



## Champions: Past, Present & Future!

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As the incoming 2015 Conference Committee Chair, I would like to commend Kevin Shaw, Lisa Detherage and the Conference Committee on the 57th Annual Conference. I would also like to say **"Thank You"** to those that sponsored the Conference, vendors who exhibited, presenters and volunteers who worked to make it a success. With venue and program changes, this year was a challenge, but it proved to be worthwhile given the positive responses received. In closing, I would like to invite you to attend the 2015 Conference, April 12 - 16<sup>th</sup> at the Crowne Plaza Louisville Airport. If you have suggestions or would like to assist with the Conference, please contact the Conference Committee via email at [kwwoa@fewpb.net](mailto:kwwoa@fewpb.net).

Sincerely, Darran Rankin

KWWOA is fortunate to have such an extraordinary group of members who demonstrate each work day that they are Champions for the environment and protectors of our health. We see this year after year and for that reason KWWOA annually recognizes their efforts and professionalism.

To receive a KWWOA state award, members must first be nominated for consideration at the Chapter level. Each nomination is reviewed by the appropriate Chapter and the winners are forwarded to the KWWOA Board for state level award consideration. A Selection Committee, made up of reps from each Chapter, review the nominations and visit the Facilities before making their selections. Winners are announced the following spring during the Annual Conference.

While all KWWOA members were eligible, it would seem that the Central Chapter received more than their fair share of awards in 2014. The Central Chapter recipients received the State award for Water Treatment Plant of the Year, Water Operator of the Year, Wastewater Treatment Plant of the Year, and Wastewater Operator of the Year. The Western Chapter had a recipient for the Eugene Nicholas Award (see pictures on page 2).

Pirtle Spring Water Treatment Plant, operated by Hardin County Water District No. 1, won the Water Plant of the Year Award. Pirtle Spring WTP is a groundwater under the influence of surface water treatment facility, that was renovated and completely reconstructed in 2009. The WTP capacity is rated at 3.1 mgd, but much of the groundwater has been laid for a future plant expansion to 4.5 mgd. In recent years, Pirtle has been recognized for meeting and exceeding AWOP goals for turbidity and DBPs and received the KY/TN AWWA Award of Excellence.

Tim Osborne, Hardin County Water District No. 1's Distribution Supervisor, received the **"Earl T. Mitchell Award"** for the Water Operator of the Year. Tim has been in the

business for 27 years and holds a Class IV Distribution and a Class IIIB Water Treatment license. In his two years of service to the District, he has tackled projects above and beyond the normal dealings of a distribution crew and is known by management as someone who is willing to take on any job and follow it through to completion. Tim practices and preaches professionalism and a courteous approach when dealing with customers. He and his staff have been recognized numerous times when customers call to express their appreciation of a job well done. **Tim's cooperative approach has advanced teamwork within the District as well as with neighboring utilities.**

Radcliff Wastewater Treatment Plant, owned by Hardin County Water District No. 1 and operated by Veolia North America, collected the award for Wastewater Treatment Plant of the Year. This facility which treats primarily residential waste has a capacity of 4 mgd. and serves approximately 9,000 customers in the Radcliff area. Radcliff WWTP's facility includes 3 equalization basins for high flow rain events. Radcliff WWTP has achieved compliance with regulatory standards for a number of years.

**Bradley Johnston, Veolia North America's Operations Manager for Radcliff WWTP, earned the "J.C. Chambers Award" for Wastewater Treatment Operator of the Year.** Bradley is a Class IV WWTP Operator with 35 plus years of experience and a 15 plus years as a KWWOA member. He has dedicated his career to improving wastewater treatment in the Central Kentucky area and has become an industry recognized expert in this field. He is described by Brad Walker, Veolia Water, **as someone who "lives and breathes this business and it is not just a job to him, but it is his life and it shows in the plant operations and the respect he is shown by his fellow co-workers."** Kentucky needs more people like Bradley!

