



# Kentucky Rural Water Association

Helping water and wastewater utilities help themselves

2008-00270

July 10, 2008

Ms. Stephanie Stumbo, Executive Director  
Kentucky Public Service Commission  
P. O. Box 615  
Frankfort, KY 40602

RECEIVED

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PUBLIC SERVICE  
COMMISSION

Dear Ms. Stumbo:

Kentucky Rural Water Association will host its 29<sup>th</sup> Annual Technical Conference and Exhibition, *Building for the Future*, at the Hyatt Regency Hotel and Lexington Convention Center in Lexington, Kentucky on August 25-27, 2008. We respectfully request that this training be approved for commissioners as referenced in HB-75, KRS 74.020.

Please find enclosed a timed agenda, a description of each session, and speaker bios. The following two items are herein referenced with this application:

- 1) Copies of written materials given to commissioners during the conference (if any) will be collected and forwarded to the PSC after the conference;
- 2) Approval for continuing education credit for Drinking Water and Wastewater Operators has been received from the Kentucky Board of Certification of Water Treatment & Distribution System Operators and the Kentucky Board of Certification of Wastewater System Operators. A copy of that correspondence is included.

With this letter and enclosures, Kentucky Rural Water Association requests the approval of a total of twelve (12) hours for commissioner/board member training. If additional information is needed, please do not hesitate to call.

Sincerely,

Clem Wethington  
Education Director

jc

Enclosures

**Kentucky Rural Water Association's**  
**29<sup>th</sup> Annual Technical Conference and Exhibition – *Building for the Future***  
**August 25-27, 2008**  
**Hyatt Regency and Lexington Convention Center - Lexington, Kentucky**

**TRAINING SUMMARY**

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 conference theme, *Building for the Future*, will be continual throughout the sessions as we rely on the expertise of peers, technical assistance providers, industry professionals, and governmental agencies to share their knowledge and professionalism with those in the water and wastewater industry.

**Day One – Monday, August 25, 2008**

Topic #1            8:30-9:30 A.M.            *Water, Full Circle*  
**Steve Capps, Keith Bevins, and Trent Coffee, Kentucky Rural Water Association**

Some of the water withdrawn from streams and rivers has been utilized many times by communities or industries upstream. This session looks at the journey of water as it is withdrawn from the source, moves through a water treatment plant, is used or consumed by customers, travels through wastewater collection systems, is re-cleaned in wastewater treatment plants and then discharged back into a receiving stream. Topics of discussion will include some of the uses, treatment processes, and problems encountered by water as it makes its full circle.

Topic #2            9:40-10:40 A.M.            *Water Accountability*  
**Dell Harris and Jeff Lee, Kentucky Rural Water Association**

Water accountability is critical for the financial stability of water and wastewater utilities. Water accountability includes such things as meter accuracy, comparing amounts produced vs. amounts utilized, integrity of pipe networks, and amount of water used in treatment processes. If meters are not accurately recording all usage then water and wastewater utilities are losing revenue. Often the water used for treatment processes in the water and wastewater treatment plants is not accounted for properly.

Topic #3            10:50-11:50 P.M.            *Computerized Mapping/Electronic Record Keeping*  
**Joe Burns and Clem Wethington, Kentucky Rural Water Association**

Water and wastewater utilities utilize GPS and GIS technologies to locate components including valves, meters, manholes, and customer line connection points as well as other critical information. This information is then used to develop computerized mapping programs. Computer programs such as Excel can also be used to track analytical results and generate forms for compliance reports. Becoming familiar with these new technologies will help water and wastewater personnel operate more efficiently while building for the future.

**11:50 A.M.-1:00 P.M.    LUNCH ON YOUR OWN**

Topic #4            1:00-2:00 P.M.            *Source Protection*  
**Jack Stickney, Kentucky Rural Water Association**

Source water protection (groundwater and surface water), the requirements of the Clean Water Act and the Safe Drinking Water Act, and the regulatory efforts being made to protect the water quality of the watersheds of Kentucky will be addressed in this session. Public awareness and involvement with issues such as urban storm water run-off and agriculture activities will also be discussed.

Topic #5            2:10-3:10 P.M.            *Hypoxia – Its Cause and Effect*  
**Randall Kelley, Kentucky Rural Water Association**

While nitrogen and phosphorous are essential for healthy aquatic life, an overabundance sets off rampant algae growth. When algae dies and sinks to the bottom, its decomposition consumes oxygen, creating a condition called hypoxia that suffocates fish and other animals that can't make it to healthy water. Of the 31 states that drain to the Mississippi River, and ultimately to the Gulf of Mexico, Kentucky is listed as one of the top offenders for high nitrogen and phosphorous levels. This is one of the driving factors for the new phosphorous and nitrogen rules for wastewater. Hypoxia also has significant impacts on potable water treatment facilities as raw water quality deteriorates.

