



ARKANSAS DRINKING WATER UPDATE

Rules and Regulations Finalized

Jeff Stone, P.E., Director

Changes to the Arkansas Department of Health’s Rules and Regulations Pertaining to Public Water Systems have been finalized and are now effective.

The revised Rules and Regulations became effective on February 24, 2014. The Rules and Regulations were given final approval and signed by the agency Director, Dr. Nathaniel Smith, M.D., M.P.H., on January 23, 2014. A copy of the Rules and Regulations can be downloaded from the Arkansas Department of Health’s web page at <http://www.healthy.arkansas.gov/aboutADH/RulesRegs/PublicWater.pdf>. A paper copy of the Rules and Regulations can be obtained by sending a written request to: Jeff Stone, Director, Engineering Section, 4815 West Markham, Slot 37, Little Rock, AR 72205-3867.

The Rules and Regulations were revised in order to clarify the National Sanitation Foundation (NSF) certifications required in order to document that components utilized in public water systems comply with the new federal low lead limitations. Section VII. G. Approved Chemicals, Materials, Equipment, and Processes now states:

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

The change in the federal definition of “lead free” requires public water systems to change out most of their repair inventory of brass and bronze components including water meters to new components that contain less lead and are appropriately certified. The Arkansas Department of Health will check during sanitary survey inspections that water systems are utilizing correct components. Component certifications can be verified by visiting the webpages belonging to the certification agencies such as the National Sanitation Foundation (NSF), Underwriters Laboratory (UL), or the Water Quality

Association (WQA). Product vendors and technical representatives should be able to provide documentation of certifications concerning the products that they sell.

During the Fall of 2013, a controversy arose concerning the applicability of the new lead free definition concerning fire hydrants. Initially, the Environmental Protection Agency indicated that fire hydrants would be required to comply. However, a law passed through Congress and was signed by the President that specifically excluded fire hydrants from these requirements. Utilities were then assured that they could continue utilizing their existing inventory of fire hydrants. Even though fire hydrants are not required to comply with the new lead free requirements, the National Sanitation Foundation Standard 61 (NSF Standard 61) was modified during the past year to include fire hydrants under that standard. When water systems order new fire hydrants to replenish their inventory, they should verify that they are purchasing fire hydrants that are certified to NSF Standard 61. Almost all fire hydrant manufacturers now offer products that are NSF Standard 61 certified.

Two other common components of water systems are also excluded from the new lead free requirements. They are service saddles and distribution main gate valves two inch diameter and larger.

Backflow preventers must comply with the new lead free requirements if they are utilized on a line that serves potable water use. However, if the backflow preventer is on a line that serves a non-potable use such as a lawn sprinkling system, it does not have to comply.

This office remains available to assist water operators in determining if specific products or components comply with the new lead free requirements. The National Sanitation Foundation (NSF), Underwriters Laboratories (UL), and the Water Quality Association (WQA) maintain internet web pages that list certified products that comply. If you have any questions concerning the new lead free requirements or if assistance is needed in verifying a product certification, please contact your District Engineer or Environmental Specialist.

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WATER FLUORIDATION TRAINING

June 4/5, 2014

Pea Ridge

Community Room

12 hour course Presented by Arkansas Department of Health, Engineering Section

Course overview:

ADH is offering a one and one-half day (12 hours of water license renewal credit) class room and hands-on school that will educate the operator about the benefits of water fluoridation and the proper methods for implementing water fluoridation. Hands-on training will include the use of different testing instruments and chemical feeders. Attendance of both days of the school is recommended and encouraged. However, partial attendance of specific topics or a portion of each day will be allowed with partial credit (less than 12 hours training) given. The proposed agenda to be covered is prented below.

Who should attend?

The primary purpose of this course is to improve the quality of water fluoridation in Arkansas. Operators/managers of all systems are encouraged to attend. Operators of systems that fluoridate are encouraged to bring their fluoridation testing equipment, including the instrument manual and sample cells, to the class. Also, please bring a calculator. A large portion of the class will be dedicated to hands-on training.

Registration and cost information

The Engineering Section presents this course at no charge to the participant. Please inform your staff of the availability of this school. We request water system personnel pre-register if planning to attend by calling or emailing Glenn Greenway at 501-661-2623 or glenn.greenway@arkansas.gov.

AGENDA

Day One

<u>Time</u>	<u>Subject</u>
8:30-9:00	Registration
9:00-10:00	Fluoridation and Public Health
10:00-11:00	Fluoride Chemicals and Feeders
12:00-1:00	Lunch
1:00-4:00	Feeder Rate Calculations and Calibration

Day Two

8:00-8:15	Registration
8:15-8:45	Fluoride Reporting
8:45-9:15	Fluoride Safety
9:15-10:30	Fluoride Test Methods
10:30-12:00	Fluoride Analysis

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.

Consumer Confidence Reporting for 2013

Tyrone Tidwell, Environmental Specialist

As required by the EPA's Consumer Confidence Report (CCR) Rule, each year by July 1st all community water systems in Arkansas must submit a water quality report to their customers and the Arkansas Department of Health. The required method of delivery to customers is based on the retail population served by the water system. By October 1st of each year, the systems must also provide the State with certification that the report was appropriately distributed to customers, and that the information contained in the report was correct and consistent with compliance monitoring data previously submitted to the State. Systems that sell water to other systems are required to provide their consecutive systems with applicable CCR data by April 1st of each year so that those systems have time to prepare their own reports. New community water systems must meet all requirements of the CCR Rule by July 1st after the first complete calendar year of operation. Systems are required to maintain copies of their CCRs for 3 years, and deliver copies of the report upon request.

Consumer Confidence Reports may now be delivered to customers by electronic delivery. This method may eliminate the need to mail a copy to each customer or to place the CCR in a local newspaper resulting in monetary and environmental savings. A few points to remember are that notification that the CCR is available on a website must be provided to each customer in writing, either as an insert or printed on the water bill. The water system must provide a direct URL to the CCR. The water system may use its own website or the one provided by the Health Department. Documentation of the water bill or notification that the CCR was delivered to the customers must be returned to our office. If the electronic delivery method is utilized two notifications must be sent with one being before July 1st.

The Consumer Confidence Report should contain information on the quality of drinking water the water systems deliver to their customers. The consumers can use this information to make informed decisions about their water usage. The report can be particularly important for people with health conditions that make them more susceptible to the health effects of drinking water contamination.

If you'd like to learn more about composing your water system's Consumer Confidence Report,

you may attend one of the CCR training sessions presented at the Health Department in Little Rock on Thursday, April 10th from 10:00 AM – Noon and Tuesday, April 29th, from 9:45 – 10:45 at the AWW&WEA Annual Conference. For more information, or to register for the training in Little Rock, please call Tyrone Tidwell or Doug Dawson at 501-661-2623.

