

# H<sub>2</sub>O Outlook

Kentucky Water & Wastewater Operators' Association, Inc.

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**2019 Membership  
Renewals received  
Prior to February 28th**

**Individual Membership  
\$40.00**

**Associate Membership  
\$120.00**

**Check Inside  
For Details**

## Shifting Sands

We all like to feel as if the ground under our feet is firm and not shifting. I know last year with all the pension talk, it was hard to feel that way whether you are a retiree or someone who is still working within the covered retirement systems. Now with the SB 151, the “sewer bill”, struck down as unconstitutional for how it was enacted, a failed special session and the Legislature back in session in January, the focus will once again be on pension reform. Let's hope that this time, they follow procedure and work across the aisle to fix what needs to be fixed and leave the rest alone.

Added to this uncertainty is the fact that the Department of Environmental Protection (DEP) is contemplating changes to the operator certification regulations as well. KWWOA has been monitoring the potential for changes over the past year and a half, given the Division of Water's inclusion of this topic on their Drinking Water and Wastewater Advisory Board agendas, as well as the outcry by large public water systems over their inability to advertise and hire certified operators as baby boomers age out and retire. KWWOA found this approach a bit unusual given that the Kentucky Boards of Certification, as established by KRS 223.170 and 224.73-110, have traditionally served as the primary advisors to DEP on operator certification and system staffing. The only assumption which could be garnered was that some systems and industry related groups were waving this flag of concern with DOW in hopes that it would gain greater momentum than if concerns were brought to the attention of the Kentucky Boards of Certification and the Division of Compliance Assistance.

The current operator qualifications and drinking water plant staffing requirements have essentially been in place since November of 1990 or almost 30 years. The questions are whether the operator qualifications and/or drinking water plant staffing requirements are overly stringent for the preservation of human health and the environment or is it that Systems are not properly planning for their staffing needs and/or not paying a comparable wage? If the requirements are too stringent, then they should be revised. If systems are not planning for their staffing needs and/or not offering a comparable wage, then changes to the regulations will more than likely be of no help. This is also true if retirement benefits are further reduced, as there will no incentive to work shift work, much of it outside, in a low paying, highly responsible job.

Every one knows that the greatest number of our workers fall within the “Baby Boom” generation which is defined as people born from 1945 to 1964. Given that this places those people between the ages of 54 to 73, it is obvious that these individuals are either thinking about retirement or are retired. To encourage proper planning, DCA has been making presentations over the past few years to reinforce this point and encourage systems to “grow” their own operators. And while some, have hired trainees, others have elected to wait till the situation is upon them and then advertise for a properly certified operator. While that might be a option for some systems, most will not secure an operator this way due to the salaries paid across the state, the benefits offered and the fact that shift work is a given. If

**Continued on page 2**

**62nd Annual KWWOA Conference  
April 14—18, 2019**

**Marvels of Water!**

**Check Inside For Registration Details**

## Shifting Sands Continued

### Continued from Front Cover

the System is close to the Kentucky border, they also have to compete with the surrounding states, as only one pays operators less than Kentucky.

In mid-December, KWWOA was provided with the draft changes being proposed to 401 KAR 8:050, 11:030, 11:040, 11:050 and 11:060 and asked to provide comments, along with multiple industry groups, engineering firms, and water and wastewater systems. Potential changes had been discussed with the Certification Boards, but they received the draft regs at the same time as the regulated community and new initiatives were included that had not been discussed. Comments were to be submitted by December 20th, as the intent is to file the regulatory changes with the Legislative Research Commission in January 2019. During a joint meeting of the KY Boards of Certification of Drinking Water Treatment and Distribution and Wastewater System Operators on December 18th, the changes were discussed in general and several issues of concern were brought to the attention of Peter Goodmann, Director of the Division of Water & Amanda LaFevere, Director of the Division of Compliance Assistance. We were told that no changes were being contemplated to 401 KAR 8:030 which contains the staffing requirements for drinking water systems. A commitment was made to meet with the Certification Boards in early January, as this was their first opportunity to see the regulatory language proposed and there were several fundamental concerns voiced by this group during this meeting.

Outlined below are some of the issues that KWWOA considers to be of greatest concern:

1. 401 KAR 11:030—Reduction of the experience requirements for a Class III and IV wastewater treatment operators. While KWWOA feels that the experience requirements for a Class IV may be considered for a slight reduction, the Class III should remain the same. No basis was given for the reductions by DCA nor DOW.
2. 401 KAR 11:040—New language that was added for clarification purposes, relative to drinking water plant coverage by classification, causing conflict with the 401 KAR 8:030 staffing requirements. This needs to be fixed to prevent confusion.
3. 401 KAR 11:030 and 040—Substitutions of education that could ultimately result in the experience requirements being reduced to six months for a Class IV license. KWWOA is against any substitution that reduces the requirements for a Class II–IV operator being less than one year.
4. The regulation at some point removed the requirement for “Limited Certificate” applicants to have a high school diploma or GED. KWWOA believes all operators should have a high school diploma or GED, especially those operating a school system drinking water plant.
5. The regulations currently provide for the issuance of “Operator in Training” (OIT) certificates. Language was added in an attempt to clarify this process, but it is still unclear. KWWOA also maintains that OITs are not fully certified as they have not met all the requirements for certification.

Potential benefits within these draft regulations include:

1. Expansion of the degrees allowable for consideration either as education or as a substitution and the addition of how these courses are to be counted when no degree is awarded.
2. Recognition and quantification of other types of experience, such as a lab experience.
3. No changes to the drinking water treatment plant staff requirements were made within 401 KAR 8:030.

Peter Goodmann acknowledged during the meeting that facilities soliciting an Alternative Staffing Plan, should be requesting such due to unforeseen circumstances, such as an employee who is diagnosed with a debilitating disease. It is not to be routinely used, as a mechanism for meeting the staffing requirements. Approved Plans will be incorporated into an agreed order with stipulated penalties.

A joint meeting is to be scheduled to do a line-by-line regulation review with the Certification Boards in early January. How this review will ultimately impact the draft language and/or DEP's submittal of the regulations to LRC in January, is yet to be seen. Until then, we will remain vigilant in our reviews and submit comments where possible. We have posted the draft regulations on the “Resources” tab of our website ([www.kwwoa.org](http://www.kwwoa.org)) for your review. Any comments you have can be added to the regulations in another color than black and forwarded to KWWOA at [info@kwwoa.org](mailto:info@kwwoa.org). Given the timeline originally quoted, this needs to be done quickly. Any additional reg changes will be posted on the website & KWWOA members notified.

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## Central KWWOA—Closes out the Year with Fun & Cheer!

By Jacob Billingsley

The Central Chapter held its annual Christmas dinner on December 6th at Mammoth Cave National Park Lodge. The Chapter had around 50 members and guest in attendance that enjoyed a meet and greet, followed by an amazing meal prepared by the Mammoth Cave restaurant. The event was relaxing and a nice way to close out an otherwise hectic year. After a fabulous meal, the Central Chapter held it's annual membership meeting, awards ceremony, officer nominations and ended the night with a raffle drawing for door prizes. During the meeting, training plans for 2019 were discussed with the decision to add a class to the Somerset to support the members in that area. Officer nominations were also solicited and voted upon which resulted in a couple of new faces being added to the Central Chapter officer roster.



Central KWWOA's Christmas Party

We think Jacob was leading the crowd in another round of "Grandmaw Got Run Over by a Reindeer", one of his favorite Christmas carols!



The new Central officers elected include David Poole from Grayson County Water, as our new State Water Representative (pictured to the left). David Poole lives in Hardinsburg. He has been with the Grayson County Water District for 10 years, as a water plant operator. He has been in the water and wastewater business for 24 years. David is married and has two children. David holds multiple certifications including a Class IVA Water Treatment, Class III Distribution, Class III Wastewater Treatment and a Class II Collection licenses. As the State Water Representative he will serve as a conduit of ideas and information between the Chapter and the KWWOA State Board.

Also elected was Christopher Gohman (see picture below), Hardin County District No.1, as our Water Director officer for the CKWWOA. Chris was born and raised in Elizabethtown. He played football at Georgetown College and earned a Bachelor's of Science in Chemistry. He holds a Class IVA Water Treatment and Class IV Distribution licenses and serves as Hardin County Water District No.1's Pirtle Spring Water Treatment Plant Supervisor.



David Poole, elected as the Central Chapter's Water Representative



Chris Gohman, elected as the Central Chapter's Water Director

In addition, Justin Spears was elected as the Vice-President of the Central Chapter where he will support the President and also be in charge of Chapter Awards. Justin replaces David Huffman, who has served as a Chapter officer for many years, serving in multiple positions. We wish to thank David for his service and remind him that once a KWWOA officer, always a KWWOA officer! The work never ends!

Jeremy Woosley, is the outgoing State Water Representative, from the Grayson County Water District. Jeremy has elected to run for State Vice-Chairman and as a result, will be stepping down from his Chapter duties. The Central Chapter appreciates his service and wishes him well in the upcoming KWWOA elections. We support him in this effort and know he will do as good a job there, as he has done for the Chapter.

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## Thanks 2018 KWWOA Associate Members!!!

