



ARKANSAS DRINKING WATER UPDATE

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EPA Will Not Regulate Perchlorate in Drinking Water

Jeff Stone, P.E., Director

On June 18, 2020, the U.S. Environmental Protection Agency (EPA) issued final action on perchlorate indicating that perchlorate does not meet the criteria for regulation as a drinking water contaminant under the Safe Drinking Water Act (SDWA). This action is a change from the previous (2011) EPA determination to regulate perchlorate in drinking water.

In this action announced June 18, EPA indicates that "...perchlorate is not found in drinking water with a frequency and at levels of public health concern to support a meaningful opportunity for health risk reduction through a national perchlorate drinking water regulation." In a related action, during May 2020 EPA issued a document titled "Reductions of Perchlorate in Drinking Water" that indicated that perchlorate levels in drinking water have declined since 2011 when the original determination to regulate was made.

EPA indicates that perchlorate occurs naturally in arid states in the Southwest United States and in potash ore in the United States. Perchlorate has been manufactured in the United States for various purposes that include rocket propellant. Perchlorate has been found in some drinking water supplies and in food. Perchlorate can also develop in hypochlorite supplies as they age and decompose. The use of hypochlorites (bleach) for disinfection is common in public water systems.

Perchlorate is a health concern because it can disrupt the normal function of the thyroid gland in both children and adults. In fetuses and infants, thyroid hormones are critical for normal growth and development of the central nervous system. Perchlorate can interfere with the human body's ability to absorb iodine into the thyroid gland which is a critical element in the production of thyroid hormones.

Currently, the long-term health advisory level for perchlorate in drinking water is 15 ppb.

Although public water systems will not be required to monitor for perchlorate nor comply with a regulatory limit, it is nevertheless important for water systems to properly manage their hypochlorite supplies to minimize the formation of perchlorate in the hypochlorites that they use.

The American Water Works Association (AWWA) has issued a standard for hypochlorites (including bleach) used by drinking water systems. AWWA Standard B300 Hypochlorites also contains Appendix A Recommendations for the Handling and Storage of Hypochlorite Solutions so that formation of perchlorate and bromate during aging and decomposition can be minimized. Those recommendations are:

- 1) Dilute stored hypochlorite solutions upon delivery.
- 2) Store the hypochlorite solutions at lower temperatures.
- 3) Control the pH of stored hypochlorite solutions at pH 11-13 even after dilution.
- 4) Control the removal of transition metal ions by purchasing filtered hypochlorite solutions and by using low metal ion concentration feedwater for the OSG (on-site generation) systems and dilution water.
- 5) Use fresh hypochlorite solutions when possible.
- 6) For utilities using OSG (on-site generation) hypochlorite, use low bromide salt to minimize the amount of bromide present in the brine.

For most small water systems using common bleach, the most practical methods for minimizing perchlorate formation will be to avoid long term storage of bleach in warm environments. Buying bleach in very large quantities and storing for long periods is not recommended.

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Beaver Water District's Pandemic Response

By Amy Wilson, Public Affairs Director, BWD

Crisis response took on a whole new meaning for all water utilities throughout Arkansas a few months ago. Fortunately, Beaver Water District (BWD) had an H1N1 Influenza pandemic plan that we could immediately adapt to respond specifically to the problem at hand – the threat of a new virus dubbed COVID-19 or “the coronavirus.”

CEO Lane Crider had been monitoring the trajectory of the virus through various outlets and had prepared himself and his team for what might be coming. In addition to being CEO of BWD, Crider is an appointed member of the Arkansas State Board of Health.

In late February, BWD initiated its Pandemic Operations and Business Continuity Plan. This led to the onsite housing of critical staff, sending other staff to work remotely from home, closing the plant site to all visitors, and creating messaging for staff and for the public so they would be informed. In a matter of days, BWD had a news release out to local media, as well as a 30-second video message and fact sheet posted on its website. The same information was shared across digital and traditional media channels. In addition, Crider conducted interviews with several outlets, including two radio stations and a television news station (remotely to maintain social distancing protocol).

The core message included two major points: BWD would meet its mission and continue to provide clean, safe drinking water to its customers. BWD uses two powerful disinfectants that kill Covid-19, which is one of many types of coronavirus.

In his first memo to the entire staff on March 11, Crider led with the importance of staffers' health as well as keeping the District's operation running.

“Providing safe drinking water is essential for public health and it is our responsibility to provide it to our customers,” he wrote. “At this time, all our employees should be aware of the symptoms and take necessary precautions to prevent infection.”

Crider provided a bulleted list of the known guidelines at the time, according to the Centers for Disease Control (CDC), the World Health Organization (WHO), and the Arkansas Department of Health (ADH). He informed employees that BWD had an ample supply of hand-washing facilities and sanitizer on hand. With his team of managers and supervisors, including the Human Resources Director (HR), meaningful information, from how to handwash properly to how to behave in common

areas, was posted on bulletin boards and restroom facilities throughout the campus.

Just as important though, our CEO recognized that the topic of sick leave, work from home and sick family members needed to be addressed from the very beginning. Workers need to know that their utility cared and would be in lockstep with them all along the way. In BWD's case, there's no doubt that this has been and continues to be true.

To that end, Crider not only communicated regularly with staff at least weekly via email or video/text messaging, he also had his team of managers and supervisors doing the same.

So how do operations occur during non-pandemic times and what has changed?

To find out more, I visited with Jesse Burch, the BWD's Operations Supervisor.

He said that under normal circumstances, eight water operators work two-person, rotating 12-hour shifts in three- to four-day segments and four relief operators work 7 a.m. to 3:30 p.m. Water operators perform tasks such as monitoring customer city water tanks, making pump changes to assure adequate water supply, unloading chemicals, inspecting facilities, and running routine water quality analysis every four hours.

“To adapt to the pandemic so that we could ensure we protected our employees' health and safety as well as safeguarding the production of safe, clean drinking water,” Burch said, “we put specific protocols in place beginning March 19.”

These included health screening upon entry to the plant, filling out a detailed checklist, temperature checks, and issuing an N95 mask to each operator.

The pandemic schedule meant four operators worked two-person rotating 12-hour shifts for seven days. Operators slept on District grounds overnight instead of going home. (BWD had provision for overnight stays, such as cots and bedding,) Kayla Mhoon, BWD Executive Assistant, managed laundry and food provisions.

