

CTAWWA Fall 2011 Training Schedule

Course selections for Fall 2011 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.

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PARTNERSHIP COURSES WITH NEWWA

The following courses are offered in partnership with the New England Water Works Association, a section of the American Water Works Association.

To register for these courses, call NEWWA at 508-893-7979, or visit 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 Connecticut 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.

Evaluating Options for Effective Drinking Water Treatment

Course Code: TWT112AC

Date: Thursday, September 15, 2011

Location: Regional Water Authority, New Haven

Time: 9:15 AM – 4:30 PM

CEU: 0.6 CEU

Applicable for Treatment (T)

Course Description: There are many choices to be made regarding choosing the best chemicals to treat drinking water effectively. Periodic evaluation of the chemicals you currently use with other chemicals is highly recommended to be sure that you are maximizing your treatment capacity. 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. All of the major types of chemicals used in water treatment will be covered.

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

Water Storage Tank Operations & Maintenance

Course Code: DST212AC

Date: Wednesday, October 5, 2011

Location: MDC Training Center, Hartford

Time: 9:00 AM – 4:15 PM

CEU: 0.6 CEU

Applicable for Distribution (D)

Course Description: This full-day course is designed to assist participants in developing an understanding of drinking water storage tank design, construction, operations and maintenance. After an overview of the importance of storage tanks, as well as a basic hydraulics refresher, a presentation on the important points of tank design will be covered along with the types of typical materials used in tank construction. Once a basic understanding of the types of tanks is complete, the methods of proper operations of tanks related to water quality will be explored, followed by a segment dealing with the inspection of tanks. Other topics including tank security, tank safety, antenna systems and corrosion control will be covered by various tank experts. The goal of this course is to increase participant awareness of all aspects of water storage tanks in a typical distribution system.

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

Chemical Feed Operations, Maintenance and Troubleshooting

Course Code: TFP212AC

Date: Tuesday, October 18, 2011

Location: Groton Utilities, Groton

Time: 9:00 AM – 4:15 PM

CEU: 0.6 CEU

Applicable for Treatment (T)

Course Description: This course is designed to help participants develop an understanding of how various types of chemical metering pumps operate, and how to keep them in top operating condition. Beginning with the explanation of component parts and terminology, sound pump operation and maintenance procedures will be presented with an eye towards increasing pump life and minimizing equipment down time. Part of the afternoon session will include a "hands-on" component to help improve problem solving skills with liquid chemical feed pump systems. "Real world" examples will be utilized to help integrate efficient troubleshooting methods to assist in the day-to-day operations of a chemical feed system. Extensive use of various chemical feed pump cut-a-ways and "easy to read" visuals will enhance the learning process.

Registration Fee: CTAWWA Members: \$150.00;

Non-Members: \$190.00

The Importance of Meter Reading For Drinking Water Systems

Course Code: DIM212AC

Date: Wednesday, November 9, 2011

Location: Regional Water Authority, New Haven

Time: 9:00 AM – 12:30 PM

CEU: 0.6 CEU

Applicable for Distribution (D)

Course Description: This class will present the importance of the basics of proper water metering techniques. In order to keep accurate account of water produced for consumption, and balance it with water actually used by those in your system, public water systems must account for as much water as possible. This class will cover the importance of conducting a water audit; explain the use and basic functions of small meters as well as compound and turbine meters used for measuring large-water demands; discuss calibration techniques of each meter; demonstrate how large meters are calibrated and present various methods of reading meters.

Registration Fee: CTAWWA Members: \$115.00;

Non-Members: \$160.00

How To Successfully Operate and Maintain Your Groundwater System

Course Code: RGS212AC

Date: Wednesday, November 16, 2011

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 learning program is designed to assist operators of groundwater systems in recognizing and understanding the importance of operating and maintaining a public drinking water

system. There are several instructional units that follow a building-block approach. In general, you'll learn what is required to correctly and safely work components of your groundwater system, including proper pump operations and maintenance, feeding chemicals, water quality concerns, the latest regulatory requirements and safety. Most importantly, you'll enrich your abilities to protect the public health as a drinking water provider.

Registration Fee: CTAWWA Members: \$150.00;

Non-Members: \$190.00

Energy Management for Water Utilities

Course Code: MME212AC

Date: Tuesday, December 6, 2011

Location: MDC Training Center, Hartford

Time: 9:00 AM – 4:15 PM

CEU: 0.6 CEU

Applicable for Treatment & Distribution (T&D)

Course Description: This course will provide water treatment operators, superintendents and related staff with practical, classroom-based instruction supplemented with interactive exercises regarding innovative and relevant approaches to energy management in a water utility. Classroom segments will cover the basics of energy use in a water treatment plant, understanding rate structures and types of charges, the structure of an energy management plan and options for funding energy audits/improvements. Interactive segments include individual utility energy use exercises and a small group activity utilizing a pre-determined scenario that allows participants to use what they have learned in classroom segments to analyze given information, create and justify recommendations for energy management plans and wrap up by presenting findings to the larger group for discussion.

