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**2020 Membership
Renewals received
Prior to February 28th**

**Individual Membership
\$40.00**

**Associate Membership
\$120.00**

**Check Inside
For Details**

KY Public Service Commission Recommends Regulatory Changes for Smaller Utilities to Stem Water Loss

By Andrew Melnykovich

The Kentucky Public Service Commission (PSC) recently issued a report that examines the issue of water loss as symptomatic of larger operational, managerial and financial problems at troubled water utilities in Kentucky.

The report recommends legislative changes that would set qualifications for managers, create regional water authorities to help manage water districts, give the PSC greater authority to consolidate troubled water utilities, and give the PSC the ability to initiate rate cases for financially struggling utilities.

The report was issued with a PSC order directing 11 water utilities to take steps to address excessive water loss, including pursuing mergers with neighboring utilities and filing for rate increases to provide adequate funding. The PSC listed steps that all 11 of the utilities must take as well as specific measures for each utility.

The PSC report and order are the products of an investigation that began in March, when the PSC opened a proceeding to examine the operations and finances of water utilities that were unable to account for 35 percent or more of the water that they produce or purchase. The report provides a detailed review of each of the 11 utilities, identifying problems common to troubled water systems. Those include inadequate oversight and management, poor financial and accounting practices that often leave utilities with limited knowledge of their budgetary needs, and a reluctance to raise rates, often due to outside pressure.

Correcting many of the problems will require changes in state law, the PSC said. The report contains a number of recommendations for statutory or regulatory changes, including:

- Requiring water district or water association general managers to have formal education and meet professional requirements to be outlined in statute, and to undergo annual training approved by the PSC.
- Requiring each water district or association, individually or jointly in cooperation with other districts or associations, to employ a degreed engineer.
- Legislation to allow the PSC to involuntarily merge distressed water utilities with other, interconnected distribution systems, including municipal water utilities.
- Allowing the PSC to initiate a rate case if a financial review of a utility indicates that higher rates

Article Continued on Page 12

**63rd Annual KWWOA Conference
April 5—6, 2020**

Back to the Basics

Check Inside For Registration Details

Thanks 2019 KWWOA Associate Members!!!

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2019 Central KWWOA Christmas Dinner

By Jacob Billingsley

The Central Chapter (CKWWOA) held its annual Christmas dinner and Membership meeting on December 5, 2019 at Mammoth Cave National Park Lodge. We had around 38 members and guest in attendance that enjoyed a meet and greet, followed by an amazing meal prepared by the Mammoth Cave restaurant. The mood was relaxing and enjoyable given the hustle and bustle of the Season. After an awesome meal, the Chapter conducted its annual membership meeting, awards ceremony, and ended the night with door prize drawings. We appreciate Mandy Spalding's hard work as our Secretary/Treasurer and State KLA Program Coordinator and we congratulate her on the new position with Lebanon Waterworks. Corey Bond with the Elizabethtown Wastewater Treatment Plant (WWTP) was chosen to fill in as the interim Secretary/Treasurer. His appointment was made official during the meeting with a unanimous vote of approval. We also had a new face volunteer as the Wastewater Director. Tyler Bragg with the Glasgow Water Company WWTP was elected unanimously to fill this position. CKWWOA welcomes Tyler to our Chapter board.

CKWWOA would like to thank Dave Enzweiler, Wascon, Inc., for providing two \$50 gift cards as door prizes. The CKWWOA would also like to thank Stephen Ballard, Aulick Inspired Innovations, for donating an electric smoker! We would also like to thank the Mammoth Cave Lodge restaurant staff for their diligent service, preparations and great food! Ending the 2019 year, the CKWWOA, would like to thank all our vendors, members, officers and supporting utilities that make the Association what it is today. We commend the water and wastewater operators and support staff for the amazing job they do on a daily basis, to provide the Commonwealth with safe drinking water and high-quality effluent water. Last but not least, we would like to wish you all a Merry Christmas and Happy New Year.

The pictures and information below reflect the Central Chapter award winners that were recognized during the Annual Membership meeting.

Water Operator of the Year - Justin Spears

The Water Operator of the Year is our very own Justin Spears, with the Scottsville Water Treatment Plant. Justin graduated from Western Kentucky University with a B.S. Degree in Biology, and currently holds a Class IV-A Surface Water Treatment Certification. He has been employed with the City of Scottsville for 14 years, and is currently the Assistant Manager and primary analyst at the WTP. Tasked with helping manage the plant, Justin is actively involved in process control analysis, jar testing, compliance monitoring and reporting, employee training, and development of QAP's and SOP's for the Plant. He has aided with the training and implementation of switching to Chlorine Dioxide at the plant to help combat DBP's, and has had the opportunity to speak at multiple conferences about the experience and results observed. As the

Central Chapter's Vice-President, Justin assists with the State Awards Committee, and has been a Chapter officer for the last five years.



