



ARKANSAS DRINKING WATER UPDATE

Fee Increase Passes 86th General Assembly Signed by Governor Beebe as Act 292 of 2007

Legislation increasing the annual fees for public water systems in Arkansas was passed by both chambers of the Arkansas 86th General Assembly and has been signed by Governor Mike Beebe as Act 292 of 2007. The legislation, proposed last year by the Division of Health in order to enable the agency to continue the same level of service historically provided to water systems in the state, authorizes the State Board of Health to establish a service connection fee for community public water systems of not more than 30 cents per month. The fee has been 25 cents per month and has not changed since 1993. The legislation also raised the minimum annual fees for small community and nontransient noncommunity systems from \$200 to \$250 and for transient noncommunity systems from \$100 to \$125. Representative Greg Reep of Warren was the bill’s sponsor

While no one likes higher governmental fees, many in the water industry saw the increase as legitimate given the number and complexity of regulations that the Environmental Protection Agency has promulgated and the length of time since the fee was last raised. Over 25 new EPA requirements or technical assistance initiatives not foreseen in 1993 have been implemented since that date by the Division of Health and about one-third of those have required additional, more frequent, or more stringent contaminant testing.

Water industry organizations whose boards or memberships were on record in support of the fee included Arkansas Rural Water Association, Arkansas Water and Wastewater Managers Association, Arkansas Water Works and Water Environment Association, and the Southwest Section of American Water Works Association. Representatives from the organizations testified at committee meetings in both the House and Senate.

The only public opposition for the bill came from the Arkansas Municipal League. Information on the need for the fee increase was mailed in early January to each mayor in the state and Division of Health representatives made a presentation to the League’s Executive Committee, also in January, for its support or neutrality on the fee proposal. However, the League pursued a course of active opposition throughout the legislative session.

The increased fees are expected to generate approximately \$600,000 per year in additional revenue for the drinking water program although something short of that amount will be collected for state fiscal year 2008 which begins in July (see article page 3). Immediate needs for the fee increase are the continued Cryptosporidium analyses required by the Long Term 2 Enhanced Surface Water Treatment Rule which began in January 2007 (see article on page 10), analytical testing through a private laboratory for additional contaminants under the Unregulated Contaminant Monitoring Rule 2 which goes into effect in January 2008 (see article page 4), and the replacement of funding for Division of Health staff responsible for the scheduling and collection of compliance samples throughout the state due to a cutoff of funding by EPA.

The Engineering Section staff would like to express their appreciation to those Arkansas legislators, water works organizations, water utility professionals, regional and local Division of Health staff, and members of the public who supported HB1070. We are grateful for your confidence in the state’s drinking water program and look forward to working together to ensure continued safe and plentiful drinking water for the citizens of the state. ♦

Draft WARN Agreement Available for Review

A draft Mutual Aid Agreement has been prepared by a steering committee for the Arkansas Water and Wastewater Response Network (ARWARN) and is being distributed for comments to Arkansas utilities. The aid agreement is voluntary but establishes the ground rules whereby a utility could either extend aid or receive aid in the event of an emergency or disaster. With sufficient participation, an internet website is planned that would allow WARN members to query other utilities on the availability of critical resources

The need for a formal agreement in the event of a disaster has been amply demonstrated in the past several years as the result of hurricane damage in Florida, Alabama, and Louisiana. The American Water Works Association has spearheaded a national effort to form WARN networks in those states without them.

The Arkansas draft agreement was prepared earlier this year by individuals representing water and wastewater utilities, water industry organizations, and state agencies, including the Arkansas Department of Emergency Management. Promotion of the agreement is planned at several water industry conferences this year. A copy of the draft agreement can be found on page 6. Comments should be directed to Larry Lloyd with Beaver Water District. ♦

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Drinking Water Update Begins 20th Year

The *Arkansas Drinking Water Update* will mark its 20th year of publication in 2007. The quarterly newsletter is published by the Engineering Section and is a compilation of regulatory need-to-know, technical assistance, and training information for water professionals and interested parties.

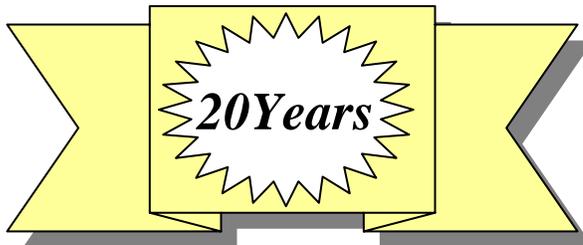
The newsletter has a distribution list of almost 4000 recipients.

