



Kentucky Rural Water Association

Helping water and wastewater utilities help themselves

July 2, 2012

RECEIVED

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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 33rd Annual Conference and Exhibition, ***Searching for Effective Solutions***, at the Galt House Hotel & Suites in Louisville, Kentucky on August 20-22, 2012. We respectfully request that this training be approved for Commissioners as referenced in regulation 807 KAR 5:070.

Please find enclosed a timed agenda, 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 total 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

Enclosures
(Original and 5 copies)

Day Two – Tuesday, August 21, 2012

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

Session #7 *Utilities and Community and Public Relations* **DW / WW** (1.0 hr)
1:30-2:30 P.M. **Greg Coker, The Cathedral Institute**

Utilities have to be continually concerned about their community and public relations. Further, community and public relations are not just the job of commissioners, board members and managers, but all utility staff including a newly hired meter reader, must be aware of their interaction with customers and the public in general. Whether it is responding to customer complaints or talking to the news media, community and public relations are critical to the daily operations of utilities. This session will cover what utilities, from the leadership to the operators and billing clerks, can do to enhance their community and public relations.

Session #8 *Kentucky Utilities--Searching for Effective Solutions* **DW / WW** (1.0 hr)
2:40-3:40 P.M. **Joe Liles, President, National Rural Water Association**
Tom Fern, State Director, USDA Rural Development
Linda Breathitt, Commissioner Kentucky Public Service Commission

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, expansion of service territories, upgrading facilities to maintain and meet current and future compliance, meeting consumer demands, emergency preparedness and disaster response, promotion of the water industry, meeting staffing requirements, and protection of our natural resources. The individuals listed above will discuss some **effective solutions** for utilities in Kentucky.

Session #9 *Electrical Efficiency in the Water and Wastewater Industry* **DW / WW** (1.0 hr)
3:50-4:50 P.M. **Robert M. Balzar , Tennessee Valley Authority**

Water and wastewater utilities are large consumers of electricity and their electric bills are often one of their largest expenses. Other factors, such as new regulations affecting coal fired electric plants will soon be impacting electric utilities and could result in large increases in the cost of production. This session will cover conservation efforts that utilities can implement to help minimize their need for electricity thus helping them reduce costs. This session will also give information concerning possible trends in the costs of production of electricity in the future and how water and wastewater utilities may be affected.

Day Three – Wednesday, August 22, 2012

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

Concurrent A – Room #1

Session #10A *Automatic Flushing* **DW** (1 hr)
8:30-9:30 A.M. **Harold Mosley, Mueller Co**

Disinfection by-products (DBPs) are predicted to be the most common source of water quality related violations facing drinking water utilities once the Stage 2 Disinfection By-Product Rule goes into full affect. Water utilities face significant challenges in maintaining water quality once water has been pumped into the distribution system. One problem most utilities face is with areas where maintaining proper chlorine residuals is difficult. Boosting chlorine is one solution, but this can significantly impact DBP formation. This session details how automatic flushing is used, how it benefits water quality, and how utilities can help control DBP formation within their distribution system.

Session #11A *The Science of Mixing and Maintaining Water Quality in Water Storage Tanks* **DW** (1 hr)
9:40-10:40 A.M. **Michael J. Duer, Tideflex Technologies**

The Stage 2 Disinfection By-Product Rule is already impacting some utilities that now have to comply with the updated rule. As more and more utilities come under the umbrella of Stage 2, more utilities will face compliance issues related to the rule. Water storage tanks can be an area of significant DBP formation if turnover within the tank is not sufficient. Further, residual chlorine levels can drop below minimum levels for maintaining safe drinking water. This session will discuss the science of mixing potable water and maintaining water quality levels in water storage tanks.

Session #12A *Standard Operating Procedures for Taking Water Samples* **DW** (1 hr)
10:50-11:50 A.M. **Clem Wethington, Kentucky Rural Water Association**

It is not unusual for a water utility to receive violations that can be traced to bad sampling and sample handling practices. This session will cover standard operating procedures for the collection of samples from drinking water distribution systems. The SOPs for the collection, handling, storage, and hold times for a number of required analyses will be discussed.

Concurrent B – Room #2

Session #13B **Right Impeller, Right Pump** **WW** (1 hr)
8:30-9:30 A.M. **Todd Sturtz P.E. – Crane Pumps & Systems**
Pumps, when they operate correctly, can be amazingly robust and reliable. Pumps, when they are mounted or operated incorrectly can be a wastewater operators worst nightmare. This session will cover pumps and impellers for use in wastewater operations. Topics covered will be correct sizing of wastewater pumps for the application, correct impellers for handling a utilities specific wastewater stream, and pumps and impellers used in force mains.