After seven days, each four-person group was relieved by the next set of operators who had been home self-isolating.

“On May 14, we resumed operating on our usual schedule while continuing measures such as screening on entering, social distancing, weekly commercial disinfection of facilities, and the wearing of N95 masks when working closely with another staffer or wearing cloth masks that were distributed to all employees on campus,” Burch said.

At the time of this writing, Operations staff continue to be separated from a single common workspace to different workspaces in separate

buildings, which helps to ensure employees don't overlap with one another.

"Though it was a stressful time working extended days, with the added stress of being away from their families during such an unsettling time, our water plant operators rose to the challenge," Burch said.

In addition to Operations staff, BWD Maintenance and Electrical/Instrumentation staff also worked onsite for the first seven-day period. These two departments, along with Environmental and Laboratory staff then worked rotating, seven-day shifts at half-staff levels with remaining staff isolated at home in reserve. "It was, and continues to be, an exceptional effort by everyone at the District," said Crider.

Consistency is key in a pandemic response plan. That is illustrated by the ongoing pandemic policy guidelines observed by all staff at BWD:

- Continue to practice social distancing, maintaining where possible a minimum distance of 6 feet at all times from other District employees or any outside vendor or contractor on site.
- Wear face masks when moving around the plant facilities or whenever distancing is not possible. All Operations staff shall continue to self-screen prior to beginning each shift and will be required to fill out the Activity Questionnaire and Health Screening form each day.
- All Maintenance and E&I staff shall continue with the current daily screening, lunch, and break plans. You will be expected to continue practicing social distancing and wear face masks when distancing is not possible.
- The Administration Building will continue to be closed to the public until further notice. Any request for third-party access must receive prior approval.
- The current "Direction of Travel" restrictions will remain place to limit contact in the narrow hallways at TSB (Technical Services Building), along with one-person occupancy restrictions for the tables in the breakrooms at TSB, Maintenance, and Admin. Staff will be expected to wipe down any table and/or surface, used during lunches, breaks, or for other purpose.
- Plant Facilities will continue to be disinfected on a weekly basis by an industrial cleaning contractor.
- Routinely disinfect your work area, including your keyboard, mouse, cell phone, desk, etc.
- Masks are to be used any time you are moving around the plant site with the potential to come in close contact with another person.
- Remember to wash and sanitize your cloth face masks on a regular basis.

In his most current memo to the staff, as of this writing (June 12, 2020), Crider said, "We're in it

for the long-haul folks ... there's no other way to put it. However, we have been very blessed thus far and I certainly hope to keep it that way. Thank you for your hard work, your commitment to the District, and your vigilance during this pandemic."

For more information, visit the Beaver Water District's website at <http://www.bwdh2o.org>.

Important COVID-19 Announcement from the BWD Team

PUBLISHED: MARCH 17, 2020



Out of an abundance of caution and in accordance with recommendations from the Governor's office, the Arkansas Department of Health (ADH), and the Centers for Disease Control (CDC), all Beaver Water District facilities are closed to the public until further notice. First and foremost, the District will continue to provide safe, clean drinking water to its customers. For up-to-date information on the Coronavirus (COVID-19) visit the [CDC](https://www.cdc.gov) and the [ADH](https://www.adh.gov) websites.



Beaver Water District

FACT SHEET COVID-19 (Coronavirus)



- Beaver Water District will continue to provide uninterrupted delivery of safe, clean drinking water to our customers during the COVID-19 pandemic. There is no need to purchase bottled water or add extra filtration. Our drinking water source is Beaver Lake.
- Beaver Water District's Administration and Education Center is closed to the public until further notice, in accordance with recommendations from the Governor's office, the Arkansas Department of Health (ADH), and the Centers for Disease Control (CDC).
- Beaver Water District has a Pandemic Response Plan in place to address any issues that might arise internally with regard to insuring the uninterrupted delivery of safe drinking water to our customers. Beaver Water District is following all recommendations for protection of staff during this pandemic. We encourage you to also take all the precautions and directives regarding limiting exposure to COVID-19, such as frequent handwashing with soap and water, avoiding crowds, and social distancing.
- Beaver Water District uses two powerful disinfectants that kill Covid-19, which is one of many types of coronavirus.
- Existing World Health Organization (WHO) guidance on safe management of drinking water states that "extra measures are not needed. Disinfection, in particular, will facilitate more rapid die-off of COVID-19 virus." There is no evidence on the survival of COVID-19 virus in drinking water. (Source: <https://www.who.int/publications-detail/water-sanitation-hygiene-and-waste-management-for-covid-19>)
- For regular updates on the COVID-19 (Coronavirus), visit the Centers for Disease Control: <https://www.cdc.gov/coronavirus/2019-ncov/cases-in-us.html> and the Arkansas Department of Health: <https://www.healthy.arkansas.gov/>

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About Beaver Water District
Beaver Water District supplies drinking water to people and industries in Fayetteville, Springdale, Rogers, Bentonville and surrounding areas. These cities then resell the water to surrounding towns and communities. The District's mission is to serve our customers' needs by providing high quality drinking water that meets or exceeds all regulatory requirements and is economically priced consistent with our quality standards.
For more information, visit www.bwdh2o.org

Amy Wilson has been Director of Public Affairs for Beaver Water District for more than 15 years. Her experience includes business communications and journalism. She has a B.A. and M.A. in English from the University of Arkansas at Fayetteville.

Arkansas Virtual Emergency Response Plan Workshop September 30, 2020

Jatin H. Mistry, U.S. EPA, Region 6

The United States Environmental Protection Agency (EPA) in partnership with the Arkansas Department of Health and the Arkansas Rural Water Association are sponsoring a free one-day virtual workshop to assist community drinking water systems (CWSs) with developing or updating Emergency Response Plans (ERPs) in accordance with America's Water Infrastructure Act of 2018 (AWIA) Section 2013(b).

This virtual workshop will provide a broad overview of the requirements and the new EPA ERP Template and Instructions that will assist water utilities with developing an ERP. The workshop will also provide more detailed information on specific response areas such as power outage and cyber security among others.