No-Cost Assistance Provided for Systems with Fewer than 10,000 People

Greg Alexander, Environmental Specialist

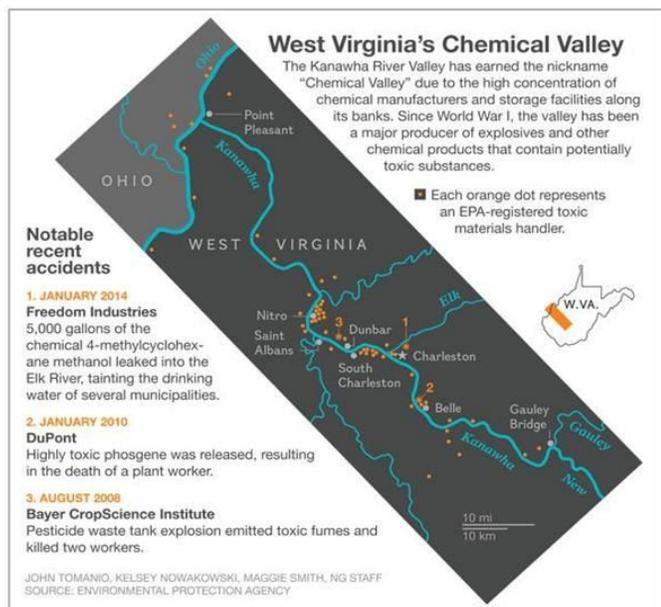
The Engineering Section's Capacity Development Program, through its contractor Arkansas Rural Water Association, currently offers assistance which includes, but is not limited to, the following areas:

- Understanding how your system operates
- Understanding your system's water loss
- Assistance with special equipment
- Assistance with sampling techniques and site plans
- Assistance with daily reports and record-keeping
- Developing a budget
- Understanding available loan and grant programs
- Setting rates and determining if they are affordable to your customers
- Creating an asset management inventory and long range plan
- Creating an emergency response plan

If you are interested in receiving assistance from our Capacity Development program, or would like more information, please contact Greg Alexander, Capacity Development Coordinator, at 501-280-4023 or you may email Greg at gregory.alexander@arkansas.gov .

Elk River West Virginia Chemical Spill: Lessons Learned for Public Water Systems

Darcia Routh, P.G., Geologist Supervisor



On January 9, 2014, 7500 gallons of a mixture of 4-methylcyclohexanemethanol (MCHM) and glycol ethers was released from a Freedom Industries facility (tank farm) in Charleston, WV into the Elk River, about 1.5 miles upstream of the intake, treatment and distribution center of West Virginia American Water. The public water system first learned of the contamination when the chemical overwhelmed the filter system and passed through the treatment plant into the distribution system. Up to 300,000 residents in nine counties were not able to access potable water for more than 5 days. Fourteen people were hospitalized and an additional 169 people sought medical help. Customers are still complaining of odors and health impacts over two months after use restrictions were lifted. The state of emergency issued by West Virginia remained in place for 50 days. This chemical (MCHM) is not regulated by the Safe Drinking Water Act.

How can you prevent this from happening to your public water system? Poor communication between the storage facility and the public water system and slow response to the incident led to this preventable situation. ADH Source water protection program staff recommend you take the following steps to minimize risks to your drinking water source.

Know the threats within your intake's watershed, especially where large quantities of chemicals are stored. AR Department of Environmental Quality has an online inventory of permitted sites,

including regulated storage tanks holding hazardous wastes. ADH is happy to help you access this data.

Know what chemicals are stored. All facilities should have access to Material Data Safety Sheets for onsite chemicals stored. The chemical mixture that leaked from the WV facility was not subject to regulation under the Safe Drinking Water Act or other US EPA regulatory programs for hazardous wastes. It is, however, listed on the list of chemical substances manufactured or processed in the United States. Storage facilities that are good neighbors should be willing to share all information about chemicals stored in your watershed.

Know if the chemicals are regulated and by whom. In Arkansas, above ground storage tanks (1320 to 40,000 gallons) are registered with the ADEQ-Regulated Storage Tank Division, while smaller tanks are exempt and tanks over 40,000 gallons are regulated by industrial stormwater NPDES permits with the ADEQ-Water Division. The state Fire Marshal's office within the Arkansas State Police is in charge of installation compliance and inspections of tanks between 1,320 and 40,000 gallons.

Verify if the facility has a comprehensive spill prevention control and countermeasures plan. It's a good idea to have a copy of the plan, and be sure they have up-to-date emergency contact information for your water system. US EPA requires these plans for all hydrocarbon storage facilities, and in AR US EPA Region 6 regulates these directly.

Know what type of secondary containment is present at the storage facility. While state and federal laws do not mandate any particular materials be used for containment berms, the most protective would be made of concrete with functional valves present to drain rainwater and would be adequate to contain 125% of the volume of the largest tank present. Verify that the berms consist of materials which will impede release of chemicals if tanks rupture or leak. If made of compacted clay, the materials should be tested to verify the hydraulic conductivity is low enough (order of 1.0×10^{-7}) to impede flow through the barrier. Gravel berms are present at some of the larger tank farms in AR; however, gravel will not prevent a release from leaving the site.

Have an up-to-date emergency plan that allows you to respond quickly to spills or other contamination events.

When selecting a new source location for a surface intake, **complete an inventory of all potential sources of contamination** and then place as much importance on avoiding any risks present as on other selection factors such as proximity to water system infrastructure.

ADH Source Water Protection staff stands ready to assist you in assessing and preventing risks to your source water, including those from chemical storage facilities. Help us help you by contacting us with any

questions regarding a particular chemical storage facility, or to request an update to your potential sources of contamination inventory.



Freedom Industries, Charleston WV facility on the banks of the Elk River, with remediation efforts in progress.

Fluoridation Repair Funding Available

Carol Amerine, Office of Oral Health

The Office of Oral Health, Arkansas Department of Health, would like to announce that funding is available through the office for 1) water systems who currently fluoridate and are in need of equipment repair assistance, and 2) community water systems serving less than 5,000 people (not subject to ACT 197) that need financial assistance to purchase new fluoridation equipment to begin providing fluoridated water to customers. Examples of fluoridation equipment that could be funded: pumps, scales, dry chemical feeders, appurtenances, etc. Water systems will be chosen based upon needs identified by the State Fluoridation Engineer and his team of engineers. Due to limited funding, all attempts will be made to leverage funding with potential funding sources.

For information, please contact: Carol Amerine, 501-661-2051, carol.amerine@arkansas.gov or Glenn Greenway, 501-661-2554, glenn.greenway@arkansas.gov.

Source Water Protection

Substantial Implementation Status - Is Your System In?

Stephanie Burchfield, Environmental Specialist

Source Water Protection is an essential part of the multiple barrier approach to water treatment. Community public water systems with an active Source Water Protection Program are classified by the Arkansas Department of Health to have a status of "Substantial Implementation" if they meet the following definition. "Substantial Implementation" is any community water system that has a Source Water Protection program (SWP) in place with the following components: a management team, a Source Water Assessment Program (SWAP) report or Wellhead Protection Program (WHPP) delineation (aka Phase I report), an inventory of potential sources of contamination (aka Phase II report), and one of the following control measures/management strategies:

1. SWP/WHPP ordinance or resolution

OR any **two** of the following:

2. SWP Emergency/Contingency plan, public outreach program, drinking water protection signs, and/or any other control measure/management strategy deemed acceptable by the state.

