



ARKANSAS DRINKING WATER UPDATE

Engineering Section To Propose Revision of PWS Rules

Jeff Stone, P.E., Director

At the August 1st meeting of the Board of Health, the Engineering Section will request permission to begin the process for revising the *Rules and Regulations Pertaining to Public Water Systems*. The request is being made for the purposes of updating the rules to reflect recent changes to the public water system service fee rate, to allow for greater flexibility in utilization of Food and Drug Administration (FDA) and National Sanitation Foundation (NSF) standards, to update references to two updated American Water Works Association (AWWA) disinfection standards, to remove use of the word “regulations” and replace with the word “rules” in accordance with Act 315 of the 2019 legislative session, and in Section IV.A. “Arkansas Department of Health and Human Services” is being replaced with “Arkansas Department of Health”.

Approval of the Board of Health is required under the administrative procedures policy in order to begin the process to revise the regulations. Following the initial approval of the Board to proceed, the process includes notification of the public, a public hearing, and legislative committee reviews.

Specific changes to the regulations that are being proposed are as follows.

First, it is proposed to modify Section VII.G Approved Chemicals, Materials, Equipment, and Processes so that, for very small water systems, product standards equivalent to ANSI/NSF 60 or 61 can be used for selecting equipment if those equivalent standards are issued by the FDA or ANSI/NSF. In plain language this means that certifications intended for residential use and residential sized products can be referenced when the very small water systems need to select equipment of a similar small size. Second, it is proposed to modify Section XI.H Cleaning and Disinfection in order to update the referenced AWWA Standard C652-92 to refer to the most recent version of the standard which is C652-11.

This AWWA standard governs the disinfection of drinking water storage tank prior to placing such a tank into service.

Third, it is proposed to modify Section XIV.E Disinfection of Pipe in order to update the referenced AWWA Standard C651-92 to refer to the most recent version of the standard which is C651-14. Also, it is proposed to strike the language concerning collection of bacteriological samples, “that are not collected on the same day”, so that the requirements of this section are not in conflict with the requirements of the latest revision of this standard. In plain language, the latest revision of this standard allows for two options concerning bacteriological sampling. One of those options allow for collection of bacteriological samples on the same day. These changes would allow for use of either bacteriological sampling option.

Fourth, it is proposed to modify Section XXV. Annual fees in order to update the indicated public water system service fee from \$0.30 per service connection per month to \$0.40 per service connection per month in accordance with the change made by Act 788 of the 2019 legislative session.

Detailed regulation markups of each section are displayed on page 2 of this newsletter (next page).

If Board of Health permission to proceed is granted, water systems will receive a separate notice on the proposed changes in addition to a notice being placed in the statewide newspaper for a public hearing. The date and location for the public hearing have not yet been determined.

The proposed rule will be made available on the ADH website <https://www.healthy.arkansas.gov/rules-and-regulations> If you have any questions, please send them in an e-mail to jeffery.stone@arkansas.gov

Inside the <i>Update</i>	Page
Proposed PWS Rule Changes	2
Perchlorate Proposed Rule	3
Water Operator Licensing Rules	4
Annual Compliance Report	4
Risk Assessment Training	5
Forestry Forum	6

PROPOSED PWS RULE CHANGES BY SECTION

G. *Approved Chemicals, Materials, Equipment, and Processes*

All chemicals added to the water and all materials in contact with in-process or treated water shall be certified as being in compliance with ANSI/NSF Standards 60 and 61, as applicable. In addition, all products required to be "lead free" as determined through Section 1417 of the Safe Drinking Water Act (42 U.S.C. 300g-6) shall be certified as being in compliance with NSF/ANSI 372 or Annex G of NSF/ANSI 61. Certification shall be made by an independent agency. Self-certification by the manufacturer will not be accepted.

All unit processes, equipment, chemicals and appurtenances shall be in accordance with the latest edition of the applicable AWWA standards, and approved by the Arkansas Department of Health.

For treatment facilities utilized for treating water solely for bottled water or very small water systems, at its discretion, the Department may allow certification with the equivalent U.S. Food and Drug Administration food contact or food additive standard or other ANSI/NSF drinking water standards in lieu of certification with the appropriate ANSI/NSF 60/61 and AWWA standards.

H. *Cleaning and Disinfection*

Potable water storage tanks shall be cleaned as often as necessary. They shall be effectively disinfected before being placed into service in accordance with the "American Water Works Association Standard for Disinfection of Water Storage Facilities" (the latest edition of AWWA ~~C652-92~~ C652-11 or the latest revision thereof). Before the storage tank is placed in service, two consecutive series of samples that are not collected on the same day must show that the water is bacteriologically safe for drinking purposes.

E. *Disinfection of Pipe*

Before being placed in service, all new water distribution systems, extensions to existing systems, any valved section of such extension or any replacement of the water distribution system shall be properly disinfected. Prior to disinfection, all dirt shall be removed by thorough flushing. All valves and appurtenances affected shall be operated while the pipeline is filled with the disinfecting agent. Following disinfection, all treated water shall be thoroughly flushed from the pipeline and bacteriological samples shall be taken to determine the efficiency of the disinfection procedure. Before the system or line is placed in service, two consecutive series of samples ~~that are not collected on the same day~~ must show that the water is bacteriologically safe for drinking purposes. Disinfection shall conform with American Water Works Association, "Standard Specifications for Disinfecting Water Mains," ~~C651-92~~ C651-14, or the latest revision thereof.

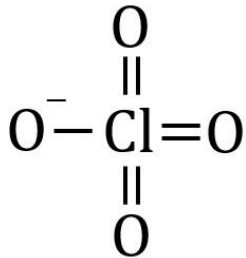
XXV. ANNUAL FEES

The annual fees for public water systems provided for in Arkansas Statutes § 20-28-101 et seq are established at ~~\$0.30~~ \$0.40 per service connection per month for community and nontransient noncommunity water systems, with a minimum fee of \$250; and at \$125 for transient noncommunity water systems.

ARKANSAS DRINKING WATER UPDATE is published quarterly by the Engineering Section, Arkansas Department of Health to inform readers of issues and activities affecting this industry. Articles and information in the newsletter can be reproduced without restriction if credit is given for the source. Potential contributors of articles for the *UPDATE* and persons wishing to be added to the mailing list should contact the Section at the address listed on the last page.

EPA Issues Pre-Publication Version of Proposed Perchlorate Rule

Jeff Stone, P.E., Director



On May 23, 2019, the Environmental Protection Agency (EPA) released a pre-publication notice of proposed rulemaking that seeks public input on a range of options regarding the regulation of perchlorate as part of the Safe Drinking Water Act.

Perchlorate is a naturally occurring and manufactured chemical (ClO₄⁻). Perchlorate is commonly used as an oxidizer in rocket propellants, munitions, fireworks, airbag initiators for vehicles, matches, and signal flares. It is naturally occurring in some fertilizers. Fortunately, for Arkansas, there do not appear to be any naturally occurring deposits of perchlorate in the state or any known contamination sites.