Topic #6            3:20-4:20 P.M.            *Expanding Quickly*  
**Ron McMaine, Bell Engineering**

Sometimes when faced with immediate demands beyond a treatment plant's capacity, plant personnel and utility decision makers must act quickly. This session will illustrate how utility personnel, regulatory agencies and engineers can work together to address critical situations that require building for the future at an exhilarated pace. The presentation will show how, using utility personnel and salvaged equipment, modifications to treatment facilities can be completed in a very short time-frame and be very cost effective.

## Day Two – Tuesday, August 26, 2008

1:30-4:50 P.M. **General Session - *Building for the Future – New Faces – New Vision***

Part I 1:30-3:00 P.M. **Water and Wastewater Mission – Building For The Future**  
**David Peterson, President, Kentucky Rural Water Association**

**Welcome by Honorable Jim Newberry, Mayor**  
**Lexington Fayette Urban County Government**

***The Role of the Public Service Commission***  
**Dave Armstrong, Chairman**

The Kentucky Public Service Commission is an administrative body regulating over 1,500 utilities. A portion of those utilities include water and sewage utilities, water districts, and water associations. The role of the Kentucky Public Service Commission is to assure the provision of safe and reliable service at a reasonable price to the customers of the regulated utilities. The Commission has a responsibility to provide for the financial stability of those utilities, a means of building for the future, by setting fair and just rates, and supporting their operational competency.

***Show Me the Money – Kentucky Infrastructure Authority***  
**John Covington, Executive Director**

The Kentucky Infrastructure Authority (KIA) was created in 1988 to provide the mechanism for funding construction of local public works projects. Many of our Kentucky communities do not have the basic water, sewer, solid waste facilities and other infrastructure that they need for their citizens. Basic infrastructure is a necessity for economic growth. Through the various programs currently offered by KIA the communities across the state have a way to fund the projects necessary to meet current demands as well as build for the future.

***The New Energy and Environment Cabinet***  
**Dr. Leonard K. Peters, Secretary**

The Environmental and Public Protection Cabinet has been reorganized to become Kentucky's new Energy and Environment Cabinet. During this session Dr. Leonard Peters, the Secretary of the new cabinet, will explain the goals and structure of the cabinet. Dr. Peters will also provide information on how the new cabinet plans to address many of the problems facing our environment and the water industry as they build for the future.

Part II 3:15-4:45 P.M. ***The Reorganization of the Kentucky Division of Water***  
**Sandy Gruzesky, Division Director**

This session will explain the reorganization of the Division of Water. The various branch managers will be introduced and their individual roles explained. Water and wastewater professionals can build for the future by developing a good working relationship with the regulatory agencies.

## Day Three – Wednesday, August 27, 2008

8:30-11:50 A.M. **Concurrent Sessions -- A, B, and C**

### **Session A**

8:30-9:30 A.M. ***Model Personnel Policies***

**Andy Lange, Kentucky Rural Water Association**

This presentation will focus on the updated "Development Guidelines for Personnel Policies and Procedures" model. This model was developed originally in the 1990s by KRWA and DLG (now GOLD) to provide Water Districts with model Personnel Policies. Through the Utility Optimization Program, we are modernizing the policy model booklet and developing a training course with for boards and managers of water districts, water associations and municipal utilities.

9:40-10:40 A.M. ***Developing Board Member Policies***

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

The governing body (board or council) of a utility has the responsibility to establish policies. Managers and staff are responsible for adhering to these policies and performing the tasks. The boards and staff of public utilities are entrusted with the protection of public health, the environment, and the economic health of their communities. Developing written policy manuals provides clear instructions, reduces confusion and controversy, and ensures that the water and wastewater utilities operate more efficiently.

10:50-11:50 A.M. ***Employment Practices Are Not So Basic***

**Vernon Azevedo, Winchester Municipal Utilities**

Building for the future is more than building infrastructure and facilities. It is also about building a responsible work force and building relationships. Employment policies and procedures can be very complex. The required skill levels and responsibilities of water and wastewater utility personnel continue to rise. This session will address some of the employment issues facing the water and wastewater industry.

**Session B**

8:30-9:30 A.M.

***Division of Water Updates***

**Donna Marlin, Kentucky Division of Water**

The Division of Water has initiated some new policies and tools to assist the utilities of Kentucky. This session will provide updates and information on topics such as: *Water Watch*, the new E-MOR, SDWIS II, the lab accountability policy, capacity development, and development of an electronic data checker for utilities to use to verify analytical results for compliance.

9:40-10:40 A.M.