It is advantageous for water systems to be classified under the substantial implementation status. Being able to claim this designation instills consumer confidence in the water system, gaining public support. By taking the extra steps required to gain this status, water systems build community awareness and decrease the chances a spill or problem will go unreported. Also, the designation can be helpful for smaller water systems if they ever need to apply for a grant to fund system upgrades or improvements.

The US Environmental Protection Agency's goal is for all water systems to have a substantially implemented Source Water Protection program. As of October 2013, 364 out of the 707 community public water systems in Arkansas (52%) are considered to have a substantial implementation status, with a total 1,834,508 of 2,757,619 population of the state (66.5%) being served by a water system under this category.

ADH would like all PWS to be included in this category and is available as a resource to help all interested operators achieve this status for their system. The best way for operators to be proactive about achieving this status is to adopt a source water protection ordinance or resolution, make sure there is an up-to-date emergency plan in place, and to install drinking water protection signs. ADH source water protection staff has an example source water protection ordinance/resolution available upon request, as well as detailed information on installing drinking water protection signs. If you are interested, please call Stephanie Burchfield for assistance at (501) 280-4428.

ADH is going to start recognizing all the systems that have recently reached this substantial implementation status in our newsletter.

Public water systems achieving the Substantial Implementation Milestone since October 2013:

Biscoe Waterworks
Dardanelle Waterworks
Melbourne Waterworks
Sardis Water Association

Briarcliff Waterworks
Maumelle Water Corporation
Rambo Riviera SD Waterworks
Stamps Waterworks

Congratulations to the above public water systems for reaching the Substantial Implementation Milestone by making the extra effort to protect their valuable water resources.

Focus on Security: Water Source Redundancy

Jeff Stone, P.E., Director

Public water systems recognize the importance of providing an un-interrupted potable water supply to a community, and systems take many steps and measures to ensure that the potable water supply to the community is not interrupted during emergencies. Common measures that are taken include provision of duplex pumping equipment, duplex treatment units, auxiliary power supplies, and multiple elevated storage tanks. Provision of redundant equipment or treatment systems is expensive but during emergencies may mean the difference between a water outage or a continued un-interrupted supply to customers. Also important is the need to arrange for redundancy of supply if possible.

Whenever possible, water systems should attempt to have a back-up supply of water that can be utilized when responding to emergencies. It should be noted that water source redundancy will enhance a water systems ability to cope with both natural disasters such as storm effects as well as malicious acts such as vandalism. Water source redundancy can take many forms that include:

- * Ground Water Source Redundancy
- * Surface Water Source Redundancy
- * Off Stream Storage
- * Emergency Connections To Other Systems

Ground Water Source Redundancy: Most systems that utilize ground water as a source are supplied by more than a single well. Multiple wells enable a water system to perform repairs on a single well while other wells maintain the water supply. It is important that water systems periodically evaluate their peak summertime water demands and ensure that they have extra capacity above and beyond peak demands. Well failure is very common during periods of peak demand when wells are often called upon to operate 24 hours a day for weeks at a time. Approximately 215 public water systems in Arkansas utilize multiple wells for source water while approximately 130 water systems rely upon a single well.

Surface Water Source Redundancy: Developed surface water sources are probably the most expensive component of public water systems. Normally, a surface water supplied system only has opportunity to develop water source redundancy when increased water demands have caused the water system to develop additional sources of water. While the original water source may no longer be adequate to meet peak demands, continued maintenance of the original water source may provide the ability to meet demands during

short lived emergencies. Approximately 10 public water systems in Arkansas utilize more than one surface source while approximately 60 water systems rely upon a single surface source.

Off Stream Storage: Every surface water source could benefit from an off stream storage reservoir. The benefits of an off stream storage reservoir include not only the ability to cope with mechanical or power failure at the intake site but also enhance the ability to cope with periodic summertime droughts. An off stream reservoir sized to hold a volume equal to 90 days of average demand will usually enable a water system to cope with all but the most extraordinary droughts without resorting to extreme water conservation measures. Just as importantly, off stream storage will enable a water system to harvest the best quality water from the primary source while allowing poorer quality water to flow on downstream following rainfall events. Likewise, off stream storage allows a water system to avoid using the primary source when chemical spills occur or the water quality is questionable for some other reason. Approximately 6 public water systems in Arkansas that utilize a surface source also have off stream storage capability.

Emergency Connections: A few water systems in the state maintain emergency connections to other water systems. In many cases, the distances between water systems prohibit emergency connections. However, when practical, emergency connections can enable a water system to provide a minimal amount of water to customers following equipment failures or line breaks. If water systems are willing to cooperate in this manner, appropriate contracts should be in place so that allowable usage amounts, duration, and use charges are understood and agreed upon.

Partial versus Complete Redundancy: While it may be cost prohibitive to provide complete source redundancy to meet peak water demands, it may be possible to provide partial redundancy that will enable a water system to meet critical demands while instituting conservation measures. Customers may be much more tolerant of conservation measures that eliminate lawn watering versus a complete outage that does not provide for even the most basic uses of drinking and food preparation.

Emergency Planning: All water systems, regardless of ability to provide redundancy of supply, should have up-to-date emergency planning documents that identify sources of bottled water or hauled water for emergency response purposes. Many water systems have had to respond to natural disasters by providing customers with bottled water or hauled water while emergency repairs are completed. Identifying sources of bottled water, water buffalos or trucks, or portable treatment units will enable a water system to react more quickly and effectively.

Water systems are encouraged to include elements in long range planning that will enhance source water redundancy when possible. Water systems should maintain long range plans that span a 15 to 20 year planning period.

Drinking Water License Program Critical Water Operator License Program Changes

Martin Nutt, Licensing and Certification Officer

Examinee Must Reserve/Register For Exam

- Effective July 1, 2014, examinees **must** formally register/schedule their exam at least 45 days prior to the desired exam session date. To register, please call (501) 661-2623, ask for Water Licensing Program or e-mail ADH.Water.Licensing@arkansas.gov providing desired exam information. A webpage to register is also under development.
- For exam sessions held before July 1, 2014, the examinees should register/schedule the water license exam at least 45 days prior to the desired exam session.
- To register for an exam, in addition to the actual registration process, the examinee must have the required license application submitted, paid the required exam fee, and be able to document the ability to meet the mandatory training attendance requirements by the time of examination.

Exam Schedule Changes

- Effective July 1, 2014, exam session scheduling will significantly change. The Program will offer quarterly exam sessions. Exam sessions at the conclusion of all mandatory treatment and distribution courses will no longer be available. See table *Exam Session Schedule* for scheduled dates and locations.

Exams Changes

- Effective July 1, 2014, the Water Licensing Program will switch from client-customized Association of Boards of Certification (ABC) exams to the ABC national standardized exams. The number of exam items, also called questions, will be reduced from 120 items to 100 items for all treatment and distribution exams. The very small water system exam will reduce from 70 items to 50 items. The minimum exam passing score will remain at 70 percent. The exam items style and content will not change. However, Arkansas regulation items will be removed. Items in reference to Federal regulations and standards will remain on the exams. The exam preparation manuals do not change. Additional information for ABC standardized exams is on ABC's internet site at: http://www.abccert.org/testing_services/info_examinees.asp. Additional exam preparation information will be developed and provided to license applicants.
- Effective July 1, 2014, reduction in exam items will also have a reduction in exam time to the ABC prescribed three hours. The time change should have minimal impact. Many examinees complete the present 120 item exam within three hours.