Session #14B **Phosphorous and Nitrogen Removal in Wastewater** **WW** (1 hr)
9:40-10:40 A.M. **Mark Sneve P.E., Strand Associates, Inc.**
This seminar is offered to educate wastewater treatment plant operators and others in the wastewater industry about:

- The future regulatory impacts of phosphorus and nitrogen removal on their operations,
- Processes that can be employed for phosphorus removal:
 - Biological Phosphorus removal
 - Chemical phosphorus removal.
- Processes that can be employed for Nitrogen removal.
- Process theory and operations are stressed.

Session #15B **Collection System Operations** **WW** (1 hr)
10:50 -11:50 A.M. **Steve Capps, Kentucky Rural Water Association**
This session will discuss collection system basics. Sources of inflow and infiltration (INI), ways to locate INI, how to repair and prevent INI are all important tasks of the collection system operator. The use of cameras to inspect sewer lines, manhole inspections, and their benefits for reducing INI and sanitary sewer overflows will be covered. Also included will be instruction on the regulations governing sanitary sewer overflows

Concurrent C – Room #3

Session #16C **Problem Solving, Troubleshooting, and Decision Making—In Other Words, Leadership**
8:30-9:30 A.M. **Greg Coker, The Cathedral Institute** **DW / WW** (1 hr)

“Never a dull day.” “Each day is different.” “Something new every day.” These are all sayings you hear from utility employees. What is it about working for a utility that makes one a problem solver, a troubleshooter, or a decision maker? The sayings seem to tell the story. Each day working for a utility can bring new problems and challenges. Being able to be a problem solver, being able to find and hire employees who are problem solvers, and training employees to become problems solvers is crucial for running a utility. This session will discuss how to encourage the problem solving attitude within utility employees and their leaders.

Session #17C **Legal Issues and Board Oversight** **DW / WW** (1 hr)
9:40-10:40 A.M. **Damon Talley, General Counsel, Kentucky Rural Water Association**
Every board should adopt a set of board policies that outlines the roles, rules and responsibilities for board members. The management of the utility should lead the effort amongst the board to initially adopt appropriate policies and periodically review and amend the policies to keep them up-to-date and relevant. The session focuses on the normal activities of boards of water districts, water associations, and municipal utility commissions. The session will include information on board officers’ responsibilities and duties, the conduct of effective board meetings, legal issues and other topics essential for utility board members.

Session #18C **Filing Tariffs with the Public Service Commission** **DW / WW** (1 hr)
10:50-11:50 A.M. **Brent Kirtley, Kentucky Public Service Commission**
Starting on **January 1, 2013**, all utilities will be required to file tariff changes electronically. This session will cover the new regulation, the requirements, and its implementation. This new regulation will cover new tariffs filed by both water and wastewater utilities. Also covered in this session will be instructions on accessing the website and how to accomplish electronic filing.

Request for Continuing Education Credit

The eighteen sessions presented during this three-day event will offer a total of **15 hours** of continuing education training for **water district commissioners**. The maximum number of hours that can be earned each day is listed below.

Monday, August 20, 2012	6
Tuesday, August 21, 2012	3
Wednesday, August 22, 2012	3
Total maximum continuing education credits:	12 for water district commissioners

Kentucky Rural Water Association

PO Box 1424 ♦ 3251 Spring Hollow Avenue ♦ Bowling Green, KY 42102-1424 ♦ Ph: 270.843.2291 ♦ Fx: 270.796.8623
www.krwa.org

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 water district commissioners.

Speaker Bios

Kentucky Glass Lined Tank Systems, Inc.
P.O. Box 13370
Lexington, KY 40583
kristin@kytanks.com
(859) 253-3544
Fax (859) 259-0559

Kristin Tippey is associated with the Kentucky Glass Lined Tank Systems in Lexington, Kentucky. Kentucky Glass Lined Tank Systems, Inc. is an authorized dealer of engineered storage products, serving all of the Commonwealth of Kentucky and Western Tennessee for over 25 years.

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.

DAVID LEIGH

Corporate Safety Technician
Brenntag Mid-South, Inc.
1405 Highway 136 West
Henderson, KY 42420

Employed for over thirty two years with Brenntag Mid-South, Inc.

3 years – Chlorine Plant Manager

4 years – Maintenance Department Manager

1 year – Special Projects Manager

24 years – Corporate Safety Technician, Corporate Management Representative of Brenntag Mid-South Quality Management System & Acting Safety, Regulatory, Quality Manager for part of the Indy District Branches.