***Electronic Document Management Systems (EDMS)***

**Glen MacPherson, Duplicator Sales & Service, Inc.**

Water and wastewater systems are required to maintain an ever-increasing amount of documents for federal and state compliance. This presentation covers the legal side of EDMS and how it relates to the individual organizations, reasons why organizations are moving to EDMS, and the direct benefits and ease of EDMS. Electronic data management is a solution that water and wastewater personnel can utilize to share information under secure guidelines as well as meet the regulatory and storage space demands.

10:50 -11:50 A.M.

***Bottled Water vs. Tap Water***

**Steve Owens and Stephen Whitaker, McCreary County Water District**

Consumers and environmentalists are beginning to take another look at the bottled water issue. Those individuals thinking “greener” are concerned with the high number of plastic bottles littering our communities and filling the landfills. Consumers and water professionals are also questioning the quality of the water within the plastic bottles. This session will provide information on an actual firsthand experience and the comparison of bottled water and tap water from a Kentucky water system.

**Session C**

8:30-9:30 A.M.

***Building for the Future with SCADA***

**Alan Morrison, C.I. Thornburg**

This session will explain how telemetry and SCADA can be utilized by water and wastewater systems. Telemetry and SCADA can be used to operate and monitor treatment processes, perform sampling and monitoring, conduct operation functions such as controlling chemical feed systems, and activate security and alarm systems. The presentation will explain the basic components such as transmitters, receivers, sensors, and means of conveyance and how to integrate with existing equipment and applications.

9:40-10:40 A.M.

***Metering for the Future***

**Tom Lindner, Badger Meter**

Meters have been described as the “cash registers” for water and wastewater systems. Since wastewater fees are typically based upon the amount of water that passes through a meter it is very important to have accurate individual customer meters to assure sufficient revenue for water and wastewater systems. As utilities expand and build for the future they are looking for the newest technologies in meters and meter reading. Meter accuracy in treatment processes is necessary in order to correctly determine product usage, flow volumes, and chemical addition in treatment processes.

10:50-11:50 A.M.

***HDPE Pipe 101***

**Sid Oakley, Consolidated Pipe & Supply Company**

As water and wastewater utilities build for the future they are looking for ways to prevent leakage in potable water lines and reduce infiltration into sewage collection systems. One solution is the use of HDPE pipe. This session will provide information on the history, application, advantages, and typical installation and maintenance practices of HDPE pipe.

**Request for Continuing Education Credit**

Kentucky Rural Water Association requests the approval of twelve (12) hours of continuing education credit for water district commissioners/board members as outlined below:

<b>Monday, August 27, 2007</b>	<b>6 hours</b>
<b>Tuesday, August 28, 2009</b>	<b>3 hours</b>
<b>Wednesday, August 29, 2009</b>	<b><u>3 hours</u></b>
<b>Total hours requested:</b>	<b>12 hours</b>

Criteria for Training Credits: Credit will be granted for actual time attending or participating in the training sessions. The maximum number of credit hours for the 3-day session will be twelve (12) with the daily breakdown as listed above. An individual sheet will be provided to each commissioner/board member to record their presence at the sessions. This sheet will be retained as a record of all persons attending the approved training.

## BIOGRAPHY

### **Stephen L. Capps**

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. In that capacity he provides on-site technical assistance and training to small rural municipal wastewater treatment systems and rural systems in unincorporated areas.

## BIOGRAPHY

### **KEITH B. BEVINS**

Keith Bevins joined Kentucky Rural Water Association in July of 1999 as a Wastewater Technician with seven years prior experience in the wastewater treatment field. Before joining KRWA he was an Environmental Compliance Inspector for Wellmore Coal Corporation. During this time he earned an impoundment inspector certification and was responsible for all W.C.C. owned ground water and surface water permits in Kentucky.

During 1992 Keith went to work for the Pike County Fiscal Court as the Wastewater Facilities Manager. From there he went to work for the City of Wheelwright as the Chief Operator of Utilities, where he upgraded his certification to a Class III in Wastewater Treatment Operations. During this time he continued to work toward a degree in environmental science.

His position as Wastewater Technician for Kentucky Rural Water Association allows him to work closely with operators and decision-makers to gain a better understanding of their particular system. He uses this knowledge to troubleshoot and problem-solve some of the most difficult tasks facing operators and their systems throughout Kentucky.

## BIOGRAPHY

### **Trent A. Coffee**

Trent Coffee joined the Kentucky Rural Water Association staff in December 2002, as a Wastewater Technician. The KRWA Wastewater Circuit Rider provides technical assistance to rural wastewater utilities by visiting or contacting systems, attending board or council meetings, and by providing systems with needed information to stay current with regulations and changing technology.