The above changes are necessary to meet ABC exam policy changes, ABC exam contract changes, and to address Engineering Section concerns over staff time and travel expenses dedicated to proctoring the large number of present exam sessions many with five or fewer examinees.

Exam Session Schedule			
(Effective July 2014)			
Location	Fall 2014	Winter 2014	Future Exam Sessions
Lonoke	Sept 5, 2014	Dec 5, 2014	Similar exam sessions planned for March, June, September, and December 2015, plus the AWW&WEA and ARWA annual conferences.
Fayetteville	Sept 5, 2014	Dec 5, 2014	
Mountain Home	Sept 5, 2014	No Exam Session	
Nashville	No Exam Session	Dec 5, 2014	
Camden	Sept 12, 2014	Dec 12, 2014	
Jonesboro	Sept 12, 2014	Dec 12, 2014	
Clarksville	Sept 12, 2014	Dec 12, 2014	
Hot Springs (ARWA Conf)	Sept 17, 2014		

Arkansas Water Works & Water Environment Association Annual Conference and Short School

April 27 – 30, 2014

Hot Springs Convention Center

Hot Springs, Arkansas

www.awwwea.org

Attendance at the conference can earn you up to 16 contact hours of directly applicable water license training credit for full participation in the conference. The conference consists of two (2) full days of training with six sessions each day providing 12 concurrent training topics per session. Typically, no training topic is repeated. The exhibit hall Sunday afternoon through Tuesday morning will have water industry related companies displaying their products.

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.

If you are working on Mandatory Training courses for exam purposes, the conference through Arkansas Environmental Training Academy will offer the AETA Basic Water Math course on Monday and the AETA Applied Water Math course on Tuesday. You must register for the conference through AWWWEA and the training provider to attend the courses. The ADH Public Water System Compliance course will also be offered on Tuesday. All mandatory courses start at 8:00 a.m. and end at 5:00 p.m., with a shortened lunch break. Attendance of the entire course is required to receive a course completion certificate. License Exams held Wednesday at 9:00 am at the convention center.

Arkansas Rural Water Association Annual Technical Conference & Exhibition

Hot Springs Convention Center

September 14 – 17, 2014

Hot Springs, Arkansas

www.arkansasruralwater.org

Attendance at the conference can earn you up to 16 contact hours of directly applicable water license training credit for full participation in the conference. The conference consists of two (2) full days of training. ARWA plans to have six (6) training topics offered each session, with four (4) sessions each day. Typically, no training topic is repeated. The exhibit hall Monday morning through Tuesday morning will have water industry related companies displaying their products.

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 offered during this conference. License Exams held at the convention facility.

American Water Works Association Southwest Section Annual Meeting

Hyatt Regency, Tulsa, OK

October 12 - 14, 2014

www.swawwa.org/annual-conference-home

The conference consists of two (2) full days of training. There will be three (3) training topics offered each session, with six (6) sessions each day. Typically, no training topic is repeated. There will be an exhibit hall with a wide selection of water industry related companies displaying their latest and best products. The conference is approved for a total of 16 contact hours of directly applicable water license training credit for full participation.

This conference does not provide any mandatory training courses for licensing exams or license exams.

Arkansas Drinking Water Advisory and Operator Licensing Committee

Martin Nutt, Licensing and Certification Officer

The Arkansas Drinking Water Advisory and Operator Licensing Committee held its quarterly meeting on January 22, 2014 in Lonoke, Arkansas. Committee members present were: Susan Merideth, P.E., Committee Chair, Jonesboro City Water and Light; Matthew Dunn, P.E., Committee Chair Elect, Crist Engineers, Inc.; Tim Shaw, Community Water System; Stacy Cheevers, Beaver Water District; Roger Moren, Sardis Water Association; and Jeff Stone, P.E., Executive Secretary, Arkansas Department of Health (ADH). One member Dr. Findlay Edwards, P.E., University of Arkansas was unable to attend. ADH staff & guests present were: Reginald Rogers, Legal, ADH; Martin Nutt, Training and Certification Officer, ADH; Ida Hampton, Administrative Specialist, ADH; and Dennis Sternberg, Arkansas Rural Water Association.

Standing Business

The Committee reviewed and approved the minutes from the July 16, 2013 meeting, and place holder minutes for the October 10, 2013 meeting that was cancelled. The Committee did not have a High School waiver to consider.

Old Business

The Committee received an update from Nutt related to the exam schedule and exam content changes required to meet new requirements from the Association of Boards of Certification (ABC) and reduce Engineering Section staff time spent proctoring exam sessions. He provided a handout for committee review that will begin to be provided to all license applicants and with exam failure letters. The handout outlines the exam process changes effective July 1, 2014. Examinees must schedule license exams 45 days prior to the desired exam session date. Exam sessions will cease being held at the conclusion of mandatory courses. The exams will change from 120 items to 100 items. The need to document that all mandatory training requirements, fees, and application requirements will be met by the exam session date. He then requested their approval to explore and, if feasible, implement the use of ABC Computer-Based Web-Accessed license exams provided by Applied Measurement Professionals (AMP). AMP provides the ABC Standardized License exam at their testing centers. They have a center in Little Rock, Fayetteville, Memphis, Shreveport, Tulsa, and Springfield, MO. AMP provides the on-line exams within a short timeframe but charges a facility use fee that the examinee would pay to AMP plus payment in advance to ADH for the water license exam fee. Nutt felt the facility use fee and limited sites available precluded using only AMP testing center but felt AMP would provide, in certain situations, an alternative to waiting 3 months between exam opportunities. The Committee approved the request to implement, if feasible, the use of AMP on-line license exams.

Stone briefed the Committee on the status of the revisions to the "Rules and Regulations Pertaining to Public Water Systems". The revisions are to address the USEPA lead free requirements in PWS brass components. He stated the revisions had been reviewed by the required Legislative Committees and would go before the Board of Health, at its January 23, 2014 meeting for final approval. If approved, the ADH Director would then sign them and they would become effective February 24, 2014. Please see related article in this newsletter for additional details.

Nutt reported that a list of all operators that had not renewed their Water Operator License was published in the Fall 2013 "Arkansas Drinking Water Update". He stated this was the last general effort to get operators to renew. He reminded the Committee that operators have until June 30, 2014 to reinstate their license and not be required to re-examine.

New Business

The 2014 training and exam schedules were provided to the Committee. Nutt noted that the training schedule, post June 30, 2014, had a downturn in available courses, in particular ARWA course offerings, due to the loss of funding for courses provided by the ADH using USEPA grant funds. He pointed out the Exam Schedule had the need to register for an exam 45 days in advance of the exam session highlighted in bold at the start and conclusion of the schedule.

