the spring course offerings and upcoming events. Congratulations to Ronnie and Jen and the Education Committee for their accomplishments. Also, the Education Committee has been active in preparing to gain approval from the International Association for Continuing Education and Training (IACET) for the CT Section to become an authorized Continuing Education Unit (CEU) provider. This is an important accreditation program that will enhance our ability to provide certified continuing education programs to our members.

The two Mutual Aid Workshops by Connecticut's Water/Wastewater Agency Response Network (CtWARN) were held this November 8th in Prospect and November 15

in Hartford. They were attended by more than 165 interested participants. Our thanks go to the Steering Committee, especially our CT Section Vice Chair, Tom Chaplik, and the many sponsors and speakers that participated including Mark Grace and Kevin Morley from AWWA. The CT Section has partnered with the State Department of Public Health and the State Office of Emergency Management under funding by the Environmental Protection Agency to develop and maintain a CtWARN website for administering this important volunteer mutual aid emergency response program. The website is found at [www.CtWARN.org](http://www.CtWARN.org) and you can download the mutual aid agreement for your utility use. As utilities join the program, they will be able to post their mutual aid resource lists and contact information on a secure portion of the website. This should be available by early 2008 through the efforts of Dave Kuzminski and the Website Committee.

On the AWWA national front, the AWWA announced in December that effective January 1, 2008, there will be a new Regional Realignment of the AWWA Sections. Included in our Region 1 are Connecticut, NEWWA, Pennsylvania, New York, Atlantic Canada, Quebec, Chesapeake and New Jersey. Our AWWA Section Service Representative will again be Gary Sullivan.

A reminder, the 37th Annual Joint Conference with CTAWWA and CWWA is set for May 21-23, 2008 to be held at the Chatham Bars Inn in Chatham, MA on Cape Cod. Planning has been ongoing and the program is filling up fast. Be sure to register early so you don't miss out on this opportunity to visit one of the finest conference sites we have used. The CT Section hasn't been to this location since 1991.

Kevin T. Walsh, P.E.  
Chair, CTAWWA  
[kwash@ctwater.com](mailto:kwash@ctwater.com)



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Layout and Art Direction: Darci D'Aleo of D'Aleo Design

Direct editorial and advertising inquiries to  
Bill Large, Editor  
Large & Page Communications, Inc.  
242 Newbury Street, Hartford, CT 06114-2234  
(860) 956-9500  
[awwa@largeandpage.com](mailto:awwa@largeandpage.com)

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Cover photo: Connecticut's Capitol building just before the start of the 2008 legislative session. CWWA has set an ambitious legislative agenda for this session. It is detailed on Page 6.

# The 2008 Legislative Session

**W**hat do hovering helicopters have to do with CWWA and the legislative process? Hovering helicopters are just one of several issues CWWA will be trying to address when the legislature convenes on February 6.

CWWA's Legislative Committee, comprised of municipal water departments, investor-owned utilities and regional water authorities, held two planning sessions this fall to discuss issues and outline recommendations to include in our 2008 Government Affairs agenda. These recommendations try to address problems identified by CWWA members regarding laws or regulations that need to be revised or new laws that need to be adopted.

**Our officers reflect each form of utility ownership to ensure that (CWWA) represent the interests of all of our members.**  
– Mark Decker

For example, the Metropolitan District raised a concern regarding recent incidents involving aircraft and their reservoirs. One incident, which was spotted by MDC's security cameras, involved a pontoon plane landing on one of their reservoirs in West Hartford. Also observed was what appeared to be someone pouring something into the reservoir. The plane then took off before authorities could question them. The reservoir, which supplies water to eight local towns, was immediately taken off-line while authorities investigated.

Clearly, in this post 9/11 world, this incident caused a very real security scare. In addition to MDC police, various local, state and federal agencies were called in, including the state Department of Homeland Security, the Connecticut State Police, the state Department of Public Health and local police. When authorities finally caught up with the aircraft in another state, it was determined that the pilot had stopped to refuel, an activity which also poses concerns for water quality. Although testing concluded that the water was safe and the reservoir was soon placed back into service, the amount of time and resources expended to thoroughly investigate the incident was tremendous – and costly.

CWWA discussed the issue at its first planning meeting and then researched the current law. Under current law, an aircraft is prohibited from landing on a reservoir. However, individuals who violate the law are not subject to any fines or penalties. Nor are they required to reimburse the town, utility or state for the costs associated with responding to a security breach.

In addition, the MDC has experienced problems with helicopters hovering over the reservoir, which also pose a security concern. Although the current law prohibits aircraft

from landing on a reservoir, it is silent regarding hovering helicopters. An easy fix? Issues like this, which involve state and federal laws and regulations, are never truly easy. But CWWA will review the state and federal laws, meet with legislators and regulators and work to address this issue.

The CT Section AWWA Committees also bring issues to CWWA's attention. Last year, CWWA was successful in addressing a concern regarding contaminated wells and cross connection issues with public water supplies, which was raised by the CT Section AWWA Cross Connections Committee. This year, the committee is looking to expand on last year's legislation by requiring greater notification to water companies regarding the installation of irrigation and fire sprinklers or any change of use that may create cross connection contamination issues.

"Finding legislative and regulatory solutions to the issues facing the water industry is a lot of work, but the benefits to the industry are tremendous," Mark Decker, CWWA President, said. "Other states that don't have a lobbying arm like CWWA are becoming swamped with unworkable laws and regulations and no way to address them. Working together, with the input of members and our Executive Director, who is also a registered lobbyist, we have been enormously successful in shaping policies that benefit our customers, the industry and the state's water resources."

"CWWA's Legislative Committee Officers play a vital role in developing and implementing CWWA's Legislative & Regulatory Agenda," Decker added. "Our officers reflect each form of utility ownership to ensure that we represent the interests of all of our members. This year, Carlene Kulisch representing the Regional Water Authority, Maureen Westbrook of Connecticut Water and Guy Russo of Middletown Water & Sewer are serving as our Legislative Committee Officers."

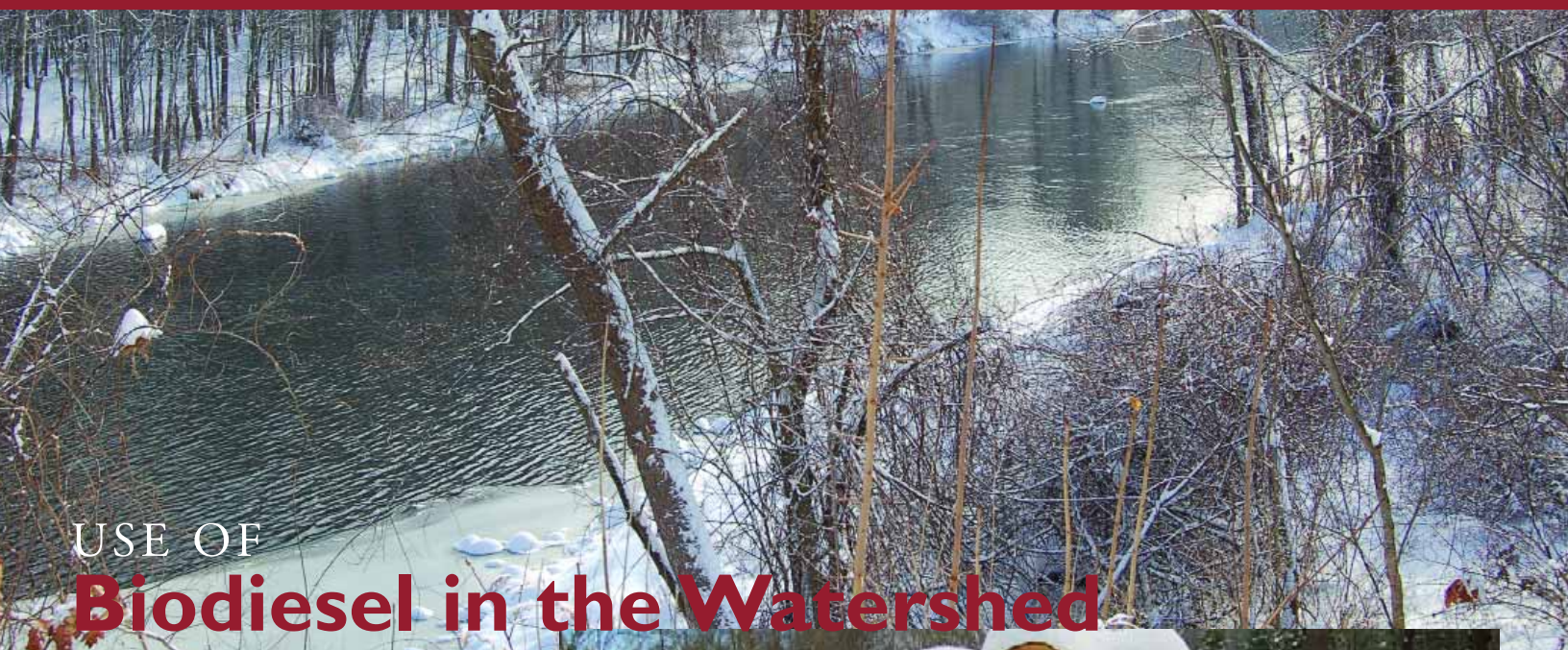
CWWA's 2008 Government Affairs Agenda is included in this issue of InFlow-Line for your review.