Jimmy Grimm, a 27 year employee of Paducah Water Works, was awarded the  
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2014 KWWOA Conference Award Winners

Outstanding Water Treatment Plant  
Hardin County No. 1 – Pirtle Spring Plant



Award presented by Shaun Youravich and accepted by Phil Clark and Brett Pyles

Outstanding Wastewater Treatment Plant  
Radcliff Wastewater Treatment Plant



Award presented by Shaun Youravich and accepted by Brad Walker and Bradley Johnston

Earl T. Mitchell Award  
Tim Osborne  
Hardin County Water District No. 1



Award presented by Shaun Youravich

J. C. Chambers Award  
Bradley Johnston  
Radcliff Wastewater Treatment Plant



Award presented by Shaun Youravich

Eugene Nicholas Award  
Jimmy Grimm  
Retired from Paducah Water Works

Award Presented by  
Shaun Youravich



Article Continued from Page 1

Eugene Nicholas Award. This award is presented to an operator with ten years or more of professional involvement in the water industry, who has demonstrated a commitment to the improvement of the management and technical progression of operations, maintenance and/or water quality, with emphasis/ involvement being on the advancement of water and/or wastewater operator education. Jimmy has demonstrated a commitment to operators across the state through his involvement in KWWOA for 25 years, much of this time serving in various leadership positions at the Chapter and State levels. He routinely identified training topics, secured speakers, as well and made presentations for KWWOA Chapter and State training events. Jimmy is a true Champion, demonstrating repeatedly his commitment to KWWOA and the operator community as a whole.

If you are aware of an operator who is deserving of recognition by his/her peers, please complete the appropriate KWWOA website form, as we are currently soliciting nominees for 2015!

## 57th Annual Conference Wrap-up

KWWOA's 57th Annual Conference received many accolades from attendees and exhibitors as well. While pleased with the new venue, many people asked why we moved from downtown Louisville. While we always want our attendees to have a good time at the Conference, there are many factors to be considered when selecting a venue for this event. First and foremost our goal for this Conference, as well as any training we provide, is to ensure that the program offered is relevant to the drinking water and wastewater operator community and of good quality. To support this type of program, the facility must have the sufficient, quality space to accommodate the many activities that we offer. This means multiple, large training rooms, as well as space for meetings, exhibits, demonstrations, social activities and meal functions. The facility must also have sufficient sleeping rooms to accommodate the many attendees, speakers, exhibitors and workers that are necessary to successfully implement an event of this size.

Given that our members are primarily municipal and/or small business owners, price is always a major factor as well. We not only look to save KWWOA money, but for a facility that provides our attendees with the best value when it comes to the cost of sleeping rooms, parking, internet services, location and meal prices (either on property or near by). Price is also a consideration for those that drive in everyday as well. We want a facility that is easy to access, with low/no cost parking and internet service in the public spaces, given that we all seem to have Smart Phones and work 24/7!

Another way Conference prices and registration fees are kept down is by offering exhibit space and sponsorships. While we have one of the lowest exhibit fees in Kentucky for an environmental conference, our vendors must still believe that it is worth their time and effort to attend as well. They want to be able to spend time with their clients and/or meet new ones. To do that, they must have access to the attendees and this is why we have training and social events in the Exhibit Hall, product demonstrations and social events at night. Their fees and sponsorships help to provide you and/or your employer with one of the lowest registration fees around for the benefits offered.

KWWOA is very lucky to have many loyal exhibitors and sponsors that share the same goals as KWWOA when it comes to training. We appreciate all of our exhibitors, but would like to recognize our major sponsors for their contributions to this event, as well as the operator community as a whole:

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While it may seem like a lot of effort to walk through 88 exhibits between class, look at it as an opportunity to see most of your suppliers in one place and/or discuss new technology with vendors from all over the country, many of whom rep for multiple manufacturers. While we all rely on the internet more and more these days to purchase items, **it isn't the same as doing business face-to-face**. In fact, when you have an emergency, it is much easier to talk with a company rep than it is to glean all the nuances of a product from the internet and do so quickly. The relationships that you establish at KWWOA events may prove to be the most beneficial when you need them the most!