The Committee reviewed reciprocity for the State of Indiana in response to a request from an Indiana operator to reciprocate their water licenses to Arkansas. The Committee reviewed the supplied matrix outlining the recommendation from Nutt on equivalency of Indiana Licenses to Arkansas Licenses. Nutt noted the Arkansas and Indiana program concepts did not match up well. However, the guidance does provide a few combinations of Indiana licenses that warranted offering a reciprocal license. Nutt reviewed those combinations. The guidance, due to Indiana not having mandatory training requirements, had Committee previously allowed stipulation that the operator requesting reciprocity would need to prove a body of training equivalent to the Arkansas required courses for the license available to reciprocate. In addition, the guidance required attendance of the ADH Compliance Course prior to issuing the reciprocated license. The Committee discussed certain provisions in the guidance and accepted the guideline.

Stone updated the Committee on a recent drinking water industry led Federal Law that excluded fire hydrant components from meeting the previously discussed lead free component requirements. It was noted the law passed overwhelming.

Committee Reports

Stone, in his Section Director's report, stated the Section was close to fully staffed. The Section finances continue to meet needs. The Section was allowed to use Federal SRF Capacity Development funds, preserving service fee funds, to replace an expensive organic laboratory analytical unit. He then discussed the relative short life of expensive laboratory equipment, the amount of equipment in the labs, and the need to coordinate with the labs to budget replacement cost.

Nutt provided a Licensing Program report. He referenced a spreadsheet handout titled "Water License Exam Report" pointing out where the present exams scoring performance was shown on the spreadsheet noting passing rates remained stable. He expressed continuing concerns for the low T-4 and D-3 passing rates. He reviewed a summary of license compliance enforcement efforts, taken by the Section. He reported Banks Waterworks, Beulah Grove, Dermott Waterworks, Watson Waterworks, and Walker Water Association continued to remain out of compliance and all were approaching an administrative hearing. He reported Danville Waterworks had finally fully complied with agreed upon licensing efforts. Nutt reported the overall license program was continuing to see ABC taking close to their allowed 30 days to grade exams, all other licensing functions were flowing smoothly thanks to a full staff.

Sternberg provided a training report for the Arkansas Rural Water Association. He provided a copy of ARWA's training calendar noting each page had a notice of the required 45 day exam registration. He stated ARWA was continuing to provide the well received three-day Specialty Training events to provide existing operator with current topic training aimed at license renewal. He reviewed a handout on 2013 training attendance data noting that for the year ARWA had 3,485 in total attendance. He concluded by reviewing a request to the water licensing program to approve Suncoast Training on-line continuing education and stated he would go through Nutt for approval.

Other Business

The Committee confirmed their next meeting date for April 8, 2014 and adjourned.

Computer Based Water License Exams Availability

Water Operator License Examinations will be available from Applied Measurement Professionals (AMP), in a computer-based web-accessed concept. This will allow exams to be scheduled with a large degree of flexibility as to date and time of day. To utilize AMP, the Water Operator Licensing Program must be in receipt of the examinee's Water Operator License application, its related required fees, and mandatory training attendance documentation. The examinee will need to notify the license program of the desire to use AMP to obtain exam access credentials and then AMP will coordinate a reservation to sit for the exam with AMP. AMP will have a sitting fee (approximately \$64) for this optional service not included in ADH fees and the fee must be paid directly to AMP. If all works out as expected, this service should be available during the second half of 2014. AMP has two sites in Arkansas, Fayetteville and Little Rock. However, any AMP site may be utilized, with several close to Arkansas. See AMP's website, www.goamp.com, for additional site information and examination concepts. The exams are administered via a computer terminal, they are not paper based. A practice exam to become familiar with the process is available at the time of examination. The process is very user friendly and suitable for non-computer users.

Staff News:

Nancy Mixon, a native of Star City, Arkansas, joined the Engineering Section in January, 2014, in a position with the administrative staff. She was a former employee of the Arkansas Department of Education for twenty years. Prior to joining our staff, her passion for children led her to a position with Learning4Today Corp., where she served as director of afterschool programs.



Water Operator Licenses Issued, DECEMBER 1, 2013 THROUGH FEBRUARY 28, 2014

LICENSEE NAME	GRADE/TYPE	WATER SYSTEM NAME
ALSTON BILLY	D - II	MAGNET-BUTTERFIELD WATER AUTHORITY
ASHCRAFT CHRIS	D - I	ADC - TUCKER UNIT MAINT
BOUGHTON JEREMY	D - III	PERRYVILLE WATERWORKS
BREEDLOVE MICHAEL	D - IV	MARION COUNTY REG WATER DIST
BREWER ROGER	D - II	CHIDESTER WATER WORKS, HWY 4 24
BRIDGES NICOLE	T - IV	BEAVER WATER DISTRICT
BUNT WILLIAM	D - I	HASKELL WATER SYSTEM
CAIN RUSSELL	D - I	HOXIE WATER DEPARTMENT
CAMP WADE	D - III	CENTRAL ARKANSAS WATER
CARTER KENNETH	D - III	MARION COUNTY REG WATER DIST
CUMMINGS DARREN	T - IV	MAUMELLE WATER MANAGEMENT
DEAN HAROLD	T - IV	FORT SMITH WATER UTILITIES
DUNN RYAN	D - IV	MOUNTAIN HOME WATERWORKS
DUWE DONALD	D - I	CABOT WATERWORKS
FLEMING ERIC	D - IV	CENTRAL ARKANSAS WATER
GARNER GILBERT	D - IV	FORT SMITH WATER UTILITIES
GILL ERIC	D - VSS	WATSON WATERWORKS
GUYLL TOMMY	T - IV	BENTON-WASHINGTON REGIONAL PWA
HACKWORTH DANIEL	D - II & T - II	NO PWS OF RECORD
HILTON DANIEL	D - IV & T - I	LIBERTY UTILITIES
HOLLOWAY BRANDON	D - III	TUCKERMAN WATERWORKS
HOWARD TIMOTHY	D - I	HASKELL WATER SYSTEM
HUFF DONALD	T - I	MARKED TREE WATERWORKS
KLEIN CATHY	T - I	CARROLL-BOONE WATER DISTRICT
LEMLEY AMBER	T - IV	LITTLE RIVER CO RDA
LEONARD BOBBY	D - II	NO PWS OF RECORD
LEVY JOSHUA	D - I	SALINE CO WW SS PFB
LINDLEY CHARLES	D - II	CAVE SPRINGS WATERWORKS
LOGAN KENNETH	D - IV	LAKEVIEW MIDWAY PWA
MORROW JOHN	D - I	AR STATE PARKS
MORROW SHAWN	D - II	SHUMAKER PUBLIC SERVICE CO
OTT DARRELL	T - II	COMMUNITY WATER SYSTEM
PARKER MICKEY	D - I	FELSENTHAL WATER AND SEWER
PLUMLEE STACY	D - I	ELKINS WATERWORKS
ROHRIG LORANDAL	D - IV	MOUNTAIN HOME WATERWORKS
RYDER CHARLIE	D - I	THORNTON WATERWORKS
SCRUGGS ACIE	D - I	GRADY WATERWORKS
SKIVER LARRY	D - IV	MOUNTAIN HOME WATERWORKS
SNEED TONYA	D - II	CHARLESTON WATERWORKS
SPENCER SHANE	D - I	LONOKE WATERWORKS
STACKS LORI	D - IV & T - IV	CENTRAL ARKANSAS WATER
STEERS CHARLES	D - I	GRAVETTE WATERWORKS
STORY MICHAEL	D - I	WALKER WATER ASSOCIATION
SUTHERLAND RICHARD	D - I	GRAVETTE WATERWORKS
TALKINGTON GILES	D - II	CHARLESTON WATERWORKS
TIMLIN KATHY	D - VSS	HOSANNA HEIGHTS WATER
WALLACE HAROLD	D - II	FRANKLIN-SEBATHIAN PWA, LAVACA
WARD CALVIN	D - II & T - II	DOTA PUBLIC WATER AUTHORITY
WELLS JACKIE	D - IV	RIVERSOUTH RURAL WATER DIST
ZINK STEPHEN	D - I	ARK S/P BEECH POINT CAMPGROUND