The need for a publication to keep water utility personnel informed of drinking water issues was foreseen by the state's drinking water program, and publication of the *Update* began in 1988. That period of time saw the beginning of the promulgation of numerous regulations from the EPA as the result of the 1986 and subsequent 1996 reauthorization of the Safe Drinking Water Act.

For several years the *Update* was prepared using a typewriter whereby articles were literally cut and pasted onto a layout sheet, photocopied, collated, and folded before mailing to readers. The publication began using the services of a professional printer in 1993.

The newsletter is currently a 16 page format with an occasional 20 page issue. The newsletter contains information on the implementation of drinking water regulations in Arkansas, relevant state and national water industry news, and operator training and licensing information, including exam locations.

Submittals for possible publication in the newsletter can be submitted to the editor, Robert Hart, by contacting him at Robert.Hart@Arkansas.gov or at 501-661-2623. ♦



Hart Appointed as Engineering Director

Robert Hart, P.E., a long time employee with the state's drinking water program, has been appointed as director of the Engineering Section of the Division of Health. Hart replaces Harold Seifert, P.E., who retired at the end of 2006.

Hart brings 30 years of experience in the water works field to the position, 27 of which are with the state's drinking water program. He has served in the positions of District Engineer and Engineer Supervisor, and has been Chief Engineer in the Engineering Section since 1988. He also has three years experience as a consulting engineer with an architectural-engineering firm. He holds both Bachelor and Master degrees in Civil Engineering from UA – Fayetteville and has been a registered professional engineer since 1982.

When asked about his goals for the position, Hart responded that his initial focus, while not very glamorous, was to "keep the train on the track". By that he meant the continued implementation of the state's drinking water program in light of the multitude of regulations promulgated by EPA.

He said he was grateful to the water industry for its support of the 2007 increase in the service connection fee and which would enable the state's program to continue its level of service to water systems. Hart was also complimentary of the solid foundation for the state's drinking water program established by Seifert in his years as the Engineering Section director. ♦

Demerger of DHHS and Division of Health Authorized by Act 384

Legislation passed by the 2007 General Assembly and signed by Governor Mike Beebe as Act 384 of 2007 authorizes the separation of the Division of Health from the Department of Health and Human Services, (DHHS) and the creation of the Department of Health if so ordered by the Governor. At the deadline for this publication, Governor Beebe had yet to issue any such directive.

The merger of the former Department of Health and Department of Human Services to create DHHS was mandated by the 2005 General Assembly and was a legislative priority of former Governor Mike Huckabee. Huckabee stated the merger was needed to increase the efficiency of the two agencies and to improve service to the public. Legislation for the separation of the Division of Health from DHHS was sponsored this year by Senator Tracy Steele of Little Rock.

Act 384 stipulates that 60 days after the Governor establishes the Department of Health, all authority, records, property, and personnel of the Division of Health will transfer out of DHHS to the Department of Health. The State Board of Health would likewise be transferred in the same time frame and retain all powers previously prescribed to it in the Division of Health.

The legislation also states that DHHS would become the Department of Human Services. ♦

ARKANSAS DRINKING WATER UPDATE is published quarterly by the Engineering Section, Division of Health, Arkansas Department of Health and Human Services 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 Robert Hart, P.E. at the return address listed on the last page.

Fee Increase Delayed Due to Legislative & Regulatory Issues

Even though HB1070 to increase the annual fees for public water systems has been passed by the 86th General Assembly and signed by Governor Mike Beebe as Act 292, it has yet to become law or to be implemented by the Division of Health.

Most bills introduced in the regular session of the Arkansas Legislature contain a clause which stipulates that due to the emergency nature of the bill, it will become effective on July 1. The vote on the emergency clause immediately follows but is separate from the vote on the bill itself. While HB1070 was approved by the House of Representatives, the emergency clause for the bill was defeated.

The result is that the bill will not become law until 90 days after the 86th General Assembly adjourns sine die or the end of the legislative session is formally declared. While the General Assembly adjourned on April 3, that was a temporary adjournment and legislators are due back on May 1 to wrap up loose ends and at which time a sine die adjournment is expected. At that point, the 90 day time period for any bill not approved with an emergency clause begins.

Additionally, Division of Health attorneys have made the determination that the fee increase must be approved by the State Board of Health through a regulation change. Consequently, the *Rules and Regulations Pertaining to Public Water Systems* are proposed to be amended to authorize the fee increase. That process takes at least three months and sometimes longer.