Duties as Corporate Safety Technician

Development of chemical product labels; Air monitoring, ventilation, personal protective equipment etc.; Keep up with OSHA, EPA, D.O.T. regulations and our compliance with regulations; Development of training programs; Approve new products; Conduct training programs for our employees, customers and government agencies; Conduct training and participate in emergency response

Education

Freed-Hardman College, Henderson Tennessee

Western Kentucky University, Bowling Green Kentucky – Industrial Hygiene & Occupational Safety and Health

Greg Coker is the founder of *The Cathedral Institute*: a full-service leadership development and consulting firm focusing on *Empowering People, Building Teams, Transforming Organizations and Changing the World*. He has over 25 years' experience as a senior level manager with three different fortune 500 companies, a government regulator, an elected official and a state-wide leader. His experience ranges from leading the training & development for over 80,000 employees to directing the governmental affairs and public relations at both the state and federal level. His clients include public education, business and industry, colleges and universities, nonprofit organizations and high performance individuals who benefit from his executive/life coaching. Greg is the author of "*Building Cathedrals: The Power of Purpose*" and travels the country delivering the keynote speech and conducting workshops based on the principles of leadership, employee engagement, culture and purpose, the focal point of his book.

JOE LILES

Joe Liles was elected President of the National Rural Water Association (NRWA) in September 2010. First elected to the NRWA Board of Directors in 1999, Joe has held numerous positions with NRWA serving as Secretary, Vice Chairman and Senior Vice President.

As one of the founding fathers of Kentucky Rural Water Association (KRWA) in 1979, Mr. Liles was honored with the prestigious KRWA Leadership Award in 2008 for his many years of exemplary service, leadership and commitment to Kentucky's water and wastewater utilities. He has held the positions of KRWA President, Vice President, and Treasurer. Joe has served on numerous KRWA committees, is a member of the Rotary Club, member of Holy Spirit Catholic Church and very active in the Bowling Green community. Although Mr. Liles retired as Manager of the Warren, Butler and Simpson County Water Systems in 2005 after 38 years, he currently serves as the utilities' Community and Government Relations Assistant.

Mr. Liles earned a Bachelor of Science Degree, with an area of concentration in Management from Western Kentucky University.

Thomas Fern, State Director, USDA Rural Development

LEXINGTON, Ky., Dec. 1, 2009—Thomas G. Fern will return to the position of Kentucky State Director for Rural Development at the USDA. Fern previously served as State Director from 1993-2001. Fern began his career in USDA more than four decades ago, after graduating from Morehead State University with a Bachelor of Arts degree in General Agriculture, Economics and Sociology. Fern joined USDA in 1965 and worked his way up the ranks, starting out as an Agriculture Management Specialist, County Supervisor, in Vanceburg. He held this position until he was promoted to District Director of the Farmers Home Administration in Morehead in 1978. He remained there until his first appointment as State Director during the Clinton Administration. Fern also served as the director of advertising and marketing for the Kentucky Tourism Development Cabinet, Department of Parks, from 2001-2003.

Gov. Steve Beshear appointed longtime energy regulator **Linda Breathitt** on Friday, May 11, 2012, to the state Public Service Commission. Breathitt, of Lexington, has worked in the energy sector for years in state and federal positions. She replaces Charlie Borders, who resigned in December from the agency that oversees utilities in the state. Her term will begin May 21.

Breathitt serves as federal representative to the Southern States Energy Board, where she represents the U.S. Department of Energy. She also has worked as a senior energy and regulatory advisor at a law firm in Washington, D.C. She was appointed in 1997 as commissioner of the Federal Energy Regulatory Commission, in which she provided regulatory oversight of the electric transmission system, energy markets, natural gas pipelines, oil pipelines and hydro-electric licensing. Prior to her federal work, Breathitt was a commissioner and chairwoman of the Kentucky Public Service Commission.

Robert M. Balzar, Vice President, Energy Efficiency and Demand Response

Robert M. Balzar serves as Vice President of Energy Efficiency and Demand Response (EEDR) for the Tennessee Valley Authority. At TVA, Balzar leverages a 25-year track record of leadership in the energy efficiency and utility fields where he oversees the development, implementation and verification of TVA's energy efficiency and demand response program portfolio.

Since joining TVA in 2010, Balzar has overseen TVA's renewed emphasis on energy efficiency as a key resource for helping achieve its vision for a cleaner energy future in the Tennessee Valley. In 2011, his first full year with TVA, Balzar and his EEDR team partnered with power distributors and direct served customers to open new channels of dialogue between TVA and stakeholder groups, refine program offerings, and achieve energy efficiency savings of 559 gigawatt hours, nearly 270 percent higher than the previous year.

Prior to joining TVA, Balzar served as Conservation Resources Director for Seattle City Light (SCL) from June 2007 to June 2010, where he directed the utility's conservation, customer load management and small scale renewable programs. In 2007, he exceeded SCL's savings target by 5 percent and in 2008 by 15 percent, achieving 7.5 average megawatts and 9.8 average megawatts respectively.

He holds a Bachelors of Science in electrical engineering from the University of Nevada, Reno. He is a Registered Professional Engineer in California and Nevada.