Who Should Attend: While this virtual workshop is designed for CWSs serving greater than 3,300 people, all CWSs, as well as vendors and consultants, especially those who were assisting CWSs in achieving the requirements of AWIA Section 2013, are welcome to attend.

Registration Information: This one-day free virtual workshop will take place on Wednesday, September 30, 2020. Arkansas drinking water operators virtually attending will be eligible to receive Direct Credit hours. The registration link for this event is shown below.

Arkansas Virtual Emergency Response Plan
Workshop
Wednesday, September 30, 2020
8 AM to 4 PM
Registration Link:
https://epa_erp_arkansas.eventbrite.com

For additional information on this virtual workshop, please contact: Jeff Fencil, EPA, 202-564-0818, Fencil.jeffrey@epa.gov or Will Keefer, Horsley Witten Group, 508-833-6600, wkeefe@horsleywitten.com.

Please note that the certification for the ERP is no later than 6 months after the completion of the risk assessment. The certification due dates for the ERP is as follows for the population served:

- ≥100,000 = September 30, 2020
- 50,000-99,999 = June 30, 2021
- 3,301-49,999 = December 31, 2021

Each CWS with an individual Public Water System Identification Number (PWSID) must certify to EPA that the CWS has completed the ERP. There is no need to send the actual ERP to EPA. All that is required is the name of the CWS, date of completion, and a statement of completion.

EPA is providing three options for the submission of the certification. The options are as follows:

- Regular US Mail
- Email
- Secure online portal

The U.S. EPA strongly recommends CWS to electronically submit their water system's certification statement. This will be the only reporting method where the U.S. EPA will be able to provide an acknowledgement of receipt of the CWS's certification statement, as well as providing a simple process to address the return or destruction of the vulnerability assessment CWS likely submitted to the U.S. EPA under the Public Health Security and Bioterrorism Preparedness and Response Act of 2002. If a CWS has specific questions regarding the electronic certification process, call EPA's Help Desk at 888-890-1995 (Option 2), all other inquiries can be emailed to U.S. EPA at dwresilience@epa.gov.

NOTE: The certification due date for the risk assessment for community water systems greater than 100,000 in population was due on March 31, 2020. If your water system missed the March 31, 2020, due date, the U.S. EPA strongly recommends that the water system complete the assessment as soon as possible and electronically submit its CWS certification statements. A tutorial video of how to electronically certify can be accessed [here](#). Please have the PWSID number available before beginning the certification process. The water system may certify the risk and resilience assessment electronically by clicking [here](#). If you need assistance or have any questions, please email dwresilience@epa.gov

As a reminder, the certification due dates for the risk assessment is as follows for the population served:

- ≥100,000 = **March 31, 2020 (Now Past Due)**
- 50,000-99,999 = December 31, 2020
- 3,301-49,999 = June 30, 2021

For additional information, please visit the following website:

<https://www.epa.gov/waterresilience/americas-water-infrastructure-act-2018-risk-assessments-and-emergency-response-plans>

Annual Compliance Report Available

Jeff Stone, P.E., Director

The Engineering Section has completed the Annual Compliance Report (ACR) pertaining to calendar year 2019. 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	3,017,804
Arkansans Served by Public Water	95.7 %
Community Public Water Systems	687
Transient, Non-Community PWSs	336
Non-Transient, Non-Community PWSs	35
Monitoring Compliance	99.9 %
SDWA Water Quality Compliance	97.2 %
Overall SDWA Compliance	97.1 %

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 97.1% for 2019 is almost the same as the 2018 level of 97.0%.

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.

Appointments to Water License Committee

On April 23, 2020, the State Board of Health appointed two members to the Arkansas Drinking Water Advisory and Operator Licensing Committee to fill vacancies on the Committee.



The first appointment is Sharon Sweeney, Compliance Manager at Central Arkansas Water, to fill one of the four operator positions on the Committee. Her background with Central Arkansas Water from Water Treatment Plant Operator to Compliance Manager will allow her to be a valued member of the Committee. The

appointment term ends June 30, 2026.



The second appointment is Larry Lloyd, P.E., BCEE, University of Arkansas, School of Engineering, to fill the Committee position of an engineer on the teaching staff of any state-supported institution of higher education. His background in the drinking

water industry, as the recently retired Chief Operating Officer of Beaver Water District and as an instructor of engineering courses for the U of A, will allow him to be a valued member of the Committee. The appointment term ends June 30, 2022.

Nominations, for the first appointment were requested from the Arkansas Water and Wastewater Managers Association, Arkansas Rural Water Association, Arkansas Water Works and Water Environment Association, and the Arkansas Environmental Training Academy Advisory Board.

Nominations, for the second appointment were requested from the above industry groups, the University of Arkansas, and Arkansas State University.

The Committee thanks Bradley Sheffler and Lashun Massey, Ph.D, P.E. for their service to the Committee.

The Committee advises the Department of Health and its Engineering Section on matters affecting Public Water Systems and the administration of the Water Operator Licensing Program.

COVID-19 Pandemic

Operator Renewal and Mandatory Training Response

By: Martin Nutt, Training and Certification Officer

The COVID-19 pandemic is impacting the everyday work life of operator as they stay focused on their most critical mission of maintaining a safe water supply. Meeting this critical mission means a water system's licensing efforts may need to use training alternatives.

Alternative methods to meet the mandatory training requirements are available. The Licensing Program has approved the traditional mandatory exam courses in an on-line concept through the Arkansas Environmental Training Academy, except for the PWS Compliance Course. AETA is presently offering all 8 courses on-line each month. Another alternate method to meet the requirement for any distribution exam is the combination of completing of CSUS Office of Water Programs *Water Distribution System O&M and Small Water System O&M* correspondence courses plus Applied Water Math (where required) and the ADH Water Compliance Course. For any treatment exam, completion of *CSUS Water Treatment Plant Operation, Volume I and Water Treatment Plant Operation, Volume II* plus Applied Water Math (where required) and the ADH Water Compliance Course. Please see this website www.healthy.arkansas.gov/water-license for more detailed information on online courses and alternate ways to meet the training requirements. Licensing training needs can be met by the above methods or when in-person training courses return.

