



# Kentucky Rural Water Association

Helping water and wastewater utilities help themselves

July 12, 2013

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PUBLIC SERVICE  
COMMISSION

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

Dear Mr. Derouen:

Kentucky Rural Water Association will host its 34<sup>th</sup> Annual Conference and Exhibition, **Common Threads**, at the Hyatt Regency and Lexington Center in Lexington, Kentucky on August 26-28, 2013. We respectfully request that this training be approved for Commissioners as referenced in regulation 807 KAR 5:070.

Please find enclosed a timed agenda which includes a description of each session and speaker information. Request for approval for continuing education credit for Drinking Water and Wastewater Operators was approved by the Kentucky Board of Certification of Water Treatment & Distribution System Operators and the Kentucky Board of Certification of Wastewater System Operators. A copy of their approval notification is included.

With this letter and enclosures, Kentucky Rural Water Association requests the approval of a maximum of twelve (12) hours of continuing education training 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](mailto:j.cole@krwa.org)

Enclosures  
(Original and 10 copies)

**Kentucky Rural Water Association's  
34<sup>nd</sup> Annual Conference and Exhibition – *Common Threads*  
August 26 – August 28, 2013  
Hyatt Regency and Lexington Convention Center - Lexington, Kentucky**

Learning Objective: This 3-day Annual Conference will be directed toward the operators, managers, office personnel, and decision-makers of water and wastewater utilities in Kentucky. The expertise of peers, technical assistance providers, industry professionals, and government agencies will focus on the “*common threads*” connecting those in our industry.

**Day One – Monday, August 26, 2013**

**Session #1**                      ***Ice Pigging—Cleaning Distribution and Collection System Lines with Ice***                      **DW / WW**                      (1 hr)  
8:30-9:30 A.M.                      **Brad Gresham, Utility Service Company**

This session covers a new technique for cleaning drinking water distribution systems and wastewater force mains using slush ice. 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.

**Session #2**                      ***Installation & Application Consideration of Traditional Ultrasonic Flow Meters & New Generation Hybrid Meters***                      **DW / WW**                      (1 hr)  
9:40-10:40 A.M.                      **Jeff Merman, Automatic Controls Co.**

This session is intended to provide training in three areas. First, is to gain a basic understanding of ultrasonic flow measurement principals. Next is to provide a review of the necessary considerations for successful installation and operation of conventional ultrasonic flow meters. Finally, it is intended to introduce and provide technology, application, and installation information about the new generation of hybrid meters.

**Session #3**                      ***Pipeline Services-Options for Operators to Maintain & Control Infrastructure without Shutdowns***                      **DW / WW**                      (1 hr)  
2:10-4:20 P.M.                      **Ron Weston, Culy Contracting**

This session will cover methods for operators to control their systems in the event of maintenance and emergency situations by means of valve insertions and line stopping services. Topics covered are methods, technical differences and applications for all water/waste water applications.

**11:50 A.M.-1:00 P.M.      LUNCH**

**Session #4**                      ***5 Common-Sense Practices of Well Run Water and Wastewater Facilities (Part 1)***                      **DW / WW**                      (1 hr)  
10:50-11:50 A.M.                      **Mike Harrington, USA Bluebook**

This program looks at common misunderstood key elements to achieve well run operations at water and wastewater utilities. Included in the session will be the importance of measurement parameters, operational practices in the chemical feed process, tips for preventing catastrophic disasters, and other key practices when dealing with chemicals.

**Session #5**                      ***5 Common-Sense Practices of Well Run Water and Wastewater Facilities (Part 2)***                      **DW / WW**                      (1 hr)  
10:50-11:50 A.M.                      **Mike Harrington, USA Bluebook**

**Session #6**                      ***Using VFDs to Save Energy in Water and Wastewater***                      **DW / WW**                      (1 hr)  
1:00-2:00 P.M.                      **Joseph Halliday, Danfoss Drives**

Variable Frequency Drives (VFD) may be applied to pumping and aeration applications in today’s water treatment and wastewater treatment processes. This presentation will take a closer look at how we go about reducing energy costs on these applications.

