



ARKANSAS DRINKING WATER UPDATE

Act 605 of 2021 Requirements

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On April 5, 2021 Governor Asa Hutchinson approved Act 605 of 2021. The Act was Senate Bill 386 sponsored by Senator Alan Clark and Representative Fredrick Love. This legislation was the result of the work of the committee created by Interim Study 2019-085. Below are some highlights of the legislation.

The legislation tasked retail water providers, except those regulated by the Arkansas Public Service Commission, with additional responsibilities in managing and operating their water systems. These responsibilities include preparation of a rate study every 5 years. The rates determined from the study will have to be implemented within one year of the completion of the study. If the increase will be 50 percent or more of the current rate, then the system will have 2 years to implement the total increase. Rates studies must be filed with the Arkansas Legislative Audit. Proposed major development projects may require a rate study before the end of the five-year period.

The legislation outlines costs to be included in the study and allows the Arkansas Natural Resources Commission (ANRC) to provide guidance on content of the study. ANRC must consider the guidelines of American Water Works Association and the Water Environment Federation in developing ANRC guidelines.

When a municipal water system has 20 percent or more of its customer base outside the municipal boundaries, the municipality must establish a non-voting advisory committee to advise the municipality in water system matters. This committee must represent the water users outside the municipal boundaries.

Under the legislation, all members of a retail water provider governing board must complete 8 hours of training. The training must be completed

within one year of becoming a board member. A member with 10 years or more service on the governing board is exempt from training. The Act provides that ANRC will utilize an advisory board of water professionals to develop the curricula for the training sessions.

ANRC may designate a retail water provider as being under fiscal distress when a provider fails to obtain a rate study, fails to implement the rates contained in the study, board members fail to obtain required training, or fails to have adequate funds to operate and maintain the water provider's system. ANRC will annually notify a provider that the provider is under fiscal distress and publish a list of providers under fiscal distress on its website. Within 90 days of being designated as being in fiscal distress, a provider must develop an improvement plan with specific actions to correct financial, technical, and managerial deficiencies of the provider.

When under fiscal distress, a retail water provider must obtain ANRC approval to incur additional debt, transfer assets of the provider to another provider, accept assistance for refurbishment or replacement of facilities or new facilities unless these projects are part of a provider improvement plan. Provisions in the law provide that: (1) Five percent of gross revenues must be set aside in a dedicated refurbishment and replacement reserve; (2) Creation of a new retail water provider will require at least 300 water users unless, ANRC determines that public health or environmental protection so require and there is no viable alternative to creation of the new provider. If ANRC determines that the condition exists, additional statutory requirements must be met for the creation of the new retail water provider.

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Brad Hammond Appointed to Water Licensing Committee



On April 22, 2021, the State Board of Health appointed Brad Hammond, PE, Office Leader, Arkansas Office, Olsson, Fayetteville, Arkansas, to the Arkansas Drinking Water Advisory and Operator Licensing Committee. His strong

background in drinking water engineering will allow him to be a valued member of the Committee.

Nominations were requested from the Arkansas Water and Wastewater Managers Association, Arkansas Rural Water Association, Arkansas Water Works and Water Environment Association, Arkansas Environmental Training Academy Advisory Board, and the Arkansas Society of Professional Engineers.

The Committee thanks Aaron Benzing, PE, Hawkins Weir Engineers, Inc., Little Rock, Arkansas office, for his six years of dedicated service to the Committee. He served as the Committee Chair during his last 2 years of service.

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.

REPORT OF THE Arkansas Drinking Water Advisory and Operator Licensing Committee

The Arkansas Drinking Water Advisory and Operator Licensing Committee cancelled its April 8, 2021 quarterly meeting. The Committee's next scheduled meeting is July 8, 2021.

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.

Annual Compliance Report Available

Jeff Stone, P.E., Director

The Engineering Section has completed the Annual Compliance Report (ACR) pertaining to calendar year 2020. 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	96.8 %
Community Public Water Systems	684
Transient, Non-Community PWSs	332
Non-Transient, Non-Community PWSs	34
Monitoring Compliance	99.9 %
SDWA Water Quality Compliance	97.3 %
Overall SDWA Compliance	97.3 %

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 97.3% for 2020 is almost the same as the 2019 level of 97.1%.

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.

Equipping Operators with Skills to Manage and Overcome Testing Anxiety

*Author: Tom Healy, Director of Certification Services
Association of Boards of Certification*

We have all experienced it, that feeling of dread and foreboding before taking an exam; a myriad of scenarios running through your head outlining the worst possible outcomes.

These feelings of testing anxiety are very real and can have detrimental effects on an operator's exam performance. In fact, a recent survey of operators conducted by the Ohio Water Environment Association found that nearly 30 percent of respondents cited testing anxiety as a main cause for not passing the exam.

To examine why testing anxiety is such a prevalent phenomenon, especially in high stakes vocational testing such as an operator certification exam, I spoke with Dr. Ian MacFarlane of Elizabethtown College. Dr. MacFarlane is an Assistant Professor of Psychology, as well as a clinical psychologist. With more than 1,000 hours of therapy work with college students and adults, he has helped countless individuals recognize and overcome testing anxiety.

Why do Operators worry?

Taking a certification exam is different from a high school biology or chemistry final: the stakes are exponentially higher. Psychologically, operators may feel that taking an exam related to their everyday job duties raises a question about their professional competence. This spark of anxiety will be fanned further if a passing score on the exam is mandated for their current job or required for promotion potential.

When asked how test anxiety manifests, Dr. MacFarlane pointed to both cognitive and physical (or somatic) symptoms stating, "The most detrimental effects of anxiety are cognitive. The human brain is limited to a certain amount of processing power at one time. The more your brain is occupied with the anxiety of the exam, the less ability it has to process the exam content. It would be akin to going into a wrestling match with one hand tied behind your back. Anxiety is a 'mental suck' or leech draining your brain power and limiting your ability to recall information or facts that might be as familiar to you as the names of your parents."

One particularly common manifestation of testing anxiety Dr. MacFarlane cited is detachment—an operator is likely to avoid the discomfort of test anxiety by simply not thinking about the exam. He noted, "This can be quite detrimental as this avoidance loop can cause you to disengage from exam preparatory practices which can seriously hinder performance on the exam."

