



Kentucky Rural Water Association

Helping water and wastewater utilities help themselves

RECEIVED

June 23, 2017

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Public Service
Commission

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

Dear Ms. Mathews:

Kentucky Rural Water Association will host its 38th Annual Conference and Exhibition, ***Shaping the Future***, at the Hyatt Regency Hotel and Lexington Convention Center in Lexington, Kentucky, on August 28-30, 2017. We respectfully request that this training be approved for Commissioners as referenced in regulation 807 KAR 5:070.

Please find enclosed a training summary/timed agenda which includes a description of each session and speaker information. An "Application for Approval of Courses for Continuing Education Credit" has been submitted to the Kentucky Board of Certification of Water Treatment & Distribution System Operators and the Kentucky Board of Certification of Wastewater System Operators. A copy of the application is included.

With this letter and enclosures, Kentucky Rural Water Association requests the approval of a maximum of twelve (12) 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)

**Kentucky Rural Water Association's
38th Annual Conference and Exhibition –*Shaping the Future*
August 28-30, 2017
Hyatt Regency Hotel and Lexington Convention Center
Lexington, Kentucky**

Learning Objective: This 3-day event 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 help utilities “**Shape the Future**” of their utility and the industry.

Monday, August 28, 2017 – Combined Training for Water and Wastewater Operators

8:30 a.m. – 9:30 a.m.

1 hr. (DW/WW)

Session 1: Public Relations on a Small Budget

Presenter: Robert Mohon, The Neil Group

How fast can bad news spread about you? Public relations are important for utilities of all sizes, but small utilities have small budgets and often don't have enough staff to devote someone to public relations. Get ahead of it by sharing your side of the story with these ideas: what people care about, what people notice, ways to get your message out, when to put a face with a name, and how to share the right information. This session will show ways for small utilities to conduct public relations and help improve their standing with their customers.

9:40 a.m. – 10:40 a.m.

1 hr. (DW/WW)

Session 2: Certificates of Public Convenience & Necessity: Everything You Wanted to Know But Were Afraid to Ask the PSC

Presenter: Gerald Weutcher, Stoll Keenon Ogden

Recently, utilities have faced enforcement proceedings before PSC for failing to obtain a Certificate of Public Convenience & Necessity (CPCN). This presentation will discuss when a public water or wastewater utility is required to apply for a CPCN and when none is required. It will also discuss the contents of a CPCN application and various strategies to increase the likelihood of prompt regulatory review & approval of an application for a CPCN.

10:50 a.m. – 11:50 a.m.

1 hr. (DW/WW)

Session 3: Mobile Technology: New Advances to Benefit Utilities

Presenter: Eric Muncy, Precision Products

Mobile technology has become increasingly affordable and most of us use it, in some form, every day. GIS & GPS tools, scanning technology and facility datasets are becoming more affordable and are increasingly “mobile” friendly. This presentation explores how mobile technology, combined with GIS & GPS, can benefit asset management efforts by improving efficiency and productivity. This session will also address mobile scanning technology to create 3D point clouds for manholes, treatment plants, and other utility assets.

Lunch: 11:50 a.m. – 1:00 p.m.

1:00 p.m. - 2:00 p.m.

1 hr. (DW/WW)

Session 4: Better Life Through Chemicals – Staying with the Flow

Presenter: Don Van Veldhuizen, USA Bluebook

Chemical feeding pumps are crucial to the operations of both water and wastewater utilities. This session will cover the most common types of chemical feed pumps, diaphragm and peristaltic. Attendees will learn about applications, operation, maintenance and troubleshooting of these work horses. Discussion will also include calculating doses and setting the controls of the equipment.

2:10 p.m. – 3:10 p.m.

1 hr. (DW/WW)

Session 5: The Dos and Don'ts of a Complete Tracer Wire System

Presenter: Mike Moore, Copperhead Industries

Line location is a common and frustrating chore for water and wastewater utilities. This presentation consists of a complete overview of the proper written specifications and best installation practices of tracer wire. Included in this session will be examples of common mistakes and corrected procedures. The presentation also focuses on long term tracer wire system design that will operate effectively into the future.

3:20 p.m. – 4:20 p.m.