Major Monitoring, MCL, Treatment Technique, & Licensing Violations

Community & Nontransient Noncommunity Public Water Systems, Oct. – Dec., 2013

ASP QUEEN WILHELMINA	Bmon 8	HORSESHOE HOMES WA	BMCL 10
ASP MT MAGAZINE	DBPR 10, 11, 12	HORSESHOE HOMES WA	Oper Lic 10
ARKANSAS HEALTH CENTER	TMCL 11	HORSESHOE HOMES WA	PN 10
AUSTIN WATERWORKS	CCR 2012	HOT SPRINGS VILLAGE WW	Bmon 11
AUTUMN ACRES MHP	Bmon 12	HUMNOKE	Oper Lic 10
BANKS WATERWORKS	DBPR 10, 11, 12	HWY 4 24 WATER ASSN	BMCL 10
BANKS WATERWORKS	Bmon 10	INDEPENDENCE-JACKSON REG	BMCL 12
BARKADA WATER ASSN	Bmon12	JACKSONVILLE WATERWORKS	BMCL 10
BATTS-LAPILE WATER ASSN	Bmon 11	KIBLER WATER SYSTEM	BMCL 10
BAUXITE WATER	DBPR 10, 11, 12	KINGSLAND WATERWORKS	Bmon 11
BEN LOMOND WATERWORKS	PN 11	LYDESDALE WATER ASSN	BMCL 10, 11
BEULAH GROVE	DBPR 10, 11, 12	MALVERN WATERWORKS	BMCL 10
BEULAH GROVE	PN 10	MCCRAE WATERWORKS	Bmon 10
BLUE MOUNTAIN	DBPR 10, 11, 12	MENA WATERWORKS	DBPR 10, 11, 12
BODCAW RURAL WATER	DBPR 10, 11, 12	MILLWOOD WATER CORP	Bmon 10
BOWSER WATER ASSN	DBPR 10, 11	MONTGOMERY CO REGIONAL	DBPR 10, 11, 12
BOYDELL WATER ASSN	BMCL 12	MONTROSE WATERWORKS	Bmon 12
BOYDELL WATER ASSN	CCR 2012	MONTROSE WATERWORKS	CCR 2012
BOYDELL WATER ASSN	DBPR 11	MONTROSE WATERWORKS	DBPR 11
BRECKENRIDGE UNION ASSN	CCR 2012	MT SHERMAN WATER ASSN	Bmon 10
CALICO ROCK WATERWORKS	Bmon 11	NAIL-SWAIN WATER ASSN	PN 12
CASS CC	Bmon 11	NEW LONDON WATER ASSN	BMCL 11
CENTERTON WATERWORKS	BMCL 10	NEW LONDON WATER ASSN	Bmon 12
CONCORD WATER/SEWER PFB	CCR 2012	OXFORD WATERWORKS	BMCL 12
CONCORD WATER/SEWER PFB	Bmon 11	OXFORD WATERWORKS	GWR 12
CORNING WATERWORKS	RMCL 10, 11, 12	PANGBURN WATERWORKS	TMCL 10, 11, 12
CORNING WATERWORKS	CCR 2012	PANGBURN WATERWORKS	PN 12
CORNING WATERWORKS	Oper Lic 12	PANBURN WATERWORKS	Bmon 12
COTTONWOOD WATER ASSN	CCR 2012	PARIS WATERWORKS	Bmon 12
COTTONWOOD WATER ASSN	Bmon 11	PARON-OWENSVILLE WA	CCR 2012
DANVILLE WATERWORKS	DBPR 10	PLAINVIEW WATER DEPT	Bmon 12
DENNING WATERWORKS	CCR 2012	PYATT WATERWORKS	CCR 2012
DENNING WATERWORKS	PN 11	PYATT WATERWORKS	DBPR 11
DENNING WATERWORKS	Bmon 11	QUINN WATER ASSN	Bmon 11
DERMOTT WATERWORKS	DBPR 10, 11, 12	SW ARK WATER SYSTEM	Bmon 12
EASTSIDE HOMEOWNERS	PN 10	SULPHUR SPRINGS	BMCL 10
EASTSIDE HOMEOWNERS	BMCL 10	WATERWORKS	
EUREKA SPRINGS	Bmon 10, 11	TALL OAKS MHP	Bmon 10
FORREST CITY WATERWORKS	BMCL 12	TRINITY BEHAVIORAL HEALTH	Bmon 11
FOUKE WATERWORKS	Bmon 10, 11, 12	TWIN OAKS MHP	BMCL 10
FOUKE WATERWORKS	CCR 2012	VANDERVOORT WATERWORKS	PN 10
FOUKE WATERWORKS	DBPR 12	WABBASEKA WATERWORKS	DBPR 12
FREEHOPE WATER ASSN	BMCL 11	WABBASEKA WATERWORKS	Bmon 12
FRENCHPORT WATER ASSN	Bmon 12	WALKER CREEK STATE LINE	Bmon 10
GLENWOOD WATER DEPT	DBPR 12	WALKER WATER ASSN	DBPR 10, 11
GOULD MUNI WATER-SEWER	Bmon 12	WALKER WATER ASSN	PN 10, 11, 12
GREAT LAKES CHEMICAL	BMCL 12	WARD MHP	DBPR 12
WEST		WATSON WATERWORKS	DBPR 10, 11
GREENWAY WATERWORKS	GWR 11	WHITE HALL WATERWORKS	Bmon 11
GREENWAY WATERWORKS	Bmon 12	WIEDERKEHR VILLAGE WD	CCR 2012
GREENWOOD WATERWORKS	DBPR 10, 11, 12	WIEDERKEHR VILLAGE WD	SIG DEF 11
HARTFORD WATERWORKS	DBPR 10, 11, 12	WIEDERKEHR VILLAGE WD	Bmon 11
		WILLISVILLE WATERWORKS	Bmon 10
		WILTON WATERWORKS	BMCL 11
		WILTON WATERWORKS	Bmon 12
		YARBRO WATERWORKS	Bmon 11

KEY: Bmon = Bacti Monitoring; BMCL = Bacti MCL; Dmon = Disinfection By Product Rule Monitoring; DBPR=Disinfection By Product Rule MCL or Treatment Technique; GWRMCL=GWR Treatment Technique; GWRmon= GWR Monitoring or Reporting; 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; 10 = Oct 2013, 11 = Nov. 2013, 12 = Dec. 2013

Mandatory Training Course Schedule

Most Current Listing and when available the 2014 schedule is at: www.healthy.arkansas.gov/eng/autoupdates/oper/mandtrngall.htm.
Please contact the course sponsor to register for course well in advance of course date.