CKWWOA Drinking Water Operator of the Year
Justin Spear
 Scottsville Water Plant
 Pictured with Jacob Billingsley



CKWWOA Wastewater Operator of the Year
Tyler Bragg
 Glasgow Water Company
 Pictured with Jacob Billingsley

Wastewater Operator of the Year- Tyler Bragg

Tyler has a Class IV Wastewater Treatment certification, Class I Certified Lab Analyst with 12 years of experience with the Glasgow Water Company. Tyler has an associate degree in Applied Sciences from KCTCS. Tyler is the Lab Supervisor and the primary lab analyst at the Wastewater Treatment Plant (WWTP) for the Glasgow Water Company. Tyler completes the KPDES permit sampling and the Significant Industrial User sampling, along with all the process control sampling for the WWTP. Tyler keeps the QA/QC in check and maintains the Logbooks for the Certified lab. When Tyler is not working in the lab, he is out assisting the other operators in the plant.

Western KWWOA 2019 Fall Training

The Western Chapter of KWWOA held its annual fall training on October 17, 2019 at the Murray State University Regional Campus in Hopkinsville. This venture was co-sponsored by Cayce Mill Supply of Hopkinsville. There was a wealth of information and knowledge gained from the trainers. The subject matter covered everything from motor and starter basics, to excavation to water clarification through coagulation. The attendees also learned about corrosion, infrastructure failure in water and wastewater systems, and hydro-excavation that has numerous applications within a utility. All the certified operators in attendance received up to 6 contact hours for renewal of their water and/or wastewater certificate(s).

Scott Hargitt, pictured below, is a Water Additives Specialist with Brenntag who gave a presentation on coagulants. Scott, as well as the other trainers, always do an amazing job, providing our attendees with new product and operational information, as well as troubleshooting issues that plant and system operators are experiencing. Scott shared that he enjoys "teaching CEU courses for KWWOA, as it allows him to meet and educate industry colleagues. It also strengthens friendships with people that he enjoys, which in turn supports his business. I also learn from the operators what is happening within their systems and the operator community."



As with many of our KWWOA events, this training was completely free for members. This is due in large part to Cayce Mill Supply's contributions and their desire to support utilities of the surrounding area.

Next year's annual fall training will be on October 15, 2020. The event will return to the Murray State University Regional Campus in Hopkinsville. We hope to see more of our operators in the Western Chapter take advantage of this great training!

A Mexican feast awaits the Hopkinsville School attendees, provided by Cayce Mill Supply



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63rd ANNUAL CONFERENCE

B2B

BACK TO THE BASICS

KWWOA

ATTENDEE REGISTRATION PACKET

APRIL 5 - 9, 2020
GALT HOUSE HOTEL
140 NORTH 4TH STREET, LOUISVILLE, KY

63rd 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 7th.
- **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. 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 payment method. If taking the KLA exam, you must also submit your certification application via the KWWOA website by March 4, 2020. No refunds will be granted for registrations cancelled after March 4, 2020.

Operators who wish to attend the Wastewater or Surface Water Treatment certification review/testing sponsored by the Kentucky Division of Compliance Assistance (DCA), must follow the registration procedures outlined on the Kentucky DCA website (dca.ky.gov/certification). Certification applications and registration forms are also available by contacting the Certification and Licensing Branch at (502) 564-0350. 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 6th, which includes 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
- Access to 90+ vendors within the Exhibit Hall
- Conference Social Events
- Ability to network with speakers, exhibitors & peers
- 2 Meals (Monday breakfast & Tuesday lunch)
- Submittal of training hours earned to the appropriate regulatory authority.
- If not a member, a 2020 KWWOA Membership, providing access to KWWOA training events throughout the year, most of which are free.

LODGING RESERVATIONS

The 63rd Annual Kentucky Water and Wastewater Operators Conference is being held at the Galt House Hotel and Suites, Louisville Kentucky. A block of rooms is being held through March 14, 2020, so make your reservation early to ensure availability. Reservations can be made from the KWWOA website at www.kwwoa.org, by clicking on the "State Conference Information" link and selecting the "Galt House Hotel Reservations" button, under "Hotel Information". Reservations can also be made by contacting the Galt House directly at 502-589-5200, ext. 5181 (reference the Conference to receive the room rate listed below). The rate includes internet access within your sleeping room and public spaces. The fee to park each day is \$10 for overnight and drive-in guests. Drive-in guest should stop by the KWWOA Registration Desk each day for a parking ticket to obtain this rate when you leave. The parking fee for overnight guests with a vehicle will be added to your hotel bill.