Registration Fee: CTAWWA Members: \$150.00;

Non-Members: \$190.00

Ensuring Public Safety During Distribution System High Demand

Course Code: DHD312AC

Date: Thursday, January 19, 2012

Location: Regional Water Authority, New Haven

Time: 9:00 AM - 12:30 PM

CEU: 0.3 CEU

Applicable for Distribution (D)

Course Description: Every drinking water distribution system experiences challenges during sudden periods of high demand. Because public safety needs to be considered along with public health concerns, this presentation will identify the most common types of distribution system stresses and will offer proven practical solutions on how to adapt to such temporary events.

Registration Fee: CTAWWA Members: \$115.00;

Non-Members: \$160.00

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 Connecticut 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 Distribution Operations School

Course Code: #Fall 1101

Date: Tuesday, September 13 - Class runs for 15 weeks

Location: MDC Training Center, Hartford

Time: 6:00 pm – 8:00 pm

Course description: 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

Well Drilling, Well Inspection and Well Repair*

Course Code: #Fall 1102

Location: MDC Training Center, Hartford

Date: Wednesday, September 21, 2011

Time: 9:00 AM – 1:15 PM

CEU: 4.0 TCH, (0.4 CEU)

Applicable for Treatment & Distribution (T&D)

Course Description: This class will focus on how and where to drill a well, including the differences between a rock well and a gravel well; how well yield is affected by geologic conditions, and how well locations are determined. Camera inspection of wells will be discussed as well as how to monitor well performance, what could cause the yield of a well to diminish and methods of well rehabilitation. Topics will also include failure of well casing or screen, and how to repair these. Well Pumps (submersible and lineshaft turbine) will be discussed as well as the effects of low pH or high chlorine concentration on pump longevity, how to determine pump performance in the field, and causes of pump failure. "Real World" examples of well and pump components that have failed will be featured, and the lessons that can be learned from them.

Registration Fee: CTAWWA Members: \$115.00;
Non-Members: \$160.00

Business 101

Course Code: #Fall 1103

Location: Bristol Water Treatment Plant, Bristol

Date: Tuesday, October 25, 2011

Time: 9:00 AM – 4:15 PM

Applicable for Treatment & Distribution (T&D)

Course description: Water operators benefit from understanding just how a business works so that they may better appreciate the business decision making process. 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 come in and goes out will be addressed. 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

DPH Operator Certification Review

Course Code: #Fall 1104, #Fall 1105

Date: Friday, October 28, 2011

Location: Regional Water Authority, New Haven

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.ct.gov/dph/publicdrinkingwater. From there, click on "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 \$170.00; Non-Member \$190.00

DPH Testing Dates

Exam Date #1	Testing Date	Application
Small Water System	11/8/11	9/23/11
Water Treatment Plant Operator	11/8/11	9/23/11
Distribution System Operator	11/9/11	9/23/11

Grooming Good Employees to be Effective Leaders

Course Code: #Fall 1106

Location: Bristol Water Treatment Plant, Bristol

Date: Tuesday, November 29, 2011

Time: 9:00 AM – 4:15 PM

Applicable for Treatment & Distribution (T&D)

Course Description: The work place is changing dramatically. Even in spite of a lengthy recession, knowledge workers are in short supply and there is no change to this trend in sight. The causes of the shortage are systemic but the situation is not hopeless. This course will present a number of workforce issues that affect the water utility industry. It will present ideas for consideration by employees who want to “move up” to higher levels of responsibility. It will present tools for “people in charge” to use in identifying potential new leaders and to develop the skills within them that will help them be successful future leaders and industry stakeholders.

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

Effective Customer Service for Operators and Administrators

Course Code: #Fall 1107

Location: MDC Training Center, Hartford

Date: Thursday, December 1, 2011

Time: 9:00 AM – 4:15 PM

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 help water supply employees to be an effective tool for decisive customer service action in the water industry. Water operators that deal with public consumers, client service representatives, water managers that oversee customer service staff will benefit. Attendees will learn about effective communications with customers, how to identify the real issues, how to make decision making easier and how to gain closure with the customer in every instance.

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

Control Valve Operation & Troubleshooting

Course Code: #Fall 1108

Location: Bristol Water Treatment Plant, Bristol

Date: Thursday, December 15, 2011

Time: 8:00 AM – 12:15 PM

CEU: 4.0 TCH, (0.4 CEU)

Applicable for Treatment & Distribution (T&D)

Course Description: This course is intended to teach the basics of pilot-operated control valve operation and troubleshooting. Topics being discussed involve Pascal's principle to the operation of hydraulically-operated control valves; two basic pilot system configurations for hydraulically operated valves; pressure reducing valves and pilot system components; surge valves pilot system principles and procedures.