502 Equipment	I.T.M. Inc. - Inspection, Testing & Maint., Inc.
A J Enterprises	Instrument & Chemical Services, Inc.
Advanced Sealing Technology	J R HOE
American Development Corporation	Kentucky Engineering Group, LLC
Appalachian States Analytical, LLC	Kentucky Public Service Commission
Aulick Chemical Company	Kentucky Area Development Districts
Beckmar Environmental Laboratories, Inc.	Kenvirons, Inc.
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Best Equipment Company	Layne Company
Blue Tank and Pump Rental	Lewis Municipal Sales
Brandstetter Carroll, Inc.	Maryland Biochemical Co., Inc.
Buchanan Pump Service	Master Meter, Inc.
Cann-Tech, LLC.	McCoy & McCoy Laboratories, Inc.
CDP Engineers, Inc.	Microbac Laboratories, Inc.
Chaltron Systems Inc.	Mineral Labs, Inc.
Charles R. Day	Mueller Company
Clearwater Environmental Services	NECO Water
Culy Contracting	Nesbitt Engineering, Inc.
Delaney & Associates, Inc.	Ressler & Associates
EarthTec	Rural Community Assistance Partnership
Eco-Tech, Inc	S4 Water Sales and Service, LLC
EJ USA, Inc.	Schaeffer Manufacturing Company
Engineered Design Solutions, Inc.	Service Specialties, LLC
Enviro-Tec Services	SGS North America, Inc.
Fortiline	Sidener Environmental Services, Inc.
Fouser Environmental Services	Source Technologies, LLC
G & C Supply Company, Inc.	Southern Corrosion, Inc.
Georg Fischer Piping Systems	Spectra Tech, LLC
Gilson Engineering	Strand & Associates, Inc.
Hall Environmental Consultants, LLC	SUEZ Advanced Solutions
Hawkins, Inc.	The Henry P Thompson Company
Hazen and Sawyer	timothyrrickettstraining.com
Heritage Environmental Services	USALCO, LLC
HPP Industrial Sales	WASCON, Inc.

## Central KWWOA Continued

### Article Continued from Page 3

Outlined below are pictures the 2017-18 officers and the those elected for 2019-20. As noted earlier, we so appreciate David Huffman and Jeremy Woosley's service and appreciate the new officer's stepping up to help the Chapter and Association! If you see these individuals out, please thank them for their service.



**2017-18 Officers**—Left to Right—Mandy Spalding, David Huffman, Jacob Billingsley, Justin Spears, Jeremy Woosley, Corey Bond & Bradley Johnston



**2019-20 Officers**—Left to Right—Chris Gohman, Mandy Spalding, Corey Bond, Jacob Billingsley, Justin Spears, David Poole & Bradley Johnston

As referenced, the Central Chapter also handed out plant and operator awards during this event. Outlined below are the winners within each category which will now be considered for a state wide award.

The Wastewater Operator award was presented to Kenneth Horn, Ft Knox Wastewater System Supervisor and Class IV Wastewater Treatment and a Class IV Collections Operator. He oversees the 24-hour/day operation of the Ft Knox WWTP, is heavily involved in collection system activities, as well as the Safety Committee. He and his staff have led Confined Space Training and he has been integral in putting together monthly safety training for all the District's facilities. He has trained several of the operators at the Ft Knox and Radcliff WWTPs. He is very mechanically inclined and has been involved with rehabbing lift stations in the Ft Knox and Radcliff collection systems and has led the rebuilding of clarifier gear boxes at Radcliff WWTP and the Pirtle Spring WTP. He is a team player and is always willing to help with any task.



**Wastewater Operator Award Winner—  
Kenneth Horn**

Kenneth also accepted the award for Outstanding Wastewater Treatment Plant of the Year which went to Fort Knox Wastewater Treatment Plant. The Fort Knox Plant was built in 1995 and treats all municipal waste (including all latrine and grey water waste) from the not only the Army Base but the City of Muldraugh.

This facility has been owned by the Hardin County Water District No. 1 since 2005 and consists of a 6 mgd extended aeration plant, with four Secondary Clarifiers, UV Disinfection, Aerobic Digestion, and two 2 cubic meter belt presses. The average daily flow is 1.7 mgd. and they have processed 933 tons of bio-solids (YTD). Their Collection System consists of 38 Lift Stations. The system is staffed 24/7 by six operators.

The Drinking Water Operator Award was presented to Christopher Gohman who holds Class IV Water Treatment and Distribution Certifications. Chris has a B.S. in Chemistry from Georgetown and is the Supervisor at the Pirtle Spring WTP, which is a 3.1 MGD facility that operates 24 hours/day.



**Drinking Water Operator Award Winner—  
Christopher Gohman**

He is an exceptional young man, not only in his education and athletic background, but also in his humble yet can-do attitude. He has been with the District for a relatively short time, but has quickly climbed the ranks from Operator-Trainee, to Water Quality/Measurement Specialist, to WTP Supervisor. He has earned the trust of administration, the WTP staff, the staff of the other District utilities, and outside utilities. He is a team player and is willing to help out in any way that he or his staff is able.

He has worked diligently to prepare himself and the staff for the District conversion to chloramines and because of this, the transition was a smooth one. He is responsible for changing the ammonia gas feed to LAS, a much safer chemical for his operators. Christopher can be commended for always looking for better ways to do things! Through networking with other utilities, he has also begun to research the chlorine feed system and will possibly change to a safer chemical and eliminate another.

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## Central KWWOA Continued

Continued from Page 5

The Educational Award is given to members who have demonstrated a commitment to the improvement of the management and technical progression of operations, maintenance and/or water quality, with the emphasis/involvement being on the advancement of water and/or wastewater operator education. The Central Chapter awarded this to Dan Miklos, Senior Associate, Hazen and Sawyer. Dan owned his own firm where he was responsible for the management and operation of small to large utilities. In his current position, he routinely provides engineering assistance, management and technical expertise for in-plant troubleshooting, start-up of new facilities, operator training, value engineering, operability reviews, bioassay and treatability studies, distributed control system design, and technical supervision/contract operations of water and wastewater facilities.

Dan's academic credentials include a MA Environmental Systems, University of Waterloo 1977 and a BS Kent State University 1974. He is a Registered Sanitarian and Class III Water and WWTP Operator in Ohio, Class IV wastewater treatment operator in Kentucky and Indiana, and an S-1 WWTP Operator, New Jersey. He has been employed by Hazen and Sawyer, P.C. since 2010. Previously, he ran his own consulting firm, Advanced Treatment Sciences from 1987 to 2010. In addition to several consulting firms, he has also worked for the City of Fairfield and the Ohio Department of Health and the Ohio Department of Natural Resources. Dan is being recognized for the valuable training he has provided to CKWWOA operators in wastewater process control for the past several years during our fall school,

On behalf of the CKWWOA, Jacob Billingsley and all the Chapter Officers would like to wish everyone a Happy and Safe New Year. Here are some more pictures from our Christmas Dinner, taken by Kenneth Horn (Thanks Kenneth for your help!). If you weren't able to attend this year's Christmas event, put December 5th on your calendar so you don't miss out!



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## KWWOA Vice-Chairman Wanted!

KWWOA's bylaws call for its membership to elect a Vice-Chairman for the State Board who will serve for two years and then transition into the position of Chairman. Robin Strader's term will come to a close during the 62nd Annual KWWOA Conference in April and Donald Comp-ton will begin his two-year term as Chairman. As a result, we need to back fill the Vice-Chairman's position.

KWWOA is currently soliciting nominees to run for the position of Vice-Chairman in an election that will be held just prior to the Conference (Ballots should be received in early March). At the present, we have one candidate, Jeremy Woosley, Grayson County Water District, who has declared his intent to run for this position. The duties of the Vice-Chairman include:

- It is the responsibility of the State Vice-Chairman to help guide the Association based on its Mission Statement and Objectives set out in the Bylaws and any other strategic plans developed by the State Board.
- Conduct, in the absence of the Chairman, a minimum of one business meeting per year of all the members of the Association at a time and place selected by the Board of Directors. Conduct, in the absence of the Chairman, a minimum of four meetings per year of the State Board of Directors. As a proxy, the Vice Chairman will only vote on KWWOA State Board affairs in the event of a tie.
- Assist in promoting KWWOA's standard operating procedures among the State and Chapter Officers to ensure that all are actively/properly performing their duties.
- Work to ensure that all KWWOA training programs are approved by the KY Boards of Certification and records are maintained for such in the proper manner.
- Work with the State Board and Chapter Officers to promote KWWOA Membership, training and events to all certified operators, drinking water and wastewater systems, sub-organizations, and associates involved in the business.
- Work to ensure that Association funds are properly safeguarded and documented and that expenses are paid within 30 days. Ensure that financial reports are submitted to all the proper authorities (State Board, KY Secretary of State, IRS) in a timely manner.
- Assist with locating advertisers for the KWWOA newsletter, web page, events and Annual Conference.
- In the long-term absence of the Chairman, serve as the primary supervisor to the Member Services Director, contract State Treasurer and other employees and Sub Organizations, who may be hired, performing all necessary duties to ensure the success of these employees. The Vice-Chairman shall serve as Chair of the Awards Committee and ensure that the Awards SOP is followed in the awarding all State Level Awards.

If you are interested in running for the Vice-Chairman's position, provide a bio to Roy Gray, Chairman of the Nominating Committee at manchesterwtp@yahoo.com by February 15, 2019. You may also contact him at 606-596-0896 to discuss the duties and commitment associated with both the Vice-Chairman and Chairman's positions.