**To go along with our theme for this year's Conference, "Champions: Past, Present & Future", we wanted to step back in time on a variety of fronts.** We wanted a venue with lower prices than what we had in the recent past, yet with increased quality; we wanted an opportunity to interact with each other without the distractions of what downtown Louisville has to offer, and the ease of having everything related to the Conference within close proximity. We felt that the Crowne Plaza offered that benefit to KWWOA, our exhibitors and most importantly our attendees and the evaluations reflected that! We hope that if you were not able to join us this year, that you will check out the 58th Annual KWWOA Conference and the Crowne Plaza Louisville Airport, April 12–16, 2015!



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# Annual Conference Happenings



KWVOA welcomes Kentucky Engineering as a Sponsor. Pictured from left to right, is Bryan Lovan, Lisa Detherage, KWVOA, Riley Sumner and Robert Taylor.



Opening Session Speaker Greg Heitzman, P.E., Executive Director, Louisville-Jefferson County Metropolitan Sewer District.



KWVOA welcomed Bale Equipment as an Exhibitor during Wednesday's demonstration day.



Troy Fraebel, Sherwin Williams, speaks on above ground coatings for new construction and maintenance.



Adam Baker, R S Technical Services, speaking on Closed Circuit Video Pipeline Inspection during Wednesday's Demonstration Day.



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## Volunteers Needed

The KWWOA needs the assistance of its members to fill two very important positions. Ed Fortner is the current Vice Chairman and he is slated to step into the Chairman's position at the KWWOA Annual Conference in April 2015. The KWWOA By-laws specify that the KWWOA State Vice Chairman must be elected from and by the membership for a two year term. The individual then advances to the position of Chairman for a two year period. The Vice Chairman position is primarily a supportive role, but is charged with presiding over the meetings of the State Board of Directors in the absence of the Chairperson and serving as Chair of the Awards Committee. As a result, KWWOA is currently soliciting the names of current members who would like to be considered for the Vice Chairman position and ultimately that of KWWOA Chairman. The intent is to solicit a sufficient number of nominees such that the voting ballots may be distributed in January 2015.

KWWOA is also soliciting candidates for the position of KWWOA State Treasurer. The State Treasurer position is elected by the State Board of Directors for a two year term and is responsible for the flow of moneys to and from the Association. The Bylaws require that on or about March 1 (normally in conjunction with the Annual Conference Membership Meeting), a financial statement of the previous fiscal year shall be submitted to the Board of Directors. Treasurer reports are also filed at all the KWWOA State Board Meetings. The individual selected for this position must work closely with the Member Services Director and Chapter Treasurers and has set duties which must be performed monthly in a timely manner. A background in accounting or experience with accounts payable would be beneficial. The individual selected must be familiar with PayPal and Quicken and/or have the aptitude/interest to learn these programs quickly. The person selected must also have an aptitude for numbers, be detailed oriented, sensitive to deadlines and comfortable handling all checking accounts. Past experience has shown that most of the year these duties require approximately 5 to 10 hours per month, but this increases to 10-20 hours per month between January and the Conference, due to the processing of membership and conference fees.

If you are interested in being considered for either of these position and/or have question regarding the duties assigned, please contact Lisa Detherage at 502-352-0510 or via email at [kwwoa@fewpb.net](mailto:kwwoa@fewpb.net).



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## Associate Spotlight

### American Development Corporation “more than a chemical company”

American Development Corporation (ADC) is a full line supplier of water & wastewater chemicals and feed equipment including tanks, pumps and related equipment. ADC is unique in that they also install chemical feed systems and provide technical service to their customers. ADC's focus is on quality products and services with 99 percent of their customers being water & wastewater treatment facilities.

ADC is the exclusive Kentucky distributor of the Aqua Mag family of Corrosion inhibitors and, as of May 2014 is also the distributor for Pristine/Stiles-kem's line of phosphates. ADC has been servicing Kentucky water systems for 17 years and has become an expert in other areas of treatment, such as pre-treatment oxidation, pH adjustment, chlorination and fluoridation.

