



# Kentucky Rural Water Association

Helping water and wastewater utilities help themselves

July 28, 2005

Ms. Beth O'Donnell, Executive Director  
Kentucky Public Service Commission  
P. O. Box 615  
Frankfort, KY 40602

RECEIVED

AUG 1 2005

PL. TO SERVICE  
ST. LOUIS

Case No. 2005-00332

Dear Ms. O'Donnell:

Kentucky Rural Water Association will host its 26<sup>th</sup> Annual Technical Conference and Exhibition, "**Primed for Success**," at the Hyatt Regency and Lexington Center in Lexington, Kentucky on August 22-24, 2005. We request that this training be approved for commissioners as referenced in the new law, (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 will be collected there and forwarded after the conference;
- 2) Approval for Drinking Water and Wastewater Operators training hours has been submitted to the Kentucky Board of Certification of Water Treatment and Distribution System Operators and the Kentucky Board of Certification of Wastewater System Operators.

If additional information is needed, please do not hesitate to call.

With this letter and enclosures, Kentucky Rural Water Association requests the approval of a total of twelve (12) hours for commissioner/board member training.

Sincerely,

*Phillip East*

Phillip East  
Education Services Director

Enclosures



# Kentucky Rural Water Association

Helping water and wastewater utilities help themselves

July 11, 2005

*Per Lisa Butler,  
approved for 12  
hours of continuing  
edu. training.*

Facsimile #: 502.564.9720  
No. Pages: 23

Ms. Lisa Butler  
Operator Certification Section  
Division of Compliance Assistance  
Dept. for Environmental Protection  
14 Reilly Road  
Frankfort, KY 40601

*7/22/05  
JC*

Dear Ms. Butler:

Please present the enclosed "Application for Approval of Courses for Continuing Education Credit" to the Kentucky Board of Certification of Water Treatment and Distribution System Operators and the Kentucky Board of Certification of Wastewater System Operators at their next respective meetings, as outlined below:

TOPIC	DATE(S)	LOCATION	TYPE
26 <sup>th</sup> Annual Technical Conference and Exhibition – Primed for Success	August 22-24, 2005	Hyatt Regency and Lexington Center Lexington, KY	DW/WW

Resumes for the speakers have been enclosed along with the training summary and agenda. Should you have any questions, please do not hesitate to contact the Kentucky Rural Water Association office at 270.843.2291.

Sincerely,

Janet Cole  
Education Services

Enclosures

# Application for Approval of Courses for Continuing Education Credit

Kentucky Division of Water / Operator Certification Section  
14 Reilly Rd., Frankfort, Kentucky 40601

## I. Course Sponsor Information

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

Kentucky Rural Water Association

B. Key Contact Person:

Name & Title: Phillip East Education Services Director

Address P. O. Box 1424

City, State & Zip Bowling Green, KY 42102-1424

Phone & Fax 270.843.2291 270.796.8623

Email j.cole@krwa.org

Web Page www.krwa.org

## II. General Course Information

A. Title 26<sup>th</sup> Annual Technical Conference and Exhibition – Primed for Success

B. Location & Date/s Hyatt Regency & Lexington Center, Lexington, KY August 22-24, 2005

C. Cost per Student or Group \$100 members

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 Operator Hours \_\_\_\_\_

Drinking Water Distribution Operator Hours \_\_\_\_\_

Total DW Hours (if for both treatment and distribution) 12

Wastewater Treatment &/or Collection Operator Non-process Control Hours 7

Wastewater Treatment Operators Process Control Hours 5

## 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 & 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.  Needs Analysis of Participants (Designed by whom / methods / results)
- D.  Field Testing of Course (Developed & conducted by whom / audience / results)
- E.  Ongoing Course Evaluation (Methods for feedback & assessment / results to date)
- F.  Support Available to Participants (instructions / validation of content / references)
- G.  List of colleges, universities, regulatory agencies, etc. that have awarded credits for the course (provide semester hours and/or continuing education awarded).
- H.  Required Assignments &/or Examinations (type, passing score, etc.)
- I.  Mandatory Time Constraints (deadlines, granting of extensions, etc.)
- J.  Documentation of Results to Students (copy of certificate, letter, etc.)
- K.  Security Procedures (Operator identification, tracking of hours, exam proctors, 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 Water (within 30 days of completing the course when possible).

Printed Name & Title Phillip East Education Services Director

Signature & Date Phillip East July 11, 2005

\*\*\*\*\*

**For Division of Water Use Only**

Evaluated by:

- Drinking Water Board      Date \_\_\_\_\_
- Wastewater Board      Date \_\_\_\_\_

- This course has been approved for the following continuing education credits (hours):
  - Drinking Water Treatment Operator Hours \_\_\_\_\_
  - Drinking Water Distribution Operator Hours \_\_\_\_\_
  - Total DW Hours (if for both treatment and distribution) \_\_\_\_\_
  - Wastewater Treatment &/or Collection Non-process Control Hours \_\_\_\_\_
  - Wastewater Treatment Process Control Hours \_\_\_\_\_

- Consideration of this course has been tabled or denied.

