

# Kentucky Rural Water Association

Helping water and wastewater utilities help themselves

June 2, 2014

RECEIVED

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PUBLIC SERVICE  
COMMISSION

Mr. Jeff Derouen, Executive Director  
Public Service Commission  
P. O. Box 615  
Frankfort, KY 40602-0615

Dear Mr. Derouen:

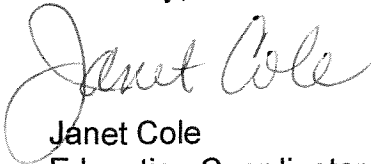
2014-00189

Kentucky Rural Water Association will present a training session at the McCreary County Water District office in Whitley City, Kentucky on June 4-5, 2014. This session will offer a maximum of 12 hours of continuing education credit.

Please find enclosed a training summary/timed agenda for this class which includes a description of the topics and speaker information. This class has been approved by the Kentucky Board of Certification of Water Treatment & Distribution System Operators. A copy of their approval is included.

This session will offer six (6) hours per day with a maximum of twelve hours of continuing education credit for both days. With this letter and enclosures, Kentucky Rural Water Association respectfully requests that this training be approved for 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

Enclosures  
(Original and 10 packets)

**Training Sponsor:** Kentucky Rural Water Association  
**Session Title:** Water and Wastewater Operator Training  
**Date:** June 4-5, 2014  
**Location:** McCreary Co. Water District Office, Whitley City, KY

**Learning Objective:**

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

**Criteria for Training Credits:**

Operators will be granted credit for actual time attending the sessions. The maximum number of continuing education credit hours will be six (6) hours per day. Total hours that can be earned at this session will not exceed twelve hours.

**TRAINING SUMMARY/TIMED AGENDA**

**DAY ONE - June 4, 2014**

**8:30 a.m. – 9:30 a.m.** **1 hour**

**Session 1: Operator Responsibilities**

**Presenter: Steve Capps, Kentucky Rural Water Association**

The position of operator requires highly ethical behavior as operators often do not have someone looking over their shoulder watching their every move. This session will cover responsibilities and ethics with respect to properly conducting the duties of an operator & the possible consequences of failing to operate in an ethical manner.

**9:30 a.m. – 10:30 a.m.** **1 hour**

**Session 2: Trenching and Shoring**

**Presenter: Steve Capps, Kentucky Rural Water Association**

This session will cover excavation safety and trenching and shoring. Topics will include soil classification and instrumentation, shoring techniques, trench boxes, a discussion of competent persons, hazards, and do's and don'ts around excavations.

**10:30 a.m. – 11:30 a.m.** **1 hour**

**Session 3: Lockout/Tagout**

**Presenter: Steve Capps, Kentucky Rural Water Association**

This session familiarizes the participant with Kentucky's lockout/tagout standard. It demonstrates the LOCKOUT and TAGOUT methods relating to the various hazardous energy sources associated with machinery, equipment, and processes used in industry. Topics addressed include training requirements, documentation required, hardware, and group lockout procedures.

**11:30 am – 12:30 pm LUNCH BREAK**

**12:30 p.m. – 3:30 p.m.** **3 hours**

**Session 4: Hydraulic Control Valves for Water and Wastewater**

**Presenter: Tim Blanton, Kentucky Rural Water Association**

This session will discuss the application, installation and maintenance of control valves. Hydraulic control valves are used in drinking water distribution systems, water treatment plants, wastewater treatment plants, and collection systems. Topics will include the purpose & uses of control valves such as pressure reduction/regulation, pressure sustaining, surge relieve, back pressure control, and pump control in wastewater collection systems and drinking water distribution systems. In some cases, control valves are not used to their fullest extent within water and wastewater systems. Further, all too often hydraulic control valves are unnecessarily replaced rather than repaired. Instruction will also include how valves operate, regular maintenance required, common problems, common trouble shooting techniques, and how to diagnose a failed control valve. Also included will be the use of solenoid controlled valves for remote control though SCADA for example. Class attendees will have hands on training including disassembly, repair, and reassembly of different types of control valves.