On June 19, 2020, when this article was written, training organizations were planning to reopen classes. Arkansas Rural Water Association and Arkansas Environmental Training Academy are planning to open in-person training beginning July 1, 2020. The pandemic response is reducing classroom seating capacity requiring course registration to guarantee an available seat for the class. Also, some course locations may be changed to accommodate the class size. At least one AWW&WEA District, the North Central District, has returned to meeting. However, during the pandemic many mandatory license exam courses, renewal hour training courses, and conferences were cancelled. This has had a significant impact on available training, with reduced availability into the foreseeable future.

The Program is doing all it can to embrace computer/internet/other alternate methods to meet renewal training needs, such as: the above correspondence courses, on-line training courses, webinars and virtual training sessions. The pandemic has created an opportunity for trainers and industry service providers to bring their educational venues into your office, plant, or family room. The training is typically first rate, some have sought out License Program approvals which have been granted. This website can be of assistance:

<https://www.healthy.arkansas.gov/eng/autoupdates/oper/opcertlinks.htm>.

It has a link to known approved renewal training and there are other links to on-line providers of approved training. However, much of the on-line training is provided by non-profit associations, government institutions, and private companies with multi-state or international focus. These providers leave it to the individual viewing the training to seek out their own attendance credit. It is not possible for the License Program to pre-approve all this training prior to its presentation. If you choose to attend this not previously approved type of training the burden of proving attendance falls on you. When possible, watch it with other operators, or with your supervisor's oversight, so someone can vouch for your attendance. Keep copies of the course completion certificates for use at renewal. Expect to be asked to submit the certificates with some attendance documentation/statement to be included.

Also, as renewal training returns, needed renewal hours should be obtainable by June 30, 2021. The Program has and will encourage trainer providers to consider stepping up their renewal training to fill the void created by the pandemic. The renewal requirements allow an extra 90 day grace period, until September 30, 2021, after the license expires to make-up hours and the license still be considered active. You also have until June 30, 2022 to reinstate the 2021 expired license without being required to take an exam.

COVID-19 Pandemic

Water License Exams Response

By: Martin Nutt, Training and Certification Officer

License exam availability steps have been taken to mitigate the effects of the COVID-19 (Coronavirus) pandemic. License exam sessions remain available for those that meet the training requirements. **Computer based exams** continue to be offered by the contract exam vender PSI Services, most exam center sites, but not all, are open, as of June 19, 2020. From “The Obtain a Water-License” website: www.healthy.arkansas.gov/water-license, Step 5, has information on utilizing computer-based license exams. There is additional cost to taking computer-based exam (\$69.00). **Paper-based exam sessions** are scheduled in September and December 2020, but subject to change. To sit for any license exam, paper or computer, requires documenting that you meet the mandatory course requirements, filing of an application, and paying required fees. The exam is scheduled or requested at this website: https://health.arkansas.gov/wa_engTraining/ExamType.aspx.

Should mandatory courses be needed, please see related article “COVID-19 Pandemic Operator Renewal and Mandatory Training Response” in this newsletter edition. Also, the above “Obtain a Water License” website, Step 3, provides more information on online courses and alternate ways to meet the mandatory training requirements.

The Engineering Section is taking the pandemic into consideration when determining licensing requirement compliance. Water systems are doing an excellent job of meeting the critical need to deliver safe water utilizing existing licensed operators while, in many cases, more closely supervising additional unlicensed staff.

Flushing Guidance for Buildings (Low Occupancy)

Jeff Stone, P.E., Director

During the response to the pandemic, many commercial businesses/properties have been empty or have had low occupancy for an extended period. When these businesses reopen, it is important that they flush their plumbing to ensure workers are provided with safe drinking water and not water that has become stagnant in the plumbing. Stagnant water in plumbing can have increased levels of metals as the result of corrosion and possibly bacteriological growths that occurred after chlorine residuals dissipated. The water systems can assist their commercial customers by reminding them of the need to flush the plumbing after periods of low occupancy.

The Arkansas Department of Health has provided on its website an informational one page document that addresses this issue and can be used by water systems as a handout to water systems customers. That document can be found and downloaded here [https://www.healthy.arkansas.gov/images/uploads/pdf/Guidance for Flushing for Commercial Buildings 1.pdf](https://www.healthy.arkansas.gov/images/uploads/pdf/Guidance%20for%20Flushing%20for%20Commercial%20Buildings%201.pdf)

The document also contains an internet link to a guidance document that describes methods to flush plumbing which will minimize exposure to bacteriological pathogens that might have built up in the stagnant water in the plumbing. That document is titled “Reducing Risk to Staff Flushing Buildings” and can be found here https://esprinstitute.org/wp-content/uploads/2020/05/FINAL_Reducing-Risk-to-Staff-Flushing-Buildings-20200501.pdf

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 January 9, 2020.

Members present:

Aaron Benzing, P.E., Chair, Hawkins Weir Engineers (2021)
Scott Boggs, Chair Elect, Searcy Board of Water Utilities (2023)
Jeff Stone, P.E., Executive Secretary, ADH

Department of Health (ADH) Staff & Guests present:

Reginald Rogers, Attorney, ADH
Brian Nichols, Administrative Law Judge, ADH
Ida L Hampton, Administrative Specialist, ADH
Jeremy Rowe, Water Training Coordinator, AETA

Lance McAvoy, Fort Smith Utility (2024)
Jeff Ford, Kimzey Regional Water District (2025)

Charles Thompson, Managing Attorney, ADH
Martin Nutt, Training and Cert Officer, ADH
Randy Harper, Director, AR Environmental Training Academy
Jim Philipp, Training Specialist, AR Rural Water Association

Benzing called the meeting to order and welcomed all present to the Committee meeting. Nutt announced that Chair Elect, Massey, had accepted a position with University of Texas at Dallas and resigned from the Committee. The Committee held an election for Chair Elect, electing Boggs as Chair Elect. The Committee approved the July 25, 2019 meeting minutes and noted that the October 10, 2019 meeting was cancelled.

OLD BUSINESS

Nutt reported the Rules Pertaining to Water Operator Licensing were legislatively required and were in reference to the license reciprocity process and criminal history review requirements with certain crimes under certain conditions preventing licensure. The Rules have been through the public comment and public hearing process with the only comments received requesting clarification of the requirements. The Rules are for an occupational license and have additional Rule review requirements and are awaiting completion of reviews by several Executive and Legislative Committees.