Reason Tabled (additional information needed)

Reason Denied

Reconsidered by:

- Drinking Water Board      Date \_\_\_\_\_
- Wastewater Board      Date \_\_\_\_\_

Results of Reconsideration (Provide narrative here and update cells above):

\_\_\_\_\_  
\_\_\_\_\_

**TRAINING SUMMARY**  
**Kentucky Rural Water Association's**  
**26<sup>th</sup> Annual Technical Conference and Exhibition**  
**August 22 – 24, 2005**  
**Hyatt Regency/Lexington Convention Center**  
**Lexington, Kentucky**

**Presented By: Kentucky Rural Water Association**

Learning Objectives: This three-day Annual Conference will be directed toward the operators, managers, office personnel, and decision-makers of water and wastewater utilities throughout Kentucky. The theme of our 2005 Annual Technical Conference and Exhibition is “**Primed for Success.**” Our training objective for this conference is to ensure that water and wastewater professionals are prepared (primed) to successfully face the challenges required for safe drinking water and properly treated wastewater. By relying on the expertise of peers, technical assistance providers, industry professionals, and governmental agencies, we hope to enable those present to increase their knowledge and professionalism in the water and wastewater industry.

**DAY ONE – MONDAY, AUGUST 22, 2005**

**6 hrs.**

**Pre-Conference Training**

**8:30 A.M. – 11:50 A.M. (two 10-minute breaks)**

**Lunch**

**1:00 P.M. – 4:20 P.M. (two 10-minute breaks)**

**Topic # 1**

**8:30 A.M. – 9:30 A.M.**

**Variable Speed Pumps**

**Steve Gott, S&K Equipment Co.**

Providing one (1) hour of training, this session will focus on the growing use of variable speed pumps among water and wastewater utilities. Widely known for his expertise and his ability to provide pumping solutions, Steve Gott will use the following outline in his presentation:

1. Variable Speed Pumping – What Does It Mean?
2. How to Vary Pumping Speeds
3. Benefits of Variable Speed Pumping
4. Variable Speed Pumping Applications in water and wastewater settings
5. The Costs and Savings of Variable Speed Pumping

**Break**

**9:30 A.M. – 9:40 A.M.**

**Topic # 2**

**9:40 A.M. – 11:50 A.M.**

**Tips & Tools for Better Water/Wastewater Operations**

**Mike Harrington, USA BlueBook**

Providing two (2) hours of training, this session is one of the best of Mike Harrington's water and wastewater training packages which he has developed and delivered over the years. Information presented will include topics from the following:

1. Misunderstood monitoring parameters – Alkalinity and Temperature
2. Disinfection – Some Essential Things To Remember
3. 10 Best Kept Secrets to Better Water/Wastewater Operations
4. Professional Water/Wastewater Operations – My Responsibility

**Lunch** 11:50 A.M. – 1:00 P.M.

**Topic # 4** 1:00 P.M. – 2:00 P.M.  
**Technology – GIS/GPS for Water and Wastewater Systems**  
**Trey Lyon, Spatial Data Integrations, Inc**

Providing one (1) hour of training, this session will address technology in general, and GIS/GPS in particular. Mr. Lyon will show how these technologies are being widely applied within water and wastewater systems. Items to be discussed will include:

1. GIS/GPS – What is it, and why are water and wastewater systems using it?
2. Compiling and digitizing system data – pipes, tanks, valves, fittings, meters, pump stations, lift stations, and hydrants.
3. Creating a single source for vital system needs using an automated mapping system.
4. Using computer mapping systems in water and wastewater system operation and maintenance.

**Break** 2:00 P.M. – 2:10 P.M.

**Topic # 5** 2:10 P.M. – 3:10 P.M.  
**Sampling and Monitoring for Water and Wastewater Systems**  
**Jana Fattic, WATERS Laboratory, WKU**

Providing one (1) hour of training, sampling and monitoring requirements, techniques, and procedures will be the focus of this session. Topics to be addressed include:

1. Sampling and Monitoring Regulations in Kentucky
2. Responsibility for Meeting Sampling and Monitoring Regulations
3. The Roles of the Operator, the Utility, the Certified Laboratory, and the Regulator Agency
4. Basics of Sampling and Monitoring
  - Sampling Techniques and Procedures
  - Sampling Containers
  - Sampling Frequency
  - Preservation of Samples
  - Chain of Custody
  - Records and Reports

**Break** 3:10 P.M. – 3:20 P.M.

**Topic # 6** 3:20 P.M. – 4:10 P.M.  
**Flow Measurement in Water & Wastewater Systems**  
**Jeff Merman, Automatic Controls Company**

