



# Kentucky Rural Water Association

Helping water and wastewater utilities help themselves

April 8, 2015

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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:

Kentucky Rural Water Association will host its 2015 Operator EXPO at the Hardin County Fairgrounds in Glendale, Kentucky on Wednesday, May 13, 2015, with Pre-EXPO training being held on Tuesday, May 12, 2015. We would like to request that this training be approved for continuing education credit for water district commissioners as referenced in regulation 807 KAR 5:070. The maximum number of hours that can be earned each day is three (3) hours.

Please find enclosed a training summary/timed agenda and biographies for the speakers. Approval for this training session has been submitted to the Kentucky Boards of Certification for Water Treatment and Distribution System Operators and Wastewater System Operators. A copy of the application is enclosed.

With this letter and enclosures, Kentucky Rural Water Association is requesting the approval of up to six (6) hours of continuing education credit for water district commissioners. 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 copies)

**Training Sponsor:** Kentucky Rural Water Association  
**Session Title:** 2015 Operator EXPO  
**Date:** May 12-13, 2015  
**Location:** Hardin County Fairgrounds, Glendale, Kentucky

**Learning Objective:** The objective of these sessions is to introduce processes and procedures that will enhance operations of water and wastewater utilities. Through classroom instruction and small group demonstrations, attendees will gain knowledge of products, services and procedures that will add to their knowledge and have a positive impact on job performance.

**Criteria for Training Credits:** Attendees will be granted credit for actual time attending training sessions. The EXPO will offer a total of 10 hours for drinking water and 9.5 hours for wastewater; however, the maximum number of credit hours that can be earned will be six (6) hours for drinking water and six (6) hours for wastewater (three hours on Tuesday afternoon and three hours on Wednesday morning). An individual sheet will be provided to record attendance at each session. This sheet will be stamped by KRWA personnel after the completion of each session and turned in at the close of the EXPO in order to receive continuing education credit.

## **Training Summary/Timed Agenda**

### **Tuesday, May 12, 2015**

**Session 1**—Site D 12:30 p.m. – 2:00 p.m. 1.5 hr. DW/WW/Commissioner

**Topic:** Motor Controls, Drives, and Instrumentation

**Presenter:** Steve Gott, S & K Equipment Company

**Description:** This session will cover the use of electrical motor controls and drives. Topics will include the theories and principals of how they work, where they are best used, where they are not needed, benefits for controlling pressures in water mains and sewer force mains, and reduced electrical usage.

**Session 2**—Site D 2:10 p.m. – 3:40 p.m. 1.5 hr. DW/WW/Commissioner

**Topic:** Laboratory Analysis for Water and Wastewater

**Presenter:** Ted Simmons, Hach Company

**Description:** This session will cover a number of analyses typically performed by water & wastewater operators in the treatment plants & 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.

### **Wednesday, May 13, 2015**

**Session 3** – Site A 8:00 a.m. – 8:30 a.m. 0.5 hrs. DW/WW/Commissioner

**Topic:** Asset Management Using Mobile Devices (part 1)

**Speaker:** Ron Householder, CDP/MapSync Services

**Description:** Access to GIS and Facility data for asset management and workflow development via mobile devices (smart phones, tablet and laptop computers) in the field is a key element in gaining efficiency and productivity. This presentation will demonstrate how these devices can be used to accomplish a variety of workflows and discuss the benefits and challenges presented in adopting mobile technology.

**Session 4** – Site B 8:00 a.m. – 8:30 a.m. 0.5 hrs. DW/Commissioner

**Topic:** Leak Detection (part 1)

**Speaker:** Jeff Merman, Automatic Controls Company, Inc.

**Description:** This session will focus on the use of leak detection equipment in the field. Attendees will be able to use leak detection equipment to locate simulated water leaks. Different devices will be compared & contrasted with their pros and cons discussed and demonstrated.