Nutt updated the Committee on the 2019 license renewal, noting this was the Committee's first meeting since the renewal grace period ended September 30, 2019. The nonrenewed licenses are lapsed and invalid after the grace period ended. He noted operators do have until June 30, 2020 to re-instate the license without being required to take the license exam. He stated this renewal's non-renew numbers were like past renewals with approximately 250 operators not renewed at this time, leaving approximately 2300 license holders.

NEW BUSINESS

Nutt informed the Committee that the Association of Boards of Certification had

released 2019 water distribution and water treatment exam versions, in December 2019. The 2019 exams are based on the same Needs to Know Criteria as the presently used exams. He stated the present exams are not showing signs of exhaustion or other need to immediately move to the new exam versions. Discussion followed on pro and cons of converting. The Committee asked to be advised when a change in exam versions was needed.

Nutt provided the Committee with copies of the 2020 mandatory training schedule, noting that training levels were similar to last year's schedule and any significant schedule conflicts had been worked out through the cooperation of AETA and ARWA.

Nutt provided the Committee with copies of the 2020 paper exam schedule and noted he continued using the same quarterly locations and times. He reminded the Committee that computer-based exams were also available on a more on-demand concept. He did note that the 2020 schedule did have an added exam session on Thursday in Rogers before each Fayetteville Friday exam session due to the volume of exams at the Fayetteville location.

COMMITTEE REPORTS

Stone in his Section Director's Report reported the Section's budget was meeting needs. The recently passed fee increase should provide funds to meet the upcoming USEPA Unregulated Contaminant Monitoring Rule, number 5 (UCMR5) monitoring costs, and the Revised Lead and Copper Rule's increased monitoring costs when they are finalized. The ADH Public Health Lab plans to develop the capability to perform PFAS analysis and Cyanotoxins analysis.

Stone noted in his Program Report the Revised Lead and Copper Rule when finalized will likely require additional staffing in both the

Section and Labs. He then discussed the upcoming need for systems to assist Section staff in getting accurate needed system capital improvements to complete the next EPA State Revolving Loan Funding construction “Needs Survey”. The Survey is performed nationwide and is used by EPA to determine Arkansas’s fair share of the yearly SDWA State Revolving Loan Fund Capitalization Grant. In response to questions from the Committee, a discussion ensued on the potential impacts of PFAS on the drinking water industry both nationally and locally.

Nutt started his License Update Report by referencing the normally provided spreadsheet detailing exam performance information. He noted that buried in the numbers were first time passers overshadowed by many repeat exam takers. He stated he was stressing to exam candidates to study the recommended exam manuals to gain an understanding of how water system function was imperative. A significant discussion followed on how to get exam candidates to properly prepare for license exams.

Nutt in his Enforcement Plan Update Report provided a handout to the Committee detailing enforcement actions. He then discussed why more systems were advancing to the higher enforcement levels. Discussion followed about certain systems and methods the systems used to comply.

Nutt in his General Program Update

Report informed the Committee that the program was processing applications, exam results, and licenses. He noted processing those items was slower than preferred. He closed by noting he hoped to fill the training coordinator position soon.

Harper provided the Arkansas Environmental Training Academy’s 2020 training calendar noting they were offering about the same number of water classes and over 300 total classes. He indicated the Academy was seeking to fill two of its five training coordinator positions, the solid waste coordinator and the wastewater coordinator. He noted he and the remaining coordinators were very busy keeping all the classes going. Rowe provided a training report for water classes stating in 2019 the Academy provided 81 courses, training 898 students.

Philipps provided the Arkansas Rural Water Association Report by providing copies of ARWA 2020 training calendars noting he had about 540 certification training hours scheduled for the year. He then reviewed his written training report detailing their training classes and attendance data for 2019. He noted they offered 576 total water training hours with a total attendance of 4,345 man-days of training.

OTHER BUSINESS

Having no other business, the Committee set its next meeting, at its regularly scheduled date of April 9, 2020. A motion to adjourn was made and the meeting adjourned.

Arkansas Drinking Water Advisory and Operator Licensing Committee

April 9, 2020 quarterly meeting was cancelled. The Committee’s next scheduled meet is July 9, 2020