Providing one (1) hour of training, the growing use of Ultrasonic Flow Meters at water and wastewater plants and systems will be addressed – as well as other types of flow measurements. The following topics will be included:

1. The Importance of Accurate Flow Measurement in Water and Wastewater Operations
2. Basic Flow and Measurement Principles
3. Ultrasonic Flow Measurement – Application, Installation, and Maintenance
4. Meter Comparisons with Venturi, Orifice, Positive Displacement and Open Channel

**General Session****1:30 P.M. – 4:45 P.M. (One 15-minute break)**

**Part I, Two Speakers**           **1:30 P.M. – 3:00 P.M.**  
**Primed for Success**  
**Bobby Scott, President, National Rural Water Assn.**  
**Ellen Williams, Commissioner, Governor’s Office**  
**for Local Development**

Providing one and one-half (1.5) hours of training, this part of the General Session will reflect the theme of the conference – “Primed for Success.” Celebrating 26 years of service, Kentucky Rural Water Association will in this session feature current leaders from groups or organizations that have been instrumental in shaping and sharing in the success of water and wastewater systems and services in Kentucky. The following organizations will be featured:

1. National Rural Water Assn. President Bobby Scott will discuss the successes of water and wastewater professionals in the past and how we can prepare or “prime” ourselves for continued success in the future. Encouraging Quality on Tap and source protection through wastewater treatment excellence, the National Rural Water Association President will recognize the water and wastewater professionals in Kentucky for their outstanding standards of quality and service.
2. Governor’s Office for Local Development. Ellen Williams, Commissioner, will greet the water and wastewater professionals gathered and share some of the functions and challenges faced by communities, local governments, and utilities through-out the state. Her message will explain her organization’s role, its place in Kentucky Government, and its goals for community preservation and opportunities for growth. As such, making sure water and wastewater utilities and personnel are primed for success will be recognized as essential to the success of the mission of Governor’s Office for Local Development.

**Break**                               **3:00 P.M. – 3:15 P.M.**

**Part II, Two Speakers**       **3:15 P.M. – 4:45 P.M.**  
**Primed for Security**  
**Steve Clark, USEPA, Off. of Groundwater & Drinking Water**  
**Ed Thomas, Security Lead, National Rural Water Assn.**

Providing one and one-half (1.5) hours of training, this session will focus on the security issues of our nation through the eyes of Drinking Water and Wastewater Professionals. Recently back from Iraq, where his military role included inspection and evaluation of the City of Baghdad water and wastewater systems, Mr. Clark’s program will include:

1. EPA’s role in helping small water and wastewater systems.
2. EPA’s Small System Tool Development initiative.
3. Priming for success through asset management.
4. Utility security – up close and personal.

Mr. Thomas will join Mr. Clark in a presentation of the following:

1. How secure are our water and wastewater utilities? Are we vulnerable?
2. The value of vulnerability assessments and emergency response plans.
3. An intrusion exercise – does it work and is it effective?
4. Emergency Response Table-top exercises for water and wastewater utilities.

**Cracker Barrel Concurrent Sessions****8:30 A.M. – 11:45 A.M. (One 15-minute break)****SESSION # 1:                    Drinking Water Professionals****Topic # 1:                    8:30 A.M. – 9:15 A.M.  
Drinking Water Regulatory Overview  
Donna Marlin, DOW**

Providing three-fourths (.75) hours of training, this topic will cover the essential regulations for drinking water utilities with emphasis on prevailing and up-coming changes.

**Topic # 2:                    9:15 A.M. – 11:00 A.M. (one 15-minute break)  
Water Professionals Forum  
Julie Roney, Drinking Water Certification Board  
Ed Nichols, Commissioner, Grayson Co. Water Dist.  
Walt Beasley, Ohio Co. Water District**

Providing one and one-half (1.5 ) hours of training, this program will consist of a panel of drinking water professionals reviewing current policies and practices which help prime operators and managers for success. Using Kentucky's Chapter 8 Regulations, the panel will also field questions from the audience while encouraging participation of all attendees in the discussion of important drinking water issues.

**Topic #3                    11: 00 A.M. – 11:45 A.M.  
What Does The Future Hold for Water Utility  
Operators – Guaranteed Performance Contracting?  
John Anderson, Johnson Controls**

Providing three-fourths (.75) hours of training, this session will address some potential challenges for drinking water professionals. Primed for success may include a growing industry trend in guaranteed performance contracts. The operator will still be in responsible charge. The following will be included:

1.     What is guaranteed performance contracting?
2.     How will the certified operator be affected?
3.     How is compliance with regulations assured?
4.     The operator and ultimate responsibility for safe drinking water.