1 hr. (DW/WW)

Session 6: Lead and Copper in the Waste Stream: Effects on Drinking Water and Wastewater Utilities

Presenter: Jim Collins, Brenntag Mid-South

This presentation will address the effects of lead and copper in the waste stream that ultimately gets discharged to a river, reservoir or lake near a drinking water treatment facility's intake. Discussion will include how lead and copper are used in industry, how it is treated, and how it is removed from wastewater within a particular industrial location. This session will also explain what happens when industrial lead and copper enter into the source water

Tuesday, August 29, 2017 – Concurrent Sessions – A, B, & C

Concurrent A (DW):

1:30 p.m. – 2:30 p.m.

1 hr. (DW)

Session 7A: Utilizing Bacteria Testing to Improve Water Quality

Presenter: Bob Cashion, S4 Water Sales and Services

Water quality standards continue to be monitored for organic and inorganic fouling. Bulk water and substrates can be monitored for detection of specific bacteria that can help head off issues of high chlorine demand, taste and odors and dirty water complaints from water customers. This presentation will provide simple testing and monitoring parameters to improve overall improvements in water quality. Case studies will be shown that will show the benefits and drop in chlorine demand after the implementation of system wide monitoring and reactive approach to system control.

2:40 p.m. – 3:40 p.m.

1 hr. (DW)

Session 8A: Drought Management Planning for Small Systems in Kentucky

Presenter: Ron McMaine, Bell Engineering

Texas and California are known for their droughts, but drought management planning is also important in the "water rich" state of Kentucky. This presentation details the current and planned long range efforts of Berea to reduce the potential effects of a drought, taking into account projected population increase in the area. Discussion will include different strategies/how applicable they are in Kentucky and will provide examples of how to calculate projected savings for different water conservation steps.

3:50 p.m. – 4:50 p.m.

1 hr. (DW)

Session 9A: Granular Activated Carbon for Small Utilities

Presenter: Jack Adams, Calgon Carbon Corporation

Granular Activated Carbon is an established technology for water treatment; however, the technology has been considered too expensive for smaller water treatment plants to adopt. This session covers how new advances in the technology, as well as the reuse of expended GAC, has brought the costs of GAC treatment down. In addition, information concerning the benefits of the GAC treatment process will be covered.

Concurrent B (WW):

1:30 p.m. – 2:30 p.m.

1 hr. (WW)

Session 10B: Moving Towards Resource Recovery and Sustainable Operations

Presenter: Tom Kutcher, Director of Public Works and Utilities, City of Murray

Murray Water & Wastewater entered into an Agreed Order with the KY DOW and US EPA to address aging infrastructure and more stringent effluent limits. Actions that have resulted from the agreed order, including the capital improvement plan that was placed into action to upgrade the capacity and level of treatment at the wastewater treatment facility will be discussed. This session will also highlight the technological advancements in the new Water Resource Recovery Facility.

2:40 p.m. – 3:40 p.m.

1 hr. (WW)

Session 11B: Introduction to Whole Effluent Toxicity Testing

Presenter: Stephanie Hawkins, SGS North America

This session is an introduction of Whole Effluent Toxicity (WET) Testing. Topics will include the testing requirements and procedures according to EPA Methods for both chronic and acute test methods for the following species: Pimephales promelas (chronic & acute), Ceriodaphnia dubia (chronic & acute), Daphnia magna (acute). Also covered will be sampling requirements and shipping options.

3:40 p.m. – 4:40 p.m. 1 hr. (WW)

Session 12B: Phosphorous Removal for Wastewater Treatment Plant Applications

Presenter: Brandt Cashion, S4 Water Sales and Service

New phosphorous discharge limitations have been rumored and seen on recent KPDES permits. This presentation will provide information for removing influent phosphorous utilizing existing treatment strategies, anoxic zone treatment applications, chemical precipitation and additional biological enhancement. Also included will be the results of several ongoing phosphorous reduction projects that will provide real time case study documentation.

Concurrent C (DW/WW):

1:30 p.m. – 2:30 p.m.

Session 13C: Utility Regulatory Forum 1 hr. (DW/WW)

Presenter: Damon Talley, General Counsel, Kentucky Rural Water Association

This session will be a forum to discuss current regulatory matters facing the water and wastewater industry. Topics will include a wide range of regulatory and compliance issues affecting the management and administration of utilities (i.e., changes to PSC regulations, impact of 911 call service, rate proceedings, and how recent actions/decisions may influence utility operations).