Galt House Hotel & Suites

Suites Tower—\$174.00 Flat Rate

Rivue Tower—\$154.00 Flat Rate

Rates above are for single and double occupancy.

(Check In—3:00 PM, Check Out—11:00 AM)

Tentative Conference Agenda

(Final Times May Vary Slightly)

Sunday, April 5, 2020

4:00 — 6:00 PM

Registration Open

Monday, April 6, 2020

6:30 AM — 5:45 PM

Registration Open

7:00 — 8:30 AM

**Breakfast, Opening Session, KWWOA Meeting
& Awards Ceremony**

8:30 — 9:30 AM

Keynote Address/Technical Session 1

9:50 AM — 12:00 PM

Technical Sessions 2 & 3

12:00 — 1:15 PM

Lunch On Your Own

1:00 — 5:45 PM

Exhibit Hall Open

1:15 — 2:15 PM

Technical Session 4

2:15 — 3:15 PM

Ice Cream Social — Exhibit Hall

3:15 — 5:20 PM

Technical Sessions 5 & 6

8:00—11:30 PM

**Reception, Exhibits and NCAA Championship Game
Muhammad Ali Center**

Tuesday, April 7, 2020

7:00 AM — 4:30 PM

Registration Open

8:00 AM — 2:00 PM

Exhibit Hall Open

8:00 AM — 12:15 PM

Technical Sessions 1—4

12:15 — 2:00 PM

Lunch in the Exhibit Hall

2:00 — 4:05 PM

Technical Sessions 5 & 6

Wednesday, April 8, 2020

8:00 AM — 4:30 PM

Registration Open

8:00 — 9:00 AM

Coffee Available

8:30 — 11:40 AM

Technical Sessions 1—3

11:40 AM — 1:00 PM

Lunch on Your Own

1:00 — 4:10 PM

Technical Sessions 4—6

Thursday, April 9, 2020

8:00 AM

**Certification Testing— KWWOA Voluntary Lab Analyst,
DCA Wastewater and Surface Water Treatment**

63rd ANNUAL KWWOA CONFERENCE

CONTINUING EDUCATION REGISTRATION FORM

**Galt House Hotel & Suites
140 North 4th Street
Louisville, Kentucky
April 5–9, 2020
(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 and all Social Events.

Pre-Registration

(Postmarked by February 28, 2020)

- ☐ \$250—2020 Operator or Associate Member
- ☐ \$290—Non-Member Operator Registration*
- ☐ \$370—Non-Member Associate Registration*
- (*Non-member registrations include a 2020 KWWOA Membership)
- ☐ \$10—KLA Membership Fee
- ☐ \$75—KLA Certification Training/Exam Fee**
- **KLA applicants—submit the Certification Application found at www.kwwoa.org on the "KLA" tab by March 4, 2020.
- ☐ \$100—Spouse Attendee

Name: _____

Registration

(Postmarked March 1, 2020 or after)

- ☐ \$300—2020 Operator or Associate Member
- ☐ \$360—Non-Member Operator Registration*
- ☐ \$440—Non-Member Associate Registration*
- (*Non-member registrations include a 2020 KWWOA Membership)
- ☐ \$10—KLA Membership Fee
- ☐ \$75—KLA Certification Training/Exam Fee**
- **KLA applicants—submit the Certification Application found at www.kwwoa.org on the "KLA" tab by March 4, 2020.
- ☐ \$150—Spouse Attendee

Name: _____

**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 4, 2020.

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

Operator Certification—New Regulation Overview

By Amanda LeFevre

As of Nov. 1 2019, new regulations governing drinking water and wastewater operator certification took effect and are being implemented by the cabinet. While the framework formerly in place worked for many years, the challenges facing the industry made it necessary for the KY Division of Water and the Kentucky Division of Compliance Assistance to review and analyze regulations to determine if changes were needed to address unnecessary obstacles to certification. The package developed and reviewed by stakeholders helps address aspects of the operator shortage while maintaining high expectations for operators in Kentucky. This article covers the highlights of changes made to [Title 401 KAR Chapters 5, 8 and 11](#).

Expansion of Education Substitution-

The cabinet will now accept degrees outside of science and math for use as experience substitution. However, they will substitute at a lower rate. These degrees can substitute for no more than 25% of the experience required. The program will still accept [degrees in science and math](#) for substitution of up to 50% of the experience required for a license. All degrees must be earned through a regionally accredited institution.

Apprenticeships-

The regulations address the growing need and importance for apprenticeship programs. Operators that successfully complete a state-approved apprenticeship program are eligible for substitutions for their combined work and education. The rate of substitution will depend on the program design.