Perchlorate in drinking water is a health concern due to it reducing uptake of iodine to the thyroid gland. The adverse effects of disrupting normal functioning of the thyroid and related hormones in adults can lead to changes in organ metabolism. In fetuses, infants, and young children adverse effects can lead to permanent changes to normal growth and development of the nervous system.

The pre-publication notice indicates that EPA is proposing a Maximum Contaminant Level (MCL) and a Maximum Contaminant Level Goal (MCLG) of 56 ppb (0.056 mg/L) for perchlorate in drinking water. Also, EPA is proposing that perchlorate be monitored according to the standardized monitoring framework that begins with quarterly monitoring and allows for eventual reduced frequency monitoring if monitoring results indicate perchlorate is absent at the detection level of the analytical methodology. The proposed MCL and MCLG for perchlorate of 56 ppb is above the previously issued drinking water health advisory of 15 ppb (0.015 mg/L).

Unusually, in addition to the proposed regulation, EPA is requesting comment on three alternatives: 1) whether the MCL and MCLG for perchlorate should be set at 18 ppb (0.018 mg/L), 2) whether the MCL and MCLG should be set at 90 ppb (0.090 mg/L), or 3) whether instead EPA should decide to not regulate perchlorate in

drinking water at all due to low frequency of occurrence.

Perchlorate was sampled as part of the Unregulated Contaminant Monitoring Rule 1 (UCMR1) and Arkansas was fortunate in that perchlorate was not detected in Arkansas at any water systems sampled during the UCMR1 sampling. During UCMR1, approximately 5% of community water systems in Arkansas were sampled. While UCMR sampling does not sample all water systems, the lack of any detects is consistent with there not being any perchlorate ore deposits in the state or contamination sites. EPA decided to regulate perchlorate in drinking water during 2011.

Perchlorate can be difficult and expensive to remove. EPA indicates that best available technologies include ion exchange, biological treatment, and reverse osmosis. Any water systems that might be faced with treatment requirements would no doubt be inclined to evaluate any alternate sources of water that might be available and acceptable.

Based upon the low occurrence rate found during UCMR1, it is expected that the main burden of regulation of perchlorate as a contaminant will be the expense of sample collection and sample analysis. The Arkansas Department of Health's Public Health Laboratory will be able to conduct perchlorate analysis for water systems in Arkansas and sample collection will be performed by the Engineering Section's sampling technicians. Perchlorate samples are collected from entry points to the distribution systems.

The public comment period will begin when the proposed rule is officially published in the federal register and last for 60 days afterwards. The proposed rule is expected to appear in the federal register during June or early July.

The pre-publication information can be viewed on the EPA website at <https://www.epa.gov/dwstandardsregulations/perchlorate-drinking-water>

Water Operator Licensing Rules To Be Revised

Jeff Stone, P.E., Director

Changes in Arkansas law made during the 2019 legislative session will necessitate revising the Arkansas Department of Health's Rules and Regulations Pertaining to Water Operator Licensing. Once this process is complete these rules will have a new title of "Arkansas Department of Health's Rules Pertaining to Water Operator Licensing". The changes in state law are as follows.

Act 820 concerns the occupational licensing of active duty service members, returning military veterans, and their spouses. The requirements of the law require an expedited process of issuing a license if the active duty service member, returning military veteran, or spouse, holds an equivalent occupational license in another state, territory, or district of the United States.

Act 1011 concerns licensing rules when a license is to be reinstated or issued based upon reciprocity. The law places limits upon the requirements that can be placed upon a person petitioning for a reinstatement of their license or issuance of a license based upon reciprocity.

Act 426 concerns issuing of temporary or provisional licenses and to reduce barriers to entrance of qualified workers to the labor market.

Act 315 requires that modified rules and regulations uniformly utilize the word "rule" rather than "rule" and "regulation" being used interchangeably and perhaps creating confusion.

The actual text of these legislative acts can be searched for and viewed at <http://www.arkleg.state.ar.us/SearchCenter/Pages/historicalbil.aspx>

The process for changing the water operator licensing rules begins with asking the Board of Health permission to initiate rule change. It is expected that permission will be requested at the August 1st Board of Health meeting. If permission is granted, the process of rule change will begin and will follow the legal requirements governing this process. Part of the process will include notice to the regulated community and opportunity for public comment. The Engineering Section at the Arkansas Department of Health will keep the regulated community informed. If you have any questions at this time, you can email me at jeffery.stone@arkansas.gov

Annual Compliance Report Available

Jeff Stone, P.E., Director

The Engineering Section has completed the Annual Compliance Report (ACR) pertaining to calendar year 2018. As the primacy agency in Arkansas for the federal Safe Drinking Water Act (SDWA), the ACR is required to be completed and made available for each calendar year. The deadline for making this report available is July 1 of the following year.

The ACR contains detailed information concerning the violations that public water systems have incurred and overall statistics concerning compliance with SDWA requirements for public water systems in the state. Highlights of the report are as follows:

Population of Arkansas	3,013,825
% of Arkansans Served by Public Water	97.2 %
Community Public Water Systems	690
Transient, Non-Community PWSs	346
Non-Transient, Non-Community PWSs	35
Monitoring Compliance	99.9 %
SDWA Water Quality Compliance	97.1 %
Overall SDWA Compliance	97.0 %

It is important to understand that overall compliance rates rise and fall incrementally as new SDWA requirements become effective and public water systems make adjustments to maintain compliance. The overall compliance rate of 97.0% for 2018 is slightly lower than the 2017 level of 98.0%.

As in recent years, compliance with disinfection-by-product limitations continues to present the biggest challenge to water quality for drinking water systems in Arkansas. This is largely the result of our forested watersheds combined with warm temperatures in our state and the necessary practice of disinfection.

The most recent ACR is available via the Engineering Section website <https://www.healthy.arkansas.gov/programs-services/topics/epa-drinking-water-annual-violation-reports> If a paper copy is desired, please send a request to jeffery.stone@arkansas.gov or via regular mail to Jeff Stone, Engineering Section, Arkansas Department of Health, 4815 West Markham, Slot 37, Little Rock, AR 72205.

Risk Assessments and Emergency Response Plan Training

By Nushat Dyson, EPA and Jatin Mistry, EPA Region 6

As mentioned in the Spring 2019 edition of the *Arkansas Drinking Water Update* article entitled “Risk Assessments and Emergency Response Plans”, America’s Water Infrastructure Act (AWIA) requires applicable drinking water utilities to conduct risk and resilience assessments and, if necessary, update emergency response plans (ERP) based on their findings.

The law includes specific components that the risk assessment and ERPs must address and establishes deadlines by which water systems must certify to the United States Environmental Protection Agency (EPA) completion of the risk assessment and ERP.