Mandatory Training Course Schedule

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

Mandatory Course Name	Start Date	Ending Date	Time	CITY	LOCATION	SPONSOR
When this Newsletter went to press, training classes continue to be cancelled due to Corona Virus concerns. The below classes for July and beyond may also be cancelled. Registering early for the course will keep you informed of its status.						
Basic Math	08/03/20	08/17/20	TBD	Internet	www.sautech.edu/aeta/	AETA
Advanced Distribution	08/11/20	08/13/20	8:00 Am	Mtn. Home	Charles R Newton Emer Serv Trng Center, Midway	ARWA
Intermediate Distribution	08/11/20	08/13/20	8:00 Am	Little Rock	Caw Clearwater Complex, 11 Clearwater Drive	AETA
Applied Math	08/17/20	08/31/20	TBD	Internet	www.sautech.edu/aeta/	AETA
Basic Math	08/18/20	8/18/20	8:00 Am	Siloam Spgs	Community Building, 110 North Mt. Olive Street	ARWA
Intermediate Treatment	08/18/20	8/20/20	8:00 Am	Maumelle	TBA (Contact AETA)	AETA
ADH PWS Compliance	08/19/20	8/19/20	8:00 Am	Siloam Spgs	Community Building, 110 North Mt. Olive Street	ADH
Applied Math	08/20/20	8/19/20	8:00 Am	Siloam Spgs	Community Building, 110 North Mt. Olive Street	ARWA
Basic Math	08/25/20	08/25/20	8:00 Am	Hot Springs	TBA (Contact AETA)	AETA
Applied Math	08/26/20	08/26/20	8:00 Am	Hot Springs	TBA (Contact AETA)	AETA
ADH PWS Compliance	08/27/20	08/27/20	8:00 Am	Hot Springs	TBA (Contact AETA)	ADH
Basic Treatment	08/31/20	09/14/20	TBD	Internet	www.sautech.edu/aeta/	AETA
Advanced Distribution	09/01/20	09/03/20	8:00 Am	Little Rock	Caw Clearwater Complex, 11 Clearwater Drive	AETA
Intermediate Distribution	09/08/20	9/10/20	8:00 Am	Russellville	Tri-County Water, 5306 N Arkansas Ave	AETA
Basic Distribution	09/14/20	09/28/20	TBD	Internet	www.sautech.edu/aeta/	AETA
Basic Treatment	09/15/20	9/17/20	8:00 Am	Greers Ferry	Community Water System, 299 Lakeshore Drive	AETA
Basic Distribution	09/22/20	9/24/20	8:00 Am	Rogers	Rogers Water Utility, 521 South 2nd Street	AETA
Intermediate Treatment	09/22/20	9/24/20	8:00 Am	Arkadelphia	Recreation Center, 2555 Twin Rivers Dr	ARWA
Intermediate Treatment	09/28/20	10/12/20	TBD	Internet	Www.sautech.edu/aeta/	AETA
Intermediate Distribution	09/29/20	10/1/20	8:00 Am	Fayetteville	Utilities Operations Center, 2435 S Industrial Dr	AETA
Advanced Treatment	10/05/20	10/7/20	8:00 Am	Greers Ferry	Community Water System, 299 Lakeshore Drive	AETA
Basic Math	10/06/20	10/6/20	8:00 Am	Lonoke	AR Training Facility, 240 Dee Dee Ln	ARWA
ADH PWS Compliance	10/07/20	10/7/20	8:00 Am	Lonoke	AR Training Facility, 240 Dee Dee Ln	ADH
Applied Math	10/08/20	10/8/20	8:00 Am	Lonoke	AR Training Facility, 240 Dee Dee Ln	ARWA
Intermediate Distribution	10/12/20	10/26/20	TBD	Internet	www.sautech.edu/aeta/	AETA
Advanced Treatment	10/20/20	10/22/20	8:00 Am	Lonoke	AR Training Facility, 240 Dee Dee Ln	ARWA
Basic Distribution	10/20/20	10/22/20	8:00 Am	Camden	AR Env Training Academy, 6287 Spellman Road	AETA
Basic Treatment	10/27/20	10/29/20	8:00 Am	Little Rock	Caw Clearwater Complex, 11 Clearwater Drive	AETA
Advanced Treatment	11/02/20	11/16/20	TBD	Internet	www.sautech.edu/aeta/	AETA
Basic Distribution	11/03/20	11/5/20	8:00 Am	Siloam Sprgs	Siloam Springs Public Library, 205 E Jefferson St	ARWA
Basic Math	11/03/20	11/03/20	8:00 Am	Fayetteville	Utilities Operations Center, 2435 S Industrial Dr	AETA
Applied Math	11/04/20	11/04/20	8:00 Am	Fayetteville	Utilities Operations Center, 2435 S Industrial Dr	AETA
ADH PWS Compliance	11/05/20	11/05/20	8:00 Am	Fayetteville	Utilities Operations Center, 2435 S Industrial Dr	ADH
Advanced Distribution	11/16/20	11/30/20	TBD	Internet	www.sautech.edu/aeta/	AETA
Advanced Distribution	11/17/20	11/19/20	8:00 Am	Rogers	Rogers Water Utility, 521 South 2nd Street	AETA
Basic Treatment	11/17/20	11/19/20	8:00 Am	Lonoke	AR Training Facility, 240 Dee Dee Ln	ARWA

Most current and future training schedule is posted at this website:

<http://www.healthy.arkansas.gov/eng/autoupdates/oper/mandtrngall.htm>

NOTICE: IMPLICATIONS OF THE PANDEMIC CONTINUE TO DEVELOP AND EVOLVE. PLEASE CONTACT TRAINING ASSOCIATIONS DIRECTLY WHEN PLANNING ATTENDANCE IN ORDER TO REGISTER AND VERIFY DATES AND DETAILS

**Arkansas Rural Water Association
Annual Technical Conference & Exhibition
August 30 – Sept 2, 2020 – 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.

**Arkansas Water & Wastewater Managers Association
Water Managers Annual Conference
September 16-19, 2020 – Doubletree Hotel – Hot Springs, AR
www.arkwwma.org**

The conference consists of three (3) days of manager focused training. Each day has a morning training session. The conference is approved for up to 10 contact hours of directly applicable water license training credit. No mandatory water training courses for exam purposes or license exams are available.

**American Water Works Association
Southwest Section Annual Meeting
October 18-20, 2020 – Hyatt Regency Tulsa – Tulsa, OK
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.

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 with License application filed at least 60 days before the exam. To register on the internet, go to www.healthy.arkansas.gov/eng and click on Operator Certification, then select Register- Water License Exam.

Listed below are the dates and locations of examination sessions as scheduled, as of **September 20, 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
Previous Exam Sessions were cancelled due to Coronavirus concerns. The below sessions are planned to be held provided pandemic guidelines will allow.				
9/3/2020	7/21/2020	Mtn. Home	Baxter Co OEM Training Facility, 170 Dillard Dr, Midway	9:00:00 AM
9/3/2020	7/21/2020	Rogers	Rogers Water Utility Training Rm, 521 South 2nd St	1:00:00 PM
9/4/2020	7/21/2020	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	9:00:00 AM
9/4/2020	7/21/2020	Fayetteville	Fayetteville Operations Center, 2435 S Industrial Dr	9:00:00 AM
9/11/2020	7/28/2020	Camden	AR Environmental Training Academy, 100 Carr Road	9:00:00 AM
9/11/2020	7/28/2020	Clarksville	CLW (Operations Bld) 710 East Main (Hwy 64 East)	9:00:00 AM
9/11/2020	7/28/2020	Jonesboro	Jonesboro CWL Office Training Rm, 400 E Monroe	9:00:00 AM
9/16/2020	8/3/2020	Hot Springs	ARWA Conference, HS Convention Center	9:00:00 AM
12/3/2020	10/20/2020	Rogers	Rogers Water Utility Training Rm, 521 South 2nd St	1:00:00 PM
12/4/2020	10/20/2020	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	9:00:00 AM
12/4/2020	10/20/2020	Nashville	Carter Day Center, 200 Lake Nichols Drive	9:00:00 AM
12/4/2020	10/20/2020	Fayetteville	Fayetteville Operations Center, 2435 S Industrial Dr	9:00:00 AM
12/11/2020	10/27/2020	Camden	AR Environmental Training Academy, 100 Carr Road	9:00:00 AM
12/11/2020	10/27/2020	Clarksville	CLW (Operations Bld) 710 East Main (Hwy 64 East)	9:00:00 AM
12/11/2020	10/27/2020	Jonesboro	Jonesboro CWL Office Training Rm, 400 E Monroe	9:00:00 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 file application at least 60 days prior to the exam. If repeating same exam, please remit \$25.00 exam fee using provided invoice at time of exam registration.