Operator In Training (OIT)-

In order to better assist in the development of alternate staffing plans by the Cabinet, the regulations governing OIT were changed. Class II-IV OITs can be in responsible charge of a facility as long as they meet the requirements otherwise spelled out in regulations governing the staffing of treatment plants. Class I OITs may not be in responsible charge of a facility. The regulation change also took out the language making OITs retest if they fell outside certain renewal time frames.

Continued on page 11



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Operator Certification Continued

Distribution and Collection Experience-

As the processes and job duties for these professions are similar, experience gained in one will substitute at the same rate for the other. So, one year of experience in collections would be equal to one year of experience in distribution when applying for a license. The reverse is also true.

Class IV Wastewater Treatment-

The experience requirements for a Class IV Wastewater Treatment Operator have been changed. Previously, the regulation called for at least five years of experience. That has been reduced to three. This still establishes a solid baseline of experience, but is not excessive.

Wastewater Continuing Education Unit (CEU) Accrual-

The accrual of wastewater hours will now mirror the system used for drinking water. Instead of being good for two years after the date the CEU was earned, CEUs will now be accrued starting from the first day following the end of the previous renewal period for the wastewater license. Operators who were unaware of the pending change and have already accrued hours for their 2021 license renewal can contact the office and we will work with them on the renewal process.

Reciprocity and Equivalency-

For operators who are certified in another state but would like to attain a license in Kentucky, the certification program will now consider experience earned along with the actual certification requirements of other states. This will not allow an operator to attain a license higher for which they have tested, however it will take into account that their test along with their years of experience may meet the requirements of licensure in Kentucky.

Licensing Fees-

Fees for certification and renewal will increase. The program has not raised fees in over 10 years so adjustments have been made to better support the program and its services. The fees are as follows:

- An online application for exam will be \$250.
- Online renewal of a license for an active operator is now \$200. The renewal is still good for two years.
- For operators who are retired and no longer actively using their license at a facility or in support of water or wastewater operations, there is inactive license renewal option of \$100. An operator holding this license does not have to seek CEUs to renew. However if they wish to go back to using their license, they will have to earn the required CEUs and pay the difference in the licensing fees to reactivate the license.
- There is a \$50 charge for any application or renewal submitted via paper when an online version is available.
- There will be a transition period from January-March 2020 as the program launches new licensing e-forms and online forms may not be available for some licenses or processes. During those times, the program will not charge the \$50 paper application fee. This will mostly impact the inactive licenses and certified training provider applications. Applications for exams and renewals will be ready on January 1, 2020, so the fee waiver will not apply.

Training Approval Fees for CEU Providers-

Any CEU training provided for operator renewal must be reviewed and approved through the cabinet. There is a \$50 fee for review of a 6 hour class with a \$25 fee for each additional 6-hour block. This approval is good for two years and an entity can renew that approval for two more years for \$15. There is also a program established for certified training providers who provide a large volume of training events. Details on this will be provided in the coming weeks on the DCA website and through notices to those who regularly provide training to Kentucky Operators.

When does this take effect?

All of these regulation changes are currently in effect however there will be a period of transition in terms of processes.

- All certification applications are now being reviewed using the new standards set forth by regulation.
- The new fees will go into effect on January 1, 2020.
- Forms for Inactive Licenses will be in paper format until the new forms and processes are set up online. The cabinet will not charge the \$50 surcharge until an online version is available.

Questions regarding these regulations can be directed to the Division of Compliance Assistance at 502-782-6189 or en-vhelp@ky.gov.

KY Public Service Commission Article Continued

Continued from Page 1

are needed to provide operational and financial stability. The review would come in cases filed under provisions of Kentucky law that allow a utility to set rates without PSC approval if the rate adjustment is connected to the utility receiving a federal loan for infrastructure improvements. The PSC has no authority to adjust the rates or question the purpose of the loan; it must approve both within 30 days.

- Creating designated accounts for the purpose of reducing water loss, subject to a utility submitting and receiving PSC approval of its plan to reduce water loss.
- Establishing regional water boards, appointed by the governor, to oversee the management of regional and local water supply, infrastructure and resources. The boards could hire management staff and procure services that could be shared among utilities, creating economies of scale and reducing costs.
- Shifting the appointment of water district commissioners to the regional water boards, thus reducing local political pressure. Qualifications to serve as a member of a water district board should be strengthened and include holding a college degree.

The report notes that the Kentucky General Assembly earlier this year created a Public Water and Wastewater System Infrastructure Task Force. The PSC report is being provided to the task force and to the legislature.