**SESSION # 2                    Wastewater Professionals Forum****Topic #1                    8:30 A.M. – 9:15 A.M.  
What Does the Future Hold for Wastewater Utility  
Operators – Guaranteed Performance Contracting?  
John Anderson, Johnson Controls**

Providing three-fourths (.75) hour of training, this session will address some potential challenges for wastewater professionals. Primed for success may include a growing industry trend in guaranteed performance contracts. The following will be included:

1.     What is guaranteed performance contracting?
2.     How will the certified operator be affected?
3.     How is compliance with regulations assured?
4.     The operator and ultimate responsibility for properly treated wastewater.





# *S & K Equipment Company*

STEVEN GOTT  
P. O. Box 342  
VINCENNES, IN 47591  
(812) 886-0245

## Work Experience

2002	S & K Equipment Company, Owner
1988-2002	Straeffler Pump & Supply Director of Sales Education; Outside Sales, and Manager of Service Dept.
1985-1988	Hague Equipment Service, Sales, and Design
1982-1985	Graham Equipment Sales and Service

## Educational Background

Have attended various pump and systems courses as well as valve and hydraulic schools  
Extensive instruction on controls and systems  
Graduate of National Radio Institute (NRI) – Electronics  
Credited gas chlorination, equipment & design classes  
Dale Carnegie courses

**Mike Harrington  
C.M. Harrington Co.  
USA BlueBook**

**P. O. Box 832  
Chestertown, MD 21620  
(410)778-4220**

- Education:** Graduate Work, Wilmington College, Dover, DE
- BSBA degree, Columbia Union College, Takoma Park, MD-1988
- AA degree, Chesapeake College, Wye Mills, MD-1975
- Variety of technical seminars, short courses, water and wastewater treatment, industrial water, and solid waste management-1972-1978
- Technical school diploma, water & Wastewater treatment, Crowder College, (formerly Water & Wastewater Technical School) Neosho, MD-1971
- Employment:** C.M.Harrington Co.: Product marketing and training free agent serving manufacturers, large distributors and rural water association state affiliates serving the small to midsize water/wastewater facility. 1996 to present
- LaMotte Co. (Chestertown, MD): Marketing Manager-initiated small system marketing plan to promote sales. 1988 to 1995
- Singer Co. (Silver Spring, MD): I & C Engineer-successfully managed nuclear plant DI water makeup instrumentation. 1981 to 1988
- Fischer & Porter Co. (Baltimore, MD): Municipal field service engineer-chlorination & flow measurement. 1976 to 1981
- Roper-Eastern Corp. (Baltimore, MD): Industrial Wastewater Supt.-cyanide/heavy metals treatment facility. 1974 to 1976
- City of Annapolis, MD: Chief Operator-wastewater treatment facility. 1971 to 1974
- Certifications:** Class B Water, OK; Class C Water, TX; Class B Wastewater, OK and MD; Class C Wastewater, TX; Class A Industrial Wastewater, MD
- Publications:** Field Water and Wastewater Test Methods. Water Quality Assn., 1992 Annual Conference, Orlando, FL
- Choosing the Right Field Test for Water Quality Testing. International Water Technology Mag., Vol. 1 #3, Sept. 1995
- How to Treat Water Disinfected with Chloramines. Water Technology Magazine, Vol. 19 #6, June 1996

# **SPATIAL DATA INTEGRATIONS, INC.**

**Jake B. Lyon, III (Trey)**  
**President**

Spatial Data Integrations, Inc. is a small minority-owned company located in Louisville, Kentucky. Audwin A. Helton, owner and president of Spatial Data Integrations, hired Trey Lyon in June, 2003 to provide customized Geographic Information Systems (GIS) for rural utilities and small municipalities.

Jake B. Lyon, III (Trey) was selected because of his extensive knowledge in the field of GIS applications and a background of working with utilities through the Center for Water Resource Studies at Western Kentucky University. His educational background includes:

- Certificate in Computer Applications, KY Advanced Technology Institute
- Certificate in Automated Systems, KY Advanced Technology Institute
- B.S. Computer Information Systems, Western Kentucky University
- Utility Management Professional, Kentucky Rural Water Assn. and Western Kentucky University

The vision for Spatial Data Integrations, Inc. is to become a leading developer in customized GIS applications and services, while also being recognized for quality and service. An integral part of their vision relies upon developing key relationships with customers and partners to develop products and/or services.

**JANA FATTIC  
WATERS LABORATORY  
WESTERN KENTUCKY UNIVERSITY**

**BIOGRAPHY**

Since receiving her Bachelor of Science degree from Western Kentucky University, Jana Fattic has worked for environmental consulting firms in Kentucky and Illinois. Ms. Fattic also worked at Maryland Department of the Environment in the Water Supply Program, which regulates all public water supplies in that state. Currently, Ms. Fattic is Operations Director of the WATERS Laboratory at WKU. She is certified by the State of Kentucky as a microbiological analyst, and is a Registered Sanitarian.