**Session 5** – Site C 8:00 a.m. – 8:30 a.m. 0.5 hrs. WW

**Topic:** The Collection System: Problems and Solutions

**Presenters:** Trent Coffee and Keith Bevins, Aulick Chemical Co.

**Description:** This session will cover the collection system from the customer's lateral to the headworks at the wastewater treatment plant. Topics this session will cover the sources and controls of fats, oils, and greases, and collection system maintenance and inspection. Also covered will be odor control, where hydrogen sulfide problems come from, and methods of control.

**Session 6** — Site A 8:45 a.m. – 9:15 a.m. 0.5 hrs. DW/WW/Commissioner

**Topic:** Asset Management Using Mobile Devices (part 2)

**Speaker:** Ron Householder, CDP/MapSync Services

**Description:** This session is a continuation Session 3.

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- Session 7**—Site B                      8:45 a.m. – 9:15 a.m.                      0.5 hrs.                      DW/Commissioner  
**Topic:**                      **Leak Detection (part 2)**  
**Speaker:**                      **Jeff Merman, Automatic Controls Company, Inc.**  
**Description:**                      This session is a continuation Session 4.
- Session 8**—Site C                      08:45 a.m. – 09:15 a.m.                      0.5 hrs.                      WW  
**Topic:**                      **Sealing Manhole Chimneys**  
**Speaker:**                      **Matt Terranova, AJ Enterprises**  
**Description:**                      Manholes are a major source of inflow and infiltration. The chimney section alone can be a major source of these problems. This session will demonstrate methods for sealing manhole chimneys for the purpose of preventing INI while holding up to the stresses encountered by manhole chimneys.
- Session 9** —Site A                      9:30 a.m. – 10:00 a.m.                      0.5 hrs.                      DW/WW/Commissioner  
**Topic:**                      **Valve Exercising**  
**Speaker:**                      **Tom Lewis, Lewis Municipal Sales**  
**Description:**                      Valve exercising is the most important maintenance that can be performed on valves in water and wastewater systems. Unused valves will eventually rust and won't be functional when the day comes that it is needed. This session will cover technology utilities can use for the easy exercising of their valves. This technology especially targets valves that are difficult or impossible to turn with manual operation.
- Session 10**—Site B                      9:30 a.m. – 10:00 a.m.                      0.5 hrs.                      DW/Commissioner  
**Topic:**                      **Water Meters**  
**Speaker:**                      **Jeremy McComas, C. I. Thornburg, Inc.**  
**Description:**                      Water meters come in a variety of forms & designs, but each has their limitation. This session will provide a basic overview of water meters. Attendees will be able to view a variety of meters & will learn uses for each type.
- Session 11**—Site C                      9:30 a.m. – 10:00 a.m.                      0.5 hrs.                      WW  
**Topic:**                      **Pipeline and Manhole Inspections**  
**Speaker:**                      **Matt Glass, Kentucky Rural Water Association**  
**Description:**                      This session will cover tools and techniques for pipeline and manhole inspections. Attendees will be able to view both push and tractor sewer line cameras as well as tools for assessing manhole conditions. Also covered will be the results of an inspection and how those results can be taken to decision makers.
- Session 12**—Site A                      10:15 a.m. – 10:45a.m.                      0.5 hrs.                      DW/WW/Commissioner  
**Topic:**                      **Servicing PRVs and Altitude Valves**  
**Speaker:**                      **Josh Cravins, Wascon**  
**Description:**                      PRVs and altitude valves are crucial to the proper function of a distribution system, but are often ignored until they fail. This session will cover the basics of proper maintenance of PRVs & altitude valves, including how simple the task can be.
- Session 13**—Site B                      10:15 a.m. – 10:45a.m.                      0.5 hrs.                      DW/Commissioner  
**Topic:**                      **The Process of Repairing Water Main Breaks**  
**Speaker:**                      **Mike Rullo, Smith-Blair, Inc.**  
**Description:**                      This session will cover the many types and causes of main breaks and illustrate the instrumental process of effective repair. In addition to clamps, service saddles, and coupling systems, this session will illustrate special fabrication products and services which resolve complex problems often encountered in distribution systems.
- Session 14**—Site C                      10:15 a.m. – 10:45a.m.                      0.5 hrs.                      DW/WW/Commissioner  
**Topic:**                      **GPS for Water and Wastewater Utilities (part 1)**  
**Speaker:**                      **Eric Muncy, Precision Products, Inc.**  
**Description:**                      This session will cover the use of GPS equipment for collecting location data on utility infrastructure. Attendees will be able to use GPS equipment in the field by participating in a GeoCache on the grounds as a means for training on the use of GPS field equipment.
- Session 15**—Site A                      11:00 a.m. – 11:30 a.m.                      0.5 hrs.                      DW/WW/Commissioner  
**Topic:**                      **The Proper Way to Grease a Pump and Motor**  
**Speaker:**                      **Andrew Taylor, Service Specialties, LLC**  
**Description:**                      Proper maintenance of pumps and motors is a continuous job for water and wastewater utilities. This session will cover the importance of properly greasing pumps and motors. Attendees will be able to view a pump and motor and view the greasing. Do's and don'ts of the process will be covered as well.