Other effects of anxiety can be seen as physiological symptoms such as nausea, stomach cramps, or lightheadedness. To explain this, Dr. MacFarlane offered, "Our bodies lack the ability to differentiate between real life and mental simulations. So, if we are extremely worried or anxious about something, our minds can create physiological manifestations that are directly associated with the negative mental simulations."

Why do some operators who excel in their jobs perform poorly on the exam?

Even though the exam is measuring the knowledge and application of tasks that an operator performs daily, while in the testing environment, they lose the contextual cues that would normally assist them in everyday operations.

Without those additional sources of information, operators must work harder to draw parallels between the tasks on the exam and the tasks they perform in their job. In other words, because an operator is not being tested in the environment in which he/she normally performs a task (a water or wastewater system), it can be difficult to recognize and solve the same problem in a test environment.

What can operators do to help with testing anxiety?

Practice, Practice, Practice

There is no better way of reducing test anxiety than to spend an adequate amount of time preparing and practicing. Test-taking is a skill—one that must be practiced and honed. Dr. MacFarlane noted that in many cases, due to inefficient study techniques, people have a tendency to work on areas in which they are already proficient and to avoid areas that could use improvement. Operators should make better use of their study time by taking periodic practice tests to help gauge the areas they need to work on. As an added benefit, the practice tests will train them to work under the pressure of a time constraint. Because the time limit on most certification exams can create a state of panic, it is important that operators learn to perform under these stressors and to control the feelings of unease.

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Don't "cram"

Countless studies have been done over the years on the ineffectiveness of "cramming," or waiting until the last available opportunity to study for an exam. Say an operator spends the last six hours before the exam reviewing material. It is easy for them to think that they have everything committed to memory; the material is "fresh" in their mind. The reality is that nothing could be further from the truth. Reviewing this way gives an operator a familiarity with the material, meaning he/she will be able to recognize it when they see it on paper. Unfortunately, the ability to recognize concepts is not the same as being able to recall it. The ability to recall or reconstruct information accurately when an operator needs it requires exposure to the information over a long period of time.

The best course of action is to build a study plan that spans the course of several weeks prior to the exam. The more time an operator spends reorganizing the material so it has a structure, the more likely they are to commit the information to long term memory. Operators should aim for 45-60 minutes per day with their study material for at least six weeks prior to the exam.

How can an operator cope with anxiety on test day?

Even the most prepared test-takers can feel anxiety on test day, but there are proven methods to counteract the effects. Operators should start with getting adequate sleep the night before. Studies have shown that people perform better on memory tasks when they are well-rested. Some people will suffer from interrupted sleep when particularly worried about something. To help with this, operators can try exercising for 30 minutes before bed. Doing so will help their bodies release excess cortisol (stress hormone) in their systems caused by anxiety and will allow them to sleep better.

An operator should ensure their body is well nourished the day of the exam. This means do not skip breakfast and eat healthy foods such as grains or fruit and avoid foods with high fat content. The goal here is to eliminate as many distractors as possible so an operator can dedicate all their attention to the exam. If an operator is tired or his/her body does not have enough fuel, it can drastically hinder their performance.

Breathing – The 5-5-7 Method

During the exam, it can be extremely beneficial to stop at regular intervals (perhaps every five questions) and take deep breaths. The 5-5-7 is a

breathing exercise performed by inhaling for five seconds, holding your breath for another five seconds, then exhaling for seven seconds. Dr. MacFarlane suggested that completing this exercise at regular intervals during a test session can physiologically stimulate the central nervous system, which can heighten an operator's awareness and push anxiety from their mind. He also stressed the importance of practicing this technique for several weeks prior to the exam during their preparation, saying "The more practiced you are in this technique, the more effective it will be during exam time. Your body and mind will have a Pavlovian response to the exercise which increases its effectiveness."

Muscle Relaxation

Another proven technique outlined during our discussion was progressive muscle relaxation, or PMR. This is done by deliberately applying tension (by clenching) to certain muscle groups and then releasing the induced tension. During this process, all of an operator's attention should be focused on how their muscles feel as the tension is released. As operators learn to distinguish the feelings of a tense muscle as compared to a completely relaxed one, they are able to recognize the physical effects anxiety has on their bodies and can quickly alleviate it with this technique. Operators should be encouraged to practice PMR both when preparing for the exam and on the day of testing. They should spend 15-20 minutes at a time performing this technique on their major muscle groups (feet, legs, hands, arms, neck, and shoulders) and it will help mitigate anxiety.

The Bottom Line

While these methods have been shown to help with anxiety, they may not work for everyone. There are many more techniques that may offer relief, and operators can use these tips as a starting point to find what works best for them. Above all, operators should make sure they spend adequate time studying and reviewing the material. The better command they have of the content, the less anxious they will be about the exam, and the better they will perform.

The Arkansas Connection in Water Fluoridation

Lindy Bolin, Jr., DDS,
Director, Office of Oral Health

Community water fluoridation, the addition of an optimal amount of fluoride to a public water supply, has a long history of providing oral health benefits since 1945. To understand the significance of water fluoridation we need to look back at the turn of the 20th century in 1901 when a young dentist, Fredrick McKay, moved to Colorado Springs, Colorado, to establish a dental practice. Dr. McKay noticed that a segment of his patient population had an uncharacteristic brown stain to their teeth. This stain was within the structure of the tooth itself as it could not be removed through the typical cleaning and polishing methods. The remarkable issue associated with patients that displayed this brown stain was an amazing lack of dental decay, or cavities, found within this population.

McKay termed his discovery the Colorado Brown Stain and wrote articles about the prevalence in that part of the country. G. V. Black, the father of modern dentistry and Dean of the Northwestern University School of Dentistry in Chicago, took an interest in his former student's article and together they began the first epidemiological study to seek the cause of this stain and resulting cavity-free patient population. Their research and further articles lead to the discovery the stain was not limited to Colorado as other dentists reported similar findings in places like Arkansas and Texas.