A one-day training (both in person and via webinar) will be conducted by the EPA on October 8, 2019, at the EPA’s Region 6 Training Facility in Addison, Texas, located at 16650 Westgrove Road, Suite 200, Addison, Texas 75001. The purpose of this training is to assist drinking water utilities by providing detailed information on America’s Water Infrastructure Act: Section 2013 and 2018, including the requirements and deadlines of the risk assessment and ERP.

This workshop will provide meeting attendees with details and training on EPA’s available tools to comply with the new risk assessments and ERPs such as how to use the updated Vulnerability Self-Assessment Tool to conduct the risk assessment and the new ERP Guidance and Template to develop and/or update an ERP. In addition, the Section 2018 portion of the training will provide details on how to comply with the new emergency spill notification requirements and chemical inventory data availability. Meeting participants will have the opportunity to ask detailed questions regarding the requirements of the Act.

A draft agenda of the training topics that will be presented are the following:

- Section 1: AWIA Section 2013 Overview
- Section 2: Risk and Resilience Assessments
- Section 3: Emergency Response Plan Guidance and Template
- Section 4: Certification Process
- Questions and Answer Session on AWIA Section 2013 Requirements
- Section 5: AWIA Section 2018

Those wishing to attend the training in person or via webinar must register by October 1, 2019. When registering, please select one of the following options:

- Attend the meeting in person. The meeting will be held at EPA’s Region 6 Training Facility. Please note there are a limited number of spots available.
- Attend the meeting via webinar with your respective state. Instructions for accessing the webinar will be sent to registered attendees prior to the meeting.

Registered attendees requesting in-person attendance will receive a confirmation email with details on how to access the facility no later than September 8, 2019.

Registered attendees requesting attendance via webinar will receive a confirmation email with details on accessing the webinar link no later than October 1, 2019.

Meeting Specifics:

Date: October 8, 2019
Time: 9 AM to 5 PM
Where: US EPA Region 6 Training Facility
16650 Westgrove Road
Suite 200
Addison, Texas 75001

Registration: <https://eparegion6raerptraining.eventbrite.com>

Please Note: Lunch will not be provided. Attendees will have one hour for lunch.
(Continued Next Page)

In addition to the EPA Region 6 training on October 8, 2019, additional webinars can be attended by visiting the following website: <https://www.epa.gov/waterresilience/americas-water-infrastructure-act-2018-risk-assessments-and-emergency-response-plans#TNG>

If you require special accommodations (other than language interpretation), please contact Nushat Dyson (dyson.nushat@epa.gov, 202-564-4674) by September 27, 2019.

For additional information, please visit the following website: <https://www.epa.gov/waterresilience/americas-water-infrastructure-act-2018-risk-assessments-and-emergency-response-plans>

The fact sheet on Risk and Resilience Assessment and Emergency Response Plan requirements can be found at <https://www.epa.gov/waterresilience/overview-new-risk-assessment-and-emergency-response-plan-requirements-community>

For questions regarding AWIA Section 2013 (a) – (f), please contact EPA's Water Security Division at WSD-outreach@epa.gov.

3rd Arkansas Statewide Forum on Forests and Drinking Water- Focus on Action

Bob Morgan, PhD, Arkansas Forests and Drinking Water Collaborative



November 4th and 5th, 2018 the Arkansas Forests and Drinking Water Collaborative will host the 3rd Arkansas Statewide Forum on Forests and Drinking Water at the Lodge on Mt. Magazine. The theme of the 3rd Forum is "Focus on Action". This theme reflects our emphasis on opportunities provided for source water protection by the 2018 Farm Bill and the 2019 update of Arkansas' Forest Action Plan.

The Farm Bill authorizes programs implemented through the United States Department of Agriculture (USDA) and sets national priorities for those programs. Thanks in part to efforts by the staff of the American Water Works Association, the 2018 bill mandates that 10% of Conservation Title funding go toward projects that help to protect sources of drinking water. Conservation Title programs include the Environmental Quality Incentives Program, the Resources Conservation Partnership Program, the Wetland Preserve Program and Conservation Innovation Grants managed by the Natural Resources Conservation Service as well as the Forest Legacy Program and Landscape Scale Restoration Grants managed by the National Forest Service. These are the main ways that the USDA funds conservation in America.

The Forest Action Plan sets priorities for management of forests within the State of Arkansas. The objectives of forest actions plans are to: address urban forest management, enhance opportunities for working forests and develop methods to restore forested ecoregions; deal with forest pests, wild land fire and extreme events; and to support traditional forest markets while strengthening the value of clean air and water, wildlife habitat, recreation and mitigate climate change. State and Federal agencies abide by the priorities of the action plan.

To take advantage of these opportunities, utilities will need to know what is available, and they will need to have built a partnership with the local Soil and Water Conservation District as well as the local and state NRCS staff and other conservation organizations active in their area. At the 3rd Forum you will learn specifics of the Farm Bill and the Forest Action Plan, how those activities relate to your source water protection program, build a network of contacts both local and statewide on which to base your local partnership, hear case studies of successful partnerships and learn how to interact with landowners and the conservation community. As a result, you will be able to take actions that protect your water source.

Registration for the 3rd Statewide Forum on Forests and Drinking Water will open mid-August on the Arkansas Forestry Association's website, <https://www.arkforests.org/>. Rooms at the Lodge on Mt. Magazine are available at the government per diem rate or \$94.00 per night. The forum will begin after lunch on Monday the 4th of November and conclude by 4:00 PM on the 5th. A tour of Clarksville's Water Treatment Plant will be included. Meals and breaks are provided. A \$20 registration fee is to be collected to help offset the cost of materials and services.

If the cost of attending is a problem, there are 10 scholarships available that cover mileage to Mt. Magazine, registration and one night's lodging. Scholarships are available on a first come first served basis.

Contact Bob Morgan, ramorganllc@gmail.com, for further information or visit the Arkansas Forest and Drinking Water Collaborative's website, <https://arforestsandwater.com>.

Water Licensing Renewal

Have You Renewed Your Water Licenses?

Please note: It is the operators' responsibility to see that their license is renewed regardless of the receipt of a renewal invoice, the renewal being processed by their utility, or receipt of the renewal documents by the license program. The operator needs to verify their license renewal by watching for the receipt of their renewal wallet card, with a June 30, 2021 expiration date.

Many of you have already responded to the invoice by following the included renewal directions to submit your renewal. I expect many of you have already received your renewal wallet cards with a June 30, 2021 expiration date, please verify. If so, congratulations, you have completed your renewal. We are also working hard to get all other submitted renewals processed. The first action taken upon receipt of your renewal is the cashing of the renewal check or acceptance of on-line payment. If the check has cleared your account or on-line payment was accepted, your renewal was received. A renewal response from us should be received within 30 days after the check cleared your account. There is a 90-day grace period after a license expires to provide us time to complete the renewal process and your license is considered current, active until September 30, 2019 when the grace period ends.