CWWA's success at the state Capitol and before state agencies is directly attributable to the involvement of its members. Working together as an association, CWWA commands the attention of lawmakers and public officials. How can you get involved?

One of the simplest ways to get involved is to know who your legislators are and respond to legislative alerts that request that you contact your legislators and let them know how a proposed bill would impact your ability to serve your customers and operate efficiently. If a legislator gets three or four calls from constituents regarding how a proposal affects them, that legislator pays attention.

If you are a member of CWWA and are interested in getting more involved, please call CWWA at 860-547-0566. Together, we can make a difference! 💧





## USE OF **Biodiesel in the Watershed**

**L**ogging anywhere is a difficult and sometimes risky business, but logging in a public water supply watershed is particularly challenging. Water utilities spend a lot of time and effort designating individual trees to be harvested according to a watershed improvement plan to maintain and improve the health of the forest and protect water quality. They strive to encourage the growth of healthy trees for decades to come. They don't like the soils to be rutted by heavy equipment during the cutting or the remaining trees to be damaged.

One particular logger who has been very successful at logging on public water supply land is John Noack of J&K Logging in Hartland, CT. For the past 20 years, Noack has often been the successful bidder on timber sale contracts on the MDC's 25,000 acres of managed watershed property. He has invested in sophisticated logging equipment that is made in Sweden for John Deere. Although he admittedly works seven days a week in even the worst weather conditions, he obviously relishes his work. He also knows and respects the watershed's importance.

Noack's operation consists of a harvester, forwarder, log truck and a skidder which are powered by expensive



*Precision logging. After the trees are harvested, they are cut to specific lengths, sorted and piled near the roadway in preparation for transport to the mill.*

Cummins diesel engines. While diesels are up to 20% more efficient than gasoline powered engines, diesel exhaust contains particulate matter (seen as black soot) and fairly substantial amounts of carbon monoxide and unburned hydrocarbons. However, for the equipment that Noack operates, there is really no alternative to diesel power.

A few months ago, John Noack attended a class that was needed to maintain his state license as a Connecticut Certified forest practitioner.

One session focused on biodiesel and he said that as he listened to what was involved in making your own biodiesel fuel, he immediately thought, "That's what I am going to do!"

### **But what is biodiesel, anyway?**

Conventional diesel fuel – often called petrodiesel – is refined from petroleum using the same refining techniques used to make gasoline and lubricating oil. Biodiesel is 80% vegetable oil and 20% methanol. Most of what is



normally called vegetable oil is actually canola, sunflower or soybean oil, all of which are major American crops. Biodiesel is non-toxic, completely biodegradable and because it has a higher flash point, is much safer to store than ordinary diesel fuel. Biodiesel also has greater lubricating properties than petrodiesel, so diesel engines run more efficiently and are quieter. Biodiesel can be used in virtually any equipment designed to burn #2 diesel fuel and can even be used in home furnaces.

Biodiesel has recently been getting attention in the press since it has the potential to reduce our dependence on imported oil and can probably be manufactured at prices that are on a par with conventional diesel fuel. However, there are supply issues associated with biodiesel, since there isn't a nationwide infrastructure available to produce and distribute it in the quantities needed to make it a universal replacement for petroleum-based diesel fuel quite yet.

### Finding vegetable oil

Convinced that biodiesel was an excellent alternative fuel for his logging equipment, John Noack purchased a FuelMeister Production System from New England Biodiesel Equipment & Supplies. The FuelMeister device would allow him to produce up to 80 gallons of biodiesel fuel per day. The methanol he'd need was readily available, since it is used as fuel in race cars. He could also buy fresh vegetable oil in bulk but the price made that unattractive. The solution recommended by FuelMeister was to obtain used vegetable oil, although finding enough of it locally took a little work.

It is estimated that the U.S produces more than three billion gallons of used vegetable oil annually, most of it a byproduct of producing fried foods. Noack found that most restaurants were actually paying to have their used cooking oil removed. Amazingly, most chain restaurants wouldn't allow him to take their used oil for free because they

didn't have the authority to change what was for them a standard practice mandated by the parent company. Eventually, he did find a sufficient number of local restaurants who would allow him to visit regularly and pump out their used oil storage containers.

"Setting up the relationships did take a little time and yes, I do have to maintain a regular pickup route and schedule, but once I began producing my own fuel, I could see that the extra work was worth it," said Noack during a recent interview.

That interview took place courtesy of MDC Forestry Technician Lisa Smith on a bright but sub-freezing day deep in the MDC's watershed forest in Barkhamsted, CT where Noack was harvesting in a stand of white pine. Smith has been following and encouraging Noack's conversion to 100% biodegradable biodiesel since she would much prefer not to worry about the potential for a fuel spill near the drinking water supply. In fact, with all the benefits of a locally produced fuel that is less polluting she has switched to a biodiesel mix in her own home furnace.

Noack mounted his Timberjack forwarder that is used to carry the freshly cut logs out to the roadway. The forwarder hadn't been used that day and the temperature was hovering around 20 degrees. The diesel engine started immediately and then idled without any of the smoke normally associated with cold diesel engines. It was also remarkably quiet for an engine of that size.

Noack explained that he was making and using about 300 gallons of biodiesel fuel per week at a cost per gallon close to that of petrodiesel. "It's time consuming



*John Noack's TimberJack Forwarder. The diesel engine had been cold-started less than five minutes before this photo was taken. While there was no smoke, there was a faint and not unpleasant odor of food cooking.*

because I have to collect at least that much used vegetable oil each week and then process it into biodiesel at night after work," he said. "But," he continued, "I'm getting at least a 50% reduction in harmful emissions and my equipment will last longer and need less maintenance."

John Noack is a thoughtful man who really believes that the forests he helps maintain should be protected in every way possible. His commitment to use energy that comes from a naturally growing renewable crop, despite all of the extra work involved, is an example of that.

"Besides," Noack says gesturing out at the snow covered forest, "it's just the right thing to do." ♡

# 2008

## Government Affairs Agenda



### Infrastructure

- Work with the Water Planning Council to adopt regulations requiring utilities to implement Best Management Practices regarding infrastructure replacement and asset management.
- Implement a reasonable and cost-effective regulatory process to allow DPUC-regulated companies to utilize the Water Infrastructure Conservation Adjustment to facilitate infrastructure improvements.
- Improve the Water Supply Planning process to better guide infrastructure asset management and modify the timeframes for submittal.

### Watershed/Land Protection

- Support the recommendations of the Responsible Growth Task Force that will provide greater protection for watershed lands and water supplies.
- Encourage the state Bond Commission to allocate funds for the state's Open Space & Watershed Acquisition program to assist water companies and other entities in securing open space and preserving watershed and aquifer lands.
- Strengthen the role of the state Department of Public Health and water companies in the local zoning process to ensure that towns and cities respond to the potential impact of proposed development on watershed lands.

### Streamflow

- Work with the state Departments of Environmental Protection and Public Health to draft state Streamflow regulations that include the following components:
  - Based on good science;
  - Rigorously tested relative to their impact on public water supplies prior to adoption;
  - Maintain water companies' ability to provide sufficient quantities of water for public water supply purposes, now and in the future;
- Ensure that the regulations are designed so that the vast majority of public waters suppliers are able to comply without having to develop costly and untenable flow management plans in order to achieve compliance;
- Limited to surface water impoundments and new ground-water sources but not applied to existing groundwater withdrawals.
- Oppose efforts to inappropriately apply streamflow release criteria or other flow management requirements as a condition of the DEP permitting process, when such conditions are inconsistent with streamflow regulations or stated diversion policy act goals.