The Aluminum Mining Company of American, ALCOA, was operating in Bauxite, Arkansas appropriately named for the bauxite ore that was mined in the area. Fearing a public relations problem with their ongoing mining efforts and a population with stained teeth, ALCOA set a chemist named H. V. Churchill to the task to find out why people in Bauxite had this unsightly stain while their neighbors in Benton did not share the same calamity. Using a new device called a quartz spectroscope to determine extremely minute elements present in the water, Churchill was able to isolate fluoride as the agent that was different between the two neighboring cities. Analysis of the community water systems revealed a much higher concentration of fluoride in Bauxite when compared to Benton (Table 1). While the two cities are within a five-mile radius of each other, they did not share the same water source. Benton's water came from the Saline River while Bauxite drew its drinking water from wells near the same area as the mining operations.

With the belief that fluoride was indeed the reason for the internal stain seen on teeth, a new term, dental fluorosis, was coined to describe the condition. Dr. H. Trendley Dean of the National Institute of Health with a team of scientists conducted additional epidemiological studies around the country known as the 21-City Study. They concluded that communities with fluoride concentrations less than 0.5 mg/L, or parts per million (ppm), exhibited a three-fold increase in the presence of dental decay compared to other communities when the fluoride concentration reached 1.4 mg/L. Dean realized this could serve as a preventative oral health measure if the concentration of fluoride could be balanced between the cavity resistant level and the levels that created dental fluorosis.

The standard concentration was settled at 1mg/L and in 1945 the first artificially adjusted concentration of fluoride was initiated in Grand Rapids, Michigan. Two similar communities, Aurora and Muskegon, were selected to serve as the control groups for what was to be a ten-year program. Each community used the same water source for their drinking water supply but only Grand Rapids adjusted the fluoride concentration within their water treatment plant. After four years, a survey conducted by NIH dentists found a 32-40% decrease in dental decay and by 1951 they found the reduction reached up to a 65% reduction in dental decay. After only six years of this pilot program the city leaders in Muskegon stopped participating in the program simply because they wanted similar benefits for the citizens of their community.

For well over 75 years now, community water fluoridation has been a staple in preventive oral health. In fact, community water fluoridation has been mentioned as one of the top ten public health achievements in the twentieth century along with vaccinations, declines in death due to heart disease and strokes, and decreased motor vehicle injuries. *Healthy People* is a public health measure to set goals and objectives to achieve within a ten-year period. When the *Healthy People 2020* objectives were released in 2010, Arkansas reported 64% of the population was served with fluoridated drinking water. The *HP2020* goal was to raise this percentage by 10% both nationally and for each state (Table 2). By the end of the past decade, Arkansas exceeded both the state and national targets and now provides just over 86% of Arkansans with the oral health benefits of optimally fluoridated drinking

water and stronger teeth. This is primarily due to steadfast oral health advocates who trust the dental science that McKay, Dean and others helped create. Our success is a continuance of that drive to transform dentistry into preventive medicine, utilizing the secret weapon found in Bauxite to win the battle against tooth decay.

Table 1.

City	Water source	[F]	Health effects
Bauxite	Well water	13.7 mg/L	Dental Fluorosis
Benton	Saline River	0.5 mg/L	Normal appearance

Table 2.

Healthy People 2020 Objective	National Baseline Data	National 2020 Target Goal	Arkansas Baseline Data	Arkansas 2020 Target Goal	Achieved Goal YTD
Increase the proportion of the Arkansas population served by community water systems with optimally fluoridated water.	72.4% of the U.S. population served by community water systems received optimally fluoridated water	79.6%	64.5%	70.9%	86.4%

Staff News:



Ethan McGriff joins the Engineering Section as an Engineer Tech. He will be collecting water samples from the western part of the state. Ethan is also in the process of completing his bachelor’s degree from the University of Arkansas at Little Rock.



Devin Moon joins the Engineering Section as an Environmental Health Specialist working in the Area Wide Optimization Program. Devin graduated from Arkansas Tech University with a B.S. in Wildlife and Fisheries Sciences. He previously worked for Arkansas State Parks at Logoly as a park interpreter. Devin looks forward to learning and serving community water systems.



Krista Myrick - Krista Myrick joins the Engineering Section as an Environmental Health Specialist working in the operator licensing program. She has 14 years of experience in a variety of fields; however, safety and teamwork have been common themes in each professional area that she has worked. Krista graduated from Henderson State University with a B.S. in 2015.



Jeff Parker joins the Engineering Section as an Engineer Tech. Jeff is a former water treatment operator with Nashville Waterworks. He will be collecting water samples from southwest Arkansas

Office of Oral Health’s Statewide Survey of Community Water Fluoridation Equipment

In 2020, the Office of Oral Health (OOH) conducted a statewide survey of community water fluoridation systems and an inventory/status of fluoridation equipment, as part of its CDC grant work to improve oral/dental health outcomes in Arkansas. While the final survey results are still being tallied, OOH is pleased to report that 50% of these fluoridated public water systems (PWS) responded to the survey. These systems were rewarded with complimentary PPE based on their self-identified needs regarding the method of fluoridation. The provided PPE included elbow-length gloves, rubber aprons and full-face shields for every eligible respondent, as well as additional items like N95 masks, disposable gloves, hand sanitizer, goggles, and an eye wash station kit – depending on the specific PPE requests received from a given PWS. In addition, participating PWS received a copy of *Fluoridation Facts* (a question-and-answer publication about the science, history, and safety of fluoridation from the American Dental Association) and an informational flyer about Fluoridation Learning Online continuing education training (FLO).

This statewide survey provides great insights regarding fluoridation equipment needs and costs, which will allow the CDC and OOH to support these systems in the future with mini-grants to help meet their fluoridation equipment needs as providers of quality treated water. Even if you did not respond to this survey, we encourage ALL fluoridating PWS, regardless of size or location, to engage with the Office of Oral Health as we are committed to assisting you in your on-going fluoridation efforts – whether it be for outreach/networking opportunities and educational resources for PWS staff and local/regional stakeholders, continuing professional education credit hours, and/or funding availability for fluoridation equipment needs.