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.

WATER OPERATOR LICENSES ISSUED

LICENSEE NAME	GRADE/TYPE	SYSTEM NAME	ISSUE DATE
ALLEN PATRICK	D - II	SEARCY WATERWORKS & N E WHITE COUNTY PUBLIC FACILITIES BOARD	06-Mar-20
BAUGHTMAN DOUGLAS	T - IV	BENTON WATERWORKS	20-Mar-20
BOOTH RYAN	D - I	HAZEN WATERWORKS	06-Mar-20
CANNON TIMOTHY	D - IV	CENTRAL ARKANSAS WATER & CENTRAL ARKANSAS WATER- PARON	08-May-20
DAWSON ANGELA	D - I	HERMITAGE WATERWORKS	13-Mar-20
DAWSON RYAN	D - I	HAVANA WATERWORKS	09-Mar-20
DAWSON WILLIAM	D - I	HERMITAGE WATERWORKS	13-Mar-20
DIAZ JORGE	D - IV	FORT SMITH WATER UTILITIES	20-Feb-20
ELDRIDGE TISHA	D - II	CARAWAY WATERWORKS	26-May-20
EUBANKS BARBARA	D - II	GREEN HILL-BROOKS CHAPEL WATER	13-May-20
FOX JONATHAN	T - I	FORT SMITH WATER UTILITIES	27-Apr-20
FRADY BRIAN	D - II	WARD WATERWORKS	06-Mar-20
FRESHWATER COY	D - IV	SPRINGDALE WATER UTILITIES	06-Mar-20
GHERE MATTHEW	D - I	BAUXITE WATER	25-Feb-20
GOODSON JOSHUA	D - III	CENTRAL ARKANSAS WATER	24-Feb-20
HALE ETHAN	D - II	SEARCY WATERWORKS & N E WHITE COUNTY PUBLIC FACILITIES BOARD	06-Mar-20
HINCHEY JACKIE	D - IV	CLINTON WATERWORKS & LESLIE WATER SYSTEM	20-Mar-20
HITTON SCOTT	T - IV	BEAVER WATER DISTRICT	03-Mar-20
HOOD KEVIN	T - II	HOT SPRINGS UTILITIES	26-May-20
HUFFMAN-GILREATH JENE	D - IV	ROGERS WATER UTILITIES	13-Apr-20
JONES BRUCE	D - II	WARD WATERWORKS	06-Mar-20
KADRI JEFFREY	D - I	BENTONVILLE WATER UTILITIES	05-Mar-20
KING JIMMY	D - VSS	HUMNOKE WATERWORKS	18-Feb-20
LAMB DAVID	D - I	ALBEMARLE CORPORATION SOUTH	13-Mar-20
LAWRENCE DANIEL	T - IV	CONWAY WATER SYSTEM	09-Mar-20
LEOPARD RUSTY	D - I	RISON WATERWORKS	06-Mar-20
LONG JOHN	D - IV	FORT SMITH WATER UTILITIES	06-May-20
MARTIN REECE	T - IV	CONWAY WATER SYSTEM	09-Mar-20
MASON THOMAS	D - II	SALEM WATER ASSOCIATION & SOUTHWEST WATER ASSOCIATION	04-May-20
MCCLELLAN KIMBERLEY	D - I	INDEPENDENCE JACKSON REGIONAL	06-Mar-20
MCMAHAN MICHAEL	D - II	EL DORADO WATERWORKS	13-Mar-20
MCREYNOLDS BILLY	D - I	INDEPENDENCE JACKSON REGIONAL	06-Mar-20
MOSLEY BILLY	T - IV	LONOKE WHITE PUBLIC WATER AUTH	16-Apr-20
NEW AARON	D - I	LONOKE WHITE PUBLIC WATER AUTH	13-Mar-20
NOLAN BRUCE	D - II	FAYETTEVILLE WATERWORKS	28-Feb-20
OLSON MARK	D - I	BRYANT WATERWORKS	06-Mar-20
PHILLIPS JARROD	D - IV & T - IV	BEAVER WATER DISTRICT	24-Feb-20

WATER OPERATOR LICENSES ISSUED

LICENSEE NAME	GRADE/TYPE	SYSTEM NAME	ISSUE DATE
PITTS JOSHUA	D - III	MOUNT OLIVE WATER ASSOCIATION	06-Mar-20
POWNALL ANDREW	D - IV	CENTRAL ARKANSAS WATER	28-May-20
ROOD KENNETH	T - IV	CENTRAL ARKANSAS WATER	13-Feb-20
RYAN JOHN	D - III	AUSTIN WATERWORKS	06-Mar-20
SANDERS CLIFTON	T - IV	BUFFALO ISLAND REG WATER DIST	28-Feb-20
SAVOY EVAN	D - I	ALBEMARLE CORPORATION SOUTH	13-Mar-20
SCHALES JACOB	D - II	CHEROKEE VILLAGE WATER ASSOC	05-Mar-20
SLEE SCOTT	D - IV & T - IV	NO ARKANSAS PWS	22-Apr-20
TANKERSLEY STEVEN	D - II	FORT SMITH WATER UTILITIES	13-Mar-20
TENNEY JACK	D - I	BENTONVILLE WATER UTILITIES	06-Mar-20
THOMPSON BEAU	D - III	BENTONVILLE WATER UTILITIES	06-Mar-20
TIMMS MICHAEL	D - IV	JONESBORO WATER SYSTEM	04-May-20
VONDRAN JOHN	T - IV	BENTON WATERWORKS	09-Apr-20
WAXLEY JOHN	D - II	SMACKOVER WATERWORKS	06-Mar-20
WRIGHT PAUL	D - II	HASKELL WATER SYSTEM	06-Mar-20
YOUNG ERIC	T - IV	CARROLL-BOONE WATER DISTRICT	05-Jun-20

Staff News:



Tanner Burns joins the Engineering Section as one of our Area Wide Optimization Program engineers. Tanner has a degree in Chemical Engineering from the University of Arkansas. While attending college, Tanner interned with Domtar, a paper mill in Ashdown, and with Peterson Chemical in Fort Smith.