**DAY TWO - June 5, 2014**

**8:30 a.m. – 9:30 a.m.** **1 hour**

**Session 5: Telemetry**

**Presenter: Josh Cravins, Wascon, Inc.**

This session will cover telemetry for water and wastewater utilities. Covered will be the various uses for telemetry within water and wastewater treatment facilities and distribution and collection systems. Also covered will be the technology used, data acquisition, data analysis, and data reporting.

**Kentucky Rural Water Association**

3251 Spring Hollow Avenue ♦ Bowling Green, KY 42104 ♦ Ph: 270.843.2291 ♦ Fx: 270.796.8623 ♦ www.krwa.org

9:30 a.m. – 10:30 p.m.  1 hour

**Session 6: Blowers and Compressors**

**Presenter: Josh Cravins, Wascon, Inc.**

This session will cover the different types of blowers and available for use at water treatment plants. Each type has different advantages and disadvantages and this session will cover those traits. Also, basic maintenance for blowers and compressors and their control units will be covered.

10:30 a.m. – 11:30 p.m. 1 hour

**Session 7: Pumps for Water and Wastewater**

**Presenter: Al Buechele, R. A. Ross & Associates, Inc.**

This session will provide an overview of a variety of pumps used in wastewater and drinking water applications. Topics covered will include sizing a pump, pump curves, and typical applications for particular types of pumps.

11:30 a.m. – 12:30 p.m. LUNCH BREAK

12:30 p.m. – 1:30 p.m. 1 hour

**Session 8: Ice Pigging—Cleaning Distribution and Collection System Lines with Ice**

**Presenter: Landon Hutchison, Utility Service Company**

This session covers a new technique for cleaning drinking water distribution systems and wastewater force mains using slush ice call Ice Pigging. Ice Pigging has been proven to be between 100 and 1000 times more effective at removing sediment and biofilm than standard flushing practices alone. Originally developed for the food industry ice pigging has now been developed for use in the drinking water and wastewater industry.

1:30 p.m. – 3:30 p.m. 2 hours

**Session 9: 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 field operations. 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.

## Speaker Bios:

**Steve Capps** came to Kentucky Rural Water Association in 1994 from the City of Burkesville, Kentucky where he had served as Director of Public Works for twelve (12) years. He also had experience as the Water Treatment Plant Operator and also the Wastewater Treatment Plant Operator for six (6) years. He is currently certified in water treatment, wastewater treatment and holds a certificate as a water distribution system operator. Mr. Capps served as the Wastewater Technician for the Kentucky Rural Water Association from June 1994 to June 1999. His primary duties as Wastewater Technician were to provide technical assistance and hands-on training to rural wastewater utility personnel throughout Kentucky. Mr. Capps' position with the Kentucky Rural Water Association from June 1999 to the present is that of Wastewater Trainer/Technician and Compliance. In that capacity he provides on-site technical assistance and training to small rural municipal wastewater treatment systems and rural systems in unincorporated areas.

**Tim Blanton** came to work for Kentucky Rural Water Association in June, 2007 as a Circuit Rider. His many years of experience in water, wastewater, and public works began in the City of Grand Junction, Colorado. For 10 years he held various positions in billing and collections for the departments of water and solid waste. He gained knowledge of public relations, billing & collections, water system operations, metering, leak locating and repairing, welding and much more. After moving to Vermont, Tim continued his career in the water and wastewater industry for another 11 years. He served as the Public Works Manager for the Village of Derby Center before taking a position as the Regional Manager for a contract utility operations business. His responsibilities included the management and operations of 36 municipal water systems and six sewer systems. Tim holds an Associate Degree in Architectural Structural Design.

**Josh Cravins** is the Sales Manager for Wascon, Inc. and has had many years of experience in providing products and service to the water and wastewater industry. He has literally grown up in the business since his family started the company in 1980. Since the beginning, Wascon has provided Tennessee and Kentucky with quality products and service. With years of experience in the municipal business, Wascon is dedicated to providing quality service and products to their customers.