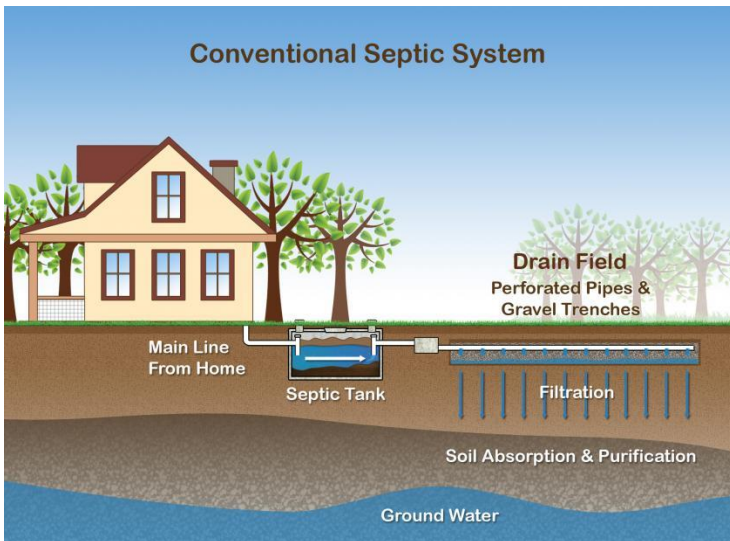
Even if your PWS does not currently fluoridate due to smaller size/location or relies on well water, the Office of Oral Health still welcomes your input and engagement because we all share a common interest in providing safe, quality water for all Arkansans. Contact the Director of the Office of Oral Health, Lindy Bollen, DDS at 501-280-4111 or lindy.bollen@arkansas.gov

Personal Protective Equipment Working With Chemicals



Septic System Remediation

Richard L. McMullen, Ph.D.
Associate Director for Science, State Environmental Health Director



According to a 1990 housing census, 38% of Arkansas homes rely on onsite septic systems for wastewater treatment. This means that 1.1 million people rely on septic systems daily in Arkansas. When properly maintained, septic systems take advantage of the soil's natural ability to filter and clean residential wastewater and return clean water to the hydrologic cycle.

Unfortunately, septic systems can become old and some homeowners don't always maintain their systems which can lead to system failures. Failing systems have the potential to contaminate groundwater or water bodies. Swim beaches and drinking water sources can be affected resulting in limited recreational activities or increased water treatment costs.

In 2021 the Natural Resources Division (NRD) of the Arkansas Department of Agriculture started an onsite septic remediation pilot project to help homeowners repair or replace failing septic systems in the Beaver Reservoir and Illinois River Watersheds. The pilot project provides financial assistance to homeowners in a combination of grant and zero percent interest loan. A sliding scale of grant to loan amount is used based on the homeowner's annual household income. Households with annual incomes of less than \$20,828 would qualify for a 90% grant (no repayment) and a 10% loan. Financial assistance cannot exceed \$30,000 for a given household and only existing systems qualify for the program.

The project is made possible through partnerships with the NRD, the Illinois River Watershed Partnership (IRWP), the Ozarks Water Watch (OWW), and the Arkansas Department of Health (ADH). NRD is providing the funding of \$1M for each watershed. IRWP and OWW are the acting administrators overseeing applications and administering funds to homeowners. ADH provides technical assistance and confirms that systems are failing.

Repairing or replacing systems can be expensive for anyone, especially for retired or low-income homeowners. It's an expense that no one is ever expecting. It is hoped that this pilot project can help people. NRD will reevaluate the program, and if it is deemed successful, they may expand the program to include another watershed that is considered vulnerable.

It is important to remember that a residence cannot be provided water service unless the sewage disposal system has been approved by ADH and is functional. If you encounter a homeowner with a failing septic system within either of the two pilot program's watersheds, please consider referring the homeowner to the appropriate program administrators. Hopefully, the pilot program can help the homeowner while improving water quality and protecting and improving the health and well-being of all Arkansans.

For homes with failing systems in the Beaver Reservoir Watershed: <https://ozarkswaterwatch.org/arseptic/> or contact the program manager at septic@ozarkswaterwatch.org

For homes with failing systems in the Illinois River Watershed: <http://irwp.org/septic/> or contact Matt Taylor at septic@irwp.org

WATER OPERATOR LICENSES ISSUED

(Issued Since Spring Newsletter)

