



# Kentucky Rural Water Association

Helping water and wastewater utilities help themselves

November 8, 2017

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PUBLIC SERVICE  
COMMISSION

Ms. Gwen R. Pinson, Executive Director  
Public Service Commission  
P. O. Box 615  
Frankfort, KY 40602-0615

Dear Ms. Pinson:

On November 3, 2017, Kentucky Rural Water Association held a seminar entitled **Training for McCreary County Water District**. This session was held at the Water District Office in Whitley City, Kentucky, and offered six (6) hours of continuing education credit.

Enclosed is the training summary/timed agenda, which includes a summary of the topics, and bio for the speaker. The program was submitted to the Kentucky Board of Certification of Water Treatment and Distribution System Operators and the Kentucky Board of Certification of Wastewater System Operators for 6 hours of continuing education credit for operators. A copy of that application is included.

With this letter and enclosures, Kentucky Rural Water Association respectfully requests that this training be approved for continuing education credit for water district 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)

<p><b>Mail to:</b></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><b>Application for Approval of Courses for Continuing Education Credit</b></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><b>COPY</b></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: 1151 Old Porter Pike

City, State and Zip: Bowling Green, KY 42103

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 McCreary Co. Water District

B. Location and Date/s: Water District Office, Whitley City, KY November 3, 2017

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)

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

Drinking Water Treatment, Distribution and/or Bottled Water: 6 hrs.

Wastewater Treatment and/or Collection: 6 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: 

November 6, 2017

**Training Sponsor:** Kentucky Rural Water Association  
**Session Title:** Training for McCreary County Water District  
**Date:** November 3, 2017  
**Location:** McCreary County Water District Office, Whitley City, KY

**Learning Objectives:** The objective of this session is to provide useful information to attendees to help them better perform their roles and enhance the operations at their facilities.

**Criteria for Training Credits:** Attendees will be granted credit for actual time attending the instructional sessions. The maximum number of continuing education credit hours for this one-day class will be six (6) hours.

#### TRAINING SUMMARY/TIMED AGENDA

**Speaker:** Randall Kelley, Training Specialist, Kentucky Rural Water Association

8:30 a.m. -9:30 a.m.

**Session 1: Safe Drinking Water Act and Clean Water Act**

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 a utility.

9:30 a.m. – 10:30 a.m.

**Session 2: Organization of Water and Wastewater Systems**

This session covers how Kentucky water and wastewater systems are organized. Included in this session will be the changes in numbers and organization of water and wastewater utilities over the last few decades. Topics will cover how those changes impact the regulatory, operational, and financial situation of the states' utilities and will provide a comparison of Kentucky utilities to other states and national averages.

10:30 a.m. – 11:30 a.m.

**Session 3: Internal Operations within a Utility**

This session will cover the roles of all people working for a utility. The function of the board, manager, operator, and office personnel are all critical to a utility, but each group has their own role to play. Discussion for this session will include an overview of individual roles, expectations of each group, and conflicts that may arise between each group to cause operational and managerial problems.

11:30 a.m. – 12:30 p.m. LUNCH

12:30 p.m. – 1:30 p.m.

**Session 4: Enforcement**

No utility ever wants to be brought into enforcement proceedings, but even the best run utilities can find themselves in that situation. This session covers what it takes to trigger a referral to enforcement, what typically happens at an enforcement meeting, what often is the result of enforcement meetings, and what it takes to be removed from Enforcement's radar.

1:30 p.m. – 2:30 p.m.

**Session 5: Lessons Learned for Drinking Water AND Wastewater Systems from Flint, Michigan**

The lead in drinking water crisis that took place in Flint, Michigan, obviously has lessons that can be applied to drinking water utilities. However, many of the lessons that come from the Flint crisis are applicable to wastewater utilities as well. Many towns in Kentucky have similar problems to Flint, which culminated in their lead crisis. The result may not be a lead crisis, but might manifest itself as a malfunctioning wastewater treatment plant or high water loss. This session will discuss what led up to the crisis in Flint. Discussion will include issues such as chronic mismanagement, a declining population, a declining industrial and business base and how this impacts the financial and operational conditions of a utility. The session will also cover where similar conditions have prevailed in many small Kentucky towns.

2:30 p.m. – 3:30 p.m.

**Session 6: Nutrient Enrichment of Streams and Its Impact on Kentucky Utilities**

This session will cover the problem of nutrient enrichment of the streams and rivers of Kentucky. The presentation will cover the problems created by nutrient enrichment, algae blooms, and the problems this can create for drinking water and wastewater utilities and the environment. Also covered will be some of the regulatory responses to nutrient enrichment and the attempted solutions.

**Speaker Bio:** 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.