Registration Fee: CTAWWA Members: \$115.00;
Non-Members: \$160.00

Directions to the Bristol Water Department Water Treatment Plant

1080 Terryville Avenue, Bristol, CT 06010.

From the East: Take I-84 West to Exit 38 Route 6. Follow Route 6 west approximately 11.5 miles. Cross over railroad tracks. Entrance to the Bristol Water Treatment Plant is approximately 100 yards on left.

From the West: Take I-84 East to Exit 31 onto Route 229. Follow Route 229 north 5.9 miles. Turn Left onto Route 6 west. Follow Route 6 west approximately 3.5 miles. Cross over railroad tracks. Entrance to the Bristol Water Treatment Plant is approximately 100 yards on left.

From the South: Take I-91 North to Exit 17 onto Route 15/Wilber Cross Parkway. Take Exit 68W onto I-691 west towards Meriden/Waterbury. Take Exit 2 onto I-84 East toward Hartford. Take Exit 31 onto Route 229. Follow Route 229 north approximately 5.9 miles. Turn left onto Route 6 west. Follow Route 6 west approximately 3.5 miles. Cross over railroad tracks. Entrance to the Bristol Water Treatment Plant is approximately 100 yards on left.

From the North: Take I-91 south towards Hartford. Take Exit 32A onto I-84 west. Follow I-84 west to Exit 38 onto Route 6. Follow Route 6 west approximately 11.5 miles. Cross over railroad tracks. Entrance to the Bristol Water Treatment Plant is approximately 100 yards on left.

* - Application for TCH hours pending

FALL 2011 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) 		

PART II - COURSE LISTING

✓	Course Code	Course Title	Date/Time	Fee
	TWT112AC	Evaluating Options For Effective Drinking Water Treatment - Regional Water Authority, New Haven	Sept. 15, 2011 (9:15 am-4:30 pm)	\$150.00 / \$190.00
	DST212AC	Water Storage Tank Operations & Maintenance- MDC Training Center, Hartford	October 5, 2011 (9 am-4:15 pm)	\$150.00 / \$190.00
	TFP212AC	Chemical Feed Operations, Maintenance and Troubleshooting- Groton Utilities, Groton	October 18, 2011 (9:00 am-4:00 pm)	\$150.00 / \$190.00
	DIM212AC	The Importance of Meter Reading For Drinking Water Systems Regional Water Authority – New Haven	November 7, 2011 (9 am-12:30 pm)	\$115.00 / \$160.00
	RGS212AC	How To Successfully Operate & Maintain Your Groundwater System Water- MDC, Hartford	November 16, 2011 (9 am- 4 pm)	\$150.00 / \$190.00
	MME212AC	Energy Management For Water Systems- MDC, Hartford	December 6, 2011 (9 am-4:00 pm)	\$150.00 / \$190.00
	DHD312AC	Ensuring Public Safety During Distribution System High Demands- MDC, Hartford	January 19, 2012 (9 am-12:30 pm)	\$115.00 / \$160.00
		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 2011 – 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, 72 Rockland Avenue, Waterbury, CT 06708.** 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) 	

<input checked="" type="checkbox"/>	Course Code	PART II – COURSE LISTING Course Title	Date/Time	Fee
	Fall 1101	Water Distribution Operations School MDC Training Center, Hartford	Sept. 13, 2011 15 weeks @ 6PM	\$500.00/ \$550.00
	Fall 1102	Well Drilling, Well Inspection and Well Repair Bristol Water Treatment Plant, Bristol	September 21, 2011	\$115.00/ \$160.00
	Fall 1103	Business 101 Bristol Water Treatment Plant, Bristol	October 25, 2011	\$150.00/ \$190.00
	Fall 1104	DPH Operator Certification Review (with book) Regional Water Authority, New Haven – NO WALK INS	October 28, 2011	\$120.00/ \$150.00
	Fall 1105	DPH Operator Certification Review (NO book) Regional Water Authority, New Haven – NO WALK INS	October 28, 2011	\$170.00/ \$190.00
	Fall 1106	Grooming Good Employees to be Effective Leaders Bristol Water Treatment Plant, Bristol	November 29, 2011	\$150.00/ \$190.00
	Fall 1107	Effective Customer Service for Operators and Administrators MDC Training Center, Hartford	December 1, 2011	\$150.00/ \$190.00
	Fall 1108	Control Valve Operation and Troubleshooting Bristol Water Treatment Plant, Bristol	December 15, 2011	\$115.00/ \$160.00
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.		

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