Renewal notices for water licenses were mailed May 21, 2019. All active water operator license holders, with a license expiring June 30, 2019, were mailed renewal invoices, to the water license address of record. If your license expires June 30, 2019 and you have not received your renewal invoice, please contact the water licensing program. In addition, renewals received after July 31, 2019, are subject to a \$5.00 renewal penalty. The penalty will be assessed and an invoice mailed at that time. The penalty invoice serves as your final written notice of non-renewal.

If you have yet to submit your renewal, remember you must have 24 contact hours of approved training, and at least 12 of the hours must be approved as direct water operator training. The other 12 can be more direct or indirect training. Considerable training attendance may be looked up, documented at: https://health.arkansas.gov/wa_engTraining/hours.aspx

If you are short renewal hours, training can be attended after the expiration date, June 30, 2019, to complete the renewal training requirements. The Licensing Regulations allow hours to be obtained until June 30, 2020 to meet the 2019 renewal requirements. Hours used for this process are not available for the 2021 renewal. A license not reinstated by June 30, 2020 is lost. Training schedules are on the internet at: <http://www.healthy.arkansas.gov/eng/autoupdates/oper/opcertlinks.htm> should you need training hours.

Operators who submitted renewals 30 or more days ago without a response should please contact the Water Licensing Program to determine your renewal status, by calling (501) 661-2623 or by email at ADH.water.licensing@arkansas.gov.

Please remember, this is your license, it is not your water system's license, and it is not their sole responsibility to renew your license. Your system may be pro-active in assisting you in obtaining renewal training and submitting your renewal documents and fee(s). However, it is your responsibility to see that you receive your renewal wallet card with a June 30, 2021 expiration date. If your license is not renewed, reinstated by June 30, 2020, it is you taking the license exam to get your license back.

REPORT OF THE Arkansas Drinking Water Advisory and Operator Licensing Committee

Martin Nutt, Training and Certification Officer

A quarterly meeting of the Arkansas Drinking Water Advisory and Operator Licensing Committee (Committee) was held on April 11, 2019.

Members present:

Roger Moren, Chair-Elect, Sardis Water Assn (2019)
Lashun Massey, Ph.D., P.E., UA Little Rock (2022)
Jeff Stone, P.E., Executive Secretary; ADH

Aaron Benzing, P.E., Hawkins Weir Engineers (2021)
Lance McAvoy, Fort Smith Utility (2024)

Member Absent:

Scott Boggs, Searcy Board of Water Utilities (2023)

Department of Health (ADH) Staff & Guests present:

Reginald Rogers, Attorney, ADH
Ida L Hampton, Administrative Specialist, ADH
Jeremy Rowe, Arkansas Environmental Training Academy

Martin Nutt, Training and Cert Officer, ADH
Dennis Sternberg, Arkansas Rural Water Association

Moren called the meeting to order and welcomed all present to the Committee meeting. The Committee approved the October 11, 2018 & January 10, 2019 meeting minutes.

OLD BUSINESS

Nutt reported the conversion to the 2017 version of ABC License exams went smoothly administratively. The new exams were put into use January 1, 2019. Nutt stated the results from their first uses had trended downward slightly, which was expected with the new exams. He shared anecdotally that to the most part he had seen no significant skewing of scoring, good or bad, with the scoring of most repeat exam takers, who were scoring a consistent score on the old exams, had scored similar on the new exam. This would indicate that the difficulty levels of the new exams are similar to the old exams.

Stone started the legislative session update by noting the PWS Fees were increased from 30 cents to 40 cents per meter. He expressed appreciation to the water managers, industry groups and others that provided support for the increase. Stone then discussed the fee would be implemented as soon as possible with Act 788 becoming effective 90 days after the legislative session closes. He briefly discussed the increase will allow the Agency, to now move forward with Public Health Lab equipment improvements to address "in house" capabilities for HAB and PFAS substances. He would also like to improve the responsiveness of the Bacti lab. He concluded discussion on the fee increase legislation by noting that some type of training assistance to the operators in the licensing process was being considered.

Stone then discussed Act 708 (HB1663) which sets down financial requirements for Improvement Districts. However, as the law concludes it requires the Department of Health to establish minimum standards for Improvement Districts. The Standards will need regulations to be developed.

Stone next discussed Senate Bill 525 which was passed and was awaiting the Governor's signature. The bill mainly involves the ability for local areas to do their own plumbing plan review.

The last legislation Stone address was Act 820 (SB 564) which addresses active military, veterans, and their spouses being issued reciprocity licenses immediately. Rogers addressed this Act, stating that it attempts to address lengthy timeframes in some cases for reciprocity actions to complete.

NEW BUSINESS

Stone informed the Committee that the normal process of inviting the Arkansas Environmental Training Academy, the Arkansas Rural Water Association, the Arkansas Water Works and Water Environment Association and Arkansas Water and Wastewater Managers Association to provide nominations for an individual to fill Moren's position when his term ends June 30, 2019 had been followed. Stone indicated that one nominee had been received, which is Jeff Ford, Manager, Kimzey Regional Water District. (Update: Ford was appointed to the Committee at the Board of Health meeting April 25, 2019.)

Nutt addressed the June 2019 Water License Renewals. (Please see renewal related article in this Newsletter for latest renewal information.)

McAvoy and Nutt attended the ABC Conference January 8-11, 2019 in Savannah, Georgia. Nutt indicated he attended a Trainers Workshop the day before the conference started. He reiterated that this year's workshop, once again, had a focus on validating continuing education through organizations such as the

International Association for Continuing Education and Training (IACET). He noted that much of the present continuing education would not meet IACETT standards.

McAvoy provided a written ABC Report which included recommendations to the Committee. McAvoy's first recommendation addressed concerns about regulatory training not being required in each renewal cycle. He shared that during discussions at the conference about the loss of regulatory questions on the exams it was also discussed that regulatory training was not required as part of the ongoing continuing education process. Therefore, he recommended some type of mandatory regulatory training be included in each renewal cycle.

He reviewed his second recommendation which was concerns that operators should not be allowed to take license exams multiple times to finally pass, by implementing some type of control on the number of times an exam can be taken.

McAvoy's third recommendation was that license exams should be taken Grade 1 to Grade 4. His fourth recommendation was to investigate new software and advances in technology to track certification, training, and approved course work offered to operators, noting the desire to see these items better integrated in the Section's web pages.

McAvoy final recommendation was to investigate and approve free on-line training for renewal hours. He specifically mentioned CDC's new online fluoride training demonstrated at the conference.

Stone then discussed that the Water Operator Licensing Regulations were overdue for revisions and that McAvoy's recommendations should be considered. He indicated he first wished to address the possible legislative required regulation changes, which should not be controversial. After that is accomplished, then a second round of regulation review and changes could be implemented taking into consideration the Committee's desired changes.