Prior to joining KRWA, Trent was a Lab Technician for the Wastewater Treatment Plant in Franklin, Kentucky. Responsibilities there included running process control lab tests on influent and effluent water at the treatment plant, assistance in the plant operations such as checking blankets, adjusting chemical federates, checking and adjusting return rates, operating grit and grease, and other daily plant operations.

As a 2001 graduate of Lindsey Wilson College, Trent earned a Bachelor of Arts degree with a major in Biology and a minor in Chemistry. Trent also holds a Class II certification license for wastewater treatment. Trent endeavors to gain new knowledge in the field of wastewater by attending continuing education classes whenever possible.

## BIOGRAPHY

### **Dell R. Harris**

Dell Harris joined the Kentucky Rural Water Association in September 1997 as a Circuit Rider. He began his experience in the water treatment field beginning in 1988, when he became a water treatment plant operator and acquired Kentucky Class IV-A and Class III-D operator licenses while working for the Hardin County Water District #1.

Mr. Harris went to work for the Hardin County Water District #1 in April 1988 and operated the Pirtle Springs and Muldraugh Water Treatment Plants. He was promoted to Supervisor at the Pirtle Springs facility in July 1991 and obtained his Class IV-A license in April 1992. From September 1993 to September 1994, Dell served as Interim General Manager for the water district. He obtained his Class III-D license in April 1997.

Mr. Harris earned an Associate Degree from the Elizabethtown Community College. His studies included Total Quality Management (TQM), Computer Science, and financial management.

## BIOGRAPHY

### **Jeffrey A. Lee**

Jeff Lee joined the Kentucky Rural Water Association staff in December 1996, as a Circuit Rider. He has several years of experience working with surface water, water distribution, waste-water collection systems, and backflow prevention.

In 1988, Jeff began his career as a Water Treatment Operator with Georgetown Municipal Utilities, where he acquired Class III-A and Class III-D Operator Licenses. He also obtained a Class III Wastewater Treatment Plant Operator License while working for Wilmore. In June 1995, Mr. Lee was promoted to Water and Wastewater Supervisor and also gained certifications in backflow prevention and meter testing. Jeff also oversaw, under contract, the water and wastewater operations for the City of Stamping Ground, KY, and worked part-time as an operator at the Beechfork Water Commission Treatment Plant in Powell County, KY.

Jeff holds a Class IV-A, a Class IV-D Operator Licenses (1996) He also has specialized training in blower maintenance lift station trouble shooting, meter testing, blackflow prevention, and confined space. He has completed correspondence courses through the University of Sacramento and has attended classes at the University of Kentucky Community College in Lexington, KY.

# BIOGRAPHY

## **Joe Burns**

Joe has been with Kentucky Rural Water Association since April 1994. His current activities include implementing the NRWA source water protection program and oversight of the NRWA wellhead program and the Division of Water wellhead protection assistance grant. 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.

# BIOGRAPHY

## **CLEM WETHINGTON**

Clem Wethington, Education Director, 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.

Mr. Wethington held the position of Circuit Rider with Kentucky Rural Water Association from June 1987, to March 1991. His primary duties as Circuit Rider were to provide technical assistance and hands-on training to rural water utility personnel throughout Kentucky. In 1988, Wethington received the "Rookie Circuit Rider of the Year" award from the National Rural Water Association (NRWA). He was also a contributing author of a Rural and Small System Training Guide entitled "An Introduction to Hydrant Operation and Maintenance" published by the National Rural Water Association in 1989.

Mr. Wethington's position with KRWA from March 1991, to March 1994, was that of Groundwater Technician. In that capacity, he worked with communities throughout Kentucky to help them develop local wellhead protection plans. In 1993, Mr. Wethington was named "Groundwater Technician of the Year" by NRWA. In March 1994, Mr. Wethington returned as a Circuit Rider for a brief period and then became Program Specialist in February 1995. The Program Specialist is dually responsible for providing training and technical assistance to water systems. Clem was awarded the honor of "Training Specialist of the Year" by the NRWA in 1999.



## BIOGRAPHY

### **Jack Stickney**

Jack Stickney came to Kentucky Rural Water Association in February of 2001. As a Groundwater Technician for KRWA, he writes Wellhead Protection Plans for small water utilities throughout Kentucky. He also assists utilities with problems and technical issues that pertain to groundwater resources. Jack earned his Bachelor of Science Degree in Geology in 1979 from Radford University, Radford Virginia, and his Masters Degree in Geology in 1985 from Eastern Kentucky University, Richmond, Kentucky.

Jack has over twenty years of work experience in the geologic field including oil drilling, uranium mining, coal, groundwater, and environmental from all over the United States, but primarily in Kentucky. He is a registered Professional Geologist in Kentucky, North Carolina and Alaska.