LICENSEE NAME	GRADE/TYPE	SYSTEM NAME	ISSUE DATE
ALLEN PATRICK	D - III	SEARCY WATERWORKS	05-Mar-21
BOOTH RYAN	T - III	HAZEN WATERWORKS	23-Apr-21
BRENTS VEALON	D - II	ROCK MOORE WATER AUTHORITY	12-Mar-21
BREWER WAYNE	D - IV	DES ARC WATERWORKS	17-May-21
BRYANT CHARLES	D - I & T - II	MC RAE WATERWORKS	05-Mar-21
BURNETT JOHN	D - I	FAYETTEVILLE WATERWORKS	10-Apr-21
CARTER AUBREY	T - I	EL DORADO WATERWORKS	12-Mar-21
CLARK JOSHUA	D - II	TRI-COUNTY WATER DISTBR DIST	05-Mar-21
COLEMAN JACOB	T - I	FORT SMITH WATER UTILITIES	05-Mar-21
CORNELISON JEB	D - IV	SPRINGDALE WATER UTILITIES	08-Apr-21
COX ETHAN	D - I	FAYETTEVILLE WATERWORKS	12-Apr-21
DAUGHERTY SHANE	D - I	COMMUNITY WATER SYSTEM	26-Mar-21
DAVES JONATHAN	T - I	MONTICELLO WATER DEPARTMENT	28-Apr-21
DEFOOR RANDALL	D - IV	CITY CORPORATION	30-Apr-21
DILKS DAVID	D - I	LEE COUNTY WATER ASSOCIATION	13-May-21
DURRANCE JOSEPH	T - IV	BENTON-WASHINGTON REG PWA	04-Mar-21
FIELDS DARREN	T - III	MULBERRY WATERWORKS	27-Apr-21
FRANKLIN ROBERT	D - I	BLUE MOUNTAIN WATERWORKS	10-Mar-21
FRANKLIN ROBERT	D - I	SOUTH LOGAN COUNTY WATER	10-Mar-21
HARRIS DUSTIN	D - II	TRI-COUNTY WATER DISTBR DIST	26-Apr-21
HENLEY SHANE	D - II	YORKTOWN WATER ASSOCIATION	10-May-21
HICKMAN TYLER	D - IV	SPRINGDALE WATER UTILITIES	09-Apr-21
HITTSOON SCOTT	D - IV	BEAVER WATER DISTRICT	19-Apr-21
HURLEY CARLA	T - II	JEFFERSON-SAMPLES-DEXTER WA	10-Mar-21
KRAUSE COREY	D - IV	FORT SMITH WATER UTILITIES	13-Apr-21
LAYTON TOBY	D - IV	BELLA VISTA P.O.A.	26-Apr-21
LESTER LUCAS	D - IV	JACKSONVILLE WATERWORKS	21-Apr-21
MARLER DONALD	D - II	GASSVILLE WATERWORKS	04-Mar-21
MARSHALL JODY	D - I	SW BOONE COUNTY WATER ASSOC	05-Mar-21
MARSHALL JODY	D - I	ALPENA WATERWORKS	05-Mar-21
McCully Nicholas	D - I	BENTON COUNTY PWA 5	04-Mar-21
MICHELS JOACHIM	D - I	WARREN WATERWORKS	14-Apr-21
PALMER SHILOH	D - I	PLUMERVILLE WATERWORKS	12-Mar-21
PARKER ALLEN	T - IV	CENTRAL ARKANSAS WATER	29-Mar-21
PARKER JEFFREY	T - II	NASHVILLE WATERWORKS	05-Mar-21
PHIPPS CHANNON	T - III	MULBERRY WATERWORKS	31-Mar-21
RAMSFIELD AUSTIN	D - I	NO PWS OF RECORD	05-Mar-21
REED CALEB	D - III	SILOAM SPRINGS WATERWORKS	11-Mar-21
REINHART SISSY	D - VSS	BISCOE WATERWORKS	05-Mar-21
ROOD KENNETH	D - IV	CENTRAL ARKANSAS WATER	07-May-21
SAMPLEY ROY	D - I	OZARK WATERWORKS	12-Apr-21
SANDERS COREY	D - I	CALICO ROCK WATERWORKS	04-Mar-21
SCHMIDT CHRISTOPHER	D - II	PEA RIDGE WATERWORKS	04-Mar-21
SMITH DAVID	D - VSS	BISCOE WATERWORKS	05-Mar-21
WHITE STEPHANIE	D - VSS & T - II	KEO WATER WORKS	19-Mar-21
WHITESIDE PAUL	D - II	CAMDEN WATERWORKS	12-Mar-21
WOODS JOSHUA	D - II	BENTONVILLE WATER UTILITIES	04-Mar-21
WYSS DEREK	T - II	CLAY CO REG WATER DISTRICT	19-Mar-21

Computer-Based Water License Examinations Provided by PSI Services (PSI) Information & Reservation Instructions

The Arkansas Water Operator License exams are available at PSI Services (also known as AMP) computer testing centers as one of two methods to take license exams. Traditional paper exams remain available quarterly. The computer-based exams offer flexibility in scheduling exams. The testing centers offer exams throughout the workday/workweek, with some centers available on Saturday. Before requesting a computer-based exam, the license application must be on file, you must have an unspent exam fee paid, and the mandatory training courses must be documented as attended (copies of course completion certificates have been submitted). This website: https://health.arkansas.gov/wa_engTraining/ExamType.aspx to request your exam. The request will be confirmed by from the licensing program, a second email will confirm your exam has been approved. A PSI Services email will direct you through their exam registration process to arrange your date, time, and location for the exam. An additional facility use fee of \$69.00 will be collected by PSI. This process is usually completed within a week, and exam results are provided immediately following exam completion.

During this Covid-19 period of heightened contact concerns, the computer centers offer reduced in-person exposure, with greater flexibility in scheduling staff members at different times, reducing exposure risk.

PSI Testing Center Locations:

FAYETTEVILLE - University of Arkansas Testing Services, 97 N. Razorback Road, 1 University of AR, Fayetteville, AR 72701 (Please note, on UA campus with significant parking details to be followed.)

FAYETTEVILLE - H & R Block Office, 3015 North College Avenue, Fayetteville, AR 72703

FORT SMITH - Adult Education Center, 501 South 20th St, Fort Smith, AR 72901

HARRISON - North AR College, 1515 Pioneer Dr, Room L111, S Campus Library, Harrison, AR 72601

HELENA - Phillips Community College of the University of Arkansas, 1000 Campus Drive, Helena, AR 72342

JONESBORO - NEA Testing Center, 3014 Turman Drive, Suite F, Jonesboro, AR 72404

LITTLE ROCK - Exams Plus (PAN), 8 Shackelford Plaza., Suite 300A, Little Rock, AR 72211

LITTLE ROCK - Velvatex College, 1520 Martin Luther King Dr., Little Rock, AR 72202

MAGNOLIA - Southern Arkansas University, 100 East University – Reynolds, 216 Magnolia, AR 71753

MEMPHIS - 6099 Mt Moriah Road Extension, Suite 17 & 19, Memphis, TN 38115

MEMPHIS - Lab Four Professional Dev. Ctr, 1255 Lynnfield Road Suite 160, Memphis, TN 38119

NORTH LITTLE ROCK - H & R Block Office, 2819 Lakewood Village Center, North Little Rock, AR 72116

NORTH LITTLE ROCK - Barrett Testing, Inc., 8318 Remount Rd, NLR Airport, NLR, AR 72118

PINE BLUFF - Southeast Arkansas College, 1900 S. Hazel Street, Pine Bluff, AR 71603

SHREVEPORT - Nat'l Safety Council-ArkLaTex, 8100 Kingston Rd, Shreveport, LA 71108

SHREVEPORT - 910 Pierremont Rd, Suite 216, Shreveport, LA 71106 US

SHREVEPORT - H & R Block Office, 8510 Youree Drive, Shreveport, LA 71115 US

SPRINGFIELD - 3003 East Chestnut Expressway, RDI Building, Suite 400, Springfield, MO 65802

For additional information on computer-based exams: www.goamp.com and select Exam Scheduling

ATTENTION – License Applicants Current Application Must Be Used Criminal History Section Must Be Completed

www.healthy.arkansas.gov/water-license

The revised Arkansas Department of Health's *Rules Pertaining to Water Operator Licensing* became effective October 8, 2020. The revised Rules most critical revision added **criminal history review**. The license application with the criminal history section must be used, which must be completed, and both applicant and person verifying application information signatures must be provided. Please download the required application at this [webpage](https://www.healthy.arkansas.gov/water-license): <https://www.healthy.arkansas.gov/water-license>.