ADC's slogan is “more than a chemical company” as they provide intensive service to utilities throughout Kentucky. They deliver chemicals, set up feed systems and provide technical service in order to optimize plant chemical feed applications. ADC provides the treatment plant operator with a much safer chemical feed system that reduces the hazards to the surrounding community.

ADC offers a wide variety of NSF certified chemicals for all applications in water & wastewater treatment including:

- Coagulation & Flocculation – Liquid Alum, ACH, PAC
- Corrosion & Scale Control – Aqua Mag, K-5
- Dechlorination – BSP Captor
- Disinfection & Oxidation – Liquid Bleach, Liquid Permanganate
- Fluoridation – Hydrofluosilicic Acid
- Ozone Quenching – BSP Captor
- pH Adjustment – Caustic Soda (50%, 40%, 25%)

ADC can design a custom mini-bulk system to meet any size water or wastewater facility's needs. They offer complete installation of tanks, piping and pumps. System maintenance is also provided.

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- There is no heel loss,
- Drum deposits are eliminated, and
- Reduction of accidental chemical contact.

ADC offers 24/7 service and support, including emergency delivery of chemicals and parts. Parts ordered under normal circumstances are shipped on the same day via UPS with overnight delivery available. Additionally, raw and finished water analysis, jar testing and in-plant testing of chemicals are offered to systems.

#### CONTACT INFORMATION:

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Email: mikew@adc-chem.com

Jason McGee  
931-993-0881  
jason@adc-chem.com

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**Laurie Berry Receives Steve Crossman Award**



Laurie Berry, a retired wastewater operator at the Glasgow Water Company and former KWWOA State Board Treasurer, has been honored with the second annual Steve Crossman Award for Outstanding Environmental Professionalism.

The Kentucky Division of Compliance Assistance (DCA), located within the Department for Environmental Protection, presents this annual award in memory of Steve Crosman, a trainer with the Certification and Licensing Branch of DCA and former KWWOA member, who passed away in December of 2011. Steve devoted himself to ensuring safe water for Kentucky by making sure he did his best to assist and train operators. The purpose of the award is to recognize those individuals who value professionalism in their work and see the importance of providing quality service to the citizens of the Commonwealth.

During her 27-year career, Berry was dedicated to helping operators achieve their goals of certification and training. She served as both a board member to the Central Chapter of the Kentucky Water & Wastewater Operators Association and KWWOA State Board, as well as being an instructor on a voluntary basis.

While serving as a the pretreatment coordinator for the Glasgow Water Company, Berry, who holds a Class IV Wastewater license, was instrumental in increasing the number of permitted significant and insignificant industrial users from five to 14, which ensured protection of the waters in her community because of the municipalities' ability to treat this waste and ensure the quality of the effluent from the generator.

Not only did Berry implement the Fats, Oils and Grease program, but she helped to educate the public on the importance of this type of program in helping to maintain wastewater systems. Berry also implemented a waste hauler program for her municipality to be sure that waste was not dumped illegally and to provide an additional revenue stream for Water Company.

To learn more about the Steve Crossman Award, visit <http://dca.ky.gov/certification/Pages/Steve-Crosman-Award.aspx> or call the Division of Compliance Assistance toll-free at 800-926-8111.

**Wastewater Lab Certification Reminder**

The Kentucky wastewater laboratory certification regulation, 401 KAR 5:320, has a compliance date of January 1, 2015 for all general laboratories. A general laboratory is any facility that performs analysis required for a Kentucky Pollutant Discharge Elimination Systems (KPDES) permit other than field parameters.

In order to assure certification by the January 1, 2015 deadline, the Division of Water (DOW) must have received your completed application by October 1, 2014.

The compliance date for field only parameters is January 1, 2016. A field only laboratory is any facility that performs any or all analysis required for a KDPEs permit of only the following field parameters: pH, residual chlorine, dissolved oxygen, conductivity, turbidity, and temperature.

In order to assure certification by the January 1, 2016 deadline, DOW must have received your completed application by October 1, 2015.