Together with his wife Theresa, a teacher, and his son, Caleb, Jack resides on a farm in the back woods of Estill County, Kentucky in a log home that he built over a twelve year period.

## **Biography**

### **Randall Kelley Kentucky Rural Water Association**

Randall Kelley has been with Kentucky Rural Water Association (KRWA) since January, 2006. His first position with the Association was as a Wastewater Circuit Rider. He has recently taken over the position as Training Specialist where he organizes training sessions for water operators and provides onsite training for utilities.

Prior to joining KRWA, Randall worked for the University of Louisville at the Center for Watershed Research as a Research Biologist. He participated in numerous projects on small headwater streams, stream restorations, Tri-halomethane formation in natural waters, and numerous other projects. Randall's experience also includes working for a contractor to the USEPA in Cincinnati, Ohio as an aquatic macroinvertebrate taxonomist.

Randall received a B.S. in both *Biology and Environmental Science* from Western Kentucky University and an M.S. in *Biology* from the University of Louisville

## **Ron C. McMaine, P.E., President**

**Bell Engineering**

**354 Waller Avenue**

**Lexington, KY 40504**

**Ph: 859.278.5412**

**[rmcmaine@hkbell.com](mailto:rmcmaine@hkbell.com)**

### **Biographical Sketch**

BS degree in mathematics from Michigan State University in 1971

MS degree in civil engineering from University of Kentucky in 1977

Professional Engineer in civil and sanitary, KY

Class IV water plant and water distribution system operator's license in KY

Ron began his career with municipal water systems in 1972 in Hazard, Kentucky and then worked at the Frankfort water plant before going to Howard K. Bell, Consulting Engineers (now Bell Engineering) in 1978. In his time at Bell, Ron has worked with more than 50 water systems on every aspect from source to the tap. He is a professional engineer and holds a Class 4A water plant operator's license and a Class 4 distribution system operator's license.

Bell Engineering is a multi-discipline firm, providing environmental and other engineering services for municipal, state, and federal governments and industrial, institutional, and private sectors.

Biography  
David Peterson  
Caveland Environmental Authority, Inc.  
P. O. Box 463  
Cave City, KY 42127  
270/773-2887

David Peterson has been employed with Caveland Environmental Authority, Inc. since 1989. His present position with the corporation is CEO.

Duties over the past years have included being Head Wastewater Operator for Horse Cave and Cave City plants and the Pretreatment Coordinator. David holds a Class III Wastewater Operator license (#6132) and is a certified Wastewater Lab Analyst (#1-91-14).

He is currently working on a Business Management degree through Western Kentucky University. In the past he has taken Water Environment Federation Courses in Activated Sludge Process Control, Filamentous Microorganisms, and Filament Identification Lab. Additional continuing education in the area of wastewater includes in-depth study of the California state University Vols. I & II Treatment Plants, Pretreatment Inspection; Volume I Collection Systems; and Advanced Waste Treatment.

**Jim Newberry, Mayor**  
**Lexington-Fayette Urban County Government**

Jim Newberry was elected Mayor of Lexington in November 2006 by the largest margin since the city and county governments merged in 1974. As the chief executive of the Lexington-Fayette Urban County Government, the Mayor supervises and administers all departments of the government.

Although this is his first elected position, Newberry is not new to public service, having served as an Executive Officer in the Office of Lieutenant Governor Brereton Jones, focusing on agriculture, economic development and health care issues. Later, he served as Acting Secretary of Kentucky's Natural Resources and Environmental Protection Cabinet.

In 1990, Newberry co-founded Newberry, Hargrove & Rambicure, where he practiced law until 1998, when he joined Wyatt, Tarrant & Combs.

Jim Newberry received both his undergraduate and law school education at the University of Kentucky. He has served on numerous volunteer boards and as Deacon Chair at Calvary Baptist Church. Newberry and his wife, Cheryl Ann, have two sons, Drew and Will.

**David L. Armstrong, Chairman**  
Kentucky Public Service Commission

Governor Steve Beshear appointed David L. Armstrong Chairman of the Kentucky Public Service Commission On June 3, 2008. His term ends on June 30, 2011. Prior to joining the PSC, Chairman Armstrong was of counsel to the law firm Greenebaum Doll & McDonald in Louisville.

**John Covington, Executive Director**  
Kentucky Infrastructure Authority

John Covington was appointed as the Executive Director of the KIA in May, 2008. He has worked for the KIA for 16 years as a Financial Analyst and Treasurer. He has a total of 23 years combined service working in Kentucky State Government with a Bachelor of Arts in Government and History from Centre College and a Bachelor of Science in Accounting from Western Kentucky University.