Please note a license applicant requiring a criminal history review should submit application well in advance of their exam or take advantage of a pre-licensure determination of whether the individual's criminal record will disqualify the individual from licensure. The pre-licensure request form can be obtained by contacting the Water License Program.

The Rules may be viewed at this website:

https://www.healthy.arkansas.gov/images/uploads/rules/WATER_OPERATOR_LICENSING.pdf

For additional information on the criminal history review, please internet search Ark. Code Ann. §17-3-102 et. seq. for a listing of criminal offenses of concern. The Rules require individuals with a criminal history to declare such on their Water License Application and provide detailed information on their criminal offenses. The Rules have language that allows the License Committee to grant a waiver in certain circumstances, also detailed in above law citation.

Save time and effort use correct application.

Pandemic Update – Mandatory Training & License Exams

All mandatory training courses for license exam preparation are available. Many are returning to the normally used sites around the State. For a complete listing of all available mandatory training courses see the mandatory training list in this newsletter.

The Arkansas Rural Water Association (ARWA) adjusted their 2021 training schedule with most courses offered at their training center in Lonoke with some courses held off-site. Please be sure to register for the course in that classroom space is limited due to the pandemic. Classes are free of charge for ARWA members.

The Arkansas Environmental Training Academy (AETA) has adjusted their 2021 training by adding virtual attendance to all planned courses held at the Academy in Camden. The virtual classes held at the Academy will feature traditional classroom space within the Academy with Zoom technology utilized for virtual attendance during the course, providing real time, instructor led courses. This hybrid attendance is free of charge. To attend using Zoom you need a computer with suitable internet service, a webcam, microphone, speakers, adequately sized screen to see presentation slides (cell phones not suitable), and a quite/distraction free workspace is critical. You must register for the desired course.

Also, there are alternative ways to meet most of the mandatory training requirements. The Academy offers the mandatory courses via internet courses, there are correspondence courses available, and certain college degrees can be substituted for some of the mandatory courses. This website details these methods: <https://www.healthy.arkansas.gov/images/uploads/pdf/drinking-water-MandTrng.pdf>

Please visit our "Obtaining A Water License" website: <https://www.healthy.arkansas.gov/water-license> for an overview of the water licensing process, including the above items.

ARKANSAS DEPARTMENT OF HEALTH
Arkansas Water Operator Licensing Program

Water License Renewal Update 2021 Renewal Cycle

Renewal documents/invoices were mailed in mid-May, most renewals have been submitted to ADH, and wallet cards with June 30, 2023 expirations are being mailed. If your fee payment has been received (check cashed/on-line payment confirmed) and your renewal card has not been received in over 6 weeks, please contact the Water Licensing Program.

2021 Renewal Instructions:

To renew licenses in 2021, license holders, with wallet cards expiring June 30, 2021, must submit their renewal invoice with payment, with a completed renewal contact information form included, and the license will be renewed, with a June 30, 2023 expiration date.

Failure to submit the renewal by June 30, 2022, will result in the loss of the license.

To be clear, the only change in the renewal process will be no requirement/need to document training hours, see below section.

Expired Licenses

Expired licenses – Licenses with a June 30, 2021 expiration date will remain active/current 90 days past expiration or September 30, 2021. If you have not received your renewal invoice, please contact the water licensing program. In addition, renewals received after July 31, 2021, are subject to a \$5.00 renewal penalty, which will be assessed and invoiced at that time. The penalty invoice serves as your final individual written notice of non-renewal.

Renewal Hours Not Required - WAIVED

Please feel free to share the below information.

As previously reported the 24 hours of renewal training instruction requirement, for the two-year renewal period of July 1, 2019 to June 30, 2021 is **waived**. **NO** continuing education (renewal training) will be required to renew Water Treatment Licenses, Water Distribution Licenses or Very Small Water System Licenses. (This action does not apply to wastewater licenses.)

2023 Renewal Cycle

Renewal Hours Requirements - RETURN

The 24 Renewal hour requirement (12 must be Direct other 12 more Direct or Indirect) returns for the July 1, 2021 to June 30, 2023 renewal cycle. Any renewal hours earned prior to June 30, 2021 **cannot** be carried forward and used in the 2023 renewal cycle.

If you have any questions, please contact the Water Operator Licensing Program.

Arkansas Water Operator Licensing 2021 Mandatory Training Course Schedule

Please contact the course sponsor to register for course well in advance of course date this now includes PWS Compliance Course registration on their course registration websites.

The entire course must be attended to receive mandatory course completion credit.

The most current Mandatory Training Schedule with location information is available at