Jeremy's bio, is provided below to give you some insight as to his experience within the industry, his qualifications for this position and his interests.

**Jeremy Woosley**....I began my career in the utility industry in 1996 as an operator for the City of Caneyville Utilities. I earned my Class II Drinking Water Treatment, Class II Drinking Water Distribution, and Class II Waste Water Treatment Licenses while employed for them. As many small town utility operators do, I had to wear many hats. I was also a certified fireman during my time at Caneyville Utilities. In the spring of 2002, I decided to expand on my career in utilities and accepted a position with Grayson County Water District as a Water Treatment Plant Operator, at their brand new water treatment plant. This is also when I became an active member with the KWWOA, where I am currently the Water Rep for the Central Chapter. I have been active in the Central Chapter by assisting my boss, Kevin Shaw while he was a chapter and state officer. I've assisted in preparing for and carrying out the central chapters fall conference and golf scramble for many years. I have also assisted at the KWWOA annual conference as needed for many years. I greatly enjoy spending time with my KWWOA family. After growing as an Operator with Grayson County Water District, I have been able to obtain my Class IV Drinking Water Treatment and Distribution Licenses. I have taken on many responsibilities with Grayson County Water District to include helping build and continue to manage a GPS/GIS system, and also a GPS integrated hydraulic model, and helping to manage the company website. In 2017, I accepted a supervisor position as the Water Quality and Metering Coordinator. This position requires me to continue with my previous responsibilities and also adds the management of two employees and manage two separate departments, where I overlook the reading of meters, distribution sampling, and the flushing program. I am also a successful small business owner. For fun, I enjoy playing and coaching softball. I am currently the Leitchfield Girls Softball Commission Chairman. I also volunteer at the Leitchfield Girls Softball Park and am a USSSA/ASA/Babe Ruth certified umpire. I am also the treasurer and a coach for Twin Lakes Softball Association, which is a travel girls softball group that currently manages 3 teams. In my very limited free time, I enjoy camping with my family. I greatly appreciate your consideration in electing me as your next KWWOA Vice Chairman. I look forward to meeting you and working with you in the future.



**Jeremy Woosley, Candidate for State Vice-Chairman**



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### Ensuring Access to Potable Water

Recently, the Herald Leader ran a three part series, entitled "Stirring the Waters" which talked about the challenges being encountered in Eastern Kentucky, with having access to clean, reliable and affordable drinking water. While the focus was on Eastern Kentucky, we are all facing a crisis in this country as it relates to aging infrastructure, both above and below ground. In part three of the series, Will Wright included a companion article that talked about five ideas that could make it easier to ensure reliable access to potable water. As drinking water operators, you are well aware of these ideas, but it reiterated for me the need to reinforce this message with our customers and community in general. Operators are somewhat like our water infrastructure, out of sight out of mind, but being a part of the group to shape and share this message helps all involved!

Within this article, Mr. Wright produced several ideas for making potable water more accessible. While some may appear obvious, they are worth talking about in every community. The first is the need for **more grants to fund service line repairs**. Grant money has been available in the past to build newer, bigger, better plants, but traditionally has not been there for service line repairs. Billions of dollars are sitting in federal Abandoned Mine Land funds and some have even been allocated for economic-development in the coal regions, but a decision has already been made that these funds cannot be used to replace nor repair service lines. While repairs may or may not lead to new economic development ventures, we could all argue that our existing businesses and industry need a reliable water source to maintain their services and without it, they will go elsewhere. Perhaps we need to contact our U.S. Senators and Representatives and float this idea, given the current focus at the national level on infrastructure needs.

We also have an obligation as utilities to make sure that our rates are reflective of the true cost to produce and distribute water. If not, we need to educate our governing boards and the public on the need to **raise rates** or risk falling behind in the services we provide. That responsibility falls on the backs of operators and managers within the Utility. Without an effort to communicate and educate the community, how can you expect them to fully support system improvements. If we cannot justify the need, who can? Also, as stewards of the community, we also have an obligation to look to the future and help our communities put in place a plan to address their infrastructure needs. If we aren't paying the true price of the water today, how is that going to help them in the future.

All utilities should have to develop a **multi-year plan that examines the needs of the district and sets out how they are going to fund and implement those needs**. It all goes back to the need to educate the public during plan development to garner support and then constant reporting on plan implementation. Also, when someone wants you to deviate and/or use valuable resources in another manner, you have a guide to use as justification. As they say, how do you eat an elephant? One bite at a time. While the work may seem insurmountable, you have to stick with the plan each day and simply take one bite of it at a time.

Continued on page 19

## DCA's New Staff Are Ready to Help with Certification Needs!

Amanda LaFevre

During 2018, the Division of Compliance Assistance added new faces to their Operator Certification Program staff. In both training and program support, these staff are here to assist operators with questions regarding certification, licensing and division based training.

Eric Eisiminger joined the Division as an operator certification trainer. A native Kentuckian, he attended Carson Newman University in Jefferson City, TN. He spent twelve years as an Environmental Biologist in the Division of Water before spending nine years with the Division of Air Quality serving as the Asbestos Program Coordinator and later as an Inspector. Eric brings with him a background in training as he teaches CPR, First Aid and Rappelling. He has also coached and trained several teams for long distance endurance cycling.



From left to right: Chelsey Jenkin, Eric Eisiminger and John Walker.

Chelsey Jenkins provides support for the administrative wing of the Operator Certification program. She processes Wastewater applications and works with operators to get them scheduled for classes and exams. Before coming to DCA she was an administrative specialist in Agriculture where she issued permits to people bringing animals into the state and served as backup for the equine program. Chelsey was also an administrative assistant for child protective service. She has worked with the state of Kentucky since August 2015. Chelsey enjoys fishing and other outdoor activities. She also dabbles in photography.

John Walker grew up in the UK (United Kingdom) and moved to the United States in 1988. He met his wife in a big hole in the ground in Kentucky (Mammoth Cave), got on the wrong plane and ended up at UK (University of Kentucky) working on horse diseases, rather than back to the UK (United Kingdom, again). Since 1993 he taught lots of biology and researched axolotl regeneration. He is pleased to get back to teaching with DCA, especially the microbiology bits. In his copious amounts of free time he plays board games, keeps chickens, snakes, poison dart frogs and attempts to be a beekeeper. Be warned, never ask him for a book recommendation.

In addition to the new faces, Jessica Wilhoite (Branch Manager), Veronica Roland, Dennis Minch and Katie Mauer round out the Operator Certification team and are available to assist the operators of the Commonwealth with their training and certification needs. Contact us 502-782-6189 or [envhelp@ky.gov](mailto:envhelp@ky.gov).

### Want to be Famous?

Well maybe not famous, but at least "published"? If so, KWWOA is always looking for articles from our members for the *H2OOutlook* which is published bi-annually in January and July. We are constantly on the look out for articles of interest to our members, such as system or member features, proven water technology, regulatory issues, Chapter events, etc.

If you are interested in sharing your knowledge or insights with the group, contact Lisa Detherage, Member Services Director at 502-352-0510 or via email at [Lisa@kwwoa.org](mailto:Lisa@kwwoa.org). The content must be submitted in Microsoft Word format and we are open to articles of any size, depending upon content and space availability.

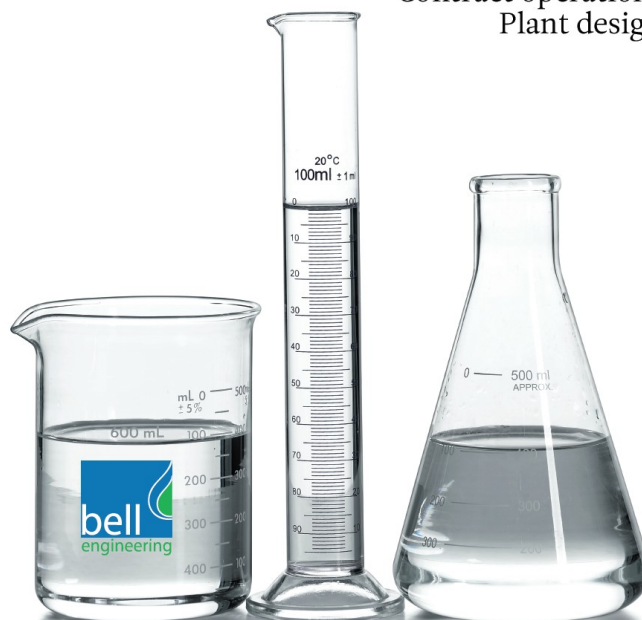
Pictures are welcome for all articles and should be submitted in a jpeg format with a caption explaining the content or the individuals depicted in the photo.

Content deadlines generally fall on December 15th and June 15th, but it is more important to notify us early of your desire to provide an article, so that the general content can be approved and space allocated.

While you might not obtain notoriety for your article, I guarantee it will be read by other operators/members and they will appreciate your efforts and information shared!!!