COMMITTEE REPORTS

Stone reported the Section's budget was looking up with the recently passed fee increase, discussed earlier. He indicated that the new fees would allow the ADH Labs to move forward on PFAS and HAB analysis capability and to address concerns with bacti analysis and reporting. Stone then addressed how since he became Director of the program all federal funding continued to be same amount each year as the federal budget goes from one continuing resolution to another which means the program must be good stewards of the service fees funding and make the most of it.

Stone in his Program report noted the needs to meet the legislative items discussed earlier which will include regulation changes. He then discussed the tough time the Program was having with staffing. He noted for two years in a row the Program has suffered turnover of 25 to 30 percent each year, with this particular year being extra tough due to the loss of many long term, well trained staff due to retirement or family moves. He noted the program was having better luck hiring Environmental Specialists than it was engineers.

Nutt started his license update report by referencing the normally provided spreadsheet detailing exam performance information. He concluded that until an operator spends quality time with the actual reference books, their ability to pass the exams is limited. Rowe emphasized that he routinely has students that have not studied the references, and even more troubling, do not have access to the manuals. There was significant discussion about the many pitfalls to operators understanding they must study the references with a desire to know the materials and the need for all involved, managers, coworkers, trainers, etc., to equip/lead/assist them in this effort.

Nutt in his enforcement effort report provided a handout to the Committee detailing enforcement actions. He noted most on the list were in compliance and were just aging off and that there were a few systems struggling. Discussion followed about those systems and their revolving door of compliance and efforts being taken to protect public health in these systems.

In the General Program Update Nutt informed the Committee that the program was processing applications, exam results, and licenses, as quickly as possible. The program suffered through a large influx of exams in the last quarter of 2018, with 242 exams given that quarter, instead of a more normal 150 exams. He noted the program was still fully staffed and now had renewal on the horizon and the significant workload it always creates.

Rowe provided the Arkansas Environmental Training Academy's January through March 2019 training report handout that outlined all Academy training areas. He then focused on the Water training section in his report noting that they trained 343 students for 352 contact hours in 20 locations and that renewal training, which included direct and indirect credit, had 705 students for 1050 hours and 54 classes.

Sternberg provided an Arkansas Rural Water Association training report for January through March 2019. They had 10 courses with 160 direct course-training hours, with students attending a total 1052 student days.

OTHER BUSINESS

Rogers updated the Committee on the Department’s fluoridation efforts. Act 197 of 2011 mandated fluoridation. Rogers stated that 85% of the State’s population now had their PWS serving fluoridated water. The Department has two required systems not fluoridating. The Madison County RWD challenged the requirement in court and was not successful. The system is in the planning process for their fluoridation facilities. The Ozark Mountain RPWA also challenged the law in court and chose to appeal their ruling to the Arkansas Supreme Court.

Moren received a motion from McAvoy to hold the next meeting July 25, 2019, Benzing provided the second, and the Committee passed the motion.

Nutt presented Moren with a framed Thank You certificate from the Committee and thanked him for his 6 years of service to the Committee. Moren offered his personal thank you to the Committee for their support.

Moren with no additional business received an adjournment motion and adjourned the meeting.

SIGN UP for Source Water Protection ADH to Provide Drinking Water Protection Area Signs

Tyler Couch – GIS Specialist/EHS Source Water Protection



Source Water Protection is essential for securing quality, clean and healthy water sources to be utilized for drinking water. In the state of Arkansas, we are fortunate to have quality groundwater and surface water resources to provide water to its citizens with minimal treatment. However, our sources of drinking water cannot sustain themselves without the participation from those who live in the community of each drinking water source.

Protection of our drinking water sources is an issue to be addressed at the community level. This means that community members must be aware, educated and accountable to help protect our drinking water sources at a local level. Each municipality has resources available to them to aid in Source Water Protection including reports, maps, assistance with finding funding resources, establishing city/county ordinances and resolutions, development of emergency plans, and developing public outreach materials. These resources are completed in collaboration with ADH Source Water Protection staff. Each of these resources can be used as a tool for increasing public participation and to inform the community around each water source.

To increase public awareness of public drinking water sources, ADH-Engineering is now offering FREE DRINKING WATER PROTECTION AREA SIGNS to any public water system who fills out an application and contacts their local ARDOT district for placement of signs on major routes of travel. To receive an application for drinking water protection area signs, please contact Allie Cumnock at (501) 661-2703 or Allie.Cumnock@arkansas.gov.

WATER OPERATOR LICENSES ISSUED

April 1, 2019 through May 31, 2019

LICENSEE NAME	GRADE/TYPE	SYSTEM NAME
ASHWORTH MARTIN	D - IV	FAYETTEVILLE WATERWORKS
BURKMAN REBECCA	T - I	NO WATER SYSTEM OF RECORD
CARROLL CHRIS	T - I	MARVELL WATERWORKS & MARVELL RURAL WATER ASSOC
CRISLER TYLER	D - I	PECO FOODS
FORD CODY	D - IV	BENTON WATERWORKS
FORE CHRISTOPHER	D - III	HOPE WATER LIGHT COMM
HOLT WILLIAM	D - IV	CENTRAL ARKANSAS WATER
KELLEBREW JACOB	T - IV	HOT SPRINGS UTILITIES
LINDSEY CODY	T - I	POCAHONTAS WATERWORKS
MCMAHAN MICHAEL	D - I	EL DORADO WATERWORKS
SCHULTZ MARC	D - IV	CITY CORPORATION
SHIPMAN LORAN	D - I	BENTONVILLE WATER UTILITIES
TRAVERS PATRICK	T - II	WALDRON WATERWORKS
WALLACE GREGORY	D - II	HOT SPRINGS VILLAGE WATER
WALTERS BRANDON	D - IV	JACKSONVILLE WATERWORKS US AIR FORCE BASE LITTLE ROCK
WILLIAMS BYRON	D - III	HOPE WATER LIGHT COMM
WIMBISH WARD (issued 3/27/19)	T - I	WEST MEMPHIS WATERWORKS

NOTICE

The Arkansas Department of Health/Office of Oral Health has grant money available to upgrade old and outdated water fluoridation equipment. If you are interested, please send the following documents: engineering plans/schematic for engineering approval, a list of materials to be purchased for the project, and a letter of interest printed on municipal stationary. For more information, contact the director of the Office of Oral Health: Lindy Bollen, Jr., DDS
Lindy.Bollen@arkansas.gov
501.280.4111

Mandatory Training Course Schedule

Most Current Listing is at: www.healthy.arkansas.gov/eng/autoupdates/oper/mandtrngall.htm.

Please contact the course sponsor to register for course well in advance of course date.

WATER LICENSE EXAM SESSION NOT HELD END OF MOST COURSES.