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

Mandatory Course Name	Start Date	End Date	Time	City	Location	Sponsor
Basic Water Math	8/2/21	8/15/21	TBA	Internet	http://www.sautech.edu/aeta/	AETA
Intermediate Water Distribution	8/10/21	8/12/21	8:00 AM	Mt. Home	Charles R Newton Emer Serv Trng Center, Midway	ARWA
Applied Water Math	8/16/21	8/29/21	TBA	Internet	http://www.sautech.edu/aeta/	AETA
Basic Water Math	8/17/21	8/17/21	8:00 AM	Lonoke	ARWA Training Facility, 240 Dee Ln	ARWA
Intermediate Water Treatment	8/17/21	8/19/21	8:00 AM	N Little Rock	CAW Maryland Complex, 1500 West Maryland Ave	AETA
ADH PWS Compliance	8/18/21	8/18/21	8:00 AM	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	ARWA
Applied Water Math	8/19/21	8/19/21	8:00 AM	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	ARWA
Basic Water Math	8/24/21	8/24/21	8:00 AM	Centerton	Centerton Utilities, 517 N. Main St., Centerton AR	AETA
ADH PWS Compliance	8/25/21	8/25/21	8:00 AM	Centerton	Centerton Utilities, 517 N. Main St., Centerton AR	AETA
Applied Water Math	8/26/21	8/26/21	8:00 AM	Centerton	Centerton Utilities, 517 N. Main St., Centerton AR	AETA
Basic Water Distribution	9/6/21	9/26/21	TBA	Internet	http://www.sautech.edu/aeta/	AETA
Basic Water Treatment	9/6/21	9/26/21	TBA	Internet	http://www.sautech.edu/aeta/	AETA
Advanced Water Treatment	9/7/21	9/9/21	8:00 AM	Greers Ferry	Community Water System, 299 Lakeshore Drive	AETA
Basic Water Math	9/14/21	9/14/21	8:00 AM	Camden/Zoom	AR Env Training Academy, 6287 Spellman & Zoom	AETA
Applied Water Math	9/15/21	9/15/21	8:00 AM	Camden/Zoom	AR Env Training Academy, 6287 Spellman & Zoom	AETA
ADH PWS Compliance	9/16/21	9/16/21	8:00 AM	Camden/Zoom	AR Env Training Academy, 6287 Spellman & Zoom	AETA
Advanced Water Distribution	9/28/21	9/30/21	8:00 AM	Centerton	Centerton Utilities, 517 N. Main St., Centerton AR	AETA
Advanced Water Distribution	9/28/21	9/30/21	8:00 AM	Mt. Home	Charles R Newton Emer Serv Trng Center, Midway	ARWA
Intermediate Water Distribution	10/4/21	10/24/21	TBA	Internet	http://www.sautech.edu/aeta/	AETA
Intermediate Water Treatment	10/4/21	10/24/21	TBA	Internet	http://www.sautech.edu/aeta/	AETA
Basic Water Distribution	10/5/21	10/7/21	8:00 AM	Little Rock	CAW Clearwater Complex, 11 Clearwater Drive	AETA
Basic Water Math	10/11/21	5/3/21	8:00 AM	Hot Springs	Water Conference, Hot Springs Convention Center	AETA
Applied Water Math	10/12/21	5/4/21	8:00 AM	Hot Springs	Water Conference, Hot Springs Convention Center	AETA
ADH PWS Compliance)	10/12/21	5/4/21	8:00 AM	Hot Springs	Water Conference, Hot Springs Convention Center	AETA
Basic Water Treatment	10/12/21	10/14/21	8:00 AM	Springdale	Jones Center, Springdale	AETA
Basic Water Treatment	10/19/21	10/21/21	8:00 AM	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	ARWA
Basic Water Math	10/19/21	10/19/21	8:00 AM	Jonesboro	CWL Operations Facility, 105 W Johnson Ave	AETA
Applied Water Math	10/20/21	10/20/21	8:00 AM	Jonesboro	CWL Operations Facility, 105 W Johnson Ave	AETA
ADH PWS Compliance	10/21/21	10/21/21	8:00 AM	Jonesboro	CWL Operations Facility, 105 W Johnson Ave	AETA
Basic Water Math	10/26/21	10/26/21	8:00 AM	Little Rock	CAW Clearwater Complex, 11 Clearwater Drive	AETA
Applied Water Math	10/27/21	10/27/21	8:00 AM	Little Rock	CAW Clearwater Complex, 11 Clearwater Drive	AETA
ADH PWS Compliance	10/28/21	10/28/21	8:00 AM	Little Rock	CAW Clearwater Complex, 11 Clearwater Drive	AETA
Advanced Water Distribution	11/1/21	11/28/21	TBA	Internet	http://www.sautech.edu/aeta/	AETA
Advanced Water Treatment	11/1/21	11/28/21	TBA	Internet	http://www.sautech.edu/aeta/	AETA
Basic Water Math	11/1/21	11/14/21	TBA	Internet	http://www.sautech.edu/aeta/	AETA
Intermediate Water Treatment	11/2/21	11/4/21	8:00 AM	Lowell	Beaver Water Dist, 301 N Primrose Rd	AETA
Intermediate Water Treatment	11/2/21	11/4/21	8:00 AM	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	ARWA
Intermediate Water Distribution	11/9/21	11/11/21	8:00 AM	N Little Rock	CAW Maryland Complex, 1500 West Maryland Ave	AETA
Basic Water Math	11/16/21	11/16/21	8:00 AM	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	ARWA
Intermediate Water Distribution	11/16/21	11/18/21	8:00 AM	Jonesboro	CWL Operations Facility, 105 W Johnson Ave	AETA
ADH PWS Compliance	11/17/21	11/17/21	8:00 AM	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	ARWA
Applied Water Math	11/18/21	11/18/21	8:00 AM	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	ARWA
Advanced Water Treatment	11/30/21	12/2/21	8:00 AM	Little Rock	CAW Clearwater Complex, 11 Clearwater Drive	AETA
Advanced Water Distribution	12/7/21	12/9/21	8:00 AM	Little Rock	CAW Clearwater Complex, 11 Clearwater Drive	AETA
Basic Water Distribution	12/14/21	12/16/21	8:00 AM	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	ARWA

WATER OPERATOR PAPER BASED EXAM SCHEDULE

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

You must register for the paper based 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/water-license, see Step 5.

Listed below are the dates and locations of examination sessions as scheduled, as of **March 29, 2021**. All Treatment and Distribution exam grades will be available at the sessions. Acceptable photo identification (Driver's 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
The below sessions are planned to be held provided pandemic guidelines will allow use of exam rooms.				
9/1/2021	7/20/2021	Hot Springs	ARWA Conference, HS Convention Center	9:00 AM
9/2/2021	7/20/2021	Mtn. Home	Baxter Co OEM Training Facility, 170 Dillard Dr, Midway	9:00 AM
9/2/2021	7/20/2021	Rogers	Rogers Water Utility Training Rm, 521 South 2nd St	1:00 PM
9/3/2021	7/20/2021	Fayetteville	Fayetteville Operations Center, 2435 S Industrial Dr	9:00 AM
9/3/2021	7/20/2021	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	9:00 AM
9/10/2021	7/27/2021	Camden	AR Environmental Training Academy, 6287 Spellman Road	9:00 AM
9/10/2021	7/27/2021	Clarksville	CLW (Operations Bld) 710 East Main (Hwy 64 East)	9:00 AM
9/10/2021	7/27/2021	Jonesboro	Jonesboro CWL Office Training Rm, 400 E Monroe	9:00 AM
10/13/2021	8/30/2021	Hot Springs	AWW&WEA Annual Conf, HS Convention Center	9:00 AM
12/2/2021	10/19/2021	Rogers	Rogers Water Utility Training Rm, 521 South 2nd St	1:00 PM
12/3/2021	10/19/2021	Fayetteville	Fayetteville Operations Center, 2435 S Industrial Dr	9:00 AM
12/3/2021	10/19/2021	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	9:00 AM
12/3/2021	10/19/2021	Nashville	Carter Day Center, 200 Lake Nichols Drive	9:00 AM
12/10/2021	10/26/2021	Camden	AR Environmental Training Academy, 6287 Spellman Road	9:00 AM
12/10/2021	10/26/2021	Clarksville	CLW (Operations Bld) 710 East Main (Hwy 64 East)	9:00 AM
12/10/2021	10/26/2021	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 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.