### Water Resources Allocation

- Support the efforts of the Institute for Water Resources at the University of Connecticut to conduct basin planning and the analysis of the data and processes needed to develop a comprehensive water allocation planning model for Connecticut.
- Continue to support efforts to move toward a comprehensive water allocation plan for Connecticut by ensuring that the Office of Policy & Management completes the study of water resources planning activities required pursuant to Public Act 07-4 (Special Session).
- Protect public health, safety and economic development by maintaining the rights of water companies to use registered water diversions to meet customer needs.

### Water Use Restrictions

- Encourage municipalities to adopt a model water use restriction ordinance which identifies minimum water use restrictions and enforcement procedures to be used during periods of drought and other water supply emergencies.
- Authorize municipalities to enforce water use restrictions.
- Require automatic sprinklers to be equipped with moisture sensor detectors.

### Security

- Safeguard Connecticut's water supplies by ensuring that state agencies adhere to laws that protect security-related information from disclosure.
- Revise the existing prohibition on landing aircraft on reservoirs to include enforcement mechanisms and address hovering helicopters.

### Cross Connections

- Increase protection against contamination from cross connections by providing greater notification to water companies regarding the installation of irrigation and fire sprinklers and other apparatus or change of use that may create cross connection contamination issues.
- Allow utilities to terminate service if a cross connection is discovered and not remedied in a timely manner.

### Municipal Reporting

- Simplify and review the timing for the annual requirement for municipal water departments to report to the DPUC, which is unnecessary and overly burdensome. 💧



# Moving Up ...

## Nicholas A. Rinaldi Named Controller at Connecticut Water

Nicholas A. Rinaldi has been named controller at Connecticut Water Service, Inc. responsible for all of the company's accounting, taxes, financial reporting and purchasing activities. He most recently served as the controller for Iroquois Gas Transmission System in Shelton, Conn., and has worked in utility-industry accounting since 1982.

Prior to his position at Iroquois, Rinaldi served as the controller for Yankee Energy System at Northeast Utilities (NU) in Berlin and eventually Yankee Gas in Meriden upon its then divestiture from NU in 1988. Rinaldi served as a member of the American Gas Association's Chief Accounting Officer's committee and served as the former chairman of the Northeast Gas Association's Financial and Administrative Division.

A resident of Southington, Rinaldi earned a Bachelor of Science degree in Accounting from Central Connecticut State University and a master of Business Administration degree in Finance from the University of Hartford.

## Tighe & Bond Promotes Five to Associate and Names New GIS Director

Rebecca Sherer is a civil engineer with extensive experience managing projects for both public and private clients, with specialized expertise planning and permitting alternative power generation systems in the energy industry. Her project experience includes site development, water and sewer utilities, stormwater management, and infrastructure planning and design.

Joe Balskus is a registered professional engineer in Connecticut and a nationally certified Professional Traffic Operations Engineer. He has been a transportation innovator for more than 18 years, managing the technical aspects of transportation and land development projects for corporate, institutional, government and casino clientele.

Paul Beaulieu is an environmental protection specialist with a detailed knowledge of both site assessment and wetlands science and state and federal wetlands regulations. He has been with Tighe & Bond for 20 years, starting off in the laboratory as an environmental analyst before becoming the firm's primary wetlands specialist for several years while also pursuing a dual track as a Licensed Site Professional.

Paul Bennett joined Tighe & Bond as the firm's first Director of Human Resources. He is a certified Senior Professional in Human Resources and has significant experience in a wide variety of disciplines including employee relations, talent acquisition, performance management, compensation, training and organizational development.

John McClellan is an environmental modeling specialist who joined Tighe & Bond after completing his doctorate in environmental engineering at the University of Massachusetts at Amherst. He has done extensive work in computer modeling of chemical reactions and transport in environmental systems.

Ric Skinner has joined Tighe & Bond as Director of Geographic Information Systems. He is a Certified GIS Professional with more than 20 years of experience in the application of GIS at electric utilities, in environmental engineering, with state health departments, large hospitals and healthcare systems. 💧



Joe Balskus




Paul Beaulieu



Paul Bennett




Ric Skinner

  
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# CWWA President's Corner



CWWA has been hard at work revising its draft 2008 Government Affairs Agenda, developing survey tools to guide us in identifying legislative priorities and in updating our strategic plan to better meet the needs of our members and supporters.

One area that we have targeted in our strategic plan is gaining visibility for CWWA and the water industry in the media. To that end, we recently had an op-ed published in the New Haven Register highlighting the need for a comprehensive water allocation plan for Connecticut. We

**We have received a lot of positive feedback from lawmakers and public officials on the op-ed (that appeared in the New Haven Register).**

have received a lot of positive feedback from lawmakers and public officials on the op-ed. We will also be preparing media kits for the press to let them know that CWWA is a resource for articles and features on water resource issues.

On December 7, CWWA's Board of Directors approved the 2008 Government Affairs Agenda. The following legislative and regulatory recommendations were identified as top priorities:

- **Water Allocation** – Support efforts to move forward with a comprehensive water allocation plan by supporting basin planning studies and the long-range planning efforts of the Water Planning Council and Office of Policy and Management.
- **Infrastructure** – Work with the Water Planning council to adopt regulations requiring utilities to implement Best Management Practices regarding infrastructure replacement and asset management.
- **Watershed/Land Protection** – Support efforts to protect watershed lands needed for source water protection purposes.
- **Streamflow** – Work with the Departments of Environmental Protection and Public Health to ensure that revisions to the state Streamflow regulations are based on good science, are rigorously tested and maintain water companies' ability to provide a sufficient quantity of water for public water supply purposes, now and in the future.
- **Water Use Restrictions** – Encourage the adoption of a model ordinance which identifies minimum water use restrictions and enforcement procedures to be used during periods of drought and other water supply emergencies.
- **Security** – Revise the existing prohibition on landing aircraft on reservoirs to include enforcement mechanisms and address hovering helicopters.
- **Cross Connections** – Further strengthen laws to protect water quality from potential cross connection issues.


Mark Decker  
President, CWWA

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## **Connecticut Section AWWA Associates Committee Scholarship Program**

Thanks to the generosity of the Associates Committee and  
especially the Section Enhancers

Applications are now being accepted for the CT Section AWWA Associates Committee Scholarship program, from CT Section AWWA members or their children, who have not previously been awarded a CT Section AWWA scholarship. High School seniors and students currently enrolled in an education program beyond the secondary level are eligible.

Awards will be based on academic performance, participation in school and community activities, application completeness and autobiographical sketch.


To be considered for this year's award, applications must be received by March 31, 2008.

Applicants must submit a completed application form, high school or college transcript, and a typed autobiographical sketch highlighting 1) accomplishments, interests, hobbies and future plans, 2) reasons for applying for the scholarship, and 3) relationship to the Connecticut Section AWWA.


For an application and additional information, please visit [www.ctawwa.org](http://www.ctawwa.org)

Completed applications should be returned to:

Associates Committee Scholarship Program  
c/o Robert Tedeschi, PE  
CDM  
100 Great Meadow Road  
Suite 104  
Wethersfield, CT 06109



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**CWWA**  
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Working for Quality Water

**CWWA Contact Information**  
Betsy Gara, Executive Director  
25 Capitol Avenue, Hartford CT 06106  
(860) 547-0566  
[gara@elizabethgara.com](mailto:gara@elizabethgara.com)

# CT SECTION AWWA

## Associates Committee Scholarship Application

### Personal Data

Name: Last \_\_\_\_\_ First \_\_\_\_\_ Middle Initial: \_\_\_\_\_  
 Permanent Home Address: \_\_\_\_\_  
 Phone Number: ( ) \_\_\_\_\_ Email Address: \_\_\_\_\_  
 CTAWWA Relationship: (Name) \_\_\_\_\_ Relationship: \_\_\_\_\_

### Academic Data

#### High School Data

High School: \_\_\_\_\_ Graduation Year: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_  
 Class Rank \_\_\_\_\_ of \_\_\_\_\_

