



ACADEMY OF WATER EDUCATION

Water Distribution O&M



The Academy of Water Education is the on-site training center of the California Rural Water Association. Our field-experienced instructors know the ins and outs of being an operator and bring their practical knowledge to the classroom. Courses are taught in classroom and hands-on workshop settings. Our approach is unique and takes the learning experience from theoretical to practical.

Schedule: Sign-in is 7:45am on Monday. Class is Monday-Thursday 8am-5pm, and Friday 8am-12pm. Lunch provided daily.

Contact Hours: Students may earn 36 Water Contact Hours or 3.6 IACET Continuing Education Units. Please see ♦ below.

Class Information: This course prepares students to take the Grade 1 or Grade 2 Water Distribution Operator exam.

This course satisfies the 36 hour (3-unit) Specialized Training Requirement for the Grade 2 Water Distribution Operator exam.

There are no prerequisites for this course. Class materials and a calculator with a ten-digit display will be provided.

Tuition Assistance: Operators who qualify for the CPS Expense Reimbursement Grant may list their ERG# below in lieu of payment for this course*. For more information, please contact CPS at (866) 867-3594 or www.cps.ca.gov/tlc/sws/. Please be advised that students using an ERG# who do not attend all class hours will owe CRWA a balance for their tuition.

Upon successful completion of class, students will be able to:

1. Define pipe maintenance and pipe features.
2. Explain reducing agents, trihalomethanes, and breakpoint chlorination.
3. Identify the different types of Cl₂ equipment and their uses.
4. Explain basic distribution system construction and design.
5. Summarize the factors that influence disinfection and describe the various types of disinfectants.
6. Identify the importance of proper system surveillance, water quality monitoring, and cross connection.
7. Explain the significance of lock out /tag out standards, and identify the standards of trenching and shoring safety and other safety issues related to the operation of a distribution system.
8. Calculate square feet, cubic feet, volume, conversion of flows, pounds formula, mg/L, velocity, detention time and pressure.
9. Understand and explain basic regulatory requirements as they relate to the operation of a distribution system.
10. Identify the importance of sampling and sampling plans, and demonstrate proper sampling procedures.



Register now!

Please select a class session: **August 10-14, 2009** **October 19-23, 2009**

Attendee Name: _____ Current Dist. Grade: _____

System or Company Name: _____

System or Company Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ FAX: _____ Email: _____

CRWA Member (\$900 for 5-day class) Non-Member (\$1100 for 5-day class) Payment Total: \$ _____

Check to follow in mail (payable to CRWA) Credit Card (print info below) *CPS ERG#: _____

Credit Card #: _____ Expiration Date: _____

Authorized Signature: _____

California Rural Water Association is a 501(c)(6) non-profit organization dedicated to serving rural water and wastewater systems with specialized training and on-site technical assistance. For more information, visit us online at www.calruralwater.org! We will send a class confirmation and map within 2 weeks of class date. Cancellations must be received at the CRWA office in writing at least three days prior to the event in order to receive a refund. A processing fee of \$25 per student will be deducted from all refunds. Please let us know if any registrant requires special accommodations for disabilities. If you have questions, please call (800) 833-0322.

♦ **Continuing Education & Contact Hours:** Students must attend all 36 hours of class and pass the final exam with a grade of 70% or better to earn 3.6 IACET Continuing Education Units. Those with partial attendance or not passing the final exam will earn 1 DHS water contact hour for each hour of class attended. Certificates of completion will be mailed to students within 15 business days after class. A copy of all student records will be kept at the CRWA office and made available to students upon request.

To register, FAX this form to 916-553-4904 or mail to CRWA, 4125 Northgate Blvd, Sacramento, CA 95834.

Opt-out: If you wish to be taken off our distribution list, call (800) 833-0322 or email (rwhipple@calruralwater.org). Thank you!