(Please note all mandatory courses begin at 8:00 a.m.)

Mandatory Course Name	START DATE	ENDING DATE	Time	CITY	LOCATION	SPONSOR
Basic Water Math	04/01/14	04/15/14	TBD	Internet	http://www.sautech.edu/aeta/schedule.aspx	AETA
Advanced Water Distribution	04/01/14	04/03/14	8:00 AM	N Little Rock	CAW Maryland Complex, 1500 W Maryland Ave	AETA
Advanced Distribution	04/15/14	04/17/14	8:00 AM	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	ARWA
Applied Water Math	04/16/14	04/30/14	TBD	Internet	http://www.sautech.edu/aeta/schedule.aspx	AETA
Intermediate Treatment	04/22/14	04/24/14	8:00 AM	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	ARWA
Basic Water Math	04/28/14	04/28/14	8:00 AM	Hot Springs	AWW&WEA Conference, HS Convention Center	AETA
ADH PWS Compliance	04/29/14	04/29/14	8:00 AM	Hot Springs	AWW&WEA Conference, HS Convention Center	ADH
Applied Water Math	04/29/14	04/29/14	8:00 AM	Hot Springs	AWW&WEA Conference, HS Convention Center	AETA
Basic Distribution	04/29/14	05/01/14	8:00 AM	Clarksville	CLW (Operations Bld) 710 East Main (Hwy 64 East)	ARWA
Basic Water Treatment	05/01/14	05/15/14	TBD	Internet	http://www.sautech.edu/aeta/schedule.aspx	AETA
Advanced Treatment	05/06/14	05/08/14	8:00 AM	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	ARWA
Intermediate Water Distribution	05/06/14	05/08/14	8:00 AM	Paragould	Holiday Inn Express, 3502 Linwood Dr	AETA
Intermediate Distribution	05/13/14	05/15/14	8:00 AM	Arkadelphia	Recreation Center, 2555 Twin Rivers Dr.	ARWA
Basic Water Distribution	05/16/14	05/31/14	TBD	Internet	http://www.sautech.edu/aeta/schedule.aspx	AETA
Basic Distribution	05/20/14	05/22/14	8:00 AM	Bono	Bono Community Center, 100 Woodland Trail	ARWA
Basic Water Math	05/27/14	05/27/14	8:00 AM	Fayetteville	Utilities Operations Center, 2435 S Industrial Dr	AETA
Applied Water Math	05/28/14	05/28/14	8:00 AM	Fayetteville	Utilities Operations Center, 2435 S Industrial Dr	AETA
ADH PWS Compliance	05/29/14	05/29/14	8:00 AM	Fayetteville	Utilities Operations Center, 2435 S Industrial Dr	ADH
Intermediate Water Treatment	06/01/14	06/15/14	TBD	Internet	http://www.sautech.edu/aeta/schedule.aspx	AETA
Basic Water Distribution (Night	06/02/14	06/17/14	TBA	Fort Smith	Fort Smith Utilities, 3900 Kelly Hwy	AETA
Advanced Water Treatment	06/03/14	06/05/14	8:00 AM	N Little Rock	CAW Maryland Complex, 1500 W Maryland Ave	AETA
Basic Water Distribution	06/10/14	06/12/14	8:00 AM	Fayetteville	Utilities Operations Center, 2435 S Industrial Dr	AETA
Intermediate Distribution	06/10/14	06/12/14	8:00 AM	Clarksville	CLW (Operations Bld) 710 East Main (Hwy 64 East)	ARWA
Intermediate Water Distribution	06/16/14	06/30/14	TBD	Internet	http://www.sautech.edu/aeta/schedule.aspx	AETA
Basic Water Distribution	06/17/14	06/19/14	8:00 AM	Camden	AR Env Training Academy, 100 Carr Road	AETA
Basic Treatment	06/24/14	06/26/14	8:00 AM	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	ARWA
Advanced Water Treatment	07/01/14	07/15/14	TBD	Internet	http://www.sautech.edu/aeta/schedule.aspx	AETA
Basic Math	07/08/14	07/08/14	8:00 AM	Nashville	Carter Day Center, 200 Nichols Drive	ARWA
ADH PWS Compliance	07/09/14	07/09/14	8:00 AM	Nashville	Carter Day Center, 200 Nichols Drive	ADH
Applied Math	07/10/14	07/10/14	8:00 AM	Nashville	Carter Day Center, 200 Nichols Drive	ARWA
Basic Water Treatment (Night	07/14/14	07/24/14	TBA	Fort Smith	Fort Smith Utilities, 3900 Kelly Hwy	AETA
Basic Water Treatment	07/15/14	07/17/14	8:00 AM	N Little Rock	CAW Maryland Complex, 1500 W Maryland Ave	AETA
Advanced Water Distribution	07/16/14	07/31/14	TBD	Internet	http://www.sautech.edu/aeta/schedule.aspx	AETA
Intermediate Water Treatment	07/29/14	07/31/14	8:00 AM	Russellville	Tri-County Water, 5306 N Arkansas Ave	AETA
Advanced Distribution	07/29/14	07/31/14	8:00 AM	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	ARWA
Basic Water Math	08/01/14	08/15/14	TBD	Internet	http://www.sautech.edu/aeta/schedule.aspx	AETA
Applied Water Math	08/16/14	08/30/14	TBD	Internet	http://www.sautech.edu/aeta/schedule.aspx	AETA
Advanced Water Treatment	08/19/14	08/21/14	8:00 AM	Lowell	Beaver Water Dist, 301 N Primrose Rd	AETA
Basic Distribution	08/26/14	08/28/14	8:00 AM	Nashville	Carter Day Center, 200 Nichols Drive	ARWA
Basic Water Treatment	08/26/14	08/28/14	8:00 AM	Paragould	Holiday Inn Express, 3502 Linwood Dr	AETA
Basic Water Treatment	09/01/14	09/15/14	TBD	Internet	http://www.sautech.edu/aeta/schedule.aspx	AETA
Intermediate Water Treatment	09/09/14	09/11/14	8:00 AM	Jonesboro	Jonesboro CWL Office Training Rm, 400 E Monroe	AETA
Basic Water Math	09/16/14	09/16/14	8:00 AM	N Little Rock	CAW Maryland Complex, 1500 W Maryland Ave	AETA
Intermediate Water Distribution	09/16/14	09/18/14	8:00 AM	Fayetteville	Utilities Operations Center, 2435 S Industrial Dr	AETA
Basic Water Distribution	09/16/14	09/30/14	TBD	Internet	http://www.sautech.edu/aeta/schedule.aspx	AETA
Applied Water Math	09/17/14	09/17/14	8:00 AM	N Little Rock	CAW Maryland Complex, 1500 W Maryland Ave	AETA
ADH PWS Compliance	09/18/14	09/18/14	8:00 AM	N Little Rock	CAW Maryland Complex, 1500 W Maryland Ave	ADH
Intermediate Treatment	09/23/14	09/25/14	8:00 AM	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	ARWA
Advanced Water Distribution	09/23/14	09/25/14	8:00 AM	Hot Springs	HS Transportation Depot, 100 Broadway Terrace	AETA

The most current Mandatory Training Schedule with location information is available at
<http://www.healthy.arkansas.gov/eng/autoupdates/oper/mandtrngall.htm>

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. Call (501) 661-2623, ask for Water Licensing Program or e-mail: ADH.Water.Licensing@arkansas.gov.