Mandatory Course Name	Start Date	Ending Date	Time	CITY	LOCATION	SPONSOR
Basic Water Math	8/6/19	8/6/19	8:00 AM	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	ARWA
ADH PWS Compliance	8/7/19	8/7/19	8:00 AM	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	ARWA
Applied Water Math	8/8/19	8/8/19	8:00 AM	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	ARWA
Applied Water Math	8/12/19	8/25/19	TBD	Internet	http://www.sautech.edu/aeta/schedule.aspx	AETA
Basic Water Distribution	8/20/19	8/22/19	8:00 AM	Rogers	Rogers Water Utility, 521 South 2nd Street	AETA
Basic Water Math	8/27/19	8/27/19	8:00 AM	Greers Ferry	Community Water System, 299 Lakeshore Dr	AETA
Applied Water Math	8/28/19	8/28/19	8:00 AM	Greers Ferry	Community Water System, 299 Lakeshore Dr	AETA
ADH PWS Compliance	8/29/19	8/29/19	8:00 AM	Greers Ferry	Community Water System, 299 Lakeshore Dr	ADH
Advanced Treatment	9/3/19	9/5/18	8:00 AM	Little Rock	CAW Clearwater Complex, 11 Clearwater Dr	AETA
Basic Water Treatment	9/3/19	9/15/19	TBD	Internet	http://www.sautech.edu/aeta/schedule.aspx	AETA
Advanced Distribution	9/10/19	9/12/19	8:00 AM	Jonesboro	Operations Facility, 105 W Johnson Ave	AETA
Basic Water Distribution	9/16/19	9/29/19	TBD	Internet	http://www.sautech.edu/aeta/schedule.aspx	AETA
Basic Water Math	9/17/19	9/17/19	8:00 AM	Russellville	Tri-County Water, 5306 N Arkansas Ave	AETA
Applied Water Math	9/18/19	9/18/19	8:00 AM	Russellville	Tri-County Water, 5306 N Arkansas Ave	AETA
ADH PWS Compliance	9/19/19	9/19/19	8:00 AM	Russellville	Tri-County Water, 5306 N Arkansas Ave	ADH
Intermediate Distribution	9/24/19	9/26/19	8:00 AM	Fayetteville	Operations Center, 2435 S Industrial Dr	AETA
Basic Water Distribution	9/24/19	9/26/19	8:00 AM	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	ARWA
Intermediate Treatment	9/30/19	10/13/19	TBD	Internet	http://www.sautech.edu/aeta/schedule.aspx	AETA
Basic Water Math	10/1/19	10/1/19	8:00 AM	Little Rock	CAW Clearwater Complex, 11 Clearwater Dr	AETA
Applied Water Math	10/2/19	10/2/19	8:00 AM	Little Rock	CAW Clearwater Complex, 11 Clearwater Dr	AETA
ADH PWS Compliance	10/3/19	10/3/19	8:00 AM	Little Rock	CAW Clearwater Complex, 11 Clearwater Dr	ADH
Intermediate Distribution	10/14/19	10/27/19	TBD	Internet	http://www.sautech.edu/aeta/schedule.aspx	AETA
Advanced Distribution	10/15/19	10/17/19	8:00 AM	Rogers	Rogers Water Utility, 521 South 2nd Street	AETA
Basic Water Distribution	10/22/19	10/24/19	8:00 AM	Camden	AR Env Training Academy, 4615 Spellman Rd	AETA
Intermediate Treatment	10/22/19	10/24/19	8:00 AM	Bono	Contact ARWA for location	ARWA
Advanced Treatment	10/28/19	11/10/19	TBD	Internet	http://www.sautech.edu/aeta/schedule.aspx	AETA
Intermediate Distribution	11/5/19	11/7/19	8:00 AM	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	ARWA
Intermediate Treatment	10/29/19	10/31/19	8:00 AM	Russellville	Tri-County Water, 5306 N Arkansas Ave	AETA
Basic Water Math	11/5/19	11/5/19	8:00 AM	Jonesboro	Operations Facility, 105 W Johnson Ave	AETA
Applied Water Math	11/6/19	11/6/19	8:00 AM	Jonesboro	Operations Facility, 105 W Johnson Ave	AETA
ADH PWS Compliance	11/7/19	11/7/19	8:00 AM	Jonesboro	Operations Facility, 105 W. Johnson Ave.	ADH
Advanced Distribution	11/11/19	11/24/19	TBD	Internet	http://www.sautech.edu/aeta/schedule.aspx	AETA
Basic Water Treatment	11/12/19	11/14/19	8:00 AM	Little Rock	CAW Clearwater Complex, 11 Clearwater Dr	AETA
Intermediate Treatment	11/19/19	11/21/19	8:00 AM	Camden	Operations Facility, 105 W Johnson Ave	AETA
Advanced Treatment	11/19/19	11/21/19	8:00 AM	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	ARWA
Applied Water Math	12/2/19	12/15/19	TBD	Internet	http://www.sautech.edu/aeta/schedule.aspx	AETA
Basic Water Math	12/2/19	12/15/19	TBD	Internet	http://www.sautech.edu/aeta/schedule.aspx	AETA
Basic Math - Night Class	12/2/19	12/5/19	TBA	Little Rock	CAW Clearwater Complex, 11 Clearwater Drive	AETA
Basic Water Treatment	12/3/19	12/5/19	8:00 AM	Texarkana	Texarkana Water Utility, 801 Wood St.	AETA
Advanced Distribution	12/3/19	12/5/19	8:00 AM	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	ARWA
Basic Water Math	12/10/19	12/10/19	8:00 AM	Camden	AR Env Training Academy, 4615 Spellman Road	AETA
Applied Water Math	12/11/19	12/11/19	8:00 AM	Camden	AR Env Training Academy, 4615 Spellman Road	AETA
ADH PWS Compliance	12/12/19	12/12/19	8:00 AM	Camden	AR Env Training Academy, 4615 Spellman Rd	ADH

WATER OPERATOR LICENSE EXAMINATIONS SCHEDULE

The most current Exam Schedule is at: <http://www.healthy.arkansas.gov/eng/autoupdates/oper/operexam.htm>

You must register for the exam 45 days in advance. To register on the internet go to www.healthy.arkansas.gov/eng and click on Operator Certification, then select Register- Water License Exam. To register by e-mail provide name, license exam desired, exam session site, and exam date in an email addressed to ADH.Water.Licensing@arkansas.gov. You may register by phone with the Water Licensing Program at (501) 661-2623. Call (501) 661-2623, ask for Water Licensing Program.

Listed below are the dates and locations of examination sessions as scheduled, as of **April 3, 2019**. All Treatment and Distribution exam grades will be available at the sessions. Acceptable photo identification (Drivers License or equivalent) will be required to sit for an Exam. Cell phones, pagers and other electronic communication devices are not allowed. Non-Programmable calculators are allowed in exam sessions.