**Dr. Leonard K. Peters, Secretary**  
**Energy and Environment Cabinet**

Dr. Leonard Peters, a nationally-acclaimed chemical engineer, was named Kentucky's Energy and Environmental Secretary. Dr. Peters recently stepped down as vice president of Global Laboratory Operations for Battelle Memorial Institute, headquartered in Columbus, OH. At Battelle, Peters led the U.S. Department of Energy's Pacific Northwest National Laboratory in Richland, Wash., where he directed 4,200 scientists and support staff with a budget of nearly \$750 million.

**Sandy Gruzesky, Director**  
**Division of Water**

Sandy Gruzesky serves as Director of the Division of Water. Gruzesky joined the Division of Water in 1994. She served as assistant director beginning in 2002, and as acting director for the past year.

Gruzesky also has served in both active and reserve duty in the U.S. Navy Civil Engineer Corps. She is a licensed professional engineer and holds a Master of Science in civil engineering from the University of Kentucky.

## BIOGRAPHY

### Andrew C. Lange

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.

As Assistant Director, Mr. Lange is involved with all management and administrative activities of the Association. He was originally responsible for performing loan sub-servicing under the Asset Management Program contract with National Rural Water Association (NRWA) for eight (8) years, ending in 1997. He also currently oversees KRWA's partnership with Western Kentucky University (WKU). These programs are the WKU Small System Circuit Rider, the Utility Management Institute (UMI), and the Technology Demonstration Project.

Mr. Lange's other responsibilities at KRWA include: coordinating and monitoring internal membership activities, producing and editing KRWA printed publications, and assisting in the administration of KRWA finance 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.

### BIOGRAPHICAL INFORMATION

for

**Damon Talley, Attorney at Law**

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

#### EDUCATION:

Law School:	University of Kentucky College of Law
Degree:	Juris Doctor – May 1975
Undergraduate:	University of Kentucky College of Engineering
Degree:	Bachelor of Science-Mechanical Engineering (with highest distinction)

#### PROFESSIONAL QUALIFICATIONS:

Kentucky Bar Association:	Member in good standing since 1975; Charter Life Fellow, KY Bar Foundation; Member, House of Delegates 1994-2000
U.S. Supreme Court:	Admitted in 1979
U.S. District Court for the Western District of KY:	Admitted in 1977
Eastern District of KY:	Admitted in 1997
Martindale-Hubbel	b v Rating

#### 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.

**WILLIAM VERNON AZEVEDO**  
**GENERAL MANAGER**  
**Winchester Municipal Utilities**  
150 N. Main Street, PO Box 4177  
Winchester, Kentucky 40392-4177

**PROFESSIONAL EXPERIENCE**

- Utilities General Manager: Winchester Municipal Utilities, Winchester, Kentucky – Planned and managed operations of a city-owned water/wastewater/solid waste utility including administration, finance, personnel, engineering and operations. Seventy-five, full-time staff. Annual Operating Budget: \$9.3 million. Annual Capital Budget: \$6.2 million.
- Public Works Director/City Engineer: City of Paris, Paris, Kentucky – Planned and supervised operations and capital projects for a city-owned water/wastewater/solid waste utility and public works department. Thirty-seven, full-time staff and annual budget of \$3.6+ million.
- Interim Utilities General Manager: Georgetown Water and Sewer Service, Georgetown, Kentucky – Planned and supervised operations of a city-owned water/wastewater utility including administration, finance, personnel, engineering and operations. Thirty-five, full-time staff and annual budget of \$4.0+ million.
- Consulting Engineer: Quest Engineers and Proctor Davis Ray Engineers – Owner/Office Manager for consulting engineering firms. Responsibilities included business development, client relations and project development including *planning, funding, design and construction*.