#### College Data

Plan to attend: \_\_\_\_\_ Currently attend: \_\_\_\_\_  
 Type of school: ☐ 2 Year ☐ 4 Year ☐ Graduate ☐ Other  
 Major: \_\_\_\_\_ Anticipated Graduation Year: \_\_\_\_\_

### Employment History (past two years)

(1) Name of Employer: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Type of Job: \_\_\_\_\_  
 Dates of Employment: from \_\_\_\_\_ to \_\_\_\_\_ Average no. of hours per week: \_\_\_\_\_  
 (2) Name of Employer: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Type of Job: \_\_\_\_\_  
 Dates of Employment: from \_\_\_\_\_ to \_\_\_\_\_ Average no. of hours per week: \_\_\_\_\_

### Extracurricular Activities

#### School

*Describe up to four school activities (clubs, sports, etc.) that are most significant to you that you have participated in during the past two years.*

Name of Activity	Leadership Position	Year(s)



## Community

*Describe up to four community activities (community service, volunteerism, etc.) that are most significant to you that you have participated in during the past two years.*

Name of Activity	Year(s)

Academic awards or honors received: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Applicant's Signature

Date

In addition to the completed questionnaire, a complete application **MUST** include:

- **A transcript of your high school record and college record, if applicable**
- **A typed and signed autobiographical sketch highlighting:  
Your accomplishments, interests, hobbies, future plans, and the name of the last book you read, why you read it, and its significance to you.**
- **Identify a person (not a relative) who has most influenced you and explain why.**
- **Identify any special circumstances that you wish to be considered that may distinguish you from other applicants. These may include but are not limited to obstacles you have overcome, academic goals, interests, advancements, financial constraints, etc.**

Scholarships may vary in amount and will be awarded to high school seniors or candidates currently enrolled in an educational program beyond the secondary level who are directly related to a member of the Connecticut Section AWWA. Students who have received a CT Section AWWA Enhancer Scholarship in a prior year are **NOT** eligible [Awards will be based on academic performance, participation in school and community activities, application completeness and your autobiographical sketch.] The scholarship award winners will be announced in May at the section joint annual meeting with the Connecticut Water Works Association.

If there are any questions about the process, please contact the Associates Committee Chair, Robert Tedeschi, at 860-808-2266, [tedeschirg@cdm.com](mailto:tedeschirg@cdm.com)

To be considered for this year's award, applications must be received by end of business, Monday, March 31, 2008, at the office of the Chair of the CT Section AWWA Associates Committee.

**BE SURE TO MARK THE ENVELOPE: "CT Section AWWA Scholarship Application"**

Completed applications **MUST** be directed to:

Associates Committee Scholarship Program  
c/o Robert Tedeschi, PE  
CDM  
100 Great Meadow Road  
Suite 104  
Wethersfield, CT 06109

## ELECTION OF SECTION OFFICERS

Submitted by Kathy Fortin, CTAWWA Secretary

Listed below is the proposed 2008-2009 slate of Officers for the Connecticut Section AWWA:

Chair	One Year Term	Tom Chaplik
Vice Chair	One Year Term	John Herlihy
Past Chair (a)	One Year Term	Kevin Walsh
Secretary	One Year Term	Kathy Fortin
Treasurer	One Year Term	Kevin Barber
2nd Year Trustee (b)	2nd of a	
	Two Year Term	Bill Kennedy
1st Year Trustee	Two Year Term	Jack Keefe
National Director (c)	Three Year Term	Chris Bogucki

(a) Automatic appointment; no vote required

(b) Serving the 2nd of a two-year term; no vote required

(c) Serving the 2nd of a three-year term; no vote required

Article VII and VIII of the Section's By-laws govern the election and nominations process and may be viewed at our web site, [www.ctawwa.org](http://www.ctawwa.org) (select "About Us" and "Standard Practice Manual"). Any questions may be directed to Kathy Fortin at South Norwalk Electric and Water, 164 Old Boston Road, Wilton, CT 06897, or e-mail to [kfortin@snew.org](mailto:kfortin@snew.org)

If no further nominations are received by April 20, 2008, I will cast a ballot for the above slate and issue a notice to the membership via the next available issue of InFlow-Line.

## Other Board Positions for 2008-2009

Trustee at Large	Ray Baral
Trustee at Large	Don Iannicelli
Administrative & Policy Council Chair	Rob Olejarczyk
Associates Council Chair	Leonard Assard
Education & Public Affairs Council Chair	Steve Melanson
Technical & Standards Council Chair	Cindy Gaudino
Water Utility Council Chair	John Herlihy

Officers of the Board have voted to approve the Other Board Positions whose terms shall begin at the annual meeting in May.

### Want to be recognized by Connecticut's Drinking Water Professionals?

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Now with a circulation of 2,500 each quarter, InFlow-Line is mailed directly to the members of CT Section AWWA and CWWA. It's the ideal place for your company's message if the water industry is important you.

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email [awwa@largeandpage.com](mailto:awwa@largeandpage.com)

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American Water Works and the  
Connecticut Water Works Associations

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### CT-AWWA Contact Information

Pamela A. Monahan  
Executive Manager  
72 Rockland Avenue  
Waterbury CT 06708  
(203) 757-1855  
[ctawwa@snet.net](mailto:ctawwa@snet.net)



# ATCAVE 2008: Meet the Decision Makers

## Annual Technical Conference and Vendor Expo

### Connecticut Section—American Water Works Association

February 26, 2008, at the Crowne Plaza, Cromwell, Exit 21 on I-91

Get the most out of ATCAVE 2008 and earn educational credits!

Select from 8 informative sessions.

Expanded hours to visit vendors.

See the training registration form at the end of this section to sign up.

**Notes:** Sessions A and B are geared to Treatment; Sessions C & D are geared to Distribution, Sessions E, F, G and H are both Treatment and Distribution.

#### Cost of Sessions:

The cost of each session is \$75.00 which includes lunch and materials. If you sign up for two sessions (one morning and one afternoon), the cost is only \$100.00, a savings of \$50.00. The cost of Session E, CTWARN, is free to all attendees through an EPA Grant. The sessions offered by the Connecticut Department of Public Health are free to small system operators and local health officials through a program with the CT DPH and EPA. Others are also welcome to attend these sessions at the cost of \$75.00 each or two for \$100, which includes lunch and material.

#### Session A

2 T.C.H.\* (.2 CEU) Treatment

8:30 AM to 10:30 AM

##### Optimizing Land Assets for Source Water Protection

John Hudak, Regional Water Authority  
The South Central Connecticut Regional Water Authority owns over 26,000 acres of land, the vast majority of which is held for source water protection purposes. This presentation will summarize the Authority's source water protection program and plans for investing future proceeds from the sale of Class III lands towards the acquisition of additional water supply watershed lands.

##### Angled Intake Technology for Surface Water Filtration

Gary Smith PE., Wright-Pierce  
Bank infiltration technology can provide substantial financial savings when compared to direct surface water intakes. Several case studies will examine the application of subsurface intake technology to provide high quality naturally filtered surface water for water treatment facilities in New England and California.

#### Session B

2 T.C.H.\* (.2 CEU) Treatment

1:00 PM to 3:00 PM

##### Water Quality & Monitoring Compliance

Chris Roy, CT Department of Public Health, Drinking Water Section

The year in review and helpful compliance tips for all size utilities

##### Strategic Water Supply Planning: Realizing Long-Term Goals

Eric Muir, Malcolm Pirni

The City of New London's Water Supply Plan determined that the most critical factor of New London's water supply system is the margin of safety of the systems existing safe yield. To assist the City with planning for future demand projections a model of the existing surface water supply system was developed to produce an estimate of its raw water safe yield capacity as well as incremental benefits that could be obtained through certain system improvements. Several combinations and variations were analyzed to come up with improvements that optimized safe yield, were cost effective and practical to implement.

#### Session C

2 T.C.H.\* (.2 CEU) Distribution

9:00 AM to 11:00 AM

##### Water Storage Tank Inspections

Peter J. Grabowski, Tighe & Bond

The Bristol Water Department (BWD) recently completed a thorough water storage tank inspection program to ensure tank integrity and the delivery of potable water to its customers. This presentation will focus on the following aspects of the tank inspections: advantages and disadvantages of using a remote operated vehicle during inspections; water sampling and analyses before and after inspection; inspection considerations with respect to Department of Public Health and OSHA guidelines; and prioritization of recommended improvements.

##### Pressure Management as a Recognized Method of Leakage Control

Fred Haines, Harper International, Inc.