Carla Greisen joins the Engineering Section as the Training Coordinator working in the Operator Certification Program. Carla has a B.S. in Fisheries and Wildlife Management from the University of Nebraska and an M.S. in Agronomy from Iowa State University. She has worked for the Arkansas State Military Department for 12 years managing military training land, the Arkansas Natural Heritage Commission managing the state's 75 natural areas, and recently managed land practices in Tuttle Creek Watershed in Kansas.

Major Monitoring, MCL, Treatment Technique, & Licensing Violations

Community & Nontransient Noncommunity Public Water Systems, Jan. – Mar. 2020

BANKS WATERWORKS	Bmon 2, 3	MONTGOMERY COUNTY	Dmon 1, 2
BAUXITE WATER	Bmon 2	MORO WATERWORKS	DBPR 1, 2, 3
BELLEVILLE WATER	DBPR 1, 2, 3	MOUNT IDA WATER	Bmon 2
BLUE MOUNTAIN WATER	DBPR 1, 2, 3	MOUNT IDA WATER	DBPR 1, 2, 3
BODCAW RURAL WATER	DBPR 1, 2, 3	MOUNTAIN PINE WATER	Bmon 3
BOIS D'ARC WATER	Bmon 1, 2, 3	NASHVILLE RURAL	DBPR 1, 2, 3
BOIS D'ARC WATER	OperLic 1, 2, 3	NE YELL COUNTY	DBPR 1, 2, 3
BOIS D'ARC WATER	PN 1, 2, 3	NEW LONDON WATER	DBPR 1, 2, 3
BONANZA WATER	Bmon 2	NORTH CARBON CITY W	DBPR 1, 2, 3
CASA WATER DEPT	Dmon 3	ODEN PENCIL BLUFF	DBPR 1, 2, 3
CAVE SPRINGS WATER	Dmon 2	PICKENS WATERWORKS	Bmon 1
CHESTER WATER	Bmon 1	PICKENS WATERWORKS	OperLic 1, 2, 3
CHIDESTER WATER	Bmon 3	PICKENS WATERWORKS	PN 1, 2, 3
CLARKEDALE-JERICHO	PN 3	SHADY ACRES MHP	Bmon 1, 2, 3
COAL HILL WATER	Bmon 2	SHADY ACRES MHP	OperLic 1, 2, 3
COTTON PLANT WATER	PN 3	SHADY ACRES MHP	PN 1, 2, 3
CROSS COUNTY RURAL	DBPR 1, 2, 3	SHUMAKER	Bmon 3
DAMASCUS WATER	DBPR 1, 2, 3	SOUTH PIKE CO WATER	DBPR 1, 2, 3
DANVILLE WATER	DBPR 1, 2, 3	SOUTHWEST ARKANSAS	DBPR 1, 2, 3
DANVILLE WATER	Dmon 3	ST FRANCIS WATER	Bmon 2
DIAMOND CITY WATER	OperLic 1, 2, 3	STRONG WATERWORKS	GWRmon 1
DIAMOND CITY WATER	PN 1	SUBIACO CITY WATER	DBPR 1, 2, 3
EUDORA WATERWORKS	PN 3	TONTITOWN WATER	DBPR 1, 2, 3
FREE HOPE WATER	Bmon 1, 2, 3	TONTITOWN WATER	Dmon 1
FREE HOPE WATER	OperLic 1, 2, 3	TRI-COUNTY RWDD-	DBPR 1, 2, 3
GARRETT BRIDGE	PN 3	MOORES CHAPEL	
GREEN HILL-BROOKS	OperLic 1, 2, 3	TRI-COUNTY WATER	Dmon 2
CHAPEL WATER		DISTBR DIST	
GUM SPRINGS	Bmon 2, 3	VANDERVOORT WATER	Bmon 2
HACKETT WATERWORKS	DBPR 1, 2, 3	WABBASEKA WATER	BMCL 2, Bmon 1
HARTFORD WATER	Bmon 1	WABBASEKA WATER	OperLic 1, 2, 3
HICKORY RIDGE WATER	Bmon 3	WABBASEKA WATER	PN 2, 3
HOSANNA HEIGHTS	Bmon 3	WALNUT RIDGE WATER	Bmon 3, Dmon 1
HOXIE WATER	Dmon 1	WASHINGTON WATER	Dmon 2
HUMPHREY WATER	Bmon 1, 2, 3	WEST FORK WATER	Dmon 2
HUMPHREY WATER	OperLic 2, 3	WEST HELENA WATER	Bmon 3
HUMPHREY WATER	PN 1, 2, 3	WILMOT WATERWORKS	DBPR 1, 2, 3
JAMES FORK REGIONAL	DBPR 1, 2, 3		
KEO WATERWORKS	Bmon 3		
KEO WATERWORKS	Dmon 2		
KEO WATERWORKS	OperLic 2, 3		
LAKE VIEW MUNICIPAL W	Bmon 1, 2, 3		
LAKE VIEW MUNICIPAL	Dmon 2, 3		
LAKE VIEW MUNICIPAL	OperLic 2, 3		
LEE COUNTY WATER	DBPR 1, 2, 3		
LEOLA WATERWORKS	PN 1		
LOCUST BAYOU WATER	Dmon 2		
MAGNOLIA WATER	PN 3		
MCCRAE	PN 3		
MILLTOWN-WASHBURN	DBPR 1, 2, 3		
MONTGOMERY COUNTY	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 = January 2020, 2 = February 2020, 3 = March 2020

ENGINEERING SECTION
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AWW&WEA District Meetings

Due to disruptions caused by the COVID-19 pandemic, local AWW&WEA districts should be contacted directly concerning meeting plans. Also, visit the Division's web site: www.healthyarkansas.com/eng for possible district meeting updates.