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## 62nd ANNUAL KWWOA CONFERENCE

### WHO SHOULD ATTEND?

- **Drinking Water and Wastewater (Municipal and Industrial) System Operators** requiring up-to-date information for system operations and/or continuing education training hours for license renewal. The Conference will offer a total of 18 hours of training for Kentucky, Ohio & Indiana operators which will explore innovative tools, successful operational techniques, regulatory updates and share emerging solutions for system operations.
- **Lab Analyst** who must secure training as a part of their lab certification. A six hour series will be provided specifically for lab analyst on Tuesday, April 16th.
- **Lab Analyst** who wish to take KWWOA's Lab Analyst training and certification exam.
- **Operators** who wish to test for certification with the KY Division of Compliance Assistance (DCA) as a Wastewater or Surface Water Treatment operator.

Continuing education attendees may earn up to **18 hours** by attending each six-hour day of classes. All technical presentations will be submitted for approval to the certifying authorities in Kentucky, Indiana and Ohio and the Division of Water's Lab Certification Program. Once approved by the certifying authorities, notice will be posted on the KWWOA website.

### HOW DO I REGISTER?

Attendees registering for continuing education credits may complete the registration form or apply online at [www.kwwoa.org](http://www.kwwoa.org). One check may be submitted for multiple registrations. If registering online, you have the option of paying by check, credit or debit card through PayPal for multiple registrants. You do not have to have a PayPal account to utilize this method of payment. If taking the KLA exam, you must submit your application via the KWWOA website by March 4, 2019. No refunds will be granted for registrations cancelled after March 14, 2019.

Operators who wish to attend the Wastewater or Surface Water Treatment certification review/testing sponsored by the Division of Compliance Assistance (DCA), must follow the registration procedures outlined on the Kentucky DCA website ([dca.ky.gov/certification](http://dca.ky.gov/certification)). Certification applications and registration forms are also available by contacting the Certification and Licensing Branch at (502) 564-0323. Applicants must apply and be approved in advance for testing and will be notified in writing by the Certification and Licensing Branch of their acceptance into the review/exam session.

Approved Certification Attendees are automatically registered for the Conference and granted a partial registration for Monday, April 15th, including access to the Exhibit Hall, ice cream and evening social events.

### WHAT IS INCLUDED IN THE REGISTRATION FEE?

- |   |  |
|---|--|
| • Six hours of approved training each day   | • 2 Meals (Monday breakfast & Tuesday lunch)   |
| • Access to 100+ vendors within the Exhibit Hall                                      | • Submittal of training hours earned to the appropriate regulatory authority.  |
| • Conference Social Events  | • If not a member, a 2019 KWWOA Membership, providing access to KWWOA training events throughout the year, most of which are free. |
| • Ability to network with speakers, exhibitors & peers                                |  |
| • Two-day Southbank Shuttle pass (set route through Covington, Newport & Cincinnati). |  |

### LODGING RESERVATIONS

The Conference is being held at the Northern Kentucky Convention Center, One West RiverCenter Blvd., Covington, Kentucky. The host hotels, Marriott RiverCenter and Embassy Suites RiverCenter are located across the street from the Convention Center and are providing a discounted room rate of \$139 plus tax, per night **through March 30, 2019**. The room rate includes self-parking, internet access and a check-in time of 4:00 p.m. An online room reservation's link, as well as other details, may be found on the KWWOA website, "State Conference" page. Reservations may also be made by calling 877-465-9282, Monday thru Friday, 9–4:00 p.m. EST (reference the KWWOA Conference).

Marriott RiverCenter  
10 West RiverCenter Blvd.  
Covington, Kentucky

Embassy Suites RiverCenter  
10 East RiverCenter Blvd.  
Covington, KY

## Tentative Conference Agenda

(Final Times May Vary Slightly)

### Sunday, April 14, 2019

<b>5:00 — 7:00 PM</b>	<b>Registration Open</b>
<b>5:00 — 7:00 PM</b>	<b>Opening Reception—Exhibit Hall</b>

### Monday, April 15, 2019

<b>6:30 AM — 5:45 PM</b>	<b>Registration Open</b>
<b>7:00 — 8:30 AM</b>	<b>Breakfast, Opening Session, KWWOA Meeting &amp; Awards Ceremony</b>
<b>8:30 — 9:30 AM</b>	<b>Keynote Address/Technical Session 1</b>
<b>9:30 AM — 5:45 PM</b>	<b>Exhibit Hall Open</b>
<b>9:45 AM — 11:50 PM</b>	<b>Technical Sessions 2 &amp; 3</b>
<b>11:50 — 1:15 PM</b>	<b>Lunch On Your Own</b>
<b>1:15 — 2:15 PM</b>	<b>Technical Session 4</b>
<b>2:15 — 3:15 PM</b>	<b>Ice Cream Social — Exhibit Hall</b>
<b>3:15 — 5:20 PM</b>	<b>Technical Sessions 5 &amp; 6</b>
<b>8:00—11:00 PM</b>	<b>Cornhole and Casino Night — Exhibit Hall</b>

### Tuesday, April 16, 2019

<b>7:00 AM — 4:30 PM</b>	<b>Registration Open</b>
<b>8:00 AM — 2:00 PM</b>	<b>Exhibit Hall Open</b>
<b>8:00 AM — 12:15 PM</b>	<b>Technical Sessions 1—4</b>
<b>12:15 — 2:00 PM</b>	<b>Lunch in the Exhibit Hall</b>
<b>2:00 — 4:05 PM</b>	<b>Technical Sessions 5 &amp; 6</b>

### Wednesday, April 17, 2019

<b>8:00 AM — 4:30 PM</b>	<b>Registration Open</b>
<b>8:00 — 9:00 AM</b>	<b>Coffee Available</b>
<b>8:30 — 11:40 AM</b>	<b>Technical Sessions 1—3</b>
<b>11:40 AM — 1:00 PM</b>	<b>Lunch on Your Own</b>
<b>1:00 — 4:10 PM</b>	<b>Technical Sessions 4—6</b>

### Thursday, April 18, 2019

<b>8:00 AM</b>	<b>Certification Testing— KWWOA Voluntary Lab Analyst, DCA Wastewater and Surface Water Treatment</b>
----------------	---

## 62nd ANNUAL KWWOA CONFERENCE

**CONTINUING EDUCATION REGISTRATION FORM**  
**Northern Kentucky Convention Center**  
**1 West RiverCenter Blvd.**  
**Covington, Kentucky**  
**April 14–17, 2019**  
*(Please Print Clearly)*

**Name:** \_\_\_\_\_ **AI No.:** \_\_\_\_\_

**Home Address/Street:** \_\_\_\_\_

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

**Employer:** \_\_\_\_\_

**Work Address/Street:** \_\_\_\_\_

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

**Home Phone:** \_\_\_\_\_ **Work Phone:** \_\_\_\_\_

**County:** \_\_\_\_\_ **Email Address (Home or Business):** \_\_\_\_\_

THIS FORM MUST BE COMPLETED IN ITS ENTIRETY

Registration includes: Technical Sessions, Exhibit Hall admittance, Monday breakfast, Tuesday Lunch, all Social Events and a 2-day Southbank Shuttle Pass.

**Pre-Registration**

(Postmarked by February 28, 2019)

- ☐ \$180—2019 Operator and/or KLA Member
- ☐ \$220—Non-Member Operator Registration
- ☐ \$300—Non-Member Associate Registration  
(Non-member registrations include a 2019 KWWOA Membership)
- ☐ \$10—KLA Membership Fee
- ☐ \$75—KLA Certification Training/Exam Fee\*

\*KLA applicants—submit the Certification Application found at [www.kwwoa.org](http://www.kwwoa.org) on the "KLA" tab by March 4, 2019.

**Registration**

(Postmarked March 1, 2019 or after)

- ☐ \$230—2019 Operator and/or KLA Member
- ☐ \$270—Non-Member Operator Registration
- ☐ \$350—Non-Member Associate Registration  
(Non-member registrations include a 2019 KWWOA Membership)
- ☐ \$10—KLA Membership Fee
- ☐ \$75—KLA Certification Training/Exam Fee\*

\*KLA applicants—submit the Certification Application found at [www.kwwoa.org](http://www.kwwoa.org) on the "KLA" tab by March 4, 2019.

Multiple registrations may be paid for with one check.  
 Submit the Registration Form(s) and the appropriate payment, made out to KWWOA, to the following address.

KWWOA  
 P. O. Box 700  
 Lawrenceburg, KY 40342

No refunds issued after March 14, 2019.

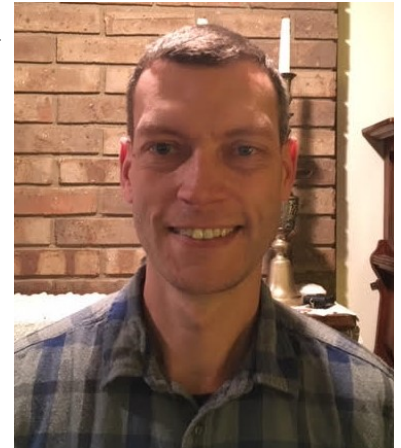
Questions may be directed to Lisa Detherage at (502) 352-0510 or via email to [Lisa@kwwoa.org](mailto:Lisa@kwwoa.org)

## Eastern Chapter – Election Update

During the Eastern/North Central Training in Lexington, Kentucky back in October, the Eastern Chapter conducted a membership meeting where they discussed training for 2019, potential regulatory changes to the operator certification regulations and had officer elections. The elections resulted in some new faces being added to the Eastern Board. Katie Avera stepped down as President and James Poindexter was elected to this position. Prior to taking this position, James was the Wastewater Representative to the KWWOA State Board. The new Vice-President is Phillip Adkins. Phil will not only support the President in his duties, but will also be responsible for Chapter awards. With the resignation of Joe Dunaway, who has recently taken on additional responsibilities at the City of Flemingsburg, Tim Goble will be serving as the Secretary/Treasurer of the Chapter. Roy Gray remains as the Drinking Water Representative to the KWWOA State Board and Chris Maloney, with the Mount Sterling Water & Sewer System, was elected as the Wastewater Representative. Roy and Chris will coordinate training provided by the Chapter and will also serve as the reps to the KWWOA State Board, to facilitate the flow of information to and from the Chapter. The Eastern Chapter would like to thank Katie Avera and Joe Dunaway for their service to the Chapter and welcome Phil and Chris as chapter officers.