**Day Two – Tuesday, August 27, 2013**

**1:30-4:50 P.M.                      General Session**

**Session #7**                      ***Common Threads in the Water & Wastewater Industry in Kentucky***                      **DW / WW**                      (1.5 hrs)  
1:30-3:00 P.M.                      **Jim Smith, President, Kentucky Rural Water Association**  
**Rob Johnson, President, National Rural Water Association**  
**Andy Barr, Congressman, 6<sup>th</sup> District of Kentucky**  
**Tony Wilder, Commissioner, Department of Local Government**

Water and wastewater utilities throughout Kentucky are facing a variety of issues. Some of the issues include: regulatory changes on the state and federal levels, Kentucky Special Districts Bill (HB1), dealing with the current economic situation, meeting consumer demands, promotion of the water industry, meeting staffing requirements, and the protection of human health and of our natural resources. The individuals listed above will speak about these *common threads* impacting utilities in Kentucky and the nation.

Session #8                      *The Effects of the Affordable Care Act on Water & Wastewater Utilities*                      DW / WW                      (1.5 hrs)  
3:20-4:50 P.M.                      Kelly Harding, Harding Benefits Consulting

The Affordable Care Act (ACA) is moving closer to full implementation. The ACA has the potential to significantly affect the budgets of Kentucky utilities, their future planning, and their ability to maintain technical, managerial, and financial capacity. Utilities may be faced with considerable changes to the cost and complexity of providing health insurance to their employees, which in turn will affect their operational ability, and their ability to provide quality service to their customers. This session will bring up to date information about the ACA and its potential effects on water and wastewater utilities.

### Day Three – Wednesday, August 28, 2013

8:30-11:50 A.M.                      **Concurrent Sessions**

**Concurrent A**                      Thoroughbred Room #4

Session #9A                      *Wastewater Laboratory Certification: Development of a Quality Control Program*  
8:30-9:30 A.M.                      Rita Wright, Fouser Environmental Services                      WW                      (1 hr)

Many requirements that a laboratory must adhere to in order to receive certification from the Kentucky Division of Water came as a result of the approval of the wastewater laboratory certification program in 401KAR 5:320 for laboratories performing wastewater analysis. This session will review general requirements, development of a Quality Assurance Plan and Standard Operating Procedures, field sampling and sample receipt, instrument calibration and analytical method quality control requirements.

Session #10A                      *Process Focused & Energy Efficient Approaches to Automated Wastewater Aeration Control System*  
9:40-10:40 A.M.                      Jonathon Cummings, Wascon                      WW                      (1 hr)

Automated wastewater aeration control systems have been around for a long time. Unfortunately, their limitations have historically been on accuracy, reliability and a lack of focus on the aeration process energy efficiency. In recent years, new systems have been developed that aim to overcome these limitations. This session will provide updated information on the latest aeration control concepts and how they are being successfully implemented at wastewater treatment plants, and the operations savings these systems provide in the form of reduces energy usage.

Session #11A                      *High Performance Immersion Coating for Municipal Wastewater Collection and Treatment Systems*  
10:50-11:50 A.M.                      Micheal Barnhill, Tnemec                      WW                      (1 hr)

This presentation will discuss the characteristics of municipal wastewater, define collection and treatment systems and discuss the newest high-performance immersion coatings for severe wastewater exposure.

**Concurrent B**                      Thoroughbred Room #1

Session #12B                      *Water Loss Reduction Through Pressure Management*                      DW                      (1 hr)  
8:30-9:30 A.M.                      Wayne Grooms, Singer Valve

This session will cover water loss reduction through the management of water pressure within the distribution system. Topics covered will include leakage reduction measures, break frequencies, district metered areas, pilot operated control valve quality, specification and applications. Also covered will be the financial impacts and advantages of pressure management.

Session #13B                      *Intelligent Water Quality Management*  
9:40-10:40 A.M.                      Harold Mosley, Mueller Company                      DW                      (1 hr)

This session will cover a new system for automated flushing and distribution water quality maintenance. The advanced system management offered by new flushing technologies makes it possible to enhance water quality, warn of a potential breach in safety and security in a line, identify and address low disinfectant residual conditions, and assist in the maintenance of awhile enhancing a utility's compliance efforts through automated flushing.