TRAINING CONFERENCES:

Due to the uncertainties created by the ongoing pandemic, operators interested in attending training conferences are encouraged to check the webpages of the various waterworks organizations to verify current plans for the conferences. The various websites are:

Arkansas Water Works & Water Environment Association www.awwwea.org

Arkansas Water & Wastewater Managers Association www.arkwwma.org

Arkansas Rural Water Association www.arkansasruralwater.org

Major Monitoring, MCL, Treatment Technique, & Licensing Violations

Community & Nontransient Noncommunity Public Water Systems, Jan. – Mar. 2021

ADC EAST ARKANSAS	Bmon 1	OLD UNION PUBLIC WATER	Dmon 3
AMITY WATERWORKS	TMCL 1	OZAN WATERWORKS	GWRMCL 1, 2, 3
BANKS WATERWORKS	PN 1	OZAN WATERWORKS	OperLic 1, 2, 3
BASSETT WATERWORKS	Bmon 2, 3	OZAN WATERWORKS	PN 2, 3
BASSETT WATERWORKS	OperLic 3	OZARK WATERWORKS	Tmon 2
BELLEVILLE WATER	DBPR 1, 2, 3	PICKENS WATERWORKS	Bmon 1
BISCOE WATERWORKS	OperLic 1, 2	PORTLAND WATERWORKS	Bmon 2
BODCAW RURAL WATER	DBPR 1, 2, 3	PORTLAND WATERWORKS	DBPR 1, 2, 3
BOIS D'ARC WATER SYSTEM	Bmon 1, 2, 3	SANDRIDGE-BARDSTOWN	Bmon 2, 3
BOIS D'ARC WATER SYSTEM	OperLic 1, 2, 3	SANDRIDGE-BARDSTOWN W	OperLic 3
BOIS D'ARC WATER SYSTEM	PN 1, 2, 3	SPARKMAN WATERWORKDS	Bmon 2
BRANCH WATERWORKS	DBPR 1, 2, 3	SUNSET WATER ASSN	Bmon 3
CHICOT JUNCTION WATER	Bmon 1	TRI-COUNTY RWDD-MOORES	DBPR 1, 2, 3
COMPTON WATERWORKS	Bmon 1	CHAPEL	
COMPTON WATERWORKS	OperLic 1, 2, 3	WABBASEKA WATERWORKS	Bmon 1, 3
COMPTON WATERWORKS	PN1, 2	WABBESEKA WATERWORKS	OperLic 1, 2, 3
DANVILLE WATERWORKS	TMCL 1, 2	WABBESEKA WATERWORKS	PN 1, 3
DANVILLE WATERWORKS	Dmon 3	WEST HELENA WATERWORKS	OperLic 2, 3
DANVILLE WATERWORKS	DBPR 1, 2, 3	WIDENER WATERWORKS	Bmon 1
DEVALLS BLUFF WATER	OperLic 1, 2	WILLIFORD WATERWORKS	Bmon 2
DYER WATERWORKS	DBPR 1, 2, 3		
DYER WATERWORKS	Dmon 3		
EAST NEWTON COUNTY	Bmon 1		
EASTSIDE HOMEOWNERS	Bmon 1		
EL DORADO WATERWOKS	IMCL 1, 2, 3		
FOUNTAIN HILL WATERWORKS	DBPR 1, 2, 3		
HACKETT WATERWORKS	DBPR 1, 2, 3		
HARMONY WATER ASSN	DBPR 1, 2, 3		
HELENA WATER SEWER	OperLic 2, 3		
HICKORY RIDGE WATER	Bmon 1, 2		
HOLLY GROVE WATERWORKS	PN 3		
HORSESHOE LAKE UTILITIES	Bmon 1		
HOSANNA HEIGHTS WATER	Bmon 2		
HOSANNA HEIGHTS WATER	GWRmon 3		
HOXIE WATER DEPARTMENT	PN 3		
HUMPHREY WATERWORKS	Bmon 1		
HUMPHREY WATERWORKS	OperLic 1, 2, 3		
HUMPHREY WATERWORKS	Dmon 1		
HUMPHREY WATERWORKS	PN 1, 2, 3		
JOHNSON TOWNSHIP WATER	DBPR 1, 2, 3		
KIBLER WATER SYSTEM	DBPR 1, 2, 3		
LAKE CHICOT WATER ASSN	Bmon 1		
LAKE VIEW MUNICIPAL WATER	GWRmon 3		
LAKE VIEW MUNICIPAL WATER	PN 1		
LAKESHORE ESTATES WATER	Bmon 1		
LAKESIDE WATER ASSN	DBPR 1, 2, 3		
LEE COUNTY WATER ASSN	DBPR 1, 2, 3		
LEISURE HILLS MHP	Bmon 1, 2		
LITTLE RIVER CO RDA	DBPR 1, 2, 3		
LITTLE RIVER CO RDA	Tmon 1, 2		
MAGAZINE WATERWORKS	Bmon 2		
MAGNOLIA WATERWORKS	Dmon 3		
MARION WATERWORKS	Bmon 3		
MILLTOWN-WASHBURN	DBPR 1, 2, 3		
MONTROSE/BOYDELL WATER	DBPR 1, 2, 3		
MONTROSE/BOYDELL WATER	PN 3		
MORO WATERWORKS	DBPR 1, 2, 3		
MOUNT IDA WATERWORKS	PN 3		
NE YELL COUNTY WATER	DBPR 1, 2, 3		
NORTH PIKE CO RURAL	Bmon 2		
OLD UNION PUBLIC WATER	Bmon 1, 2		

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 2021, 2 = February 2021, 3 = March 2021

ENGINEERING SECTION
ARKANSAS DEPARTMENT OF HEALTH
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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.