EXAM DATE	REGISTER DEADLINE	CITY	LOCATION	TIME
9/5/2019	7/22/2019	Mtn. Home	Baxter Co OEM Train Facility, 170 Dillard Dr, Midway	9:00 AM
9/6/2019	7/22/2019	Fayetteville	Fayetteville Operations Center, 2435 S Industrial Dr	9:00 AM
9/6/2019	7/22/2019	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	9:00 AM
9/13/2019	7/30/2019	Camden	AR Environmental Training Academy, 100 Carr Road	9:00 AM
9/13/2019	7/30/2019	Clarksville	CLW (Operations Bld) 710 East Main (Hwy 64 East)	9:00 AM
9/13/2019	7/30/2019	Jonesboro	Jonesboro CWL Office Training Rm, 400 E Monroe	9:00 AM
9/18/2019	8/4/2019	Hot Springs	ARWA Conference, HS Convention Center	9:00 AM
12/6/2019	10/22/2019	Fayetteville	Fayetteville Operations Center, 2435 S Industrial Dr	9:00 AM
12/6/2019	10/22/2019	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	9:00 AM
12/6/2019	10/22/2019	Nashville	Carter Day Center, 200 Lake Nichols Drive	9:00 AM
12/13/2019	10/29/2019	Camden	AR Environmental Training Academy, 100 Carr Road	9:00 AM
12/13/2019	10/29/2019	Clarksville	CLW (Operations Bld) 710 East Main (Hwy 64 East)	9:00 AM
12/13/2019	10/29/2019	Jonesboro	Jonesboro CWL Office Training Rm, 400 E Monroe	9:00 AM

The above exam session information is subject to change. You should confirm this information just prior to the scheduled examination period. Also, the latest and complete exam schedule information can be viewed on the Internet at: < <http://www.healthy.arkansas.gov/eng/autoupdates/oper/operexam.htm> >.

Remember, you must register for the exam 45 days in advance. Application for License is not registration for an exam

Please verify that your license application has been filed with this office and that the required exam fee for each exam has been paid. The license exams require significant preparation prior to sitting for the exam. The preparation must include extensive study utilizing the study guide and recommended reference manuals/materials. Credit for the mandatory Certification Training Courses must be obtained before taking an exam. Copies of your training documentation must be provided when registering for an exam or provide documentation of its attendance by the exam session.

Major Monitoring, MCL, Treatment Technique, & Licensing Violations

Community & Nontransient Noncommunity Public Water Systems, January March 2019

BELLEVILLE WATER	DBPR 1, 2,3	LONOKE WATERWORKS	Dmon 3
BELLEVILLE WATER	Dmon 3	LURTON-PELSOR WATER ASSN	Bmon 1
BLYTHEVILLE WATERWORKS	GWRmon 1	MAGNOLIA WATERWORKS	Bmon 1
BOIS D'ARC WATER SYSTEM	Bmon 2	MAGNOLIA WATERWORKS	DBPR1, 2, 3
BOIS D'ARC WATER SYSTEM	GWRmon 2	MAGNOLIA WATERWORKS	Dmon 1, 2, 3
BOWSER WATER ASSN	Bmon 3	MAGNOLIA WATERWORKS	Tmon 1, 2, 3
CALION WATERWORKS	Bmon 2	MCRAE WATERWORKS	OperLic 1
CAMPBELL STATION WATERWORKS	Bmon 2, 3	MCRAE WATERWORKS	Bmon 1
CAVE SPRINGS WATERWORKS	OperLic1,2,3	MCRAE WATERWORKS	Dmon 1
CAVE SPRNGS WATERWORKS	PN 1	MILLTOWN-WASHBURN WATER	DBPR1, 2, 3
CHERRY VALLEY WATERWORKS	GWRmon 3	MILLTOWN-WASHBURN WATER	Dmon 3
CHESTER WATERWORKS	Bmon 3	MONTGOMERY CO RPWA	DBPR1, 2, 3
CHIDESTER WATERWORKS	Bmon 2	MONTICELLO WATER DEPARTMENT	PN 2
CLARKEDALE-JERICHO WATER	Dmon 1	MONTICELLO WATER DEPARTMENT	Dmon 3
CORNING WATERWORKS	Bmon 2	MONTROSE/BOYDELL WATER	Dmon 1
COTTON PLANT WATERWORKS	Bmon 1, 2	MORO WATERWORKS	Bmon 2, 3
COTTON PLANT WATERWORKS	OperLic 2	MORO WATERWORKS	DBPR1, 2, 3
COVE WATERWOORKS	DBPR1, 2, 3	MOUNT IDA WATERWORKS	DBPR1, 2, 3
COY WATERWORKS	Dmon 2	MOUNT IDA WATERWORKS	Bmon 3
EAST MONROE CO WATER USERS	PN 12	MOUNTAIN DEVELOPMENT	IMCL 1, 2, 3
DERMOTT WATERWORKS	Bmon 2	MOUNTAIN PINE WATERWORKS	Dmon 2
EAST MONROE CO WATER USERS	PN 3	NE YELL COUNTY WATER ASSN	Bmon 2
EUDORA WATERWORKS	Bmon 1	NASHVILLE RURAL WATER	DBPR1, 2, 3
FOREMAN WATERWORKS	DBPR1, 2, 3	NEW LONDON WATER ASSN	DBPR1, 2, 3
FRENCHPORT WATER ASSN	Bmon 2, 3	NEW LONDON WATER ASSN	PN 3
GARRETT BRIDGE WATER ASSN	Bmon 1, 2, 3	NORTH HOWARD RWA	DBPR1, 2, 3
GATEWAY PUBLIC WATER	Bmon 1	NORTH HOWARD RWA	Dmon 3
GREENWICH CENTER	Bmon 2	NORTHERN OHIO WATER ASSN	PN 3
GUM SPRINGS MUNICIPLE WU	Dmon 3	NOWCO PFB	OperLic 1
HATFIELD WATERWORKS	DBPR1, 2, 3	OGDEN WATERWORKS	Bmon 2
HEAFER-BLACK OAK WATER ASSN	PN 3	ODEN-PENCIL BLUFF WATER ASSN	Bmon 2, 3
HICKORY RIDGE WATERWORKS	Bmon 1	ODEN-PENCIL BLUFF WATER ASSN	DBPR1, 2, 3
HOPE WATER AND LIGHT COMM	DBPR1, 2, 3	OLD BELLA VISTA POA	DBPR1, 2, 3
HORSESHOE LAKE UTILITIES	Bmon 2	OLD UNION WATER ASSN	DBPR1, 2, 3
HOT SPRINGS UTILITIES	DBPR1, 2, 3	PERRYVILLE WATERWORKS	Tmon 1
HUGHES COMMUNITY WATER ASSN	Dmon 2	PICKENS WATERWORKS	Bmon 2, 3
HUMNOKE WATERWORKS	OperLic 1	PLEASANT VIEW WFB	Bmon 1, 2
HUMNOKE WATERWORKS	Bmon 1	RAMBO WATER DISTRICT #1 INC	IMCL 1, 2, 3
HUMPHREY WATERWORKS	Bmon 1, 2, 3	RIVIERA UTILITIES	DBPR1, 2, 3
HUNTINGTON WATERWORKS	DBPR1, 2, 3	SELMA WATER ASSN	Bmon 3
HWY 64 WATER ASSN	PN 3	SE WHITE COUNTY WATER ASSN	Bmon 2
JOHNSON TWP WATER ASSN	DBPR1, 2, 3	SIDNEY WATER SYSTEM	Bmon 1
JOHNSON TWP WATER ASSN	PN 3	SOUTH PIKE COUNTY WATER	DBPR1, 2, 3
LAKESIDE WATER ASSN	DBPR1, 2, 3	SOUTHWEST ARKANSAS WS	DBPR1, 2, 3
LEE COUNTY WATER ASSN	Bmon 3	STEPHENS WATERWORKS	Bmon 3
LEE COUNTY WATER ASSN	DPBR1, 2, 3	SYLAMORE VALLEY WATER ASSN	Bmon 2, 3
LEE COUNTY WATER ASSN	Dmon 3	ULM WATERWORKS	Bmon 1
LEE COUNTY WATER ASSN	PN 3	UNITED WATER ASSN	DBPR1, 2, 3
LITTLE RIVER CO RDA	DBPR 1, 2, 3	UNITED WATER ASSN	PN 1, 3