Session #14B                      *Emergency Response*                      DW/WW                      (1 hr)  
10:50 -11:50 A.M.                      Anne Powell, Water Infrastructure Branch, Capacity Development Program  
Jennifer Spradlin, Water Infrastructure Branch, Capacity Development Program  
Joe Burns, Kentucky Rural Water Association

This session will cover how the Kentucky Division of Water, the Capacity Development Program, the Kentucky Infrastructure Authority, KYWARN, and Kentucky Rural Water Association, using their *common threads*, are working together to help Kentucky utilities. This session will focus on how these entities have come together to help utilities with Emergency Response Plan templates to enhance the response to and recovery from natural or manmade disasters.

**Concurrent C**

**Thoroughbred Rooms #2/3**

**Session #15C**

8:30-9:30 A.M.

***Utility Management Certification Program***

**Andy Lange, Kentucky Rural Water Association**

**DW / WW**

**(1 hr)**

Water University, a National/State Rural Water Association consortium, offers a professional certification for experienced managers of water and wastewater utilities in the United States. The Kentucky Rural Water Association offers this certification to member utility personnel on an individual basis or in a classroom setting. A Study Guide has been published that focuses on Capacity Development and Sustainability by covering topics/subjects including financial, technical, and managerial sustainability. Kentucky has nearly twenty-five utility professionals who have earned the UMC designation. This session will describe the UMC program requirements, registration, cost, and renewal procedures to attendees.

**Session #16C**

9:40-10:40 A.M.

***911 Service Charges on Water Meters***

**Damon Talley, General Counsel, Kentucky Rural Water Association**

**DW**

**(1 hr)**

A recent Circuit Court decision upheld the fiscal court's imposition of a charge/fee on every water meter in Garrard and Lincoln Counties. Both counties passed ordinances that established this fee that has traditionally been levied only on telephone service. The 911 fees are used to pay for emergency centers in cities/counties for dispatching ambulances and law enforcement assistance in response to 911 calls. This case has been appealed to the Kentucky Court of Appeals by the City of Lancaster and the Garrard County Water Association. Many county governments are watching this case to clear the way for imposing these fees on water providers and/ or water customers throughout Kentucky.

**Session #17C**

10:50-11:50 A.M.

***Working with Difficult People***

**Robert Mohon, The Neil Group**

**DW / WW**

**(1 hr)**

Community and public relations can be one of the most important tasks performed by a utility. Typically, community and public relations is thought of as education programs and public outreach. However, dealing with dissatisfied or angry customers can be one of the most important aspects of good public relations. This session will focus on working with difficult people and ensuring that utilities can have a good public relationship, even with difficult customers.

**Request for Continuing Education Credit**

The seventeen sessions presented during this three-day event will offer a total of 15 hours of continuing education training for drinking water and wastewater personnel. The maximum number of hours that can be earned each day is listed below.

Monday, August 26, 2013	6
Tuesday, August 27, 2013	3
Wednesday, August 28, 2013	3
	<hr/>
Total maximum continuing education credits:	12

Criteria for Training Credits: Credit will be granted for actual time attending a training session. An individual sheet will be provided to each participant to record attendance at the sessions. This sheet will be stamped by Kentucky Rural Water Association (KRWA) personnel after the completion of each session. Individuals must return the completed sheet to KRWA before leaving the conference to receive continuing education credit.

With the breakdown of hours as noted above, Kentucky Rural Water Association requests the approval of a maximum of twelve (12) hours continuing education credit for drinking water and wastewater personnel.

## **SPEAKER BIOS**

**Brad Gresham** is a Water System Specialist with Utility Service Company whose territory includes eight southeastern states with a primary focus on Water Quality, Water Well Services, Asset Management, Water Conservation and Communications and Site Management. He has a Bachelor's degree in Political Science and a Master's degree in Public Health from Emory University and has worked in the water industry for over ten years. Before joining USG, Brad worked as the Director of the Coweta County Water and Sewerage Authority in Newnan, Georgia as well as Water Quality Municipal Sales in the southeast.