2:40 p.m. – 3:40 p.m.

1 hr. (DW/WW)

Session 14C: PSC Perspectives

Presenter: Gerald Weutcher, Stoll Keenon Ogden

This session will cover issues that have recently arisen as a result of actions from the Public Service Commission. The PSC has recently made changes to how they view water loss, employee benefits, and depreciation with regards to requests for rate changes. This has the potential of significantly impacting the short and long term financial capacity of utilities covered by the PSC.

3:40 p.m. – 4:40 p.m.

Session 15C: KIA/KRWA Forum

1 hr. (DW/WW)

**Presenters: Donna McNeil, Kentucky Infrastructure Authority
Andy Lange, Kentucky Rural Water Association**

This session will cover news and changes from the Kentucky Infrastructure Authority (KIA) including an update on financing available to utilities from the KIA. Also addressed will be the Appalachian Regional Commission (ARC) and what the grant awarded to KRWA will mean to water and wastewater utilities in need of technical assistance.

Wednesday, August 30, 2017 – General Session

8:30 a.m. – 9:15 a.m.

.75 hr. (DW/WW)

Session 16: Shaping the Future – An Update from the National Rural Water Association (NRWA)

Presenter: Steve Fletcher, President, National Rural Water Association

This session will provide a message from National Rural Water and will highlight strides being made on behalf of water and wastewater utilities from the national perspective.

9:25 a.m. – 10:10 a.m.

.75 hr. (DW/WW)

Session 17: Shaping the Future – An Update from the Kentucky Rural Water Association (KRWA)

Presenter: Gary Larimore, Executive Director, Kentucky Rural Water Association

Through training, technical assistance programs, and advocacy, KRWA continues to help water and wastewater utilities help themselves in shaping the future of their utilities. This session will highlight the progress and continued work being made on all fronts.

10:20 a.m. – 11:05 a.m.

.75 hr. (DW/WW)

Session 18: Shaping the Future – An Update from the Department for Local Government (DLG)

Presenter: Sandra Dunahoo, Commissioner, Department for Local Government

This session will focus on ways the Department for Local Government is helping to shape the future of Kentucky utilities through grant and loan assistance, along with matters of budget, personnel and other issues relevant to utilities

11:05 a.m. – 11:50 a.m.

.75 hr (DW/WW)

Session 19: Shaping the Future – An Update from the Kentucky Infrastructure Authority (KIA)

Presenter: Donna McNeil, Executive Director, Kentucky Infrastructure Authority

Through various programs currently offered, KIA is helping shape the future of Kentucky communities by providing funding for public works projects. As an administrative branch of the DLG, Kentucky Infrastructure is continually growing and expanding its services.

Criteria for Training Credits:

An individual sheet will be provided to participants to record actual time attending 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. The 19 sessions presented during this three-day event will offer a total of 15 hours of continuing education training. The maximum number of training credit hours each day is outlined below

Monday, August 28, 2017	6
Tuesday, August 29, 2017	3
Wednesday, August 30, 2017	3
Total maximum continuing education credits:	12

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

SPEAKER BIOS

Robert Mohon of The Neil Group is a veteran of the credit card, debit card and check processing industry. 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 is an Ambassador of the Brentwood Chamber of Commerce (TN), a Board Member of the Nashville Investors Group, and past member of the Minds in Motion Advisory Board and Nashville Business Breakfast Club. His expertise includes advising clients on security (customer, employee, office), technology, internal controls, interpersonal skills, leadership, and social media/public relations.

Sessions 2 and 14C

Gerald E. Wuetcher joined the law firm of Stoll/Keenon/Ogden in March, 2014. He was employed from 1987- 2014 as a staff attorney with the Public Service Commission of Kentucky, where he represented the Public Service Commission in administrative and judicial proceedings involving the rates and service of electric, gas, telecommunications, water and sewer utilities. He was principally assigned to the electric, water and sewer utility areas. Jerry served as a judge advocate with the United States Army from September 1984 through July 1987. He is a graduate from John Hopkins University (May 1981) with a Bachelor of Arts Degree in History (with Honors). He received a Juris Doctorate Degree from Emory University Law School in May 1984 and was admitted to the State Bars of Georgia and Kentucky.

