



# Kentucky Rural Water Association

Helping water and wastewater utilities help themselves

April 7, 2016

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Public Service  
Commission

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

Dear Acting Executive Director:

Case No. 2016-00151

Kentucky Rural Water Association will host its Operator EXPO at the Hardin County Fairgrounds in Glendale, Kentucky on Tuesday and Wednesday, May 24-25, 2016. Please find enclosed the training summary/timed agenda and speaker biographies. The maximum number of hours that can be earned during this two-day session is four (4) hours on Tuesday and six (6) hours on Wednesday.

A request for approval of this training session has also 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 respectfully requests that this training be approved for up to ten (10) 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 copies)



- Session 2** – Site B                      8:00 a.m. – 8:30 a.m.                      0.5 hr.                      DW/WW  
**Topic:**                      **Basics of Valve Exercising**  
**Speaker:**                      **Scott 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 3** – Site C                      8:00 a.m. – 8:30 a.m.                      0.5 hr.                      DW/WW  
**Topic:**                      **Asset Management Using Mobile Devices (Part 1)**  
**Speaker:**                      **Ron Householder, CDP/MapSync Services**  
**Description:**                      Field access to GIS and facility data for asset management and workflow development via mobile devices (smart phones, tablet and laptop computers) is a key element in gaining efficiency and productivity. These presentations will demonstrate how devices can be used to accomplish a variety of workflows. Discussion will include the benefits and challenges presented in adopting mobile technology.
- Session 4** – Site A                      8:45 a.m. – 9:15 a.m.                      0.5 hr.                      DW/WW  
**Topic:**                      **Towable Generator and Generator Connection Cabinet**  
**Speaker:**                      **Matt Rankin, Evapar**  
**Description:**                      This session will cover portable generator usage in water and wastewater utilities. A towable generator will be on site with cables and a generator connection cabinet. The instructor will demonstrate how to connect the towable generator with the cables to the connection cabinet. The instructor will also demonstrate the safety points that are included with the cable connection area of the generator.
- Session 5** – Site B                      8:45 a.m. – 9:15 a.m.                      0.5 hr.                      DW/WW  
**Topic:**                      **Building a Valve Exercising Program**  
**Speaker:**                      **Tim Blanton, Kentucky Rural Water Association**  
**Description:**                      This session will be a continuation of the valve exercise class before it. This session will deal with real world experiences with valve exercising, what the equipment can and can't do, how to build a valve exercise program, exercising valves at wastewater and drinking water treatment plants.
- Session 6** – Site C                      8:45 a.m. – 9:15 a.m.                      0.5 hr.                      DW/WW  
**Topic:**                      **Asset Management Using Mobile Devices (part 2)**  
**Speaker:**                      **Ron Householder, CDP/MapSync Services**  
**Description:**                      This session is a continuation Session 3.
- Session 7** --Site A                      9:30 a.m. – 10:00 a.m.                      0.5 hr.                      DW  
**Topic:**                      **Remote Disconnect Meters**  
**Speaker:**                      **Brian Matteson, Mueller Systems**  
**Description:**                      This new technology for meters in the distribution system is emerging. This session will demonstrate a remote disconnect system for meters in the distribution systems with the goal of increasing operational efficiency. This session will offer hands on demonstration of the new technology.
- Session 8** – Site B                      9:30 a.m. – 10:00 a.m.                      0.5 hr.                      DW  
**Topic:**                      **Leak Detection (Part 1)**  
**Speaker:**                      **Jeff Merman, Automatic Controls Company, Inc.**  
**Description:**                      These sessions 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 and contrasted and their pros and cons discussed and demonstrated.
- Session 9** – Site C                      9:30 a.m. – 10:00 a.m.                      0.5 hr.                      DW/WW  
**Topic:**                      **The Use of Drones (Unmanned Aerial Vehicles) for Inspections and Surveys (Part 2)**  
**Speaker:**                      **Eric Muncy, Precision Products, Inc.**  
**Description:**                      This session is a continuation of Session 1.
- Session 10** --Site A                      10:15 a.m. – 10:45 a.m.                      0.5 hr.                      WW  
**Topic:**                      **The Collection System: Problems and Solutions**  
**Speaker:**                      **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 covered will include sources and controls of fats, oils, and greases, & collection system maintenance and Inspection. Also included will be odor control, where hydrogen sulfide problems come from, and methods of control.

