



Kentucky Rural Water Association

Helping water and wastewater utilities help themselves

June 22, 2016

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Public Service
Commission

Mr. Aaron Greenwell, Acting Executive Director
Public Service Commission
P. O. Box 615
Frankfort, KY 40602-0615

Dear Mr. Greenwell:

Kentucky Rural Water Association held a training session at McCreary County Water District in Whitley City, Kentucky, on June 2-3, 2016. Please find enclosed a training summary/timed agenda for this class. A description of each topic and speaker information is included.

Approval for this training was also submitted to the Kentucky Board of Certification of Water Treatment & Distribution System Operators and the Kentucky Board of Certification of Wastewater System Operators. A copy of the application is included.

With this letter and enclosures, Kentucky Rural Water Association respectfully requests that this training be approved for up to 12 hours of continuing education credit for commissioners as referenced in regulation 807 KAR 5:070. If additional information is needed, please do not hesitate to contact our office.

Sincerely,

Janet Cole
Education Coordinator
j.cole@krwa.org

Enclosures
(Original and 10 packets)

Training Sponsor: Kentucky Rural Water Association
Title: Training for Operators-McCreary Co. Water District
Date: June 2-3, 2016
Location: McCreary Co. Water District Office, Whitley City, KY

Learning Objective:

The objective of this class is to provide useful information to attendees to help them better perform their roles as drinking water and wastewater operators which will enhance the operation at their facilities.

Criteria for Training Credits:

Attendees will be granted credit for actual time attending the training sessions. The maximum number of continuing education credit hours for this class will be 12 hours for water and wastewater operators.

TRAINING SUMMARY/TIMED AGENDA

DAY ONE: Thursday, June 2, 2016

8:00 a.m. – 11:00 a.m.

3 hrs.-DW/WW

Session 1: Basic Water

Presenter: Clem Wethington, Kentucky Rural Water Association

This session will cover basic water chemistry. Discussion will include where water occurs on earth and the water cycle. The properties of water and the water molecule will be a focus of this class. Once the properties are outlined, an explanation of the roles these properties play in drinking water and wastewater treatment and in corrosion control will also be included.

11:00 a.m. – 12:00 p.m. LUNCH BREAK

12:00 p.m. – 3:00 p.m.

3 hrs.-DW/WW

Session 2: Source Water Protection

Presenter: Randall Kelley, Kentucky Rural Water Association

Source water protection is one of the important concerns of drinking water and wastewater operators and utilities. The Groundwater Protection Plan Regulation, 401 KAR 5:037, requires anyone who conducts an activity having the potential to pollute groundwater to develop a Groundwater Protection Plan (GPP). A Groundwater Protection Plan identifies the activities being conducted at a site that has the potential to pollute groundwater and states the practices that will be used to prevent groundwater pollution. Section 2 of the regulation identifies the activities that require a GPP. Since both wastewater treatment and drinking water treatment plants often are permitted dischargers under the KPDES, many conduct some or all the activities that are required to have a GPP. This session will provide three (3) hours of training and will focus on source water protection. Topics covered will include:

1. Basic Kentucky geology, and how this impacts groundwater and source water protection
2. Regulatory requirements for wastewater and drinking water utilities under 401 KAR 5:037
3. Threats to ground water and source water
4. Recent events affecting Kentucky ground water

DAY TWO: Friday, June 3, 2016

8:00 a.m. – 11:00 a.m.

3 hrs.-DW/WW

Session 3: Emergency Response and Management for Utilities

Presenter: Joe Burns Kentucky Rural Water Association

This session will address what utilities should do for proper emergency response and management. Topics covered will include the development of an emergency response plan, keeping the plan up to date, working with local agencies and other utilities, training employees, and communication.

11:00 am – 12:00 pm: LUNCH BREAK

12:00 p.m. – 2:00 p.m.

2 hrs.-DW/WW

Session 4: Laboratory Analysis for Water and Wastewater

Presenter: Ted Simmons, Hach Company

This session will cover a number of analyses typically performed by water and wastewater operators in the treatment plants and distribution/collection systems. Topics will include the methods for running the analyses, how the analytical equipment operates, calibrations, and steps involved for completion of the analyses. Also included will be the proper care and cleaning of laboratory analytical equipment and associated hardware.

2:00 p.m. – 3:00 p.m.

1 hr.-DW/WW

Session 5: Safe Drinking Water Act and Clean Water Act

Presenter: Randall Kelley, Kentucky Rural Water Association

The Clean Water Act and the Safe Drinking Water Act are the regulatory foundation of the water and wastewater industry. This session provides an overview of the two acts, their histories, what the acts cover, and how the two acts interact with each other. Also covered will be how the two Acts directly affect the day to day jobs of water and wastewater operators.

Speaker Bios

Clem Wethington, Compliance Specialist, came to Kentucky Rural Water Association in 1987 from the City of Eddyville where he was Superintendent of Public Works for over eight years. For nine years he served on the Eddyville City Council. Clem holds the following licenses: Class IIIA Kentucky Water Treatment Plant Operator's License, Class II Kentucky Water Distribution System Operator's License, and Class I Kentucky Wastewater Treatment Plant Operator's License. Other positions Mr. Wethington has held while at KRWA is that of Circuit Rider, Groundwater Technician, Program Specialist, and Education Director. As a Compliance Specialist he trains and assists utilities with regulations, recordkeeping, & reporting.