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<b>Session 16</b> --Site B	11:00 a.m. – 11:30 a.m.	0.5 hrs.	DW/Commissioner
<b>Topic:</b>	<b>Water Loss Control</b>		
<b>Speaker:</b>	<b>Seth Rye, Rye Engineering, PLC</b>		
<b>Description:</b>	Water loss control is a continuous problem for drinking water utilities. This session will cover the methods and tools used to keep water loss at a minimum. Techniques and tools used to monitor pressure zones, survey distribution systems for water loss, and to find water leaks will be discussed.		
<b>Session 17</b> --Site C	11:00 a.m. – 11:30 a.m.	0.5 hrs.	DW/WW/Commissioner
<b>Topic:</b>	<b>GPS for Water and Wastewater Utilities (part 2)</b>		
<b>Speaker:</b>	<b>Eric Muncy, Precision Products, Inc.</b>		
<b>Description:</b>	This session is a continuation of Session 12.		
<b>Session 18</b> --Site A	11:45 a.m. – 12:15 p.m.	0.5 hrs.	DW/WW/Commissioner
<b>Topic:</b>	<b>Water and Wastewater Analysis</b>		
<b>Speaker:</b>	<b>Shayna Lawrence and Ted Simmons, Hach Company</b>		
<b>Description:</b>	This session will cover a variety of water and wastewater analyses that can be performed in the field. Topics will include the methods for running the analyses, how the analytical equipment operates, calibrations, and steps involved for completion of the analyses.		
<b>Session 19</b> --Site B	11:45 a.m. – 12:15 p.m.	0.5 hrs.	DW/WW/Commissioner
<b>Topic:</b>	<b>Line Location</b>		
<b>Speaker:</b>	<b>Steve Foster, G &amp; C Supply Co.</b>		
<b>Description:</b>	Locating lines can be a difficult task for utilities. Maps may or may not be accurate, buried lines may or may not be marked accurately. This session will cover tools and techniques for locating buried utility lines.		
<b>Session 20</b> --Site C	11:45 a.m. – 12:15 p.m.	0.5 hrs	WW
<b>Topic:</b>	<b>Aeration Controls for Wastewater</b>		
<b>Speaker:</b>	<b>Josh Cravins, Wascon Inc.</b>		
<b>Description:</b>	Energy costs are always rising. At WWTPs, aeration is one of the largest consumers of electricity. This session will cover the use of aeration controls to minimize electrical costs and to improve control of the activated sludge wastewater treatment process.		

### SPEAKER BIOS

**Session 1 - Steve Gott** started S & K Equipment Company in 2002. Prior to that his work experience included the companies Straeffer Pump & Supply, Hague Equipment, and Graham Equipment. He has attended various pump and systems courses as well as valve and hydraulic schools. His experience also includes extensive instruction on controls and systems.