**CAREER HIGHLIGHTS**

- Water Supply Plan – Participated in the formation of a water supply commission and water supply plan to serve the potable water needs of nine central Kentucky counties with population totaling 600,000.
- Wastewater Authority Management Plan – Developed management plan to consolidate two public wastewater utilities and 37 private wastewater systems and to provide service to unsewered areas in Owensboro/Daviess County Kentucky.
- Water Consolidation Feasibility Study – Prepared feasibility analysis and implementation plan for consolidation of 11 northern Kentucky water utilities serving a population of 280,000.
- Utility Extension Policies – Developed and facilitated implementation of water/wastewater utility extension policies for the Winchester Municipal Utilities and the cities of Owensboro, Lebanon, Paris, and Georgetown, Kentucky.
- Storm Water Utility – Prepared management plan, legal basis and preliminary budget concepts for a proposed city-owned, storm water utility for Danville, Kentucky.
- Public Information – Initiated and facilitated implementation of public information programs relating to water/wastewater/storm water services in Owensboro, Lebanon, Georgetown, Paris, Marion, and Stamping Ground, Kentucky.
- User Charges – Analyzed charges relating to water/wastewater/storm water/solid waste services in Winchester, Owensboro, Georgetown, Paris, Lebanon, Marion, Stamping Ground, Kentucky and Oxford, Ohio.
- System Development Charges – Documented legal basis and developed a schedule of charges to pay for growth in Georgetown, Kentucky and for the Louisville Water Company.
- Facilities Planning/Wastewater – Developed 20-year facilities plans for wastewater collection and treatment systems in Winchester, Owensboro, Georgetown, Lebanon and Paris, Kentucky.
- Facilities Planning/Water – Developed 20 – and 50- year facilities plans for water supply, treatment, distribution and storage for the Winchester Municipal Utilities, the Louisville Water Company, Hardin County, Marion, Lebanon, Paris and Stamping Ground, Kentucky.
- Facilities Planning/Storm Water – Prepared facilities plans for major and minor system improvements for Louisville and Jefferson County Metropolitan Sewer District, Danville, Lebanon and Paris, Kentucky.

**PROFESSIONAL LICENSES**

- Professional Engineer – Kentucky, Indiana
- Registered Land Surveyor – Kentucky

**EDUCATION**

- Bachelor of Science in Civil Engineering, University of Kentucky, 1974

**PROFESSIONAL MEMBERSHIPS**

- Water Environment Federation / Water Environment Association
- American Water Works Association
- Kentucky Water and Wastewater Operations Association
- American Public Works Association
- Kentucky Rural Water Association

**Donna S. Marlin**, Drinking Water Branch Manager  
Department for Environmental Protection  
Division of Water  
14 Reilly Road  
Frankfort, KY 40601

Current Position:

Manager, Drinking Water Branch, Division of Water

Previous Positions within Department for Environmental Protection:

Environmental Engineer Assistant, Drinking Water Branch  
Co-op Engineer, Facilities Construction Branch  
Office Supervisor, Enforcement Branch, Certification Section

Education:

B. S. in civil engineering, 1995  
University of Kentucky, Lexington, Kentucky

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**Glen MacPherson**  
**ECM Technologist**  
**Duplicator Sales & Service, Inc.**

540 West Dixie Highway  
Elizabethtown, Kentucky 42701  
1-800-343-5080  
gmacpherson@duplicatorsales.net

Glen MacPherson is an ECM Technologist in the Advanced Technology Group of Duplicator Sales & Service, Inc.

Duplicator Sales & Service is a family owned business started in May of 1959. The business was established to provide office equipment, service and supplies to the Louisville and Southern Indiana marketing area. Since that time, the product line has grown to include document management. Document Management is the process of digitizing your paper documents into a searchable online library of information. The company currently has offices in Louisville, Lexington, and Elizabethtown.

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McCreary County Water District  
PO Box 488  
Whitley City, KY 42653  
606.376.2540

**Steve Owens**, Manager and Superintendent since 1990

Steve has worked for McCreary County Water District for 28 years. He holds a Class 4 Water license, a Class 4 Distribution license, and a Class 3 Wastewater license.

**Stephen Whitaker**, Assistant Superintendent

Stephen has been with McCreary County Water District for 8 years. He holds a Class 4A Treatment license and is a state certified Laboratory Micro-Analyst

**ALAN S. MORRISON, P.E.**

C. I. THORNBURG CO.  
4034 ALTIZER AVENUE  
HUNTINGTON, WV 25722  
Alan.morrison@cithornburg.com

The C. I. Thornburg Co. was founded in 1931 in Huntington, West Virginia. Over the years the company has expanded into a supplier for water and wastewater needs ranging from a full line of pipe, valves, and fittings; a complete line of engineering products including all types of pumps, control and telemetry systems, and specialty valves; chemicals for water and wastewater treatment; automated meter reading systems; and complete fabrication capabilities through 42" ductile iron pipe. In April 2006 the Engineered Products Division expanded to increase their capabilities for in-house control systems design and construction by opening a control panel shop. They now offer local design, control panel fabrication and integration of control systems covering the entire spectrum of water and wastewater technology.

**Alan S. Morrison** is Vice President of the C. I. Thornburg Company. After earning his degree from Virginia Tech, Alan Morrison joined the company in 1977. In his many years with the company, Mr. Morrison has provided training on various topics for water and wastewater operators, including telemetry and SCADA.

**TOM LINDNER**

Badger Meter Company  
938 Hidden Ridge Drive  
Milford, OH 45150  
513.576.0687  
tlinder@badgermeter.com

Tom Lindner is the Sales Support Manager for Badger Meter, Inc. Tom has 13 years experience in Sales Management, with a BA in Economics from the University of Cincinnati. He has been an AMR Specialist for Badger Meter for 3 years and is a certified course instructor for OTCO. He has taught classes for the Illinois and Indiana sections of AWWA.