Randall Kelley has been with Kentucky Rural Water Association (KRWA) since January, 2006. Since joining KRWA, Randall has held the positions of Wastewater Circuit Rider, ARRA Circuit Rider and Training Specialist. Prior to joining KRWA, Randall worked for the University of Louisville at the Center for Watershed Research as a Research Biologist. He participated in numerous projects on small headwater streams, stream restorations, Tri-halomethane formation in natural waters, and numerous other projects. Randall's experience also includes working for a contractor to the USEPA in Cincinnati, Ohio as an aquatic macroinvertebrate taxonomist. Randall received a B.S. in both Biology and Environmental Science from Western Kentucky University and an M.S. in Biology from the University of Louisville.

Joe Burns has been with Kentucky Rural Water Association since April 1994. His experiences at KRWA have included implementing the NRWA source water protection program and oversight of the NRWA wellhead program and the Division of Water wellhead protection assistance grant. Joe currently oversees the Utility Optimization Program and works with utilities in the program to provide technical, managerial, and financial support. Prior to joining the KRWA staff, Mr. Burns was a Senior Groundwater Hydrologist for the Kentucky Division of Water beginning in July, 1991, where he was responsible for formulating Kentucky's Wellhead Protection Strategy. He also has experience in drilling and environmental monitoring. Joe holds Bachelor of Science and Master of Science degrees in Geology from Eastern Kentucky University.

Ted Simmons has been with Hach Company since 2011. He serves as a Regional Sales Manager. Ted is a graduate of Ohio University. Hach is a leader in the industry for laboratory instruments, process analyzers and water quality monitoring.

<p>Mail to:</p> <p>Division of Compliance Assistance Certification and Licensing Branch Operator Certification Program 300 Fair Oaks Lane Frankfort, KY 40601</p>	<p>Commonwealth of Kentucky Department for Environmental Protection</p> <p>Application for Approval of Courses for Continuing Education Credit</p> <p><i>Drinking Water Treatment, Drinking Water Distribution, Bottled Water, Wastewater Treatment and Collection System</i></p> <p>Telephone: 1-800-926-8111 www.dca.ky.gov/certification</p>	<p><i>For Official Use Only Do not write in this space</i></p> <p>COPY</p>
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I. Course Sponsor Information: Agency Interest Number: 108571

A. Sponsoring Organization (school, business, association, etc.):

Kentucky Rural Water Association

Key Contact Person:

Name and Title: Janet Cole, Education Coordinator
 Address: 3251 Spring Hollow Avenue
 City, State and Zip: Bowling Green, KY 42104
 Phone and Fax: Ph: 270.843.2291 Fx: 270.796.8623
 E-mail: j.cole@krwa.org
 Web Page: www.krwa.org

One-Time Approval Requested Two-Year Approval Requested

B. If individual requesting approval is different than the key contact person for the sponsor, please complete the following information:

Name and Title: _____
 Address: _____
 City, State and Zip: _____
 Phone and Fax: _____
 E-mail: _____

II. General Course Information:

A. Title: Training for Operators-McCreary Co. Water District
 B. Location and Date/s: McCreary Co. Water District Office, Whitley City, KY June 2-3, 2016
 C. Cost per Student or Group: \$ _____
 D. Delivery Format or Media (check those that apply):

Classroom Web/Online Laboratory Exhibition
 Field CD-ROM Video/Audio Correspondence
 Other (Explain) _____



E. Continuing Education Credits (**hours**) Requested for Target Audience:

Drinking Water Treatment, Distribution and/or Bottled Water: 12 hrs.

Wastewater Treatment and/or Collection: 12 hrs.

(Attach a detailed description explaining how this training relates to the wastewater treatment process.)

III. **Required Items** (must be attached to submittal, check off as completed):

- A. Course Learning Objectives
- B. Criteria for Successful Completion by Operators
- C. Agenda (timed with instructors identified and brief description of topics)
- D. Credentials for All Instructors

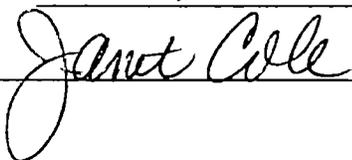
IV. **Additional Attachments** (required for distance learning courses, optional for other training):

- A. Instructional Design (developed by whom/their credentials)
- B. Curriculum Content (subject matter experts/their credentials)
- C. Required Assignments and/or Examinations (type, passing score, etc.)
- D. Mandatory Time Constraints (deadlines, granting of extensions, etc.)

V. **Signature of Sponsor's Contact Person**

I confirm that all information provided with this application is accurate to the best of my knowledge. A complete list of attendees and credits to be awarded to them will be forwarded on a "Continuing Education Activity Report" to the Kentucky Division of Compliance Assistance (within 30 days of completing the course when possible).

Printed Name and Title: **Janet Cole, Education Coordinator**

Signature and Date: 

June 3, 2016