**Sessions 2 & 18 - 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.

**Sessions 3 & 6 - Ron Householder**, PLS, has held management positions for MapSync, Co. since June 1, 1994. Prior to this he was the owner of In-House Solutions, a mapping and consulting firm based in Lexington, Kentucky. He is a registered land surveyor with over twenty-nine years of experience in the land surveying, mapping and civil engineering fields. Mr. Householder has experience in Global Positioning Systems (GPS), Geographic Information Systems (GIS), and mapping application software development. He currently serves as Past-President of the Board of Directors of the Indiana, Kentucky and Ohio-Geospatial Information Technology Association (IKO/GITA).

**Sessions 4 & 7 - Jeff Merman**, President, Automatic Controls Co., has over 30 years of experience in Kentucky in the industrial instrumentation and controls business. Jeff holds an Associate's degree in Industrial Engineering from Northern Kentucky University.

**Session 5 - Trent Coffee** started work with Aulick Chemical Solutions in January 2010, as a sales representative. Trent is a 2001 graduate of Lindsey Wilson College earning a Bachelor of Arts degree in Biology with a minor in Chemistry. Trent also holds a Class II certification license for wastewater treatment. Prior work experience includes: Wastewater Circuit Rider for Kentucky Rural Water Association from December 2002-December, 2009 and prior to joining KRWA, he served as a Lab Technician for the Wastewater Treatment Plant in Franklin, Kentucky.

**Keith Bevins** started work with Aulick Chemical Solutions in 2013, as a sales representative. Prior work experience includes working for Kentucky Rural Water Association as a Wastewater Technician from July 1999 to 2013, as the Wastewater Facilities Manager for Pike County, and Chief Operator of Utilities for Wheelwright.

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**Session 8 - Matt Terranova** has been with A J Enterprises since 2000 and has over 25 years' experience in the water and sewer industry. Matt has a B.S. in Mechanical Engineering from the University of Louisville (1986). Over the last few years Mr. Terranova has focused on different processes for relining manholes and sealing the chimney area to reduce or eliminate inflow and infiltration.

**Session 9 - Tom Lewis** of Lewis Municipal Sales is a graduate of the University of Arkansas, Tech Campus, with a degree in Business Administration and Economics. In 1999, Lewis Municipal Sales (LMS) was established as a manufacturer's rep agency and Tom began working in the waterworks industry. The manufacturers represented by Tom's company supply a variety of products, both technical and commodities, to municipalities and contracting companies. Tom conducts training seminars for various industry associations.

**Session 10 - Jeremy McComas** has been employed by The C.I. Thornburg Co. since 2006 functioning as the AMR specialist and engineered product sales engineer. Jeremy currently oversees the sales and deployment of Sensus automated metering systems and fixed base FlexNet Systems in Kentucky and Tennessee. He also serves consulting engineers in both states for product application and functionality for all engineered products to include, control valves and actuator, SCADA systems, water & sewer pump applications, chemical feed equipment, and any specialty product provided by C.I. Thornburg Co.

**Session 11 - Matt Glass** joined Kentucky Rural Water Association in March of 2002 as a Groundwater Technician. He later worked in the Water and Wastewater Services Division of KRWA providing practical infrastructure management solutions for small and rural communities, such as mapping, manhole inspection, smoke testing, flow monitoring & video inspection. Matt earned a bachelor's degree in Geography with an emphasis in hydrogeology from Western Kentucky University. He worked on several projects as a geologic technician for the Center for Cave and Karst Studies at Western and completed a planning internship under Dr. Nicholas Crawford, focusing on the development of a stormwater management plan for the city of Bowling Green.