Outlined below is information to assist you in getting to know Phillip and Chris. Their contact information has also been added to the KWWOA website should you need to reach out to them.

Phillip Adkins, picture to the right, has worked for Morehead Utility Board (MUPB) for over four years and has served as the Water Plant Superintendent for two and a half years. Prior to working at MUPB, Phillip worked as an operator at the Morehead State University's water treatment plant and as director of Camp Caleb, a non-demonational camp and retreat center, located in Flat Gap, Kentucky. Phillip also served as the camps water and wastewater operator. Phil holds a Class IVA surface water treatment certification, a Class II wastewater treatment certification and has a B.S. from Welch College, Gallatin, Tennessee. He and his wife Britney, have two sons, Aaron (10) and Dustin (8).



**Phillip Adkins—  
Eastern Chapter's Vice President**

Article Continued on Page 20

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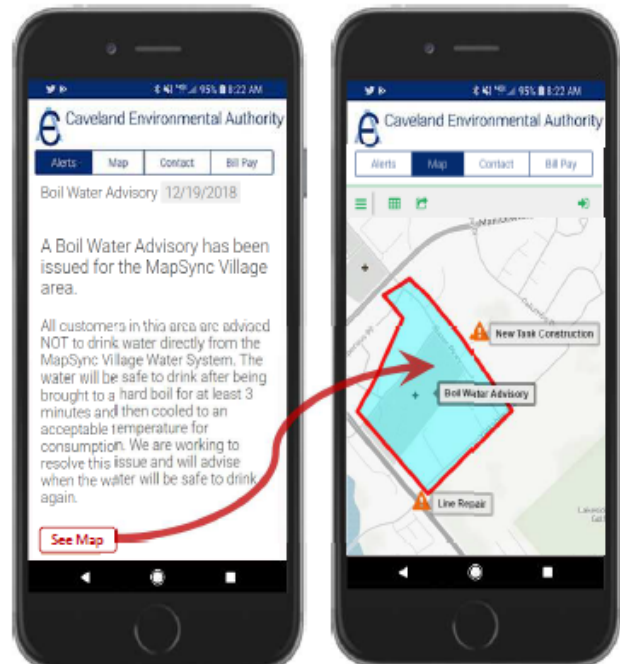
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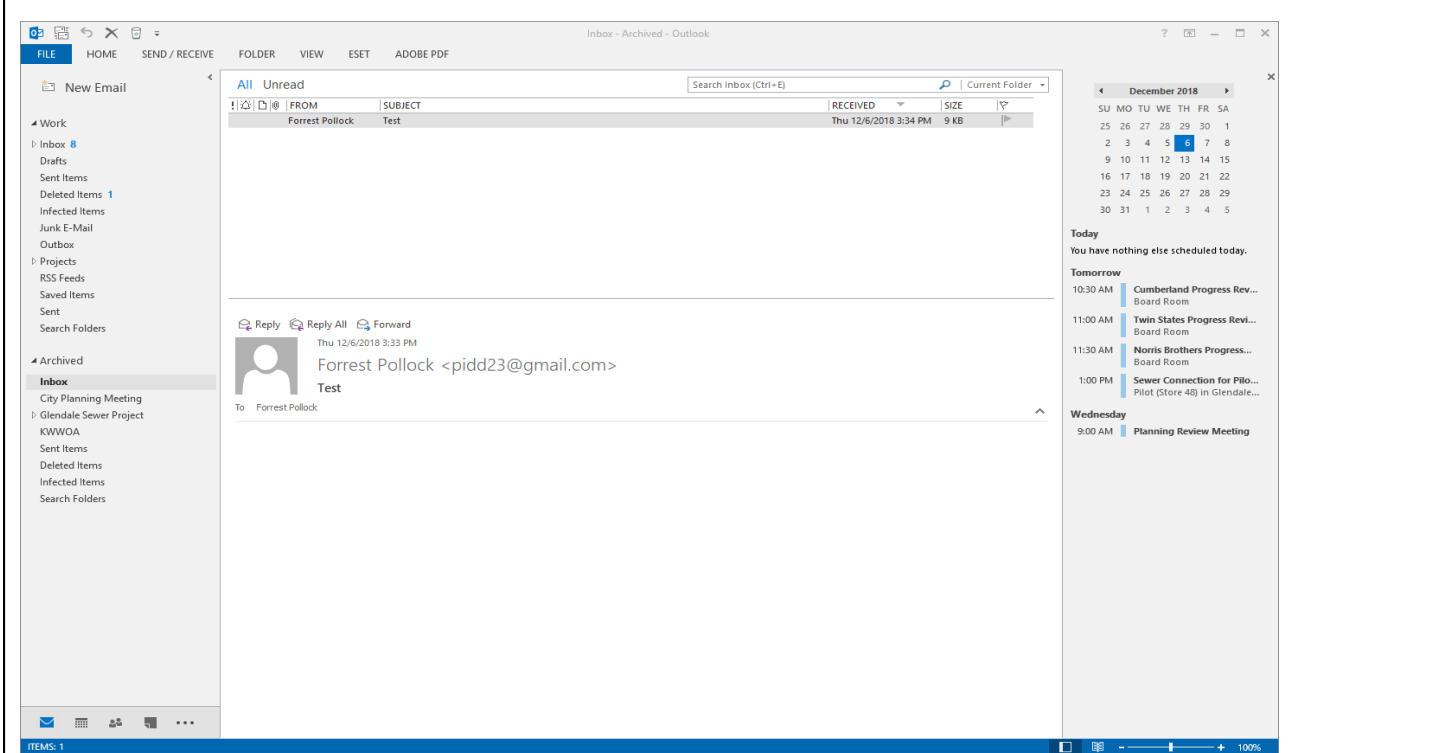
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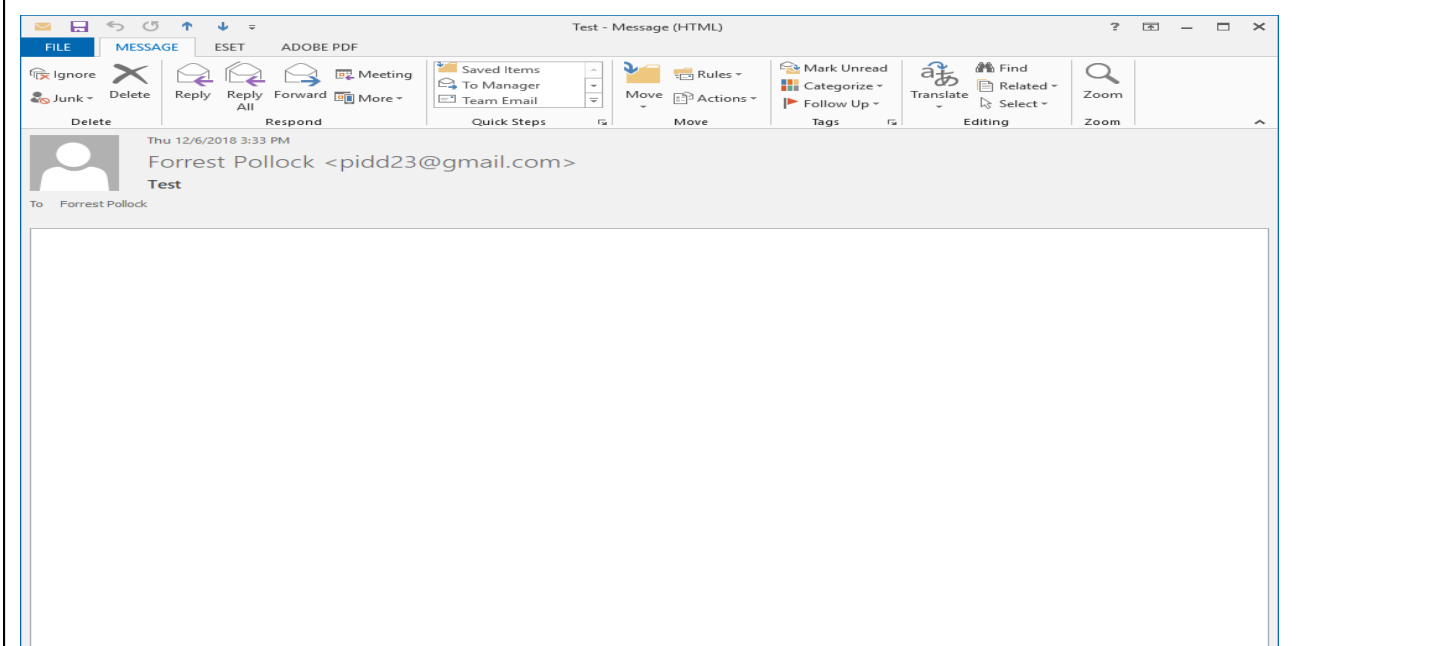
KWWOA Needs Your Help!