The application and other useful tools for compliance with this regulation can be found at: <http://water.ky.gov/permitting/Pages/WasteWaterCertification.aspx>. If you have questions, please contact Frank Hall at (502) 564-3410, ext. 4959 or via email at [DOWLabCertification@ky.gov](mailto:DOWLabCertification@ky.gov).

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## Chapter Spotlight—Western Chapter

The Western Chapter is proud to say that this was a record attendance year for the 17th Annual Spring Training Event held at the Kentucky Dam State Park Convention Center on May 6th & 7th. This event which coincided with National Drinking Water Week, delivered 12 hours of continuing education training to approximately 176 attendees which included operations, collections, distribution, lab staff and engineers. The school kicked off with a vendor appreciation cookout on May 5th, which was followed by a one day exhibit show in which 19 vendors participated.

During the lunch on Tuesday, the Western Chapter was proud to present the Outstanding Plant Award for 2013 to the Hopkinsville Moss Water Treatment Plant. Keith Curneal, Western Chapter President presented the award to Derrick Watson, President/CEO and Plant Supervisor Leslie Rogers, Charles Lane and Terry Meacham. (see pictures to the right) The Moss Water Treatment Plant, which is supplied by Lake Barkley, is a 15 mgd. raw water and 13.5 mgd. finished water using conventional filters and upflow clarifiers. The plant's daily average is 7mgd. Congratulations to Hopkinsville on their dedicated staff and well operated plant!



As with anything these days it takes resources to fund such an event, so we would like to recognize the following companies that helped sponsor this event:

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## Winchester's Hybrid Approach to Meter Reading

With nearly 12,000 customers to serve in Clark County, Winchester Municipal Utilities (WMU) is always looking for ways to become more efficient in how they manage their system. Several years ago they began deploying radio equipped water meters from Neptune within areas of their system that were the most difficult, time consuming, and dangerous to read. They utilized handheld computers that had the ability to receive radio signal meter readings while also maintaining the ability to manually key in readings from meters that were not equipped with radio transmitters.

After realizing the gains in productivity and safety within these areas, WMU began to explore how they could further benefit from utilizing technology to streamline and improve their processes in the field. Working with their local Neptune supplier, Neptune Equipment Company, WMU upgraded to the wireless integrated E-Coder/R900i meter which added Leak Detection, Reverse Flow Monitoring, Non-Consumption, and **Data-Logging to their meter's data stream. They then** deployed several thousand new wireless radio meters in more locations across their service area.

Once the radio population reached a significant amount WMU began to explore the options available to them to retrieve the data from the meters. Because of the flexibility of their system and the software platform, WMU could add different reading techniques as their needs changed with the growth of technology. They first added a mobile laptop enabling them to load and read every radio meter in the system at once if they wanted, leaving only the remaining non-radio accounts that were left over to be loaded into the handheld computers.

This was followed closely by the installation of their first Gateway Fixed Network Data Collector (see picture to the right). WMU quickly saw the advantages of having meter data streaming directly to the office. General Manager Mike Flynn **stated that doing so** *"enabled WMU to further the goals of providing prompt, courteous, and accurate information to our customers at the stroke of a keyboard. Being able to have immediate response to customer concerns/questions as it relates to their water consumption has enabled WMU to gain the confidence of the consumer and resolve problems in an efficient manner. In the high speed, high tech world we live in every one wants an answer immediately. The Gateway equipment and other AMR appurtenances allow WMU to provide a quick reliable answer to almost any question. Not only can we provide an answer to the customer verbally, WMU is able to print the information/answer and hand it to the customer. This has proven to be invaluable!"* Mr. Flynn also likes the ability to be proactive due to data on hand in the office, stating that **"WMU can query water consumption of its customers and be alerted to potential problems before they become the proverbial disaster."**