**Sessions 12 & 20 - Josh Cravins** currently holds the position of sales manager for WASCON, Incorporated, where he is responsible for managing all sales and marketing for WASCON. Josh graduated from University of the Cumberlands with a Bachelor of Science in Business Administration with a minor in Computer programming in the spring of 2006. Since graduating, Josh has worked with WASCON in both the service and sales portions of the business. Josh has knowledge in pump sizing, selection and specifying, as well as low pressure sewer system design.

**Session 13 - Mike Rullo** has been employed as the Territory Manager for Smith-Blair since February, 2011. Mike provides technical presentations, workshops, and education training throughout the Midwest, including Indiana, Kentucky, Michigan and Ohio. Mike began his waterworks career in 1982 as a Sales Representative for Victory White Metal Waterworks Division in Cleveland, Ohio. Other work experience includes American Flow Control Company (1990-1998) and Julian Supply Company (1998-2011).

**Sessions 14 & 17 - Eric Muncy** is the Mapping-GIS Sales Consultant for Precision Products, the authorized dealer for Mapping and Survey Trimble GPS Products for Kentucky. Eric has been in the GPS and GIS fields for over 18 years, working on a variety of GIS projects including FEMA Flood Studies, National Guard Environmental Impact Studies, and Stormwater Planning Projects in Oklahoma, Tennessee, North Carolina, and Kentucky. Eric graduated from the University of Louisville in 1994 with a BS degree in Geography with a concentration in Environmental Analysis with a focus in his Senior year in GIS/Computer Mapping. Today, as the sales consultant for Mapping and GIS products, he helps educate customers about what particular GPS products might be the best fit for their needs. He also helps train and support customers throughout the Kentucky and southern Indiana area.

**Session 15 - Andrew Taylor** is a licensed Master Electrician with 17 years of experience. He attended Kentucky Technical College and earned degrees in Electrical Systems Technologies and Power Electronics. In 2005, Andrew founded Service Specialties, LLC where he currently resides as President. His company specializes in repair and maintenance for the water and wastewater industry.

**Session 16 - Seth Rye**, owner of Rye Engineering, has gained vast experience in the field of water distribution system planning, analysis, and design. His work with municipalities, utility districts, and community water systems has allowed him to combine his talents as an engineer, attorney, and water distribution operator to create efficient designs and innovative solutions within the framework of the government legal and financial systems. Seth earned a Bachelor of Science in Agricultural Engineering from the University of Tennessee, a Master of Science in Biosystems Engineering also from the University of Tennessee, and a Doctor of Jurisprudence Degree from the Nashville School of Law.

**Session 18 - Shayna Lawrence** is a Regional Sales Manager for Hach Company. Shayna attended Western Kentucky University before earning her Chemical Engineering degree from the University of Kentucky. Shayna joined the Hach Company as a Regional Sales Manager in early 2011. Previously she has worked for G.E. Water and for ChemTreat, Inc. (See also Sessions 2 & 18-Ted Simmons).

**Session 19 - Stephen Foster**, Sales Manager for G&C Supply, has been with the company since 1992. G & C carries tools and supplies to install & maintain water, sewer, and gas management systems. Stephen attended Memphis State University.



<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: 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: 2015 Operator EXPO

B. Location and Date/s: Hardin Co. Fairgrounds, Glendale, KY

May 12-13, 2015

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: 10 hrs. (Three hrs./day-maximum six hrs.)

Wastewater Treatment and/or Collection: 9.5 hrs. (Three hrs./day-maximum six 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):

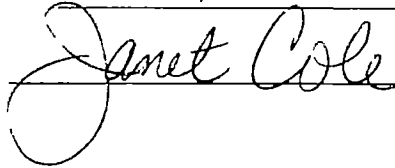
- A.  Instructional Design (developed by whom/their credentials)
- B.  Curriculum Content (subject matter experts/their credentials)
- C.  Required Assignments and/or Examinations (type, passing score, etc.)
- D.  Mandatory Time Constraints (deadlines, granting of extensions, etc.)

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:



March 30, 2015