Studies have shown that significant savings in nonrevenue water and total consumption can be realized through pressure management. Pressure management allows a system to obtain its greatest efficiency without spending additional funds on increased production. Pressure management is the key to the future. Utilizing this key will allow water distribution systems to provide quality service to its customers throughout the new millennium.

##### Temporary Water Systems for Water Main Rehabilitation and Replacement Projects

Leonard J. Assard, PE., Heitkamp, Inc.

Temporary water systems have been used for many years in water main rehabilitation and replacement projects. These systems allow for the uninterrupted supply of safe drinking water and fire protection for residential, commercial and industrial consumers during maintenance and construction projects. The use of temporary water systems allows a water utility the time and flexibility to perform complete rehabilitation and replacement projects since its consumers have a safe and reliable source of water. Changing materials of construction have made it easier to install and maintain these systems in a manner that is convenient to consumers. This will be a discussion of how temporary water systems are installed and maintained for various size users, from large volume water consumers in busy downtown areas to sparsely populated residential areas.

## Session D

2 T.C.H.\* (.2 CEU) Distribution

1:30 PM to 3:30 PM

### The National 240 Billion \$\$ Question

Cam Walden, Supervising Sanitary Engineer, CT Department of Public Health, Drinking Water Section

Asset management is an integral and critical component for long-term sustainability of drinking water infrastructure. It is the foundation on which capital improvements are planned and vital for managers when preparing budgets and establishing appropriate water rate structure. Financing capital improvements through the Drinking Water State Revolving Fund will also be presented.

### Maintaining Disinfection Residuals in Tanks

Mike Duer, P.E., Red Valve Company, Inc., Tideflex Technologies Division

Computational Fluid Dynamics (CFD) and physical scale modeling results are utilized to illustrate short-circuiting and mixing characteristics of water storage tanks. The problems associated with single inlet and outlet pipes in the four common styles of tanks are discussed as well as how these problems are solved with a passive duckbill valve manifold system. The system has been well-validated and several "before and after" case studies are presented.

## Session E

2.5 T.C.H.\* (.25 CEU) Treatment & Distribution

9:00 AM to 11:30 AM

### CtWARN Training

Tom Chaplik, RWA, Chair, CtWARN and others

A Water and Wastewater Agency Response Network (WARN) is a network of utilities helping other utilities to respond to and recover from emergencies. This course is an overall primer in the CtWARN which was established November 7, 2007. Learn the history, review the state mutual aid agreement, and get status of the CtWARN from the Horsley Witten Group, US EPA Region I, CT DPH, CT DPUC and DEMHS.

## Session F

CT Department of Public Health,  
Drinking Water Section

2.5 T.C.H.\* (.25 CEU) Treatment & Distribution

8:30 AM to 11:30 AM

### Essential Forms for Project Submittals

Sara Ramsbottom, P.E.

A brief overview of forms which need to be submitted with different types of projects.

### Taking Stock of Your Water System

Sara Ramsbottom, P.E.

How old are your water system components compared to their projected useful life?

### Water Quality and Monitoring Compliance

Christopher Roy

The year in review and helpful compliance tips for systems of all sizes.

### Working with Operators to improve compliance:

William Sullivan

Common avoidable violations and how they are tracked.

### Question and Answer periods included in presentations.

An opportunity to ask questions and for speakers to elaborate on necessary items.

## Session G

CT Department of Public Health,  
Drinking Water Section

2.0 T.C.H.\* (.2 CEU) Treatment & Distribution

1:30 PM to 3:45 PM

### Security and Emergency Response: It's 10 o'clock PM. Do you know if your water system is secure?

David Cooley, P.E.

An overview of recent security and other emergency events and tips on proper notification and how to harden potential targets.

### Getting Ready for the Groundwater Rule

Eric McPhee and Lori Mathieu

An overview of the Groundwater Rule and its anticipated impacts on systems of all sizes which utilize groundwater from a Compliance and Source Protection perspective. This session provides a preview of the full-day CTAWWA class offered on June 4, 2007.

Question and Answer opportunities will be provided.

## Session H

CT Department of Public Health,  
Drinking Water Section

Concurrent Track for Local Health  
Directors and Operators

2.0 T.C.H.\* (.20 CEU) Treatment & Distribution

Application for 3 Food Contact Hours is pending  
1:00 PM to 3:30 PM

### Useful web-based tools and tour of the new Local Health portion of the Drinking Water Section website

Eric McPhee

### Wells at Food Service Establishments (Transient Non-Community Public Water Systems) and Enforcement Actions for Total Coliform Bacteria Violations

Eric McPhee

### An Overview of Cross-Connection Issues at Food Service Establishments

Joseph Higgins

Question and Answer periods included in presentations.

An opportunity to ask questions and for speakers to elaborate on necessary items.

## Vendor Expo

9:30 AM – 4:00 PM

Location: Grand Ballroom

The 2008 Vendor Expo is your chance to see the latest in techniques and equipment from dozens of vendors and specialists to the drinking water industry. For many attendees, the knowledge gained and the contacts made at the vendor expo make attendance at ATCAVE extra valuable. Free Admission.

## Product Demonstrations

Product demonstrations are held throughout the day.

## General Expo Luncheon

11:30 AM – 1:30 PM

Individual tickets available for \$25.00

## "Fresh Ideas"

Presented by the Young Professionals Committee  
1:30 PM – 3:00 PM

Welcome back Fresh Ideas to ATCAVE 2008!

The program is open to professionals under age 35 or those new to the water industry. Presenters will be judged, and the author of the best paper will receive \$300 toward the expenses of traveling to the annual conference. The Young Professionals Committee is grateful to the Associates Committee for the sponsoring of this event.

Hear the best and the brightest young professionals in the drinking water industry in a judged contest.

## Careers in Water — Networking

3:00 PM – 5:00 PM

Noel Grant, RWA, Moderator

CTAWWA brings together professionals in the Connecticut water industry to share their stories, mix and mingle, and celebrate.

(Please note that all programs are subject to change)

\*Application for T.C.H credit is pending





**ATCAVE Technical Training Registration Form**  
Annual Technical Conference and Vendor Expo, Connecticut Section—AWWA  
February 26, 2008, Crowne Plaza, Cromwell, CT

Name:	Phone:	
Street Address:		
City:	ST:	ZIP:
Company / Organization:		
Email address:		

- Instructions:**
- 1) Fill out upper selection, including company name / organization, phone number and email address.
  - 2) Select desired sessions. Please be sure to check ALL boxes for each selection.
  - 3) Return to address listed below with appropriate payment.

**CTAWWA Offerings:** Lunch is included. Select a morning and an afternoon session and pay only \$100.00 for both (including lunch)

Session	Topics	Time	Price	Selection
A	<ul style="list-style-type: none"><li>Optimizing Land Assets</li><li>Angled Intake Technology</li></ul>	8:30 am to 10:30 am	\$75.00	<input type="checkbox"/>
C	<ul style="list-style-type: none"><li>Water Storage Tank Inspections</li><li>Pressure Management / Leak Control</li></ul>	9:00 am to 11:00 am	\$75.00	<input type="checkbox"/>
B	<ul style="list-style-type: none"><li>Water Quality &amp; Monitoring Compliance</li><li>Strategic Water Supply Planning</li></ul>	1:00 pm to 3:00 pm	\$75.00	<input type="checkbox"/>
D	<ul style="list-style-type: none"><li>240 Billion \$\$ Question</li><li>Maintain Disinfection Residuals in Tanks</li></ul>	1:30 pm to 3:30 pm	\$75.00	<input type="checkbox"/>
Subtotal: \$				

**CTWARN:** Lunch is included. No cost to attendees. EPA Grant

Session	Topics	Time	Price	Selection
E	CTWARN	9:00 am to 11:30 am	\$ 0.00	<input type="checkbox"/>
Subtotal: \$			0.00	