Eric Muncy is the Mapping-GIS Sales Consultant for **Precislon 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.

Don Van Veldhuizen is the Senior Technical Support Representative/Technical Training Manager for USA Bluebook. He has been in the water/wastewater field for 30 years in various roles including operations, management, consulting and research. He advises and provides training for numerous water & Wastewater systems throughout the United States and overseas. Holding certifications in both water & Wastewater, he instructs from an operational standpoint using a variety of instructional tools to encourage class participation, including hands-on applications where appropriate. Don is a Certified Environmental Training (CET) with the National Environmental Training Association (NETA).

Mike Moore is the North American Market Manager for Copperhead Industries. He joined the organization in 2007. Mike has a degree in Electrical Engineering from the University of Minnesota. He volunteers his time as a Board Member for the Treasure Scholarship Fund and previously served as a volunteer fireman and EMT.

Jim Collins is the Business Development Manager for Brenntag Mid-South, Inc. He has 37 years of experience in the industrial chemical industry. He is currently President of Indiana Industrial Operators Association, a Registered Industrial Waste Water Professional in Indiana, a Certified Electro Finisher, and is on the Board of Directors of the Indianapolis Branch of the National Association of Surface Finishers. Jim holds a Bachelors Degree from Indiana State University - major in marketing - minor in economics.

Robert K. (Bob) Cashlon is a Nationally Certified Water Technologist, he holds class IV Water & Wastewater operators licenses in several states and has been providing water & wastewater related training for over 38 years, he is the Business Development Manager for S4 Water Sales & Services, and is involved extensively in operations and maintenance issues of filtration systems and water quality assessment projects. He is an active member in the AWWA and NRWA and various State associations where he has won several outstanding educational leadership awards. He has a BS degree in Environmental Health & Technology from Missouri Southern State University and a graduate of the Water & Wastewater Technical College, Neosho, MO.

Ron McMalne is a Senior Vice President with Bell Engineering. He is a professional engineer, holds a Kentucky class 4 Water Plant and Class 4 Distribution System Operator's License, and has more than 40 years of experience in the water industry, in the municipal sector with the city of Hazard (KY), and with the Frankfort (KY), Plant Board, and in the private sector with Bell Engineering for 39 years. In his other life, he and his wife grow vegetables, produce numerous value added products, and sell on several farmers' markets.

Jack Adams with Calgon Carbon, has more than 30 years of experience as a business and technology manager. He is broadly recognized for his innovative approaches to national and international technology commercialization activities with public and private organizations. Jack leads the Government Affairs activities for Calgon Carbon Corporation. Calgon Carbon is a leading producer of granular and powdered activated carbon, UV disinfection systems, and advanced ion-exchange technology systems.

Tom Kutcher is the Director of Public Works and Utilities for the City of Murray. Tom holds a Master's degree in Sanitary Engineering from Marquette University, is a registered Professional Engineer, and holds a Class IV Wastewater Operator license and Class IC-A Drinking Water license in Kentucky. He has 45 years of experience as a process engineer, operator trainer, and troubleshooter. Tom has worked for public utilities, design engineering firms, general contractors, equipment manufacturers, and owned an operations consulting firm for 20 years. He is a past president of the Ohio WEA, a 5S member, a life member of AWWA and WEF, and has been award numerous awards.

Stephanie Hawkins began her career with SGS Minerals as the Supervisor of the Bioassay Laboratory in Sophia, West Virginia in 2008. From 2008 to 2012, she conducted Whole Effluent Toxicity (WET) Testing. Ms. Hawkins, originally from West Virginia, obtained a B.S. in Applied Science from Bluefield State College in 2006. She opened the first high calcium laboratory for Pounding Mill Quarry specializing in XRF analysis of limestone before beginning her career with SGS Minerals. Stephanie now supports the SGS North American region for Strategic Transformation, Innovation, and Sustainability and continues to support the Minerals division in aquatic toxicity, as needed.