The PSC investigation and resulting order and report were prompted by persistently excessive water loss at a number of utilities. Water loss is defined as the difference between the quantity of water that a utility produces at its own treatment plants or purchases from another producer and the total amount of water that is sold, used by the utility, or used for fire protection or other authorized uses. Leaks in the system, line breaks, theft, unauthorized usage and metering inaccuracies all contribute to water loss. A water loss of no more than 15 percent is considered acceptable under PSC regulations. Utilities are allowed to factor only a loss of 15 percent or less into their rates, meaning that water loss above that level represents a financial loss to the utility.

The PSC gathered data from each utility and, over the course of two weeks in June, conducted hearings into the operation, management and finances of each utility. The investigation revealed a broad range of deficiencies. To address the most prevalent problems, the PSC ordered all of the utilities to, within six months, to submit to the PSC plans to improve their operations and finances, plans to address water loss and improve business practices, and updated leak detection and water loss prevention manuals. All of the utilities were ordered to begin using the PSC's new water loss reporting form, which was finalized in a separate order and posted on the PSC website (listed at end of this article).

The PSC made several recommendations to the utilities, including:

- Installing system meters, valves and other devices that can help detect and isolate leaks in the system.
- Better deploy staff to find and prevent leaks.
- Evaluate schedules for testing and replacing customer meters.
- Evaluate whether to apply to the PSC for more frequent rate increases.
- Better define the roles of water board members and utility manager in responsibility for reducing water loss.

Directives to the individual utilities contain mostly requirements to submit documents required by statute or regulation that the utilities have failed to submit, including meter testing policies, annual financial reports, financial audit reports, training manuals, written policies, and water usage and loss reports. Others include:

- Big Sandy Water District must submit a plan for hiring a general manager.
- Milburn Water District is to pursue a merger with Graves County Water District.
- Morgan County Water District is to file for a rate adjustment.

KY Public Service Commission Article Continued

- West Carroll Water District is to pursue a merger with Carrollton Utilities.

The PSC gave the utilities six months to either file the required documents or submit status reports on the other directives.

The Water Loss report can be found at https://psc.ky.gov/agencies/psc/reports/KY_PSC_WaterLossReport.pdf, PSC orders videos of hearings and other records are available on the PSC website, psc.ky.gov.

KY Public Service Revamps Water Loss Reporting Form

By Andrew Melnychovych

The Kentucky Public Service Commission (PSC) has issued a revised form for water utilities under its jurisdiction to use in calculating and reporting water loss.

Under an order issued November 22, 2019, jurisdictional water utilities that are under a specific PSC directive to report water loss – at least 28 at present - are required to begin using the new form immediately. All other water utilities are encouraged to begin using the new form immediately, but will be required to do so once the PSC revises its regulations to require its use.

The PSC recently placed greater emphasis on the problem of unaccounted for water loss – water that a utility produces or purchases, but which is neither recorded as sold to customers nor used internally by the utility or by others in accordance with the utility's terms of service. Most unaccounted for water loss is due to system leaks, line breaks or other operational or infrastructure problems. PSC regulations cap water loss at 15 percent for purposes of rate calculations. Water loss above that level represents a financial loss to the utility.

When it opened the case in December 2018, the PSC noted that many utilities have difficulty calculating their water loss and that methodologies vary across utilities. The form is intended to make the process more straightforward and provide consistency in reporting, the PSC said today. While most water utilities in Kentucky report water loss at close to or below 15 percent, a substantial number regularly exceed that figure, with a handful regularly reporting water loss in excess of 50 percent. "Excessive water loss is a potential warning sign of the deteriorating financial health and wellbeing of jurisdictional water utilities," the PSC said in today's order. "Water loss is lost potential revenue, and excessive water loss can have many negative effects, from higher rates for consumers to the ultimate failure of a utility." Utilities agreed that knowing and monitoring water loss is essential to operating a utility in a safe, efficient and financially sustainable manner, the PSC said.

Over the course of the proceeding, the PSC received comments and suggestions from nearly all jurisdictional water utilities – water districts, water associations and investor-owned utilities. No party to the case requested a hearing, leaving the PSC to make its decision on the basis of the written record. Comments from jurisdictional water utilities generally supported the reporting form and process proposed by the PSC. Most also stated it would be reasonable to require the form be used in order to bring consistency to how water loss is measured and reported. A number of utilities proposed that other factors be used in reviewing water loss. The PSC noted that utilities can request exemptions from the 15-percent rule, but bear the burden of proof for showing the deviation is reasonable.

The final version of the form and instructions for its use accompany a PSC order and may be viewed as a PDF document via the following link: (https://psc.ky.gov/order_vault/Orders_2019/201800394_11222019.pdf). The PSC said it will provide training for water utilities in how to perform the calculations.