Recently, several KWWOA members have received fraudulent emails from scammers posing as Lisa Detherage, KWWOA's Member Services Director. We are making efforts to solve the issue but we still need your help. If you receive a suspicious email that contains Lisa's name and email, we would appreciate you sending us the email header information from it. This header contains critical information identifying the originating sender; with this information we can report the IP address and email address to the email provider to have it blocked. Outlined below are step-by-step instructions for retrieving the header from Outlook or Google mail:

If you utilize **Outlook**, double click the suspicious email in your Inbox to pop out from Outlook. Don't worry this will not open any attachments:

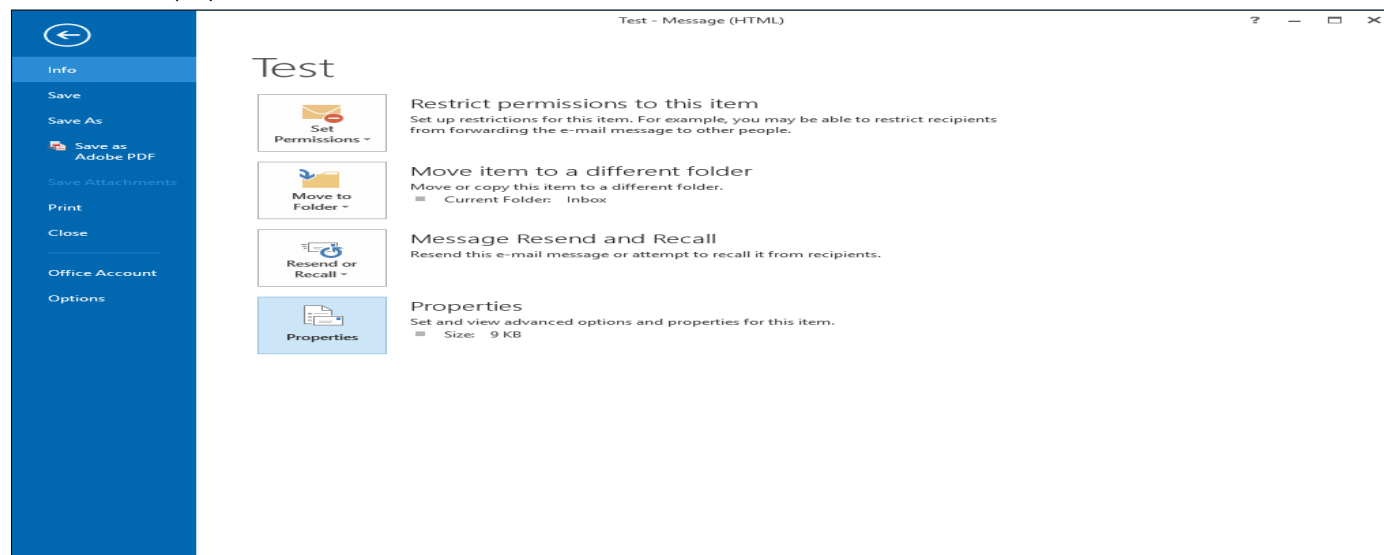


Once the email is in a separate window, click on the File menu option at the top left:

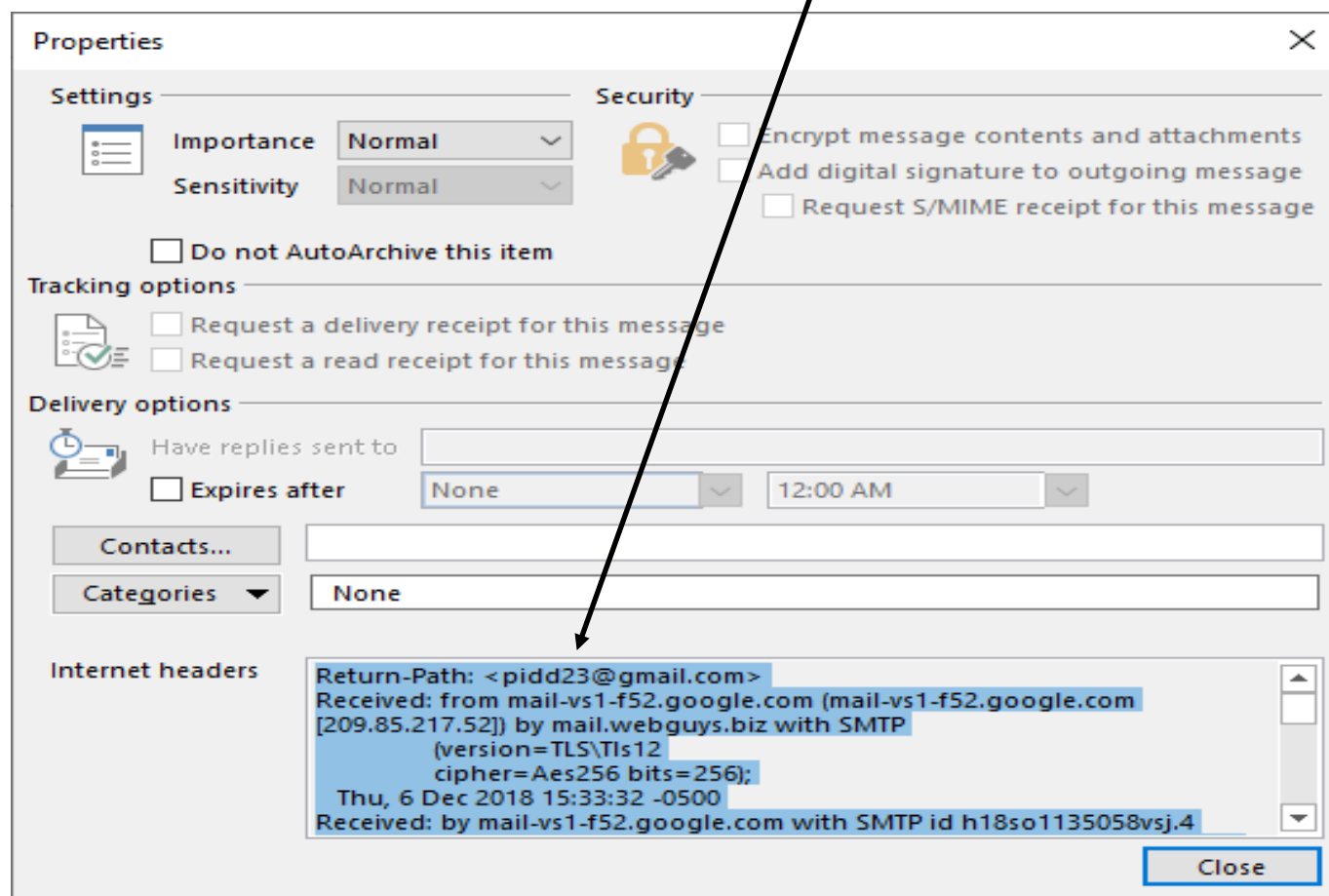


## KWWOA Needs Your Help! continued

Now click on the properties button:



The properties window will open. Then select the text within the Internet headers section, copy and paste this information into an email and send to Lisa ([info@kwwoa.org](mailto:info@kwwoa.org)) and Forrest ([flpollock@hardincountywater2.org](mailto:flpollock@hardincountywater2.org)):