## **JEFF MERMAN, President, Automatic Controls Co.**

- 28 years experience selling industrial instrumentation and controls in the Commonwealth of Kentucky.
- 21 years with Automatic Controls Co.
- Prior speaker at various ISA Conferences, TAPPI & other Water & Waste Water Training Classes.
- 25 Year Member of ISA,
- Other memberships: Kentucky Rural Water Assn., The Vibration Institute, and agency member of MANA.

**Jeff Merman**

**AUTOMATIC CONTROLS COMPANY**

**2231-B AMPERE DR.**

**LOUISVILLE, KY 40299**

**P:502.266.6640**

**F:502.266.6588**

**C:502.724.3037**

**[www.automaticcontrolsky.com](http://www.automaticcontrolsky.com)**



**Bobby Scott, President  
National Rural Water  
Association**



**National Rural Water Association President, Bobby Scott, is the General Manager of the Savannah Valley Utility District located in Georgetown, Tennessee. Scott was appointed to the NRWA board in 1994 and has served as Senior Vice President, Chairman of the Regulatory/Research Committee and has been an active member of the Finance and Long Range Planning Committees. He also serves on the Board of Directors for the Tennessee Association of Utility Districts.**

**Much of President Scott's National Rural Water duties include leading the charge for clean, safe and affordable drinking water in rural America. He spends a great deal of his time visiting locations throughout the United States. As Scott attends and participates in water conferences, expos and legislative meetings; he challenges water and wastewater professionals to further their dedicated commitment to the water industry while protecting the environment.**

**Scott is active in his community serving on the Board of Directors for the Volunteer Fire Department, member of the Snowhill Lions Club, Hamilton Co. Utility Association and Hamilton Co. Planning Commission. Scott is very dedicated to family. His wife, Linda, often accompanies him in his rural water travels.**

# Commissioner Ellen Williams

Ellen Williams is the first female commissioner of the Governor's Office for Local Development. She was appointed by Governor Ernie Fletcher in May 2005.

Before her appointment, Williams served as Vice Chairman of the Public Service Commission. Prior to her work at the Public Service Commission, Williams served for five years as Chairman and Executive Director of the Republican Party of Kentucky. During her tenure as Chairman, she was chosen by President George W. Bush to chair the Site Selection Committee for the 2004 Republican Convention.

Williams was elected as the Chairman of the Southern Chairman's Association of the Republican National Committee and also served as the Chairman of the Defense Subcommittee of the Platform Committee at the 2000 Republican National Convention. Ellen was also named one of the 12 Most Influential Women in Kentucky by Kentucky Monthly Magazine.

Williams also served as a government relations consultant to the Lexington Board of Realtors. She spent 10 years in government service in Washington, D.C. She began her career as a staff assistant to U.S. Representative Larry J. Hopkins (KY-6). She then worked for President Ronald Reagan and Vice President George Bush in the White House and then for U.S. Senator Bob Kasten (WI) and U.S. Senator Don Nickles (OK).

As Commissioner of GOLD, Williams serves as the Governor's Alternate to the Appalachian Regional Commission and the Delta Regional Authority. She also serves as a member of the board of the Kentucky Housing Corporation and PRIDE.

Williams is active in the Anderson County Independent Youth Soccer Association and is a volunteer in the Anderson County Public Schools. She is the mother of two sons.





**Steve Clark**  
**Environmental Protection Agency**  
**Drinking Water Protection Division**  
**Office of Groundwater and Drinking Water**  
1200 Pennsylvania Avenue NW  
Mailcode 4606M  
Washington, DC 20460  
202-564-3884  
Clark.Steve@epa.gov

As a lead on small systems tool development and former Capacity Development Coordinator, Steve has been extensively involved in small drinking water system (<3300 pop) assistance by ensuring State implementation of Capacity Development Strategies and by providing assistance tools to all stakeholders. This assistance focuses on the ability of small systems in maintaining Technical, Managerial, and Financial (T,M, & F) capacity, which is an integral part of EPA's Sustained Infrastructure Initiative. Steve has been with the EPA since early 2004.

Steve recently served our country in war-torn Baghdad in 2003-2004 as an activated Army Reservist. While in Baghdad, one of Steve's many tasks were to assess the water and wastewater utilities within the city of Baghdad. Other tasks included prisoner and soldier healthcare through Preventive Medicine in and around Baghdad. (Yes, Abu Ghraib Prison, too)

Before his call-up to military service, Steve was an active member within the State of Virginia's Division of Drinking Water where he held positions as an Environmental Inspector, an Inspector Supervisor, and more recently as the Small Systems Coordinator. With over 25 inspectors statewide, small systems assistance and the protection of public health through safe drinking water were, and remain, his primary focus.