**Al Buechele** is the Municipal Representative for R. A. Ross & Associates, Inc. Al attended college at Indiana University SE, Ivy Tech Community College, and Kentucky College of Technology. He has been with R. A. Ross since 2002. His experience includes 12 years of pumps and related equipment sales and applications engineering, 2 years of air compressor sales, and 12 years (+) as an auto-mechanic.

**P. Landon Hutchison** with Utility Service Company holds a BS and BA from Georgetown College in the fields of History, Chemistry, and American Studies. He has worked in the environmental industry for 15 years. Landon spent as a specialty chemical and water chemist for Tyco International, 5 years in various roles with Veolia Environment in solid waste, water, and wastewater, and most recently as a Water systems Consultant for Utility Service Company. He has specific expertise in Holistic Water System Approach, Ice Pigging, TRS, Smart Metering, Mixing Technology, Helium Leak Detection, and various other water/wastewater related technologies.

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.

STEVEN L. BESHEAR  
GOVERNOR



LEONARD K. PETERS  
SECRETARY

ENERGY AND ENVIRONMENT CABINET  
DEPARTMENT FOR ENVIRONMENTAL PROTECTION  
DIVISION OF COMPLIANCE ASSISTANCE  
300 FAIR OAKS LANE  
FRANKFORT KENTUCKY 40601  
PHONE (502)564-2150  
FAX (502)564-4245  
[www.dep.ky.gov](http://www.dep.ky.gov)  
May 27, 2014

Kentucky Rural Water Assoc  
Attn: Janet Cole  
3251 Spring Hollow Ave  
Bowling Green, Kentucky 42104-4486

Agency Interest Number: 108571

RE: Operator Certification Training Approval for Continuing Education Hours

To Whom It May Concern:

Your training request has been received by the Division of Compliance Assistance, Certification and Licensing Branch. Course approvals are reviewed and approved based on core content outlined by the cabinet and the Kentucky Board of Certification of Wastewater System Operators and the Kentucky Board of Certification of Drinking Water Treatment and Distribution System Operators. The core content lists can be located on our website, [dca.ky.gov/certification](http://dca.ky.gov/certification).

Your request was reviewed by the Kentucky Board of Certification of Wastewater System Operators and/or the Kentucky Board of Certification of Water Treatment and Distribution System Operators at their most recent board business meeting. This letter serves as notification of the board and/or cabinet determination for continuing education credit.

Course Title	Date	Hours & Type Approved	DCA Event ID#	Comments
Training for Water and Wastewater Operators Morehead	6/11/2014	WW - 12.0 Hours approved DW - 12.0 Hours approved	13034	One time Approval
Training for Water and Wastewater Operators-CEA	5/6/2014	WW - 6.0 Hours approved DW - 6.0 Hours approved	13031	One time Approval
Water and Wastewater Operator Training-Paintsville	5/21/2014	WW - 12.0 Hours approved DW - 12.0 Hours approved	13032	One time Approval
Water and Wastewater Operator Training-Whitley City	6/5/2014	WW - 12.0 Hours approved DW - 12.0 Hours approved	13033	One time Approval
Water and Wastewater Operator Training-Harlan	5/28/2014	DW - 12.0 Hours approved	13030	One time Approval
Water and Wastewater Operator Training-Cumberland Co	5/23/2014	DW - 6.0 Hours approved	13029	One time Approval

Upon completion of the approved training, the provider shall submit to the cabinet a completed Continuing Education Activity Report form. This form can be located on the program's website at [dca.ky.gov/certification](http://dca.ky.gov/certification). The program will no longer accept rosters that are not submitted on the cabinet's Continuing Education Activity Report form or electronically through the cabinet's website. If a continuing education activity report was attached to the training approval request, please be aware that the operators will only receive credit for the number of hours approved by the board(s).

Sincerely,

E-Signed by Veronica Roland  
:RIFY authenticity with Approvi  
4/28/2014 1:10:21 PM

Veronica Roland  
Certification and Licensing Branch