Badger Meter Company is a leading marketer and manufacturer of products using flow measurement and control technology, serving industrial and utility markets worldwide (public and private). Its products are used to measure the flow of liquids in a variety of applications. Products produced for the water utility markets make up a complete line of flow meters, including positive displacement, turbo, fire service and compound flow meters, and meter reading technologies, using telephone, radio frequency, and satellite technologies.

Founded in 1905, Badger Meter has earned an international reputation as a leader in the development of flow measurement technology.



## **Sidney Oakley**

**Consolidated Pipe & Supply, Inc.**

194 Hurricane Shoals

Lawrenceville, GA

Phone 800-844-9585 Fax 770-822-9323

Sid Oakley is employed by Consolidated Pipe & Supply, Inc. The company was founded in 1960 and is based in Birmingham, Alabama with branch locations and sales offices in twenty states. Consolidated Pipe and Supply, Inc. provides material and services to municipal water, sewer and gas districts and authorities. PVC pressure pipe, C-900 PVC, ductile iron and HDPE gas pipe and appurtenances are furnished to a variety of AWWA and UL specifications.

Sid is based in the Lawrenceville, Georgia sales office and has conducted numerous training sessions for water and wastewater events.



JUN 24 2008

### ENERGY AND ENVIRONMENT CABINET

**Steven L. Beshear**  
Governor

DEPARTMENT FOR ENVIRONMENTAL PROTECTION  
300 FAIR OAKS LANE  
FRANKFORT, KENTUCKY 40601  
PHONE (502) 564-2150  
FAX (502)564-4245  
www.dep.ky.gov

**Leonard R. Peters**  
Secretary

**R. Bruce Scott**  
Commissioner

June 19, 2008

Clem Wethington  
Kentucky Rural Water Association  
PO Box 1424  
Bowling Green, KY 42102-1424

Dear Mr. Wethington,

Your training requests were reviewed at the June 2008 meetings of the Kentucky Board of Certification of Drinking Water Treatment and Distribution System Operators and the Kentucky Board of Certification of Wastewater System Operators. The outcome of their review is listed below.

Course Title & Date	DW Hours Approved and DCA Event ID Number	WW Non-process Hours Approved and Event ID Number	WW Process hours Approved and Event ID Number	Comments
2008 Operator Expo Annual Conf. (8/25/07 - 8/27/07)	12.0 6035	9.0 6033	1.0 6034	See attachment for additional information
Northeast Regional, Green River Regional, and Western Regional July 2008 (7/15/08, 7/17/08, 7/24/08)	2.0 6028			

Please submit a roster for the approved courses to this office within 30 days of completion of the class. The roster needs to list the name of the training, the date of the training, the class attended, the operator's name, agency interest number, the license number to be credited and the number of hours the operator completed for each class. The DCA Event ID number should also be listed on the roster. In any future correspondence, please reference the DCA event ID number.

If you have any questions or need additional information, please contact the Division of Compliance Assistance, Operator Certification Program at (502) 564-0323 or (800) 926-8111.

Sincerely,  
*Lisa Butler*  
Lisa Butler, Program Coordinator  
Operator Certification Program  
Certification and Licensing Branch  
Division of Compliance Assistance

Attachment

June 19, 2008  
 REQ 964-08

Kentucky Rural Water Association's 29<sup>th</sup> Annual Technical Conference and Exhibition

<b>Day One</b>		Board Comments
Topic 1	1 hour non-process	
Topic 2	1.0 hour	Water only
Topic 3	1.0 hour non-process	
Topic 4	1.0 hour non-process	
Topic 5	1.0 hour process control	
Topic 6	1.0 hour	Water only. The wastewater board asks "What types of plants are being discussed? Water or wastewater? Mr. McMaine typically works in water. The board needs more details before this hour can be approved for wastewater."
<b>Day Two</b>		
Part I General Session	2.0 hours non-process	
Part II	1.0 hour non-process	
<b>Day Three</b>		
Session #A	1.0 non-process	
Session B 8:30 – 9:30	1.0 hour	Water only
9:40 – 10:40	1.0 hour non-process	
10:50 – 11:50	1.0 hour	Water only
Session C 8:30 – 9:30	1.0 hour non-process	
9:40 – 10:40	1.0 hour	Water only
10:50 – 11:50	1.0 hour non-process	
The hours listed are for water and wastewater except where noted in the comments. The approved wastewater hours are denoted as process or non-process.		

Total hours approved for water operators – 12.0

Total hours approved for wastewater process control – 1.0

Total hours approved for wastewater non-process control – 9.0