Serving as Utility Superintendent (Water/Wastewater) in Exmore, VA, a small town on Virginia's Eastern Shore, Steve was able to fully understand the meaning of public servant. Operating the water and wastewater facilities for over 1200 connections and 2300 customers exposed Steve to the hardships and rewards of operating, managing, maintaining, and budgeting a public utility. Steve obtained his Waterworks Operator License while maintaining safe drinking water for the consumers of this small system.

In 1997, Steve, as an Assistant Environmental Manager for Perdue Farms, Inc, managed a 4.0MGD wastewater treatment facility and 6 potable wells servicing Perdue's second largest poultry production plant located on the Eastern Shore of Virginia. While there, he became a licensed wastewater operator with the State of Virginia.

Steve has held a Waterworks Operator license with the State of Virginia since 1997.

Steve resides in Culpeper, VA with his lovely wife and 2 precious daughters. He has a BS from Regent College and has numerous Environmental Health Certifications to his name to include being a DOE safety instructor in Confined Space Entry and Lock-Out/Tag-Out. Steve is currently finishing up his Masters of Public Administration and Policy in Environmental Management.

# Edwin A. Thomas, II

405 Elm Avenue  
Glen Burnie, MD 21061  
(H) 410-760-6610  
(W) 202-260-0910  
[thomas.edwin@epa.gov](mailto:thomas.edwin@epa.gov)

**EDUCATION:** **M.S., Environmental Engineering**, 1996, Johns Hopkins University, Baltimore, MD  
**B.S., Biology**, 1993, Virginia Tech, Blacksburg, VA

## PROFESSIONAL EXPERIENCE:

U.S. ENVIRONMENTAL PROTECTION AGENCY, OFFICE OF WATER – Washington D.C.  
to present

2/98

Associate Team Leader – Responsible for assisting in the management of the Office of Ground Water and Drinking Water Chemical, Radiological and Right-to-Know Implementation Team. Primary duties include development of operating budgets, provide management with budget and spending justifications, and oversight of staff spending and extramural funds.

- Present briefings to U.S. Senators and U.S. House of Representative Congressional Staff.
- Liaison between the Office of Water and the Office of Prevention, Pesticides and Toxic Substances.
- Prepare and present briefings/training sessions to management, stakeholders, trade organizations, media, and industrial representatives.
- Provide assistance to States and training service providers (e.g. The National Rural Water Association and the Rural Community Assistance Program) in developing plans to ensure facilities have the necessary resources to comply with regulatory requirements.
- Received two Bronze Awards from the Office of Water's, Assistant Administrator for "*extraordinary effort, and exemplary commitment of EPA's drinking water standards for the Radionuclides and Arsenic Regulations*".

Environmental Scientist – Primary responsibilities in the Office of Ground Water and Drinking Water include Underground Injection Control (UIC) support; public drinking water rule development, support and implementation assistance; evaluation of source water protection criteria; and collect, assimilate, and analyze contaminant occurrence data to evaluate alternative approaches for protecting source water.

- Prepare written responses to Congressional, Regional/State inquiries and inquiries from outside organizations such as industrial or environmental groups.
- Participate in the development and implementation of underground injection control regulations, and source water protection criteria.
- Implementation Rule Manager for, Arsenic, Radionuclide, Unregulated Contaminant Monitoring, 6 Year Regulatory Review, Contaminant Candidate List, Phase II/V rules, and Chemical Monitoring Reform; including leading EPA and State workgroups, rule development, and contract management.
- Completed EPA's most extensive analysis of regulated contaminant occurrence in public drinking water systems. The study evaluated over 10.7 million analytical results from 26,000 water systems.

GENERAL PHYSICS CORPORATION -- Edgewood, MD

12/94 to 2/98

Project Manager - Provided environmental compliance support to the U.S. Postal Service, and several industrial and Department of Defense (DOD) facilities. As a project manager provided oversight to ensure facilities maintain compliance with applicable environmental regulations and reviewed engineering designs to ensure specifications conformed to environmental requirements. Supervised five (5) engineers and scientists.

- Provided environmental compliance support to industrial facilities including site assessments and environmental compliance audits.

**PROFESSIONAL EXPERIENCE (Cont.):**  
GENERAL PHYSICS CORPORATION

- Provided routine inspections of backflow devices and conducted water loss study evaluating water use and water reduction strategies.
- Developed and implemented numerous compliance programs for a DOD facility; i.e., landfills, sewage sludge, nutrient management plans, used oil, oil contaminated soil, wastewater treatment plants NPDES permits, used tires, medical waste, asbestos, lead, and composting programs. Also managed DOD recycling and waste minimization programs.
- Responsibilities included procuring contracts, negotiating rates, developing proposals, contract management, and daily interaction with client to manage day-to-day environmental issues.
- Developed environmental, safety and health SOP's in accordance with OSHA for field operations.
- Conducted environmental compliance audits to ensure facilities were in compliance with the CWA, SDWA, RCRA (Subtitle C, Subtitle D, and UST requirements), OPA, TSCA, FIFRA, CAA, and EPCRA.