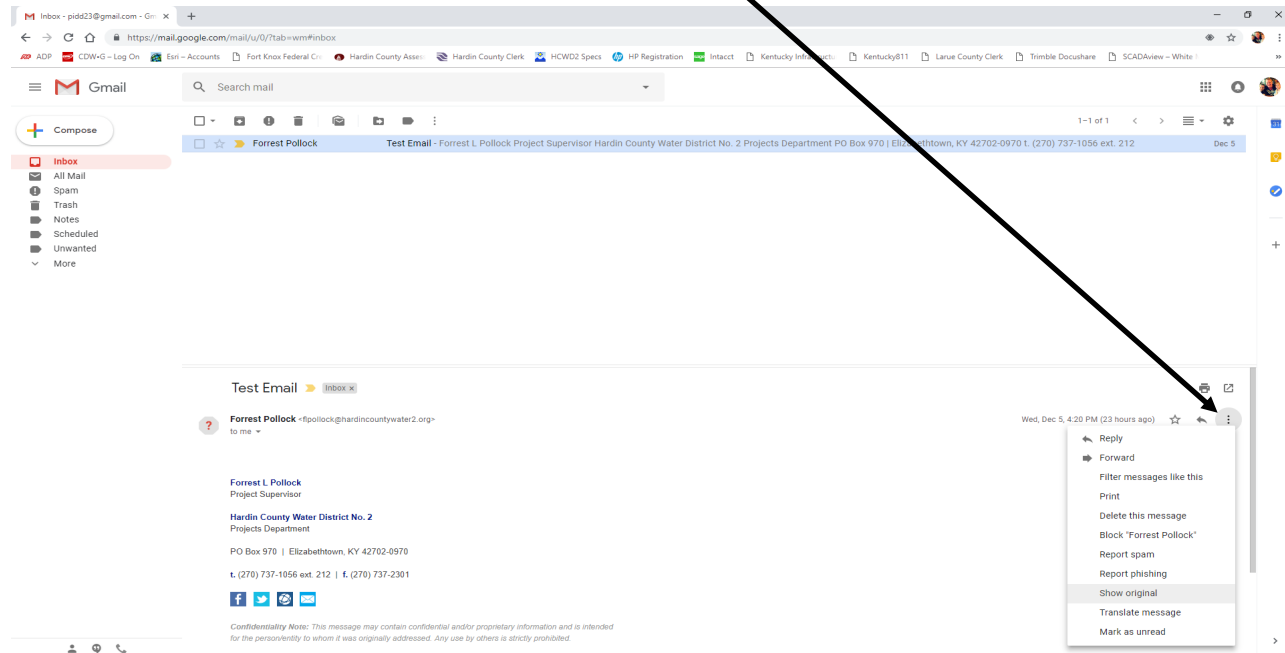


## KWWOA Needs Your Help! continued

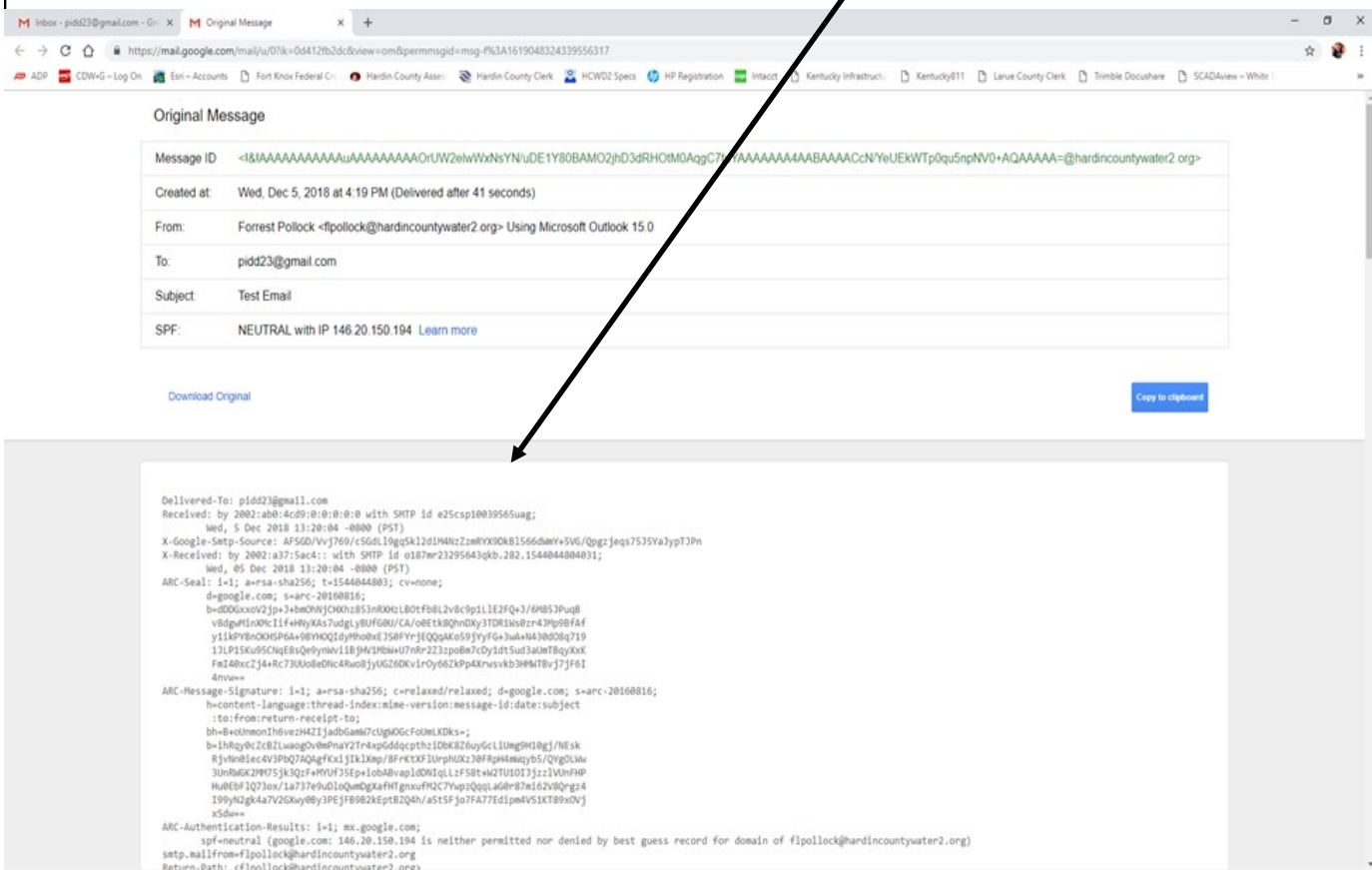
### Article continued from Page 17

If you utilize GMAIL, utilize the following instructions to obtain the email header:

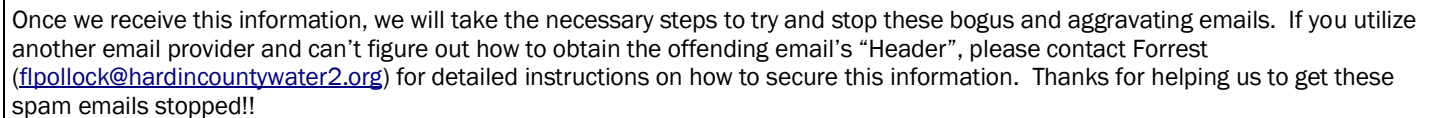
1. With the suspicious email selected, click the menu button (three dots stacked on top of one another) on the email options menu and select "Show Original" menu option:



2. Once this menu item is selected, the header information will appear in a new window:



3. Simply copy and paste the text within the header section (or the entire text if you can't tell where the header ends) into an email and send to Lisa ([info@kwwoa.org](mailto:info@kwwoa.org)) and Forrest ([flpollock@hardincountywater2.org](mailto:flpollock@hardincountywater2.org)):



## Article Continued from Page 8

While running the risk of sounding like a broken record, **you have to engage the community** in all you do. It may seem boring and mundane to you, but if you constantly share information with the public via the local newspaper, social media, encouraging them to board meetings, they not only have some concept of what you do but begin to trust that you are working with their best interest in mind.

While I hate to admit it, operators may be no better off today than 30 years ago, as it relates to the public knowing the quality, life changing services you provide to them on a daily basis. Unfortunately, this may spill over to your employers as well. This goes back to operators, as individuals, needing to be knowledgeable about their business and talk it up to everyone that will listen. Utilize every opportunity you have to tell the public about the work you do and identify for your employers, issues that you see. People aren't mind readers and if you don't speak up, how can they know the true "needs" of the system.

## Eastern Election Update Continued

Article Continued from Page 14

Chris Maloney is the Eastern Chapter's new Wastewater Representative. Chris started working in the wastewater industry in 2002. He has 16 years of experience, a Class III wastewater treatment certification, and is now the supervisor at the Hinkston Creek Wastewater Treatment Plant in Mt. Sterling. In 2016, he was awarded the outstanding operations award by the Eastern Chapter. In addition to his operational duties, Chris also has experience running permit and process tests in our lab. He and seven other operators are responsible for the operation of a 3 MGD oxidation ditch plant with UV disinfection. He has currently implemented an I & I study of the Mount Sterling collection system, as well as remediating several sections of gravity sewer and several lift stations. The Hinkston team performs maintenance, as well as preventative maintenance, on all equipment as needed. Additionally, Chris is the owner of an excavating company which he started in 1992. As an elected officer to the Eastern Chapter Board, Chris is looking forward to helping this program in any way that he can.



Chris Maloney, Eastern Chapter's  
Wastewater Representative

### "Scavenger Hunt" Reinvented

For those of you who have been routinely attending the KWWOA Annual Conference, you may remember us offering "Scavenger Hunts" in the Exhibit Hall several years ago. The hope was to provide operators with an opportunity to participate in a "Technical Session" which provides knowledge of vendors working in the state and the ability to interact with them on the drinking water and wastewater products and services they provide, all with the added benefit of not having to sit in a classroom session.

We are looking to bring this event back in 2019, but with a few changes, including the name. We will offer "Mobile Technical Sessions" in the Exhibit Hall, but they will be shorter in duration and not contain a "homework" component nor discussion, as with the Scavenger Hunt. We will offer a drinking water session and a separate wastewater session for an hour each. During the time, we will have you visit and talk with 4 different vendors within the Exhibit Hall about a product or service they offer that is related to your specific profession.

If there is a specific product you would like to hear about and/or you would like to present a Mobile Technical Session, contact Lisa Detherage, [info@kwwoa.org](mailto:info@kwwoa.org), by January 31, 2019 with an abstract on the presentation and a short

### Western Chapter Fall Training

By Leslie Rogers

The Western Chapter conducted its 2<sup>nd</sup> Annual Fall Training in Hopkinsville, Kentucky at the Murray State University Regional Campus on October, 18th. We had a great day of training with the class approved for 6 CEU's for all the water and wastewater folks that attended. We covered several topics ranging from the Kentucky Federal Surplus Property Program to the ABC's of VFD's, the right feed pump for the right job, to the many applications of Permanganate, and finished with emergency genset maintenance and how to prevent genset failures.