**JEFF MERMAN**, President, Automatic Controls Co., has over 30 years experience selling industrial instrumentation and controls in the Commonwealth of Kentucky. Highlights include: 21+ years with Automatic Controls Co.; Prior speaker at various ISA Conferences, TAPPI & other Water & Waste Water Training Classes; 25 Year Member of ISA; Other memberships: Kentucky Rural Water Assn., The Vibration Institute, and agency member of MANA.

**Ron Weston** is currently the Director of Pipeline Services for Culy Contracting and our service area spans 26 states. I have been associated in all aspects of the pipeline industry since 1986 such as industrial, commercial, and municipal installation, maintenance, and intervention. He has also provided consulting and planning for engineers and plant managers to maintain asset uptime and minimize shut downs.

**Mike Harrington**, USA BlueBook, since 1996, provides product marketing and training for manufacturers, large distributors and rural water association state affiliates serving the small to midsize water/wastewater facility. Education includes: Graduate Work, Wilmington College, Dover, DE; BSBA degree, Columbia Union College, Takoma Park, MD-1988; AA degree, Chesapeake College, Wye Mills, MD-1975; Variety of technical seminars, short courses, water and wastewater treatment, industrial water, and solid waste management-1972-1978; Technical school diploma, water & Wastewater treatment, Crowder College, (formerly Water & Wastewater Technical School) Neosho, MD-1971

**Joseph Halliday**, Regional Sales Manager with Danfoss Drives (3 years)  
Duties: Northeast Region sales management, Rep and distributor management and training.  
Education: Bachelors, University of Rochester, 1986  
Additional Experience: Sierra Instruments, Director of Sales, 1997-2010  
Manufacturer's rep, 1995-1997 Upstate NY region  
US Naval Aviator 1986 to 1995, Helicopter Pilot, Desert Storm Veteran

**Jim Smith**, Carroll County Water District #1, currently serves as President of the Board of Directors of Kentucky Rural Water Association. Jim is a graduate of Perdue University (1966) with a degree in Chemical Engineering. In 2002 he earned his UMP designation as a graduate of the Utility Management Institute. He has returned to the UMI classroom as a teacher on several occasions.

**Rob Johnson** is an ancient graduate of what was then Central State University (now the University of Central Oklahoma) and has a graduate degree from the University of Arkansas. He taught five years at Southeast Missouri State University before joining National Rural Water Association (NRWA) in 1978. He became the Chief Executive Officer in 1985 and works for a 48 member board of directors. NRWA has member associations in 49 states and their office is located in Duncan, Oklahoma.

**Congressman Andy Barr**, Congressman, 6<sup>th</sup> District of Kentucky, 2013-Present  
Graduate of the University of Virginia and the University of Kentucky College of Law  
Served as Deputy General Counsel to Gov. Ernie Fletcher

**Tony Wilder** - Governor Steve Beshear appointed Tony Wilder as Commissioner of the Department for Local Government (DLG) in April 2008. Prior to his appointment, Commissioner Wilder served as Boyle County Judge/Executive for over 14 years. He was also Boyle County Circuit Court Clerk from 1988-93. At the Department for Local Government, Commissioner Wilder spearheads all federal and state grants projects, administering over 111 million dollars. In conjunction with his role as Commissioner, he serves on the Kentucky Housing Corporation Board, PRIDE, and is Chairman of the Kentucky Infrastructure. Commissioner Wilder received his bachelor's degree in history and political science from Eastern Kentucky University.

**Kelly Harding** has been the owner of Harding Benefits Consulting for ten years. His firm works with all types of benefits but specializes in health benefits for public entities. Kelly frequently speaks on the topic of health care and the Affordable Care Act including at Kentucky League of Cities and Kentucky Association of Counties events. Kelly also is the Co-Manager of the KACo Association Health Plans.

**Rita Wright** is currently the Coordinator of Training Program/Microbiology Consultant for Fouser Environmental Services. Presently, she is developing a new training program section for Fouser Environmental to teach courses for water and wastewater operators as well as laboratory analyst. She also acts as a consultant on methods and regulatory updates in the Microbiology Department. Previously, she served as the Laboratory Manager of the State of Kentucky's Principle Microbiology Laboratory for 20 years as well as an auditor of microbiology laboratories for the Kentucky Division of Water for 12 years. Ms. Wright has also taught Environmental Science, Microbiology and Introductory Biology Courses at Morehead State University for 14 years.