Environmental Engineer - Provided environmental compliance support to several government and private industrial facilities. Provided technical support to both the water and waste management groups. Responsibilities included evaluation and inspections for recycling and disposal facilities, stormwater management, drinking water compliance, and proper operation of wastewater treatment plants.

- Developed RCRA Sampling and Analysis Plans including Phase I environmental site assessments.
- Prepared Environmental Assessments (NEPA documents) and feasibility studies. Developed solid waste management plans and provided technical revisions for the overhaul of recycling programs.
- Conducted special pollution prevention and source reduction studies.
- Prepared EPA and Maryland Department of the Environment (MDE) operating permits and conducted compliance audits prior to escorting MDE Environmental Compliance Inspectors.
- Monitored and performed stormwater management evaluations; conducted studies to investigate sources of contamination in industrial, commercial and residential wastewater treatment plants.
- Evaluated/Monitored wastewater treatment NPDES and sewage sludge permit compliance.

EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC. -- Hunt Valley, MD

8/93 to 12/94

Laboratory Technician - Responsibilities as a laboratory technician in the toxicology lab included conducting acute and chronic bioassays with municipal and industrial wastewater to ensure compliance with NPDES permits. Additional responsibilities included researching toxicological literature for studies; training entry-level technicians in safe and standard laboratory operating procedures; performing quality control evaluations; reviewing data for client report preparation; and collecting samples for NPDES discharge points to evaluate ambient water quality.

VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY -- Charlottesville, VA

5/93 to 8/93

Geologist Technician (Summer Position) – Responsibilities included collection of stream discharge measurements and monitoring ground water levels; verification of surface water data calculations (Quality Assurance); field inspections of stream-gauging stations and evaluating scientific continuous monitoring equipment.

**BOARD  
EXPERIENCE:**

Former Secretary - Planning and Zoning Commission; the Bureau of Glen Rock, Pennsylvania  
Former Board Member - Southern York County Regional Planning Commission, Pennsylvania  
Former Board Member - Southern York County Water and Sewer Authority, Pennsylvania  
Former Board Member - Unlined Rubble Landfill Work Group; Maryland Department of Environment

**CERTIFICATIONS:**

PWS Comprehensive Performance Evaluation (CPE) Certification, 2001  
ISO 14000 - EMS Certified Lead Auditor, SGS International Certification Services, 1996  
40-hour OSHA hazardous materials trained, HAZMAT, Inc., 1994  
Annual 8-hour health and safety refresher training, 1995 - 1997  
Confined space training, University of Maryland Fire and Rescue Institute, 1995

*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

**Julie Roney, Supervisor  
Technical Assistance and Outreach Branch  
Division of Water  
14 Reilly Road  
Frankfort, KY 40601  
(502) 564-3410**

Education: Bachelors of General Studies (developed my own curriculum with emphasis in Environmental Sciences)  
University of Kentucky, Lexington, KY  
December 1979 (with High Distinction)

Bachelors of Science in Biology  
University of Kentucky, Lexington, KY  
December 1990 (with High Distinction & Departmental Honors)

Masters in Biology  
Eastern Kentucky University, Richmond, KY

Experience: 21+ years in the environmental field

Drinking Water Branch/Division of Water  
February, 1999 to Present

Kentucky-American Water Company, Lexington, KY  
Director of Water Quality  
September 1987 to January 1999

Commonwealth Technology, Inc., Lexington, KY  
Water/Biology Lab Supervisor  
March 1980 to September 1987

## Ed Nichols

1939 – Graduated from Clarkson High School

He has been married to Ella Mae for 59 years.  
They have three daughters: Sharon Constant and husband R.C.  
Brenda Webb and husband Bobby of Bowling Green.  
Diana Nichols of Dallas Texas  
And three Grandchildren:  
Beth Ratley and husband Clay (local attorneys)  
Craig Constant (student at Georgetown College)  
Hannah Webb (of Bowling Green)

Ed will celebrate his 86<sup>th</sup> birthday on November 3<sup>rd</sup>. Although he is not the oldest living person in Clarkson, he may very well be the oldest continuous resident of Clarkson. He has lived in Clarkson since he was a small child and has lived at his current residence for 53 years. **Ed is one of the most pleasant and sincere people you will ever meet.**

Has served on the Board of Grayson County Water District since its inception in 1971. Has served as Chairman of the Board for over twenty years.

Is a World War II Veteran.

Began his career helping the farmers of Grayson County:

1952 -- Assistant Manager of Southern States Leitchfield Co-op and 18 months later became Manager.

1963 – Founded and became Manager of Farmers Supply Store.

1966 – Became Manager of Nolin Production Credit Association, Leitchfield Office.  
Retired from Nolin PCA in January 1982.