The one day class was sponsored by Cayce Mill Supply of Hopkinsville and the KWWOA Western Chapter. A wonderful catered lunch was provided on site for all attendees.

Next year's WKWWOA Fall training will be held at the same location on October 17<sup>th</sup>. Registration will begin at 7:30 a.m. with the first session starting at 8:00 a.m.

The Western Chapter will also have their Annual Training May 7<sup>th</sup> - 8<sup>th</sup> at the Kentucky Dam State Resort Park located in Gilbertsville, KY.

KWWOA would like to  
wish you a  
Safe and Prosperous  
New Year!



RESOURCE  
MANAGEMENT

103 Fieldview Drive  
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(859) 873 - 3331 Office  
(859) 983 - 6217 Cell

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## KWWOA Chapter—Do You Know Your Chapter Officers?



**Eastern Chapter Counties:** Bath, Bell, Boyd, Breathitt, Carter, Clay, Elliott, Fleming, Floyd, Greenup, Harlan, Jackson, Johnson, Knott, Knox, Laurel, Lawrence, Lee, Leslie, Letcher, Lewis, Magoffin, Martin, Menifee, Montgomery, Morgan, Owsley, Perry, Pike, Powell, Rockcastle, Rowan, Whitley and Wolfe.

Officers: James Poindexter	President	606-864-7611	jamesepoindexter@yahoo.com
Phillip Adkins	Vice President	606-548-3465	padkins@mupb.com
Tim Goble	Secretary	606-226-3554	timgoble.pcuc@gmail.com
Tim Goble	Treasurer	606-226-3554	timgoble.pcuc@gmail.com
Roy Gray	Water Rep	606-596-0296	manchesterwtp@yahoo.com
Chris Maloney	Wastewater Rep	606-585-3690	hcwwtp@mswatersewer.com

**North Central Chapter Counties:** Anderson, Boone, Bourbon, Boyle, Bracken, Campbell, Carroll, Clark, Estill, Fayette, Franklin, Gallatin, Garrard, Grant, Harrison, Henry, Jessamine, Kenton, Lincoln, Madison, Marion, Mason, Mercer, Nicholas, Owen, Pendleton, Robertson, Scott, Shelby, Spencer, Trimble, Washington, and Woodford.

Officers: Matt Piccirillo	President	859-441-0482	picciril@nkywater.org
Dave Enzweiler	Vice President	859-547-6658	adaevie@gmail.com
Nathan Hodges	Secretary/Treasurer	859-441-0482	nhodges@nkywater.org
Brian Bourne	Water Rep	502-229-2396	BBourne@fewpb.com
Matt Chancellor	Wastewater Rep	859-327-0225	mchancellor@gmwss.com

**Central Chapter Counties:** Adair, Allen, Barren, Breckinridge, Bullitt, Butler, Casey, Clinton, Cumberland, Edmonson, Grayson, Green, Har-  
din, Hart, Jefferson, Larue, McCreary, Meade, Metcalfe, Monroe, Nelson, Oldham, Pulaski, Russell, Taylor, Warren, and Wayne.

Officers: Jacob Billingsley	President	270-670-3751	jbillingsley@glasgowh2o.com
Justin Spears	Vice President	270-237-0874	justin.spears@topper.wku.edu
Mandy Spalding	Secretary/Treasurer	270-862-4340	aspalding@hcwd.com
David Poole	Water Rep	270-617-1309	dpoole@graysonwater.com
Bradley Johnston	Wastewater Rep	270-422-3025	rosemaryjohnston@two.com
Chris Gohman	Director of Water	270-862-4340	cgothman@hcwd.com
Corey Bond	Director of Wastewater	270-737-7733	corey.bond@elizabethtownky.gov

**Western Chapter Counties:** Ballard, Caldwell, Calloway, Carlisle, Christian, Crittenden, Daviess, Fulton, Graves, Hancock, Henderson, Hick-  
man, Hopkins, Livingston, Logan, Lyon, Marshall, McCracken, McLean, Muhlenberg, Ohio, Simpson, Todd, Trigg, Union, and Webster.

Officers: Jimmy Grimm	President	(270) 217-4108	jimmy.grimm@fortiline.com
Daniel Lancaster	Vice President	(270) 887-1680	dlancaster@hwea-ky.com
Darran Rankin	Secretary/Treasurer	(270) 444-5581	drankin@pwwky.com
Leslie Rogers	Water Rep	(270) 887-4232	lrogers@hwea-ky.com
Alan Todd	Wastewater Rep	(270) 824-2170	atodd@madisonvillegov.com

## KWWOA 2018 TRAINING & EVENT SCHEDULE

Chapter	Date	Training Cost*	Location of Training	Type of Training**	Hours**
North Central	Jan. 9	Free—KWWOA Members \$75.00—Non-Members	Russel Acton Folk Center Berea, KY	Water and Wastewater	6
Central	March 20	\$100—KWWOA Members \$175—Non-Members	Somerset Water Treatment Plant Somerset, KY	Motor Controls—Multi-meter given to all attendees	6 DW & WW
Statewide	April 14—18	\$180-KWWOA Members \$220—Operator Non-Members \$300—Assoc. Non-Members \$75 + Conf. Fee —KLA Exam	Northern KY Convention Center Covington, KY	Annual Conference & KLA Cert. Review & Exam***	18
Western	May 7 & 8	Free—KWWOA Members \$100.00—Non-Members	KY Dam Village State Resort Park Gilbertsville, KY	Water and Wastewater	12
Eastern	May 9 & 10	Free—KWWOA Members \$100.00—Non-Members	London Wastewater Plant London, KY	Water and Wastewater	12
Central	May 16	Free—KWWOA Members \$50.00—WW Class Non-members \$75.00— DW Class Non-Members	Hardin County Water Dist. No. 2 Elizabethtown, KY	Trenching & Shoring	3 WW & 6 DW
North Central	June 5	Free—KWWOA Members \$75.00—Non-Members	VFW Frankfort, KY	Water and Wastewater	6 DW & WW
Eastern	June 26	Free—KWWOA Members \$75.00—Non-Members	Mountain Arts Center Prestonsburg, KY	Water and Wastewater	6 DW & WW
Central	Sept. 24-25	Free—KWWOA Members \$100.00—Non-Members	Rough River State Resort Park Falls of the Rough, KY	Water and Wastewater	12
Western	October 17	Free—KWWOA Members \$75.00—Non-Members	Murray Sate Uni. Regional Campus Hopkinsville, KY	Water & Wastewater	6
Central	October 24	\$100—KWWOA Members \$175—Non-Members	Brooks Electric Brownsville, KY	Motor Controls—Multi-meter given to all attendees	6 DW & WW
North Central & Eastern	Oct. 16—17	\$40—KWWOA Members \$100—Non-Members	4 Points by Sheraton Lexington, KY	Water and Wastewater	12
Eastern	Nov. 14	Free—KWWOA Members \$75.00—Non-Members	MCTC—Rowan Campus. Morehead, KY	Water	6 DW
Central	TBD Oct. or Nov.	Free—KWWOA Members \$75.00—Non-Members	TBD	Confined Space	6 DW & WW
Central	Dec. 5	Free—KWWOA Members	Mammoth Cave Natl. Park Mammoth Cave, KY	Holiday Event	N/A

\*Pricing may reflect an "early bird registration price.

\*\*KWWOA will solicit the KY Division of Compliance Assistance & the Boards of Certification for approval of the hours and type of training referenced prior to the class. Once the class is approved, a notice will be posted on the KWWOA website for that particular class. If you need these hours for renewal purposes and/or the specific topic referenced, you should inquire ahead of time as to whether approval has been received.

\*\*\*Must be prequalified for this exam.



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



## 2019 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: \_\_\_\_\_ Agency Interest 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. Associate Membership Applications may be found at [www.kwwoa.org](http://www.kwwoa.org).**

**Active Membership** ☐ - By February 28, 2019.....\$40.00 ☐ - Postmarked March 1, 2019 & after ..... 60.00

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 administrative staff, 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

This fee is in addition of the Active Membership fee above.

**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

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### MUNICIPAL

- Pretreatment Program Administration
- Wastewater Ordinance Development
- KPDES Permitting
- Sampling & Analysis
- Wastewater Operations Consulting
- DMR Reporting
- FOG Program Development & Administration
- Local Industrial Limits Evaluation
- GIS Mapping of Sewer Systems
- Landfarm Permitting & Reporting
- Regulatory Assistance
- Drinking Water Operations Consulting
- Drinking Water Analyses
- Consumer Confidence Reports

### INDUSTRIAL

- Storm Water Permitting, BMPs, & Monitoring
- Groundwater Protection Plans
- SWPPP Development
- Air Permitting
- Groundwater Monitoring
- Pretreatment Sampling & Analysis
- Industrial Pretreatment Compliance Consulting
- Wastewater Treatment System Consulting
- Lagoon Treatment System Consulting
- TIER II Reporting
- Toxic Release Inventory Reporting
- SPCC Development
- Flowmeter Installation, Monitoring & Calibration
- Environmental Inspections
- Environmental Phase I & II

PLEASE CONTACT RANDY SHELLEY OR CYNTHIA LEASOR FOR ASSISTANCE

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