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CKWWOA Cheer Continued

Continued from Page 3

Educator of the Year- Bob Cashion

Bob Cashion, the Business Development Manager for S4 Water Sales & Service, was recognized as the Central Chapter's Educator of the Year. Bob continuously demonstrates his love for the operator community and industry through his willingness to share the knowledge he has gained over his 40+ year career. Bob is a Nationally Certified Water Technologist; he holds Class IV Water & Wastewater Operator licenses in several states and has been providing water and wastewater related training for over 39 years. He has been involved extensively in chemical treatment applications, operations and maintenance issues of filtration systems and water quality assessment projects. He is an active member of AWWA and NRWA and various state associations including KWWOA. He has a BS degree in Environmental Health & Technology from Missouri Southern State University and is a graduate of the Water & Wastewater Technical College in Neosho, Missouri. When you see Mr. Cashion, congratulate and thank him for his year's of service to KWWOA.



CKWWOA Educator of the Year
Bob Cashion, S4 Water Sales & Service

Water Treatment Plant of the Year- White Mills Water Treatment Plant

The White Mills Water Treatment plant was constructed in 1990 with a capacity to treat 2.7 million gallons a day of water using one ClariCone solids contact unit and two gravity flow filters. With Hardin County's ever-growing population and business community, the plant was expanded in 2000 to treat a capacity of 8.1 million gallons a day with the addition of two ClariCone solid contact units and four additional gravity flow filters. The source water used at the White Mills Water Treatment Plant is a confluence of the White Mills Spring and Nolin River. The plant operates with a total of nine licensed operators and one trainee, 24 hours a day, 365 days a year with an annual average daily flow of 5.5 MGD. All though during the warm summer months, rates can reach upwards from 7 to 7.2 MGD.

In October of 2001, White Mills Water Treatment Plant began operation of a State and Federal certified Microbiological Laboratory. Operating with nine State Certified Lab Analyst and two Certified Lab Techs, over 200 bacteriological samples a month are processed for Hardin and surrounding counties. In 2017, a complete interior rehab of the facility was completed, which included stripping and refinishing all the interior areas & replacement of the filter media.

Since its initiation, the White Mills Water Treatment Plant has participated in and received AWOP recognition each year, meeting and exceeding the goals set by the DOW for settled and finished turbidity standards. Hardin County Water District #2 White Mills Water Treatment Plant has always upheld the highest quality of water treatment for its customers and proudly serves Hardin, Hart & LaRue Counties.



CKWWOA Water Plant of the Year
White Mills Water Treatment Plant

Pictured: John Cruse, White Mills, & Jacob Billingsley

Wastewater Treatment Plant of the Year- Radcliff Wastewater Treatment Plant

The Radcliff Wastewater Treatment Plant was originally built in 1986 and later expanded in 1997-98. Hardin County Water District No. 1 assumed ownership in 2009 with Veolia Water as the contract operator. In 2015, Hardin County Water District took over the operation. The Plant is staffed by three Certified operators, ten hours a day, 365 days a year. Operators Scott Johnson, William Bishop, and Frank Raymer hold Class III wastewater treatment licenses.

The Plant averages 2.6 MGD of predominantly municipal wastewater. The plant utilizes the Activated Sludge Process. Daily operations use mechanical rag and grit removal for preliminary treatment. Two Oxidation Ditches at 1.42 million gallons each perform nutrient removal. Two secondary clarifiers holding 689,000 gallons are equipped for solids returning and wasting. Two Final clarifiers at approximately 65,000 gallons provide additional settling. Disinfection is performed by a Trojan 3000+ UV system. After an aeration ladder, the effluent discharges to an unnamed tributary of Mill Creek.

CKWWOA Wastewater Plant of the Year
Radcliff Wastewater Treatment Plant

Pictured: Jacob Billingsley and Chris Gohman, Radcliff WWTP



Nikki Chamber's Represents

Nikki Chambers is the KWWOA Western Chapter Water Representative. She is an employee of Hopkinsville Water Environment Authority. She started as a customer service rep in 1996 as a co-op student in high school. She then went to work at their Moss Water Treatment Plant as a laborer and in 2000 earned her class IV-A certification. Nikki served as the Chief Operator at the Moss Water Treatment Plant from 2013 until promoted to supervisor in 2019. She is also the Environmental Committee Chair for the local Hopkinsville - Christian County League of Women Voters, as well as the Environmental Chair/Director for the state KY League of Women Voters.



On December 12, 2019, Nikki served on the League of Women Voter's Discussion Panel concerning water quality standards for the Ohio River. This meeting was held in Louisville. ORSANCO's Executive Director, Richard Harrison, presented information about ORSANCO & Tom Fitzgerald, ORSANCO Commissioner and Director of the Kentucky Resources Council served as the moderator. This discussion was open to the public and had a successful turnout. There were many topics discussed including challenges faced by utilities as more rules and regulations are passed by the Environmental Protection Agency.