After his first retirement Ed sold life/health insurance and obtained his real estate license, which he still holds today and continues to sell crop insurance.

Throughout the years he has been involved in numerous community activities:

He is a charter member and former President and secretary of the Clarkson Lions Club.

Has worked with the local Future Farmers of America Program.

Began the private Enterprise Program for high school students.

Has taught adult farming classes.

Board member of the 4-H Council.

Member of the Clarkson Town Board and Clarkson City Council.

Member of the Clarkson Masonic Lodge.

Member of the Clarkson Baptist Church.

***Walter Beasley***  
**Ohio County Water District**  
**130 East Washington Street**  
**Hartford, KY 42347**  
**270.298.7704**

Walt Beasley was rescued from retirement in 2001 and accepted the position of General Superintendent of Ohio County Water District. In his position as General Superintendent, Walt oversees the day to day operation of the utility focusing on administrative functions, implementing changes, keeping abreast of regulations and reviewing updates.

Before coming to Ohio County Water District Mr. Beasley retired from Big Rivers Electric Company after twenty-five years of employment.

**John M. Anderson**

Account Executive  
Johnson Controls, Inc.  
Controls Group  
8918 Beckett Road  
West Chester, OH 45069  
513/603-4127

John Anderson, Account Executive for Johnson Controls, has over fifteen years experience in providing solutions to the public sector market. He is a Kentucky native, born and raised in Ashland, KY. John holds a Bachelors of Business degree from the University of Kentucky.

Johnson Controls is committed to providing high quality affordable solutions for improving performance in the utility industry. They are experts in identifying inefficiencies and determining real, guaranteed savings that positively impact all budget areas including utilities, operations and maintenance, materials, and capital asset management.



**Shafiq Amawi**  
Facilities Construction Branch  
Division of Water  
14 Reilly Road  
Frankfort, KY 40601

Phone: (502) 564-3410  
Fax: (502) 564-5105  
E-mail: [shafiq.amawi@ky.gov](mailto:shafiq.amawi@ky.gov)

Shafiq Amawi oversees the Wastewater Permitting and Construction for the Division of Water.

State regulation 401 KAR 5:005 requires that a permit be issued by the Division of Water prior to start of construction on wastewater treatment or conveyance systems. Sewer line extensions and private treatment plants are reviewed by the Wastewater Facilities Review Section. Municipal treatment plants and sewer systems funded by EPA grants and State Revolving Fund loans are reviewed by the Municipal Design and Construction Section.

Dennis Gumbert  
Public Works Superintendent  
Worthington Municipal Water Works  
P. O. Box 366  
Worthington, KY 41183  
Ph: 606.836.6821

Dennis Gumbert serves as the Chairman of the Kentucky Board of Certification of Wastewater System Operators.

# Chris Klotter

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<b>Education</b>	1989 - 1994	Western Kentucky University Bowling Green, KY
	<b>Biology Major</b>	<b>Chemistry Minor</b>
	<ul style="list-style-type: none"><li>▪ David Wedge Scholarship in Marine Biology</li><li>▪ University sponsored reef ecology studies at Biological Field Station, San Salvador, Bahamas</li><li>▪ Independent Undergraduate Research on Zebra Mussels</li></ul>	
<b>Certifications</b>	Class IV Wastewater Treatment Certification (Kentucky Natural Resources and Environmental Protection Cabinet)	
	Utility Management Professional (Western Kentucky University and Kentucky Rural Water Association Utility Management Institute)	
	Backflow Prevention Certification (Tennessee Department of Environment and Conservation)	
<b>Work experience</b>	April, 2005 – Present	Kentucky Rural Water Association
	<b>Wastewater Technician</b>	
	<ul style="list-style-type: none"><li>▪ Provides on-site technical assistance and training to small rural municipal wastewater treatment systems and rural systems</li></ul>	
	1995 - 2005	City of Franklin Franklin, KY
	<b>Pretreatment Coordinator</b>	
	<ul style="list-style-type: none"><li>▪ Review and analyze industrial wastewater discharge monitoring reports and treatment systems</li><li>▪ Meet with industrial representatives to discuss specific problems and solutions</li><li>▪ Coordinate and implement industrial sampling</li><li>▪ Perform chemical and bacteriological tests on collected samples</li><li>▪ Inspect all industrial pretreatment facilities</li><li>▪ Permit writing and surcharge billing</li><li>▪ Coordinate activities of all pretreatment personnel including operators and laboratory personnel</li></ul>	
	1994	SMR Engineering & Environmental Services
	<ul style="list-style-type: none"><li>▪ Stream survey</li><li>▪ Electrofishing</li><li>▪ Benthos sampling</li><li>▪ Fish and invertebrate identification</li><li>▪ Toxicity testing</li></ul>	
<b>Professional memberships</b>	Member of Barren River Watershed Partnership	
	Member of Kentucky Water and Wastewater Operators Association	

# 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.