Listed below are the dates and locations of examination sessions as scheduled, as of December 4, 2013. 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
4/4/2014		N Little Rock	CAW Maryland Complex, 1500 West Maryland Ave	9:00:00 AM
4/18/2014		Lonoke	ARWA Training Facility, 240 Dee Dee Ln	9:00:00 AM
4/25/2014		Lonoke	ARWA Training Facility, 240 Dee Dee Ln	9:00:00 AM
4/30/2014		Hot Springs	AWW&WEA Annual Conference, HS Convention Center	9:00:00 AM
5/2/2014		Clarksville	CLW (Operations Bldg) 710 East Main (Hwy 64 East)	9:00:00 AM
5/9/2014		Lonoke	ARWA Training Facility, 240 Dee Dee Ln	9:00:00 AM
5/9/2014		Paragould	Holiday Inn Express, 3502 Linwood Dr	9:00:00 AM
5/16/2014		Arkadelphia	Recreation Center, 2575 Twin Rivers Dr	9:00:00 AM
5/23/2014		Bono	Bono Community Center, 100 Woodland Trail	9:00:00 AM
6/6/2014		N Little Rock	CAW Maryland Complex, 1500 West Maryland Ave	9:00:00 AM
6/13/2014		Fayetteville	Fayetteville Operations Center, 2435 S Industrial Dr	9:00:00 AM
6/13/2014		Clarksville	CLW (Operations Bldg) 710 East Main (Hwy 64 East)	9:00:00 AM
6/20/2014		Camden	AR Environmental Training Academy, 100 Carr Road	9:00:00 AM
6/27/2014		Lonoke	ARWA Training Facility, 240 Dee Dee Ln	9:00:00 AM
9/5/2014	7/22/2014	Fayetteville	Fayetteville Operations Center, 2435 S Industrial Dr	9:00:00 AM
9/5/2014	7/22/2014	Mtn. Home	Baxter Co OEM Training Facility, 170 Dillard Dr, Midway	9:00:00 AM
9/5/2014	7/22/2014	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	9:00:00 AM
9/12/2014	7/29/2014	Camden	AR Environmental Training Academy, 100 Carr Road	9:00:00 AM
9/12/2014	7/29/2014	Jonesboro	Jonesboro CWL Office Training Rm, 400 E Monroe	9:00:00 AM
9/12/2014	7/29/2014	Clarksville	CLW (Operations Bldg) 710 East Main (Hwy 64 East)	9:00:00 AM
9/17/2014	8/4/2014	Hot Springs	ARWA Annual Conference, HS Convention Center	9:00:00 AM
12/5/2014	10/21/2014	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	9:00:00 AM
12/5/2014	10/21/2014	Nashville	Carter Day Center, 200 Nichols Drive	9:00:00 AM
12/5/2014	10/21/2014	Fayetteville	Fayetteville Operations Center, 2435 S Industrial Dr	9:00:00 AM
12/12/2014	10/28/2014	Jonesboro	Jonesboro CWL Office Training Rm, 400 E Monroe	9:00:00 AM
12/12/2014	10/28/2014	Camden	AR Environmental Training Academy, 100 Carr Road	9:00:00 AM
12/12/2014	10/28/2014	Clarksville	CLW (Operations Bldg) 710 East Main (Hwy 64 East)	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. You may confirm the session or its location by contacting your District Specialist or Engineer at (501) 661-2623. Also, the latest exam schedule information can be viewed on the Internet at: <http://www.healthy.arkansas.gov/eng/autoupdates/oper/operexam.htm>.

You must register for the exam 45 days in advance. Call (501) 661-2623, ask for Water Licensing Program or e-mail: ADH.Water.Licensing@arkansas.gov.

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 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.

Return Service Requested

PRINTED ON RECYCLED PAPER

AWW&WEA District Meetings

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

DATE	TIME	CITY	LOCATION	SPONSOR
<u>April 2014</u>				
3	5:30 PM	Fort Smith	Golden Corral	Western District, AWW&WEA
3	5:00 PM	Jacksonville	Community Center	Central District, AWW&WEA
10	5:00 PM	Russellville	Western Sizzlin	AR Valley District, AWW&WEA
10	5:00 PM	Pleasant Plains	Tadpole's Catfish Barn	North Central District, AWW&WEA
No meeting in April				Eastern District, AWW&WEA
16	8:30 AM	Lincoln	Community Center	Northwest District, AWW&WEA
17	12:30 PM	Jonesboro	CWL Service Bldg	Northeast District, AWW&WEA
No meeting in April				Southeast District, AWW&WEA
24	6:00 PM	Magnolia		Southwest District, AWW&WEA
<u>May 2014</u>				
1	5:00 PM	TBA		Central District, AWW&WEA
No meeting in May				Western District, AWW&WEA
No meeting in May				Northwest District, AWW&WEA
8	5:00 PM	Stuttgart	Stuttgart Art Center	Eastern Central District, AWW&WEA
8	5:30 PM	Russellville	Western Sizzlin	AR Valley District, AWW&WEA
8	5:00 PM	Pleasant Plains	Tadpole's Catfish Barn	North Central District, AWW&WEA
15	10:30	Pocahontas	Beverly's Catering	Northeast District, AWW&WEA
20	5:00 PM	Watson Chapel	Water Shop	Southeast District, AWW&WEA
22	6:00 PM	Arkadelphia	Western Sizzlin	Southwest District, AWW&WEA
<u>June 2014</u>				
5	5:00 PM	TBA		Central District, AWW&WEA
5	5:30 PM	Fort Smith	Columbus Acres, Picnic	Western District, AWW&WEA
11	8:30 AM	Green Forrest	Middle School	Northwest District, AWW&WEA
12	5:00 PM	Wynn	Kellys Restaurant	Eastern District, AWW&WEA
12	8:30 AM	Russellville	Western Sizzlin	AR Valley District, AWW&WEA
12	5:00 PM	Pleasant Plains	Tadpole's Catfish Barn	North Central District, AWW&WEA
17	5:00 PM	Warren	Western Sizzlin	Southeast District, AWW&WEA
19	12:30 PM	Piggott	Country Club	Northeast District, AWW&WEA
26	6:00 PM	Foreman	Community Center	Southwest District, AWW&WEA