Brandt Cashon is the President of S4 Water Sales & Services. The company combines practical knowledge and experience to best advise clients on new technologies and best treatment practices. Brandt's previous experiences include a successful career in the Army, as a First Lieutenant in the paratroopers, technical and sales representative for Southeastern Laboratories and a Field Representative for Hach Company.

Damon Talley joined Stoll Keenon Ogden PLLC (SKO) on May 1, 2015. He is a member of the Utility & Energy practice. He practices out of the Hodgenville, Louisville, and Lexington, Kentucky offices. Damon brings to SKO more than 35 years of experience working in private practice focusing on public utility work. He serves as General Counsel of the Kentucky Rural Water Association and has served in this capacity since 1979. Damon received his J.D. from the University of Kentucky College of Law in 1975, and earned his B.S.M.E. in 1972 from the University of Kentucky College of Engineering.

Sessions 15C and 18

Donna McNeil took on the role of Executive Director for Kentucky Infrastructure Authority in February, 2017. From November 2013-February 2017, Donna served as a Compliance Specialist with Kentucky Rural Water Association. Prior to joining the KRWA staff, Donna was the Environmental Control Manager for the Kentucky Division of Water, where she was responsible for Kentucky's Drinking Water Program. Donna coordinated and implemented the capacity development program and the Drinking Water State Revolving Loan Program from 1997 to 2001. Donna also has experience in providing training on a wide-variety of water topics, reviewing engineering plans and specifications, on-site inspections, regulation development, and working with water-related groups and organizations. She also authored the CT Values guidance document and provided technical evaluation of the water treatment units. Donna received her Bachelor of Science Degree in Civil Engineering from the University of Kentucky.

Sessions 15C, 16 and 17

Andy Lange is the Assistant Director for the Kentucky Rural Water Association (KRWA) and has been employed there since 1989. Prior to joining KRWA, Mr. Lange worked for the Barren River Area Development District for five (5) years, providing administrative and financial assistance to local governments in the ten-county BRADD region. Mr. Lange has earned a Bachelor of Science in Geography and a Master of Public Administration from Western Kentucky University in Bowling Green, Kentucky. Mr. Lange's duties include involvement with all management and administrative activities of the Association. Other responsibilities include: coordinating and monitoring internal membership activities, producing and editing KRWA printed publications, and assisting in the administration of KRWA finance programs. He has been involved in the production of operation and maintenance manuals for water systems, the final report for the KY River Authority Water Counts project, and Operation Review studies for utilities.

Sessions 16 and 17

Gary Larimore has been Executive Director of the Kentucky Rural Water Association since its formation in March, 1979. He received both Bachelor of Science and Master of Public Service Degrees from Western Kentucky University in Bowling Green, Kentucky. Mr. Larimore is responsible for the administration and day-to-day operation of the association's office. His duties include budgeting and financial management, personnel management, and acting as the primary representative with the membership, the board of directors, and other outside organizations. Other primary duties include representing the Association's legislative and regulatory interests as a full-time lobbyist and working with water-related groups and organizations.

<p>Mail to:</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>Application for Approval of Courses for Continuing Education Credit</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>COPY</p>
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I. **Course Sponsor Information:** Agency Interest Number: 108571

A. Sponsoring Organization (school, business, association, etc.):

RECEIVED

Kentucky Rural Water Association

JUN 28 2017

Key Contact Person:

PUBLIC SERVICE
 COMMISSION

Name and Title: Janet Cole, Education Coordinator

Address: 1151 Old Porter Pike

City, State and Zip: Bowling Green, KY 42103

Phone and Fax: Ph: 270.843.2291 Fx: 270.796.8623

E-mail: j.cole@krwa.org

Web Page: www.krwa.org

One-Time Approval Requested

Two-Year Approval Requested

B. If individual requesting approval is different than the key contact person for the sponsor, please complete the following information:

Name and Title: _____

Address: _____

City, State and Zip: _____

Phone and Fax: _____

E-mail: _____

II. General Course Information:

A. Title: 38th Annual Conference and Exhibition - Shaping the Future

B. Location and Date/s: Hyatt Regency Hotel/Lexington Convention Center, Lexington, KY August 28-30, 2017

C. Cost per Student or Group: \$ 125.00

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. offered (maximum 12 hrs.)

Wastewater Treatment and/or Collection: 15 hrs. offered (maximum 12 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: 

June 6, 2017