**CT Department of Public Health:** Lunch is included. Free to all small systems operators and local health directors.

Session	Topics	Time	Check One	Price	Selection
F	<ul style="list-style-type: none"><li>Essential Forms</li><li>Taking Stock of Your Water System</li><li>Water Quality and Monitoring</li><li>Working with Operators to Improve Compliance</li></ul>	8:30 am to 10:30 am	<input type="checkbox"/> Small System	\$ 0.00	<input type="checkbox"/>
			<input type="checkbox"/> Health Dir.		
			<input type="checkbox"/> Other	\$75.00	<input type="checkbox"/>
G	<ul style="list-style-type: none"><li>Security and Emergency Response</li><li>Getting Ready for The Groundwater Rule</li></ul>	1:30 pm to 3:45 pm	<input type="checkbox"/> Small System	\$ 0.00	<input type="checkbox"/>
			<input type="checkbox"/> Health Dir.		
			<input type="checkbox"/> Other	\$75.00	<input type="checkbox"/>
H	<ul style="list-style-type: none"><li>Useful Web-based Tools and Local Health Website Tour</li><li>Wells at Foodservice Establishments</li><li>Cross-Connection Issues at Food Service Establishments</li></ul>	1:00 pm to 3:30 pm	<input type="checkbox"/> Small System	\$ 0.00	<input type="checkbox"/>
			<input type="checkbox"/> Health Dir.		
			<input type="checkbox"/> Other	\$75.00	<input type="checkbox"/>

**Note:** If you are not a small system or a local health director and you selected a morning and an afternoon session, the total cost is only \$100. This can be combined with CTAWWA offerings

Subtotal: \$

<b>LUNCH ONLY</b>	Lunch in the Grand Ballroom Only <small>(for Vendor Show only or if you are attending non-educational events)</small>	Quantity: _____ @ \$25.00 each	Total Lunch: _____
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Please make checks payable to: CTAWWA and mail along with this form to:

**CTAWWA - ATCAVE Registration**  
72 Rockland Avenue  
Waterbury, CT 06708-4729


**Total Fee enclosed:**

Further information can be obtained by calling (203) 757-1855 or emailing [ctawwa@snet.net](mailto:ctawwa@snet.net)

**CREDIT CARD INFORMATION**

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

**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 call CTAWWA at (203) 757-1855.

## CTAWWA EDUCATION COMMITTEE PRESENTS

# Spring 2008 Education Schedule

Welcome to the Spring 2008 CTAWWA listing of courses. 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 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. Register for CTAWWA courses at [www.ctawwa.org](http://www.ctawwa.org)

### Education Co-Chairs:

Ronnie Fields, Co-Chair  
Premier Laboratory  
(800) 334-0103, ext 130  
[info@premierlaboratory.com](mailto:info@premierlaboratory.com)

Jennifer K. Muir, Co-Chair  
Wright-Pierce  
(860) 343-8297  
[jkm@wright-pierce.com](mailto:jkm@wright-pierce.com)

### CTAWWA Executive Manager

Pam Monahan  
Phone/Fax: (203) 757-1855  
[ctawwa@snet.net](mailto: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 [www.newwa.org](http://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 are listed for each course. Enrollment for each session is limited. Early registration is advised.*

### Basic Electricity and Electrical Safety

**Course Code:** SBE308AC

**Date:** Thursday, February 14, 2008

**Location:** MDC Training Center, Hartford

**Time:** 9:00 AM to 4:00 PM

**CEU:** 0.6 CEU (6.0 TCH)

**Applicable for Treatment and Distribution (T&D)**

This one-day overview is designed to help participants develop an understanding of electricity and electrical safety. Beginning with a fundamental explanation of the source and properties of electricity and electrical terminology, this seminar will focus on how to perform basic day-to-day operations with a focus on personal safety. Among the goals of this seminar are increased participant awareness of electrical systems and electrical safety procedures.

**Registration Fee:** CTAWWA members \$145.00 / Non-members \$ 185.00

### The Fundamentals of Reading Blueprints

**Course Code:** DBL308AC

**Date:** Thursday, March 6, 2008

**Location:** MDC Training Center, Hartford

**Time:** 9:00 AM to 4:00 PM

**CEU:** 0.6 CEUs (6.0 TCH)

**Applicable for Treatment & Distribution (T&D)**

This full-day seminar is specifically designed to help participants develop an understanding of how working drawings are organized, and how to utilize the information contained in them. Participants will receive instruction in reading several

types of drawings including: site plans, floor plans, sections and details, including both architectural and mechanical and plumbing drawings. The seminar will present a step-by-step guide to where specific types of information can be found in a set of working drawings, teach a practical easy way to remember, procedures for orientation with a new set of working drawings, and providing skills necessary to read and understand the information portrayed in engineering drawings.  
**Registration Fee:** CTAWWA members \$145.00 / Non-members \$185.00.

### Water System Hydraulics Overview

**Course Code:** BSH308AC

**Date:** Thursday, March 20, 2008

**Location:** MDC Training Center, Hartford

**Time:** 9:00 AM to 4:00 PM

**CEU:** 0.6 CEU (6.0 TCH)

**Applicable for Distribution (D)**

The purpose of Water System Hydraulics Overview is to help operators gain an understanding of key, basic hydraulic principles, how they impact a water system, and the ramifications of corrosion on flow and pumping. The course will assist participants in developing a sound understanding of essential concepts as well as a strong foundation for their application in the field. Course material will be presented in units where general theory will precede application oriented small group problem solving sessions utilizing real world calculations.

**Registration Fee:** CTAWWA members \$145.00 / Non-members \$185.00.



## Ethics and Drinking Water Operations

Course Code: TEO408AC

Date: Wednesday, April 9, 2008

Location: Regional Water Authority, New Haven

Time: 8:30 AM to 12:45 PM

CEU: 0.4 CEU (4.0 TCH)

### Applicable for Treatment and Distribution (T&D)

This class is designed to introduce the importance of ethics in the field of drinking water. Often times we are all faced with the temptation to do something that we believe is harmless and will temporarily make our lives easier, but may be contrary to what we believe is right. By establishing a proper code of conduct, and training employees to follow that code, many of these temptations can be avoided. Starting with an explanation of what ethics entails, the class will define the steps in the creation of a code of conduct. Next, once the code is established, the methods of applying the code to everyday workplace situations will be discussed and then illustrated by a short exercise by the group of participants.

**Registration Fee:** CTAWWA members \$110.00 / Non-members \$150.00

## Evaluating Options for Effective Drinking Water Chemical Treatment

Course Code: TWT408AC

Date: Tuesday, April 22, 2008

Location: MDC Training Center, Hartford

Time: 9:00 AM to 4:00 PM

CEU: 0.6 CEU (6.0 TCH)

### Applicable for Treatment (T)

There are many choices 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:** members \$145.00 / non-members \$ 185.00.

## “Hands-On” Leak Detection and Water Loss Control

Course Code: DWA408AC

Date: Wednesday, May 7, 2008

Location: Groton Utilities, Groton

Time: 9:00 AM to 12:30 PM

CEU: 0.6 CEU (6.0 TCH)

### Applicable for Distribution (D)

This seminar has been designed to cover key issues in the area of leak detection/water loss control. The morning sessions will focus on the importance of leak detection, pipe location and the different methods of leak detection. The afternoon sessions will feature a “hands-on” instructional segment with current equipment in use, and will target important considerations in leak detection program implementation and effective program operation and management. The objective is to provide an overall understanding of this increasingly important topic or water suppliers.

**Registration Fee:** members \$145.00 / non-members \$ 185.00.

## Understanding Well Withdrawal Impacts

Course Code: RWW408AC

Date: Thursday, May 29, 2008

Location: MDC Training Center, Hartford

Time: 9:00 AM to 4:00 PM

CEU: 0.6 CEU (6.0 TCH)

### Applicable for Treatment and Distribution (T&D)

This one-day seminar is designed for water utility superintendents and managers who must confront today's complex world of total water resource management challenges armed with a sound understanding of well impacts and how to assess them. It is essential that groundwater supply management professionals have the skills to take the big picture view on this critical issue. Topics include: The Groundwater Supplier's Role in Today's Water Resource Management (competing interests, Mass Balance and influences, septic systems vs. waste water treatment plants, storm water runoff), The ABC's of Groundwater (hydrogeologic setting, water withdrawal influences), Overview of Water Resource Conflicts: Realities Vs. Misconceptions (human vs. ecosystem demands, natural fluctuation vs. wellfield impacts and management). Case Studies on

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## Spring 2008 Education Schedule (continued)

Categories of Impacts and Potential Solutions include: Stream Flow Impact Assessment, Drawdown Assessment, Capture of Contaminants, and Well Interference. Consulting engineers, public health professionals and regulatory officials will also find this seminar of interest.