VANDERVOORT WATERWORKS	Bmon 2
VANDERVOORT WATERWORKS	PN 3
WABBESEKA WATERWORKS	Lic 1,2,3
WABBESEKA WATERWORKS	Bmon 1, 2
WASHINGTON WATER AUTHORITY	DBPR1, 2, 3
WASHINGTON WATER AUTHORITY	PN 3
WESTERN GROVE MUNICIPAL	Bmon 2
WHEATLEY WATERWORKS	Bmon 1
WICKES WATERWORKS	DBPR 1, 2, 3
WINTHROP WATER ASSN	DBPR 1, 2, 3

KEY: Bmon = Bacti Monitoring; BMCL = Bacti MCL; CCR = Consumer Confidence Rule; Dmon = Disinfection By Product Rule Monitoring; DBPR=Disinfection By Product Rule MCL or Treatment Technique; GWRMCL=GWR Treatment Technique; GWRmon= GWR Monitoring or Reporting; PN = Public Notice Rule Tmon = SWTR Major Monitoring; TMCL = SWTR Treatment Technique; SWTR= Various SWTR requirements; Failure to Filter; RMCL = Radiochemical MCL; FMCL = Fluoride MCL; IMCL=Inorganic Chemical MCL; SMCL = Synthetic Chemical MCL; OperLic = Operator Licensing; 1 = Jan. 2019, 2 = Feb. 2019, 3 = Mar.. 2019

**Arkansas Rural Water Association
Annual Technical Conference & Exhibition
September 16 - 18, 2019 – Hot Springs Convention Center – Hot Springs, Arkansas**
www.arkansasruralwater.org

The conference consists of two (2) full days of training. Each day has four (4) training sessions with multiple concurrent training topics offered each session. An exhibit hall with a wide selection of water industry related companies displaying their latest and best products is available. The conference is approved for up to 16 contact hours of directly applicable water license training credit. The Conference will track attendance credit hours by scanning your conference badge barcode at stations Monday and Tuesday with a morning and afternoon scan. You must scan each morning and afternoon to receive full credit.

No mandatory water training courses for exam purposes are offered during this conference. License Exams scheduled Wednesday September 18, 2019 at 9:00 am in the convention center.

**American Water Works Association
Southwest Section Annual Meeting
October 20-22, 2019 – Chateau on the Lake Convention Center – Branson, MO**
www.swawwa.org

The conference consists of two (2) full days of training. Each day has six (6) training sessions with multiple concurrent training topics offered each session. An exhibit hall with a wide selection of water industry related companies displaying their latest and best products. The conference is approved for up to 16 contact hours of directly applicable water license training credit is available. No mandatory water training courses for exam purposes or license exams are available.

Return Service Requested

PRINTED ON RECYCLED PAPER

AWW&WEA District Meetings

See also the Division's web site www.healthyearkansas.com/eng/ for updates.

DATE	TIME	CITY	LOCATION	SPONSOR
August 2019				
1	5:30 PM	TBA		Central District, AWW&WEA
1	5:30 PM	Fort Smith	Western Sizzlin	Western District, AWW&WEA
8	5:00 PM	Des Arc	Dondies	Eastern District, AWW&WEA
8	6:00 PM	Russellville	Western Sizzlin	AR Valley District, AWW&WEA
14	8:30 AM	Siloam Springs	Community Hall	Northwest District, AWW&WEA
14	5:00 PM	Pleasant Plains	Tadpole's Catfish Barn	North Central District, AWW&WEA
15	12:30 PM	Paragould	Grecian Steakhouse	Northeast District, AWW&WEA
20	6:00 PM	Watson Chapel	Leons	Southeast District, AWW&WEA
22	6:00 PM	Prescott	Casa Carlos	Southwest District, AWW&WEA
September 2019				
5	5:30 PM	TBA		Central District, AWW&WEA
5	5:30 PM	Fort Smith	Western Sizzlin	Western District, AWW&WEA
11	8:30 AM	Springdale	Robinson Ave. Church of Christ	Northwest District, AWW&WEA
12	6:00 PM	Caldwell	Catfish Island	Eastern Central District, AWW&WEA
12	5:00 PM	Pleasant Plains	Tadpole's Catfish Barn	North Central District, AWW&WEA
12	6:00 PM	Russellville	Western Sizzlin	AR Valley District, AWW&WEA
17	6:00 PM	McGehee	Hoots BBQ	Southeast District, AWW&WEA
19	12:30 PM	Jonesboro	Western Sizzlin	Northeast District, AWW&WEA
26	6:00 PM	East Camden	SAU Tech Student Ctr.	Southwest District, AWW&WEA
October 2019				
3	5:30 PM	TBA		Central District, AWW&WEA
3	5:30 PM	Fort Smith	Western Sizzlin	Western District, AWW&WEA
9	8:30 AM	Eureka Springs	Best Western Inn	Northwest District, AWW&WEA
10	5:30 PM	West Memphis	Utility Office	Eastern District, AWW&WEA
10	6:00 PM	Russellville	Western Sizzlin	AR Valley District, AWW&WEA
11	5:00 PM	Pleasant Plains	Tadpole's Catfish Barn	North Central District, AWW&WEA
15	6:00 PM	Monticello	Western Sizzlin	Southeast District, AWW&WEA
17	12:30 PM	Lake City	Win Water	Northeast District, AWW&WEA
24	6:00 PM	Waldo	CW Easter Foundation Bldg.	Southwest District, AWW&WEA