Also on the panel were: Sarah Lynn Cunningham, PE, Environmental Engineer and LWVL; Tamara Sluss, PH.D. Large River Researcher and Director of Interdisciplinary Master in Sustainability Program, Department of Urban and Public Affairs and the Graduate School University of Louisville; Michael Miller, Professor Emeritus, Department of Biological Science, University of Cincinnati; Jason Flickner, Director and Waterkeeper, Lower Ohio Waterkeeper and Chris Bobay, Water Quality, Louisville Water Company.



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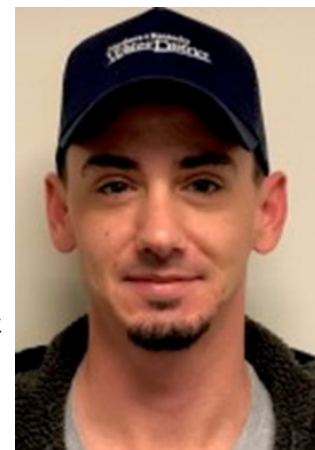
2020 KWWOA Chapter Officer Additions

The Central Chapter of KWWOA held an officer election during their Annual Meeting and two individuals stepped into new roles within the organization. Corey Bond, picture to the right, was confirmed in the position of Secretary/Treasurer, a position recently vacated by Mandy Spalding, who recently took on a new position with the City of Lebanon. Corey most recently served as Central's Wastewater Director, a position specific to this Chapter, which serves to assist the Chapter's Wastewater Rep with the development of training. Corey is an Elizabethtown native and has worked for the City of Elizabethtown for 3.5 years. He has a Master's Degree in Chemical Engineering from the University of Louisville, is a licensed Professional Engineer and Director of Wastewater Treatment for the City of Elizabethtown's Valley Creek WWTP. In his spare time, Corey is a U of L fan and supports his Cardinals! GO CARDS!



Another addition to the Central Officer roster is Tyler Bragg, pictured to the left. Tyler stepped in to fill the Wastewater Director position vacancy. Tyler is a Glasgow, Kentucky native who is married with two kids. He has been employed with the Glasgow Water Company for 12 1/2 years. Tyler holds a Class IV Wastewater Treatment License; Class I Wastewater Lab Analyst and is currently is the Lab Supervisor/Primary Analyst for the Company's Wastewater Lab. Tyler recently finished his Associates Degree in Applied Sciences with the Southeast Kentucky Community & Technical College. Tyler is a great asset to the Glasgow Water Company, and we believe he will continue this support as the Central Chapter's Wastewater Director. Tyler bleeds blue and stands behind his CATS! GO CATS!!!

The North Central Chapter held their elections in October during the North Central/Eastern Training in Lexington. They elected to split the position of Secretary/Treasurer, held by Nathan Hodges. Nathan will remain North Central's Treasurer and Brennan Browning, pictured to the right, will assume the position of Secretary. Brennan hails from Boone County Kentucky and has been in the drinking water business since 2013. He currently works with Northern Kentucky Water District as a class IVA operator, and is an integral part of their treatment division. Since his career began, he has been a member of KWWOA and AWWA.



Brian Gatewood, pictured to the left, has been elected as the North Central Chapter Wastewater Representative. Brian has shared his talents with KWWOA's members the last two years by doing training presentations across the state at various events. Brian is currently employed by JAGS Environmental where he has been a Sales Representative for 4 years. He is focused on Kentucky and Southern Ohio, calling on Owners and End Users. Brian has enjoyed traveling throughout his territory and meeting operators. He enjoys discussing troubles operators are faced with and trying to offer them solutions for their problems. Previously Brian was employed by the City of Williamstown, Kentucky where he served in various capacities throughout his 26 year career. He started as a WWTP operator and retired from Williamstown as the Water and Wastewater Director. In Brian's free time he enjoys spending time with friends, riding his Harley, fishing and playing pool.

If you are interested in getting involved with KWWOA, there are many opportunities at the Chapter and State level. As an Association primarily run by volunteers, we are always looking for assistance and can tailor your involvement to what fits your time and availability. You can simply volunteer to moderate a session, identify worthwhile speakers, or serve as an officer. All levels of assistance are WELCOME!!! If you would like to hear more, feel free to contact any of the state or chapter officers and/or Lisa Detherage at 502-352-0510 or via email at info@kwwoa.org.