WMU has many large high value meters in the system including some used to provide water to neighboring utilities. These meters are of particular importance because they are

read daily. WMU recognized the Gateway as an asset to read large areas of the system from the office while also covering these high value and most frequently read meters. They also recognized the overall value of having daily access to the meters responsible for the largest volumes of **water in the system. According to Mr. Flynn** *"with real-time data WMU can track meter performance and schedule replacement of larger meters based upon performance and previous history, not just manufacturer's recommendations. This allows WMU to prioritize meter replacement thus utilizing rate payer dollars in a very cost effective manner."*

Every account located under WMU's umbrella Gateway coverage is accessible at the office for both the customer service and meter reading departments. When it is time to read and bill, WMU simply extracts all of the Fixed Network readings from the Gateways leaving only those not covered to be loaded into handhelds or the mobile unit. WMU has truly developed a hybrid approach that best meets their needs and gets the most out of their metering system.



Gateway Data Collector mounted on Winchester's  
Lower Harrods Creek WWTP



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## KWWOA 2014 TRAINING & EVENT SCHEDULE

Chapter	Date	Training Cost	Location of Training	Type of Training	Hours*
Statewide	August 19-22	\$150—All attendees	Grayson County Water Dist. Leitchfield, KY	Aug. 19-21 - Review Session August 22—Exam	18
Eastern	August 21	Free-KWWOA Members \$50.00—Non-Members	Southern KY Chamber of Commerce Bldg., Corbin, KY	Trenching & Shoring	6
Central	Sept. 24-25	Free-KWWOA Members \$50.00—Non-Members	Barren River State Park Glasgow, KY	Fall Conference & Golf Scramble Water and Wastewater	12
Western	October	Free-KWWOA Members \$50.00—Non-Members	City of Hopkinsville	General Technical Sessions	6
Central	October 16	Free-KWWOA Members \$50.00—Non-Members	Bowling Green Mun. Utility	Confined Space	6
Eastern & North Central	October 20-22	\$30.-KWWOA Members \$75.00—Non-Members	Four Points Sheraton Lexington, KY	Fall Conference	18
Central	December 5	No Charge for Members	Location TBD	Holiday Dinner Meeting	N/A
Western	December 6	No Charge for Members	Kentucky Dam Resort Park Gilbertsville, KY	Holiday Dinner Meeting	N/A

\* It is the intent of the KWWOA to solicit approval from the Division of Compliance Assistance and the Kentucky Boards of Certification for approval of the hours referenced above prior to the class. Once the hours have received Board approval, a notice will be posted on the KWWOA website with information on the particular class. If you need these hours for license renewal purposes, you should inquire ahead of time as to whether this approval has been obtained.

### Is your KWWOA Website Account up-to-date?

Without accurate mailing and/or email addresses, KWWOA cannot ensure that you receive timely training or membership notices. Prior to October 31, 2014, please check your KWWOA account to ensure that all of your personal information is up-to-date. This will allow us to ensure that 2015 training and membership information will reach you in a timely manner. If you do not know your login information for your account, contact Lisa Detherage, Member Services Director at [kwwoa@fewpb.net](mailto:kwwoa@fewpb.net). To make changes, simply log into your account at [www.kwwoa.org](http://www.kwwoa.org) and select the "Edit" tab to update personal information.

Jim Taft, Executive Director, Association of State Drinking Water Administrators, recently shared the following information with the State Drinking Water Administrators and asked that they share it with their Utilities:

The movement toward the new 0.25% lead free requirements has created an unexpected challenge for water utilities trying to find acceptable materials that meet the new requirement but still provide the same reliability as the previous, more highly leaded materials. Some utilities are apparently finding that some of the new alloys used for *impellers* have a far shorter useful life in the drinking water treatment facility operating environment than originally expected. We understand that an upcoming AWWA Journal article may lay this situation out in more detail, along with information to help utility managers better select the most appropriate equipment for their applications. In the mean time, you may wish to alert them to this issue and the need for careful selection of materials.



*"Working Together to Preserve the Environment and Future of the Water and Wastewater Operator"*



### Membership Application/Renewal Form

**—Please check the appropriate boxes and print clearly—**

Refer to the list of counties on our website at [www.kwwoa.org](http://www.kwwoa.org) to determine which Chapter serves your area.