- Session 11**--Site B                      10:15 a.m. – 10:45 a.m.                      0.5 hr.                      DW  
**Topic:**                      **Leak Detection (Part 2)**  
**Speaker:**                      **Jeff Merman, Automatic Controls Company, Inc.**  
**Description:**                      This session is a continuation of Session 8.
- Session 12**--Site C                      10:15 a.m. – 10:45 a.m.                      0.5 hr.                      DW  
**Topic:**                      **Couplings and Repair Clamps**  
**Speaker:**                      **Pete Brown, Krauz**  
**Description:**                      This session will cover couplings, pipe restraints, and repair couplings. The session will discuss where these products are best used, how to use them and the different varieties offered for different uses within the distribution system.
- Session 13**--Site A                      11:00 a.m. – 11:30 a.m.                      0.5 hr.                      WW  
**Topic:**                      **Sealing Manhole Chimneys**  
**Speaker:**                      **Matt Terranova, AJ Enterprises**  
**Description:**                      Manholes are a major source of inflow and infiltration, and 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 14**--Site B                      11:00 a.m. – 11:30 a.m.                      0.5 hr.                      DW  
**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 15**--Site C                      11:00 a.m. – 11:30 a.m.                      0.5 hr.                      DW/WW  
**Topic:**                      **GPS for Water and Wastewater Utilities (Part 1)**  
**Speaker:**                      **Eric Muncy, Precision Products, Inc.**  
**Description:**                      These sessions 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 16**--Site A                      11:45 a.m. – 12:15 p.m.                      0.5 hr.                      DW  
**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 and altitude valves and will show how simple the task can be.
- Session 17**--Site B                      11:45 a.m. – 12:15 p.m.                      0.5 hr.                      DW/WW  
**Topic:**                      **Water and Wastewater Analysis in the Field**  
**Speaker:**                      **Ted Simmons, Hach Company**  
**Description:**                      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.
- Session 18**--Site C                      11:45 a.m. – 12:15 p.m.                      0.5 hr.                      DW/WW  
**Topic:**                      **GPS for Water and Wastewater Utilities (Part 2)**  
**Speaker:**                      **Eric Muncy, Precision Products, Inc.**  
**Description:**                      This session is a continuation of Session 15.
- LUNCH:**                      12:15 p.m. to 1:30 p.m.
- Session 19**--Site D                      1:30 p.m. – 3:30 p.m.                      2.0 hrs.                      DW/WW  
**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 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.

**Session 20**—Site D

3:40 p.m. – 4:40 p.m.

1.0 hr.

DW/WW

**Topic:** Asset Management

**Presenter:** Steve Capps and Clem Wethington

**Description:** Asset management is a crucial practice for water and wastewater utilities. This session will cover the basics for asset management and specific for creating an asset management plan. Also included will be details as what needs to be included in the plan, the importance of the plan, and why it needs to be followed in the long term.

## 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.

**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.

**Steve Gott** started S & K Equipment Company in 2002. Prior to that his work experience included the companies Straeffler 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.

**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 Cumberland 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.

**Chuck Page** has served as the Safety and Compliance Manager of American Development Corporation since 2002. Previous work experience includes Safety & Environmental Supervisor for Frito-Lay from 1996-1998 and Safety & Environmental Supervisor for Eagle Snicks from 1991-1996.

**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.

**Scott Lewis** joined Lewis Municipal Sales in 2014, after twelve years in the IT field. With the growing prevalence of computerized control systems in the waterworks industry, Scott brings his in-depth knowledge of computer technology to the firm to assist customers in understanding the increasingly sophisticated capabilities of tools and equipment the firm offers. His current focus is on training customers in the use of line locating and leak detection products, and also assists customers in their purchase decisions involving valve exercising equipment; all three of which now incorporate sophisticated electronic controls.

**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).

**Matt Rankin** has been with Evapar since October 2009. In his position as territory manager he covers end users, electrical contractors, and engineers for new generators sales. His territory is central and eastern Kentucky. Although Matt lives in Lexington, the main office is located in Louisville, KY. Before working for Evapar Matt spent 19 years in electrical distribution supply houses. He graduated from Tate's Creek high school class of 1988.

**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.

**Brian Matteson** is the Territory Manager for KY, TN, and WV at Mueller Systems. His past experience includes positions such as Field Meter Specialist and Sales Rep at Waller's Meter. Brian is a graduate of Vincennes University.

**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.

**Kelth 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.

**Pete Brown** has served as the Territory Sales Manager for Krauz since 2013. Prior to becoming Sales Manager, Peter work in sales with Krauz from 2010-2013. Previous experience includes: Branch Manager with Ferguson Enterprises (2007-2008) and Outside Sales Representative with HD Supply (1990-2007). Peter is a graduate of Winona State University with a BS in Business Management/Business Law.

**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.

**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).

**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><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: 2016 Operator EXPO

B. Location and Date/s: Hardin County Fairgrounds, Glendale, KY May 24-25, 2016

C. Cost per Student or Group: \$ 50.00

D. Delivery Format or Media (check those that apply):

- |   |                                     |                                      |   |
|---|-------------------------------------|--------------------------------------|---|
| <input checked="" type="checkbox"/> Classroom | <input type="checkbox"/> Web/Online | <input type="checkbox"/> Laboratory  | <input type="checkbox"/> Exhibition     |
| <input type="checkbox"/> Field                | <input type="checkbox"/> CD-ROM     | <input type="checkbox"/> Video/Audio | <input type="checkbox"/> Correspondence |
| <input type="checkbox"/> Other (Explain)      | _____                               |                                      |   |



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

Drinking Water Treatment, Distribution and/or Bottled Water: 15 hrs.

Wastewater Treatment and/or Collection: 13 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

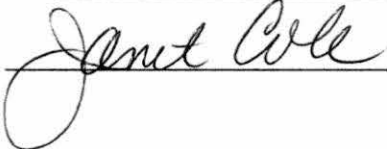
IV. **Additional Attachments** (required for distance learning courses, optional for other training):

- 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: 

April 5, 2016