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
Phil Adkins	Vice President	606-548-3465	padkins@mupb.com
Tim Goble	Secretary /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
Brennan Browning	Secretary	859-441-0482	Bbrowning@nkywater.org
Nathan Hodges	Treasurer	859-322-9656	nhodges@nkywater.org
Brian Bourne	Water Rep	502-229-2396	BBourne@fewpb.com
Brian Gatewood	Wastewater Rep	859-609-1539	brian@jagsenv.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
Corey Bond	Secretary/Treasurer	270-737-7733	corey.bond@elizabethtownky.gov
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
Tyler Bragg	Director of Wastewater	270-678-4283	tbragg@glasgowh2o.com

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: Leslie Rogers	President	(270) 484-1454	leslie.rogers.ext@suez.com
Daniel Lancaster	Vice President	(270) 887-1680	dlancaster@hwea-ky.com
Darran Rankin	Secretary/Treasurer	(270) 444-5581	drankin@pwwky.com
Nikki Chambers	Water Rep	(270) 498-0660	nchambers@hwea-ky.com
Bobby Hewgley	Wastewater Rep	(270) 724-4840	bobby.hewgley@hkywater.org

KWWOA 2020 TRAINING & EVENT SCHEDULE

Chapter	Date	Training Cost*	Location of Training	Type of Training**	Hours**
North Central	Jan. 22	Free—KWWOA Members \$75.00—Non-Members	Berea Folk Center Berea, KY	Water and Wastewater	6
Statewide	April 5—9	\$250—KWWOA Members \$290—Operator Non-Members \$370—Assoc. Non-Members \$75 + Conf. Fee —KLA Exam	Galt House Hotel & Suites Louisville, KY	Annual Conference & KLA Cert. Review & Exam***	18
Western	May 5 - 6	Free—KWWOA Members \$100.00—Non-Members	KY Dam Village State Resort Park Gilbertsville, KY	Water and Wastewater	12
Eastern	May 14 -15	Free—KWWOA Members \$100.00—Non-Members	London Wastewater Plant London, KY	Water and Wastewater	12
Central	May 21	Free—KWWOA Members \$35.00—WW Nonmembers \$75.00— DW Non-Members	Hardin County Water Dist. No. 2 Elizabethtown, KY	Trenching & Shoring	3 WW & 6 DW
North Central	May 27	Free—KWWOA Members \$75.00—Non-Members	VFW Frankfort, KY	Water and Wastewater	6
Eastern	June 17	Free—KWWOA Members \$75.00—Non-Members	Mountain Arts Center Prestonsburg, KY	Water and Wastewater	6
Central	Sept. 22-23	Free—KWWOA Members \$100.00—Non-Members	Rough River State Resort Park Falls of the Rough, KY	Water and Wastewater	12
Western	October 15	Free—KWWOA Members \$75.00—Non-Members	Murray Sate Uni. Regional Cam- pus Hopkinsville, KY	Water & Wastewater	6
Central	October 22	\$100—KWWOA Members \$150—Non-Members	Brooks Electric Brownsville, KY	Motor Controls Workshop (Multi-meter for all attendees)	6 DW & WW
Eastern & North Central	TBD	\$40—KWWOA Members \$100—Non-Members	TBD Lexington, KY	Water and Wastewater	12
Eastern	Nov. 12	Free—KWWOA Members \$75.00—Non-Members	Morehead Utility Maint. Dept. Morehead, KY	Wastewater	6
Central	Dec. 3	Free—KWWOA Members	Mammoth Cave National Park Mammoth Cave, KY	N/A	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"



2020 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, 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.

Active Membership ☐ - By February 28, 2020.....\$40.00 ☐ - Postmarked March 1, 2020 & 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.

KWWOA
P.O. Box 700
Lawrenceburg, KY 40342

KWWOA STATE BOARD

Donald Compton, Chairman
pcuc14@gmail.com

Jeremy Woosley, Vice-Chairman
jwoosley@graysonwater.com

Lori Simpson, Secretary
simpson@nkywater.org

Julie Duncan, Treasurer
watergirl@kih.net

Brian Bourne, Rep., NCKWWOA
BBourne@fewpb.com

Brian Gatewood, Rep., NCKWWOA
brian@jagsenv.com

Chris Maloney, Rep., EKWWOA
hcwwtp@mswatersewer.com

Roy Gray, Rep., EKWWOA
Roy.Gray@ky.gov

Bradley Johnston, Rep., CKWWOA
rosemaryjohnston@twc.com

David Poole, Rep., CKWWOA
dpoole@graysonwater.com

Bobby Hewgley, Rep., WKWWOA
bobby.hewgley@hkywater.org

Nikki Chambers, Rep., WKWWOA
nchambers@hwea-ky.com



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: info@kwwoa.org

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