# FREE Colorado Distribution Operator Training Series

Oxenford Consulting, in partnership with Rural Community Assistance Corporation (RCAC) and Jacobs Engineering, is proud to present a series of workshops focused on small drinking water systems. Funded by the Colorado Department of Public Health and Environment under the Small Systems Training and Technical Assistance Grant, these workshops aim to educate distribution system operators in small communities. Attendees will leave sessions with a skill set that can be brought back to their respective utilities to allow for better maintained systems resulting in consistently higher-quality water delivered to their customers.

Three courses have been developed especially for the needs of operators in rural Colorado and are described below. Colorado Distribution System Operator Certification training units will be awarded.

Courses are **FREE** for systems serving a population of less than 3,300. For larger systems, there is a fee of $200/student for two-day classes and $125/student for one-day classes. Attendance will be limited to 30 people and advance registration is required. Lunch will be provided.

Attendees are encouraged to attend all three courses. **Small system operators that attend all three courses will receive free chlorine analysis equipment.** (One colorimeter per system, while supplies last).

OXENFORD CONSULTING, LLC

Colorado Department of Public Health and Environment

RCAC www.rcac.org

JACOBS

Colorado DOTS
Colorado Distribution Operator Training Series

## Water Quality and Distribution System Essentials Course 1 (two days)

This course will be taught as a two-day program and will include case studies, exercises and hands-on training. Topics to be covered are:

- Distribution system as a barrier to protect public health
- Regulatory overview
- Water quality parameters
- Key distribution system components
- Main breaks, pressure loss and emergency planning
- Disinfection: new pipes; bacti sampling; chlorine residual management
- Monitoring to protect distribution system water quality
- Implementing an effective flushing program
- Cross Connection Control
- Emergency planning
- Operator's role in providing high quality drinking water

## Water Quality and Storage Facilities Course 2 (one day)

This course will be a one-day program focusing on the typical operational and maintenance aspects of storage facilities by utilizing best practices, videos and case studies. Topics addressed will be:

- Storage facility components
- Water quality in storage facilities
- Inspection of water storage facilities
- Monitoring water quality in storage tanks
- Managing water age and quality in storage facilities
- Cleaning, disinfecting and returning a tank to service

## Best Practices for Maintaining Distribution System Water Quality Course 3 (two days)

This course will be taught as a two-day course reinforcing best practices in:

- Water quality monitoring
- Coliform sampling
- Chlorine residual measurement and mapping
- Disinfection and breakpoint chlorination
- Hydraulic integrity: system pressure, cross connections
- Unidirectional flushing, valve maintenance and exercising program
- Infrastructure integrity: asset management and emergency response planning
- Distribution system surveillance

## Dates:

**Water Quality and Distribution System Essentials**
**January 15-16, 2013**

**Water Quality and Storage Facilities**
**February 20, 2013**

**Best Practices for Maintaining Distribution System Water Quality**
**March 25-26, 2013**

Each workshop will be held from 8 a.m. - 5 p.m.
Lunch will be provided.

## The workshops will be held at:

Town Hall
100 N. Wilcox St.
Castle Rock, CO 80104

***Some area hotel options are listed on the next page.***

**Colorado Operator Certification Training Units have been approved for these courses as follows:**

| Training Units | Course 1 | Course 2 | Course 3 | Total |
|---|---|---|---|---|
| Water Treatment | 1.0 | 0.7 | 1.0 | 2.7 |
| Wastewater Treatment | 0.3 | 0.3 | 0.5 | 1.1 |
| Industrial Wastewater | 0.3 | 0.3 | 0.5 | 1.1 |
| Collection | 0.2 | 0.2 | 0.5 | 0.9 |
| Distribution | 1.4 | 0.7 | 1.5 | 3.6 |

The three-course series satisfies the minimum experience requirement for entry level operators (Class D water or wastewater, Class 1 collection or distribution) as set forth in section 100.9.7 of Regulation No. 100, Water and Wastewater Facility Operators Certification Requirements.

# PRE-REGISTRATION IS REQUIRED • COLORADO DISTIBUTION OPERATOR TRAINING SERIES • CASTLE ROCK, CO

Please register in advance as class size for each workshop is limited to 30 people. Priority will be given to smaller water systems. Lunch will be provided. Please complete one form for each person who will attend. You can also register online at *www.rcac.org under Trainings and Events.* Each workshop is 8 a.m.-5 p.m. Lunch will be provided. **Registration is FREE for small water systems serving population less than 3300.**

**Special needs:** If you have special needs addressed by the Americans with Disabilities Act, please notify RCAC at 916/447-9832 ext. 1009 at least three weeks prior to the workshop(s) you are attending, so that we may make accommodations for you.

Name: _____ Agency/Water System: _____

Mailing address: _____

City: _____ State: _____ Zip: _____

Phone: ( _____ ) _____ E-mail: _____

Population Served: _____ CO Public Water System ID# (PWSID): _____

Type of Water System: ☐ Community ☐ Non-transient/Non-community ☐ Transient Non-community ☐ Other

This is a Colorado community or non-transient/non-community system which serves a population less than 3,300: ☐ Yes ☐ No ☐ N/A

## Please register me for the following workshops:

☐ Water Quality and Distribution System Essentials
January 15-16, 2013

☐ Water Quality and Storage Facilities
February 20, 2013

☐ Best Practices for Maintaining Distribution System Water Quality
March 25-26, 2013

## Workshop location:

Town Hall
100 N. Wilcox St.
Castle Rock, CO 80104

## Area hotel options:

Hampton Inn Castle Rock .....303/660-9800
4830 Castleton Way • Castle Rock, CO 80104

Best Western Inn & Suites.....303/814-8800
595 Genoa Way • Castle Rock, CO 80109

Castle Inn.....303/663-4111
200 Wolfensberger Road • Castle Rock, CO 80109

## Credit Card Information (needed for larger systems, only)

*Each workshop has a fee of $200/student for two-day courses and $125/student for one-day courses.*

***Workshops are FREE OF CHARGE if you are with a Colorado small water system serving a population less than 3,300.*** *However,* ***PLEASE NOTE****, the full fee will be charged to your card if cancellation notice is not received within 48 hours of the workshop date. If you cannot attend a session for which you are registered, please contact us.*

Credit Card Number: _____ Expiration Date: _____ Total fee charged: _____

Name on card: _____ ☐ Same address as above

Credit Card Billing Address: _____

City: _____ State: _____ Zip: _____

Phone: ( _____ ) _____ E-mail: _____

3120 Freeboard Drive, Suite 201 • West Sacramento, CA 9569 • Fax: 916/372-5636 or register online at ***www.rcac.org***, under Trainings & Events. For registration questions, contact Mark Wiseman at 916/447-9832 ext. 1029 or by e-mail at ***MW@rcac.org***; or Kristin Shumaker at 916/447-9832 ext. 1016 or by e-mail at *KShumaker@rcac.org.*
For workshop content questions, contact Bill Hogrewe at 303/545-0964 or by email at ***WHogrewe@rcac.org***.