Harold Mosley:

Mueller Product Manager: Automatic Flushers and Water Quality Control. Designed and developed an automatic flushing system and formed his own company. His company was purchased by Mueller in early 2011 and Mueller made Mr. Mosley the product manager for the automatic flushers.

Michael Duer has a Bachelor of Science Degree in Mechanical Engineering and is a registered Professional Engineer in the Commonwealth of Pennsylvania. He joined Tideflex Technologies in 1994 and is currently the Chief Engineer specializing in the Tideflex® Check Valve product line. He has been involved in Design and Applications Engineering specializing in control and check valves for the water and wastewater industries. He utilizes Computational Fluid Dynamics (CFD) modeling to analyze mixing in finished water storage facilities. He is an AWWA member and is also a principal investigator of a 2006 AwwaRF project entitled "Physical Modeling of Mixing in Water Storage Tanks."

CLEM WETHINGTON

Kentucky Rural Water Association

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. His primary duties as Circuit Rider were to provide technical assistance and hands-on training to rural water utility personnel. As a Groundwater Technician he helped communities develop local wellhead protection plans. The Program Specialist is dually responsible for providing training and technical assistance to water systems. As a Compliance Specialist he trains and assists utilities with regulations, recordkeeping, & reporting.

Bio: **Todd Sturtz** P.E. – Crane Pumps & Systems Regional Manager. 8 years experience in the pump industry, Civil Engineering grad from the University of Central Florida

Mark A. Sneve, P. E.
Strand Associates, Inc.
325 West Main Street, Ste. 710
Louisville, KY 40202

Mark Sneve is the Senior Associate, Wastewater Discipline Coordinator for Kentucky Offices and Project Manager at Strand Associates, Inc. He has 23 years experience in this field.

His experience includes: Project Manager of wastewater treatment projects, responsible for all wastewater projects in Kentucky offices of Strand. Worked with CSO communities on compliance and long-term control planning. Worked in regulatory arena throughout career. Designed several facilities for phosphorus removal.

Mark holds a BS in Civil Engineering from the University of Iowa (1987) and a MS in Civil and Environmental Engineering from the University of Iowa (1989).

Stephen L. Capps

Kentucky Rural Water Association

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.

Damon Talley, Attorney at Law

General Counsel for Kentucky Rural Water Association

P. O. Box 150
112 North Lincoln Blvd.
Hodgenville, KY 42748
(270) 358-3187

EDUCATION:

University of Kentucky College of Law, Juris Doctor – May, 1975

Undergraduate - University of Kentucky College of Engineering, Bachelor of Science-Mechanical Engineering

Kentucky Bar Association: Member in good standing since 1975

LEGAL EXPERIENCE:

1983 – Present: Damon R. Talley, P.S.C., Hodgenville, KY - Engaged in the general practice of law with primary emphasis on representing utilities.

1975 – 1983 - Hensley, Talley & Dunn, Horse Cave, KY - Partner in law firm which primarily defended insurance carriers and their insureds in an approximately 25 county area in South Central, KY. Extensive practice in Workers' Compensation, negligence, products liability, insurance, construction, and commercial litigation.

BRENT KIRTLEY, Public Service Commission

EDUCATION:

University of Kentucky - 1990 Bachelor of Business Administration

EXPERIENCE:

Kentucky Public Service Commission

Tariff Review Branch Manager

2001 to Present

Responsible for the branch that processes and administratively reviews for regulatory compliance all tariffs, contracts, and promotional filings for utilities regulated by the PSC. Aids utilities in preparing various tariff filings and provides tariff related research and information to the public.

Public Utility Rate Analyst

1992 to 2001

Analyzed and designed rate structures for utilities regulated by the PSC. Prepared cost of service studies to determine fair, just, and reasonable rates for a utility's different customer classes. Reviewed rate case filings before the PSC and made recommendations on those rate proposals. Researched current issues and presented findings to the Commissioners, and drafted Orders of Commission decisions.



ENERGY AND ENVIRONMENT CABINET

Steven L. Beshear
Governor

DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF COMPLIANCE ASSISTANCE

Leonard K. Peters
Secretary

300 FAIR OAKS LANE
FRANKFORT, KENTUCKY 40601
PHONE (502) 564-0323
FAX (502)564-9720
www.dep.ky.gov

COPY

June 20, 2012

Kentucky Rural Water Assoc.
Attn: Janet Cole
PO Box 1424
Bowling Green, KY 42102-1424

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 Web site, www.dca.ky.gov/certificaton.

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
Disinfection	6/27/12	2.0 WW & DW	10748	One time approval
33 rd Annual Conference & Exhibition -- Searching for Effective Solutions	8/20/12 -- 8/22/12	12.0 WW & DW max out of 14 hrs WW and 14 hrs DW	10749	One time approval Session #17C was not approved because it is not a core subject.

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 Web site at www.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 Web site. 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