**Registration Fee:** CTAWWA members \$145.00 / Non-members \$185.00.

### **How to Make Your Workplace OSHA Compliant: Earn an OSHA 10 Hour Certificate**

**Course Code:** SOC408AC

**Date:** Tuesday, June 17 and Wednesday, June 18, 2008

**Location:** MDC Training Center, Hartford

**Time:** 9:00 AM to 2:30 PM each day

**CEU:** 1.0 CEU (10.0 TCH)

#### **Applicable for Treatment and Distribution (T&D)**

Regardless of the size of the water utility, safe work practices are a must. Like any other utility function, safety programs require effective management. Whether establishing a new safety program or guiding a mature one, staff professionals are required to provide equipment and training commensurate with OSHA Standards. Safety does not depend only on OSHA jurisdictions. It does depend on committed utility managers and adequately trained and equipped staff. This seminar was specifically developed for anyone who is employed in a water utility. It will cover what is required by OSHA Standards in essential operational areas, and provide a template for your safety effort whether involved in treatment, distribution or other utility duties.

Upon satisfactory completion of this class participants will receive a completion card retained on file by OSHA.

**Registration Fee:** CTAWWA members \$260.00/ Non-members \$300.00.

### **CTAWWA Courses**

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

To register for these courses fax or call (203) 757-1855. Please visit the CTAWWA website – [www.ctawwa.org](http://www.ctawwa.org). You can register on-line for these courses. 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 are listed for each course. Enrollment for each session is limited. Early registration is advised.

### **Water Treatment Operations School**

**Course Code:** #Spring 0801

**Date:** Class runs for 15 weeks on Tuesdays beginning February 12, 2008

**Location:** MDC Training Center, Hartford

**Time:** 6:00 PM to 8:00 PM

This course will cover all practical aspects of water treatment processes in general use today as well as basic mathematics, chemistry and hydraulics. Although there is no prerequisite for attending this course, each applicant must have basic mathematical ability including the use of fractions and decimals. In-class time will run approximately two hours, with additional work assigned for completion outside of class. There must be a commitment made by each student to complete these weekly assignments in order for the course to be effective.

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

### **Best Practices in Customer Service: The More Effective You**

**Course Code:** #Spring 0802

**Date:** Tuesday, March 11, 2008

**Location:** Prospect Firehouse, Prospect

**Time:** 9:00 AM to 4:00 PM

**CEU:** 0.6 CEU (6.0 TCH)

#### **Applicable for Treatment and Distribution (T&D)**

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:** members \$145.00 / non-members \$ 185.00.



## Workplace Teams: Resources & Tools for Supervisors

**Course Code:** #Spring 0803

**Date:** Thursday, April 17, 2008

**Location:** Prospect Firehouse, Prospect

**Time:** 9:00 AM to 4:00 PM

**CEU:** 0.6 CEU (6.0 TCH)

**Applicable for Treatment and Distribution (T&D)**

A workforce shortage is imminent in the water industry during the next ten years. Water supply managers must develop skills to meet this challenge. Water supply managers will learn employee retention skills, employee development skills, how to compete with other career fields for outstanding employees, how to cope and benefit from senior management changes. Topics to be discussed include: implications of the "Labor Perfect Storm", ethics in employee development and retention, Relationship Awareness Theory, concepts in leadership, and listening skills and effective communication

**Registration Fee:** members \$145.00 / non-members \$185.00.

## DPH Operator Certification Review

**Course Code:** #Spring 0804, #Spring 0805

**Location:** Regional Water Authority

**Date:** Wednesday, May 21, 2008

**Time:** 9:00 am – 3:30 pm

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](http://www.ctgov/dph). From there, click on "Drinking Water," then "Certified Operators," then "Exam Information." For more information, contact Oluseye Akinkunmi, Connecticut Department of Public Health at (860) 509-7333 or e-mail [oluseye.akinkunmi@ct.gov](mailto:oluseye.akinkunmi@ct.gov).

**Registration fee:**

No Book: CTAWWA Member \$90.00; Non-Member \$130.00

With Book: CTAWWA Member \$140.00; Non-Member \$180.00

## DPH Testing Dates

Exam	Testing Date	Application
Small Water System	June 3, 2008	April 14, 2008
Water Treatment		
Plant Operator	June 3, 2008	April 14, 2008
Distribution System		
Operator	June 4, 2008	April 14, 2008

## Correcting Common Sanitary Deficiencies & Understanding the Groundwater Rule

**Course Code:** #Spring 0806

**Date:** Wednesday, June 4, 2008

**Time:** 9:00 AM to 4:00 PM

**Location:** Prospect Firehouse, Prospect

**CEU:** 0.6 CEU (6.0 TCH)

**Applicable for Treatment (T)**

Connecticut's Public Drinking Water System Operators are challenged daily to prevent and correct common sanitary deficiencies. The Groundwater Rule might further add to the challenge without a thorough understanding of how to work within its guidelines while correcting sanitary deficiencies. This class will take the operator through appropriate sanitary correction steps and provide an effective tool to understand and master the Ground Water Rule. Water system operators will learn how to identify and correct common sanitary deficiencies, the outcome of case studies, how to prevent deficiencies before they happen, new raw water monitoring techniques, nuts and bolts of the Groundwater Rule and how to make it work together.

This class was developed collaboratively by the CTAWWA Education Committee and the Connecticut Department of Public Health's Drinking Water Section.

**Registration Fee:** Free.

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## Spring 2008 Education Schedule (continued)

### **Taking the Mystery Out of Lab Testing for Process Control**

**Course Code: #Spring 0807**

**Date: Thursday, June 19, 2008**

**Time: 9:00 AM to 4:00 PM**

**Location: MDC Training Center, Hartford**

**CEU: 0.6 CEU (6.0 TCH)**

**Applicable for Treatment (T)**

Water operators are the integral link between water quality and process control and need an in depth understanding of process control testing and techniques. Water operators will learn theory, operation, calibration and troubleshooting skills appropriate to instruments for daily reporting parameters: pH, Fluoride, Turbidity, Residual chlorine, and Alkalinity. Emphasis will be placed on proper QA/QC development and documentation. This class features hands-on practice with modern instruments. This class was developed collaboratively by the CTAWWA Laboratory Operations Committee and Education Committee.

**Registration Fee:** members \$145.00 / non-members \$ 185.00.

### **Directions to the sites of CTAWWA training courses**

**Groton Utilities** - Electric Operations Building - 1270

Poquonock Road, Groton - Take Exit 88 off Rte. I-95. If you have been heading south on Rte. I-95, turn left at the end of the exit. Turn right at the end if you have been heading north. Proceed to the second stop light and turn right onto Fort Hill Road. Continue on this road to the second stop light and turn right onto the entrance road to Groton Utilities property. Follow signs to the Electric Operations Building.

**MDC Training Center** - 125 Maxim Road, Hartford - From I-84 east (From Waterbury) or I-91 north or south, take I-91 south to Exit 27 (Brainard Road). Take a left at end of ramp onto Airport Road. Stay in left lane. At next light, take left onto Brainard Road, which becomes Maxim Road. From I-84 west (from Manchester), take 57 (Exit reads

Route 15 to I-91). Follow this road until you come to the Brainard Road exit. At the end of the ramp at the light, take a left onto Brainard Road which becomes Maxim Road. The MDC Training Center is approximately 1/2-mile on right.

**Regional Water Authority** - 90 Sargent Drive, New Haven - From the Hartford area: Take I-91 south to I-95 south and then leave I-95 south at Exit 46. Take a left at the stoplight at the end of the ramp. RWA will be the third building on the right. From I-95 north take Exit 46. Take a right at the end of the ramp. Go straight and around the curve where there will be a stoplight. Take a right. RWA will be the second building on your left. For all: The driveway and main entrance are on the right-hand side of the building.

**Prospect Firehouse** - 26 New Haven Road, Prospect. From I-84 West, take Exit 25 ( Scott Road ). Follow exit to light. Take a left, go through the next set of lights and continue straight on Scott Road. Nino's Restaurant will be on your left. Continue to the end of Scott Road to a stop light. At the light, take a left light and continue on Route 69 to the center of town. St. Anthony's Church will be on your right, town hall on your left. Continue straight. Prospect Firehouse will be on your right.