**Jonathan Cummings** has worked for WASCON since 2004 where he started in Service (rebuilding grinder pumps and onto service calls) and worked his way into sales. He now maintains inside sales covering all quotes that are required on all jobs in both municipal fields. Jonathan also classes on troubleshooting and repair of sewer pumps in the field and in a classroom setting.

**Michael Barnhill**, Coating Consultant for Tnemec. Michael understands the importance of proper surface preparation and application, having spent more than eight years as a union painter and 25 years in the coatings industry. He also received sales training at the Xerox University in Leesburg, Va., and was employed by Induron Protective Coatings for two years prior to joining Tnemec, where he has been for 17 years. In addition to being a NACE Level I Coating Inspector, Michael is a member of the Evansville and Louisville Chapters of the Construction Specifications Institute (CSI). He earned his bachelor's degree from the University of Evansville.

**Wayne Grooms** is the Northeast US Sales Account Manager for Singer Valve, LLC in Charlotte, North Carolina. Wayne has over 18 years of experience with commercial construction and sales related to the specifying, installation, and startup of automatic control valves from various manufacturers and for a wide variety of applications in potable water, wastewater, and reclaimed water.

**Harold Mosley**, Mueller Co.

Mr. Mosley's primary responsibilities include management of all operations including development of annual strategic marketing and sales plans; corporate communications; marketing; collateral design; new business development; management of customer care initiatives; management of the organization's internal sales force and its independent representative network; and management of the manufacturing processes for all products manufactured by Environmental Enhancement and Technologies USA including the revolutionary Hydro-Guard® S.M.A.R.T. Automatic Flushing Systems and Safety-Guard® BOSS line of bacteriological sampling stations.

**Anne Powell** is the Capacity Development Program Manager at the Water Infrastructure Branch of the Kentucky Division of Water which helps public drinking water systems improve or optimize their technical, managerial and financial framework so they can provide safe drinking water in a consistent and cost-effective manner.

**Jennifer Spradlin** started her career with the Department of Environmental Protection in 1999, in the Underground Storage Branch of the Division of Waste Management. After also working in the Recycling and Local Assistance Branch for a few years, she moved to the Division of Water. She started in the KPDES Branch of the Division of Water and she is now working in the Capacity Development Section of the Water Infrastructure Branch. She received her Bachelor's degree in Animal Science and Master's degree in Business Administration from the University of Kentucky.

**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.

**Andy Lange** is the Assistant Director for the Kentucky Rural Water Association (KRWA) and has been employed there since 1989. Mr. Lange is involved with all management and administrative activities of the Association. He oversees the Utility Management Institute (UMI) and Utility Management Certification (UMC) programs. In addition, Mr. Lange has been involved in the production of over seventy-five operation and maintenance manuals for water systems, has produced the final report for the Kentucky River Authority Water Counts project, and has participated in, and written, Operation Review studies for three (3) water and wastewater utilities since 1995.

**Damon Talley**, serves as General Counsel for Kentucky Rural Water Association

1983 – Present: Engaged in the general practice of law with primary emphasis on representing utilities **Law School:**  
University of Kentucky College of Law, Juris Doctor – May 1975  
Undergraduate: University of Kentucky College of Engineering, Bachelor of Science-Mechanical Engineering

**Robert Mohon's** responsibilities at The Neil Group include sales and marketing. In 1995, Robert began his career in the credit card processing industry and set up one of the very first websites to accept online credit card payments. With a degree in Marketing from Auburn University, Robert has helped grow the client base of the company through sales process development, CRM, and client support improvements. Robert's areas of expertise have expanded beyond websites and electronic payments to include security issues that affect utilities.



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)

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**JUN 24 2013**

**KY RURAL WATER  
ASSOCIATION**

June 17, 2013

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
34th Annual Conference & Expo - Common Threads	8/26/2013	DW - 15.0 Hours approved	11997	One time Approval
34th Annual Conference & Expo - Common Threads	8/26/2013	WW - 15.0 Hours approved	11997	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,

Lisa Butler  
Certification and Licensing Branch