- Western
- Central
- North Central
- Eastern
- New Member
- Membership Renewal

Name: \_\_\_\_\_ AI or KWW No. \_\_\_\_\_

Home Address: \_\_\_\_\_ County: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Employed By: \_\_\_\_\_

Business Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Phone: (Home) (\_\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_ (Business) (\_\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_

Email: (Home or Business) \_\_\_\_\_

Where would you prefer to receive KWWOA information/training announcements ?  - Home  - Business

If a valid email is provided, it will be utilized to ensure that you receive KWWOA information more quickly

**NOTE: Associate Members should not use this form as a separate Associate Membership Application Form exists.**

Active Membership  - Postmarked March 1, 2014 **& after** .....**\$50.00**

Active membership is designed for those who actually hold a valid water or wastewater license and/or who are employed in a water or wastewater utility. This includes pretreatment and/or lab technicians as well.

**Honorary Membership**.....**Free**

Honorary membership is designed for those who are retired from the water or wastewater field and held an active membership in the KWWOA during the previous calendar year. There is no fee for Honorary membership.

**KLA Membership**.....**\$10.00**

TOTAL \_\_\_\_\_

Please forward this application and a check or money order, payable to **KWWOA**, to the address below. You may also elect to renew online, paying through PayPal at [www.kwwoa.org](http://www.kwwoa.org).

KWWOA  
P.O. Box 700  
Lawrenceburg, KY 40342

KWWOA STATE BOARD

KWWOA  
P. O. Box 700  
Lawrenceburg, KY 40342

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Ed Fortner, Vice-Chairman  
[efortner@bereaky.gov](mailto:efortner@bereaky.gov)

Lori Simpson, Secretary  
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For information, comments or questions regarding KWWOA or this newsletter, contact:

Member Services Director:  
Lisa B. Detherage

Mailing Address:

KWWOA  
P.O. Box 700  
Lawrenceburg, KY 40342

Phone Number: 502-352-0510

Email Address: [kwwoa@fewpb.net](mailto:kwwoa@fewpb.net)

Website: [www.kwwoa.org](http://www.kwwoa.org)

## ALL ENVIRONMENTAL CONSULTANTS, LLC

MUNICIPAL	INDUSTRIAL
<ul style="list-style-type: none"><li>• Pretreatment Program Administration</li><li>• Wastewater Ordinance Development</li><li>• KPDES Permitting</li><li>• Sampling &amp; Analysis</li><li>• Wastewater Operations Consulting</li><li>• DMR Reporting</li><li>• FOG Program Development &amp; Administration</li><li>• Local Industrial Limits Evaluation</li><li>• GIS Mapping of Sewer Systems</li><li>• Landfarm Permitting &amp; Reporting</li><li>• Regulatory Assistance</li><li>• Drinking Water Operations Consulting</li><li>• Consumer Confidence Reports</li></ul>	<ul style="list-style-type: none"><li>• Storm Water Permitting, BMPs, &amp; Monitoring</li><li>• Groundwater Protection Plans</li><li>• Groundwater Investigations &amp; Remediation Systems</li><li>• Groundwater Monitoring</li><li>• Pretreatment Sampling &amp; Analysis</li><li>• Industrial Pretreatment Compliance Consulting</li><li>• Wastewater Treatment System Consulting</li><li>• Hazardous Waste Management</li><li>• Toxic Release Inventory Reporting</li><li>• SPCC Development</li><li>• Flowmeter Installation, Monitoring, &amp; Calibration</li><li>• Environmental Studies</li><li>• Environmental Phase I &amp; II</li></ul>

PLEASE CONTACT RANDY SHELLEY OR  
CYNTHIA LEASOR FOR ASSISTANCE.

1376 DANVILLE ROAD + LOOP 1 + NICHOLASVILLE, KY 40356 + PH: (859) 885-3331 + FAX: (859) 885-4613 + EMAIL: [HALLENW@QX.NET](mailto:hallenw@qx.net)