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# 2008 Spring – **CTAWWA** COURSE REGISTRATION FORM

## HOW TO REGISTER FOR CTAWWA 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 with payment by Mail to: Pam Monahan, Executive Manager, CT Section AWWA, 72 Rockland Avenue, Waterbury, CT 06708. Or fax to (203) 757-1855.

## PART I - PARTICIPANT INFORMATION

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

## PART II – COURSE LISTING

✓	Course Code	Course Title	Date/Time	Member/ Non- Member Fee
	Spring 0801	Water Treatment Operations School (Deadline 2.2.08)	February 12, 2008 15 wks @ 6:00 PM	\$500.00/ \$550.00
	Spring 0802	Best Practices in Customer Service: The More Effective You (Deadline 3.1.08)	March 11, 2008 9:00 AM – 4:00 PM	\$145.00/ \$185.00
	Spring 0803	Workplace Teams: Resources & Tools for Supervisors (Deadline 4.10.08)	April 17, 2008 9:00 AM – 4:00 PM	\$145.00/ \$185.00
	Spring 0804	DPH Operator Certification Review - with Study Guide (Deadline 5.14.08)	May 21, 2008 9:00 AM – 3:30 PM	\$140.00/ \$180.00
	Spring 0805	DPH Operator Certification Review – No Study Guide (Deadline 5.14.08)	May 21, 2008 9:00 AM – 3:30 PM	\$90.00/ \$130.00
	Spring 0806	Correcting Common Sanitary Deficiencies & Understanding the Ground Water Rule (Deadline 5.28.08)	June 4, 2008 9:00 AM – 4:00 PM	FREE
	Spring 0807	Taking the Mystery Out of Lab Testing for Process Control (Deadline 6.12.08)	June 19, 2008 9:00 AM – 4:00 PM	\$145.00/ \$185.00

## PART III - METHOD OF PAYMENT

Type of Payment			Total Amount
<input type="checkbox"/> Check (Payable to <b>CTAWWA</b> ) <input type="checkbox"/> P.O.# _____ <input type="checkbox"/> MasterCard/Visa <input type="checkbox"/> AMEX <input type="checkbox"/> Discover			\$
Credit Card #	Expiration Date	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. The 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. 

**TOTAL FEE ENCLOSED \$** \_\_\_\_\_  
For additional registrations, please reproduce this form.

# SPRING 2008 NEWWA & 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: **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.**

## PART I - PARTICIPANT INFORMATION


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

✓	Course Code	<b>PART II - COURSE LISTING</b> Course Title	Date/Time	Fee
	SBE308AC	Basic Electricity and Electrical Safety -	Feb. 14, 2008	\$145.00/ \$185.00
	DBL308AC	Fundamentals of Reading Blueprints -	March 6, 2008	\$145.00/ \$185.00
	BSH308AC	Water System Hydraulics Overview-	March 20, 2008	\$145.00/ \$185.00
	TEO408AC	Ethics and Water System Operations	April 9, 2008	\$110.00/ \$150.00
	TWT408AC	<b>NEW!</b> Evaluating Options For Effective Drinking Water Chemical Treatment -	April 22, 2008	\$145.00/ \$185.00
	DWA408AC	"Hands-On" Leak Detection and Water Loss Control-	May 7, 2008	\$145.00/ \$185.00
	RWW408AC	Well Withdrawal Impacts-	May 29, 2008	\$145.00/ \$185.00
	SOC408AC	Making Your Workplace OSHA Compliant: Earning A 10 OSHA Card-	June 17-18, 2008	\$260.00/ \$300.00
		Add \$20.00 late fee if registering within 2 days of the class date	~ ~ ~ ~ ~	
			<b>TOTAL</b>	

## PART III - METHOD OF PAYMENT

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

**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.

## 37TH CTAWWA AND CWWA JOINT CONFERENCE To Be Held on Cape Cod



*Luis Aguiar, AWWA Florida  
Section Director, will be present  
at the conference.*



**N**ational AWWA Vice President Luis Aguiar will be the visiting officer at the 37th CTAWWA and CWWA Joint Conference, which will take place May 21-23, 2008 at Chatham Bars Inn, in Chatham, Massachusetts.

Aguiar, who serves as the Florida Section Director, is the Chief of the Water Distribution Division of Miami-Dade Water & Sewer Department in Miami, Florida.

The CTAWWA Associates committee luncheon kicks off the three-day event, which will feature a wide variety of educational and informative topics. In addition, there will be a legislative update on the current session from CWWA.

Outgoing CTAWWA Chair Kevin Walsh and CWWA President Mark Decker will preside over the awards banquet on Wednesday evening, and at the end of the banquet, will welcome the new chairs for the organizations for the coming year.

The annual golf and bocci tournaments will also take place.

Registration packets will be mailed to CTAWWA and CWWA members in early April. 💧

*The Chatham Bars Inn,  
Chatham, Massachusetts,  
will be the site of the 37th  
Joint Conference*



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# CONNECTICUT'S DEPARTMENT OF EMERGENCY MANAGEMENT & HOMELAND SECURITY RECOGNIZES RWA for National Incident Compliancy

**T**he Connecticut Department of Emergency Management and Homeland Security recently recognized the South Central Connecticut Regional Water Authority, a provider of water to nearly 400,000 consumers in 12 south central communities, as compliant in the principles and practices of the national incident management system (NIMS). The RWA is the first public water utility in the state to become NIMS compliant.

Developed as a way to better manage wildfires in western states in the 1970s, and more recently utilized by southern states for efficient response to hurricanes, the national incident management system provides a comprehensive approach to managing an emergency situation or disaster. Most incidents are managed at the local level, and a NIMS process integrates personnel, equipment, and communication so that all operate

within a common set of principles and procedures. Many local fire and police departments in the state of Connecticut follow NIMS protocol. As part of its emergency response program, the RWA has trained 60 employees in NIMS.

*We provide an essential service that people cannot live without.*

– David Silverstone

“This is another example of government and private sector doing the right things to protect our state’s citizens. We are a team that includes all levels of government and business working together to become as prepared as possible. We are proud to present the RWA with this award,” said James Thomas, Commissioner of the Department of Emergency Management & Homeland Security.

“We provide an essential service that people cannot live without. We know that regularly conducting preparedness drills to deal with various emergencies tests our ability to respond as an organization. It’s a good experience and becoming NIMS compliant is an important distinction for our company,” said South Central Connecticut Regional Water Authority President & CEO David Silverstone.

Besides becoming NIMS compliant, the RWA has taken a number of other steps, including establishing disaster or business continuity plans to ensure that it can continue to supply water under any circumstance. It has also purchased a warning system that can call thousands of consumers quickly to alert them to a problem. Almost half of the state’s municipalities have such systems in place. ♡

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## The 2007 Holiday Luncheon



The annual CWWA and CTAWWA holiday luncheon was held at the Crowne Plaza in Cromwell on December 7 and was – as it always is – a very merry affair indeed. The holiday tie display was bigger, and if this is possible, even brighter this year. Plan on visiting the Crowne Plaza on February 26 for ATCAVE.

# CtWARN Update

**T**he CtWARN kicked off its membership drive in November. Two informative workshops were held in Hartford and Prospect with over 165 in attendance. The attendees were supplied with a copy of the Mutual Aid Agreement for review by each of their organizations. They also received the instructions for joining the CtWARN.

Two additional free workshops will be offered in 2008 – one at the ATCAVE conference on February 26, 2008, and a second workshop being planned with the Connecticut Water Pollution Abatement Association.

One organization in Connecticut has joined the CtWARN and a second organization is expected to join within the next month.

Across the nation, there are 16 state WARNs in operation (defined by AWWA as having three or more members). Next door to Connecticut, the state of New York has two members, Massachusetts has two members, and Rhode Island has several members.

Upcoming efforts by the CtWARN Steering Committee include participation in a national WARN planning meeting scheduled in January; follow-up with workshop attendees to determine the status of MAA review and decision to join and conducting two additional workshops: ATCAVE and with the Connecticut Water Pollution Abatement Association in the

spring of 2008. The chair of the CtWARN, Tom Chaplik of South Central Regional Water Authority, will attend the WARN chair meeting in Denver, Colorado in January, 2008.

Visit [www.CtWARN.org](http://www.CtWARN.org) for the most recent information on the CtWARN. To register for upcoming free CtWARN workshops, please contact CTAWWA Executive Manager Pam Monahan at [ctawwa@snet.net](mailto:ctawwa@snet.net) or call 203-757-1855. ♡

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