The Engineering Section anticipates at least two fee billings to Arkansas community public water systems for state fiscal year 2008. The first would be at the existing fee rate of \$0.25 per connection per month for the first three months of the state fiscal year, July through September, 2007. If the authority for the increase to \$0.30 per connection per month has been approved by the end of the September, a second and final billing will be mailed to water systems for the

Arkansas 86 th General Assembly		
Legislation of Interest to Water & Wastewater Utilities		
Copies of a bill or act can be obtained at www.arkleg.state.ar.us/ .		
Bill #	Description	Status
HB1607	Amends the procedures for the collection of delinquent water or wastewater bills.	Act 360
HB1732	Exempts from the Freedom of Information Act vulnerability assessments of public water systems submitted to EPA before July 1, 2004 for a period of 10 years after submission.	Act 268
HB2471	Exempts security related documents of public water systems from the Freedom of Information Act until July 1, 2009.	Act 998
HB2602	Requires financial assurance to operate nonmunicipal domestic sewage treatment works in Arkansas.	Act 832
HB2707	Sets criteria for the payment of disputed service areas and may allow the state to require refinancing of a loan from a governmental lender.	Act 691
HB2709	Requests the Joint Performance Review Comm. study the impact of the Fayetteville Shale play on the water supply of the region.	Interim study by Joint Public Health Comm.
HB2716	Allows nonprofit corporations to own and operate community sewer systems.	Act 844
SB69	Limits the scope of eminent domain power & sets criteria for the compensation to a property owner.	Approved by Senate. Not reviewed by House Judiciary Comm.
SB82	Removes all exemptions for membership in One Call and amends notice requirements for some underground facilities.	Act 41
SB260	Deletes §18-15-401c which states eminent domain powers of municipal waterworks are cumulative to other laws and in favor of such waterworks.	Not reviewed by City, County & Local Affairs Comm.
SB298	Clarifies the definition of impact fees and provides for a refund of certain fees.	Act 310
SB827	Amends the Regional Water Distribution District Act regarding boards of directors.	Act 863
SB890	Exempts a water authority's projects and income from excise taxes.	Not reviewed by Revenue & Taxation Comm.
SB947	Amends the Freedom of Information Act to exclude certain public water system information related to security. Sunsets on July 1, 2009	Passed Senate. Not reviewed by Comm. on House Rules

remainder of the fiscal year – October 2007 through June 2008. If authority for the increased fee is not obtained, continued quarterly billings at the old fee of 25 cents will continue.

If you have questions in this regard, contact Karen Howard or Robert Hart at 501-661-2623. ♦

2006 Consumer Confidence Reports Due

As required by EPA's Consumer Confidence Report Rule, each year by July 1st all community water systems in Arkansas with at least one calendar year of analytical data must submit a water quality report to their customers and the Arkansas Department of Health and Human Services (ADHHS). By October 1st of each year, the systems must also provide certification of distribution of the report to ADHHS. Distribution requirements are based on your system's retail population served.

By now, your water system should have received a letter containing information on how to request the Engineering Section of ADHHS to complete your water system's 2006 CCR. If your system opts to have the report prepared by the Engineering Section, be sure to carefully read the letter that comes with the CCR when you receive it in the mail. It contains important information about the report's distribution methods and requirements that might be news to you, especially if you are distributing the report by newspaper publication.

When preparing or reviewing your report this year, don't forget that arsenic had a new MCL of 10 ppb beginning in 2006. Also in 2006, some water systems began their Initial Distribution System Evaluations (IDSE) under the Stage 2 Disinfectants and Disinfection Byproducts Rule. It's important to know that while IDSE results are not used for determining system-wide compliance or calculating running annual averages, individual IDSE results should be used in determining the range of TTHM & HAA5 results reported in the CCR. This is addressed on the template the Engineering Section uses to compose CCRs. If you also use the template be sure to ask us for an updated version. It is frequently amended to accommodate new regulations.

If you have not yet heard from the Engineering Section regarding your water system's CCR or if you have questions about the report, please contact Jack Wilson or Jim Barlow at 501-661-2623.

Proposed changes to the *Rules & Regulations Pertaining to Public Water Systems*

Purpose For Revisions

1.) Obtain authority to implement increased annual fees for public water systems as authorized by Act 292 of 2007.

Proposed addition to the regulations:

XXV.ANNUAL FEES

The annual fees for public water systems provided for in Arkansas Statutes § 20-28-101 et seq are established at \$0.30 per service connection per month for community and nontransient noncommunity water systems, with a minimum fee of \$250.00; and at \$125.00 for transient noncommunity water systems.

Comments: Act 292 of 2007 authorized an increase in the annual fees for public water systems. The amount of the service connection fee is to be established by the Board of Health up to the maximum set in the statute. The proposed fee increase will be a nickel per service connection per month (from \$0.25 to \$0.30) for community and nontransient non-community water systems, with the minimum fee increased from \$200 to \$250. It will also increase the annual fee for transient noncommunity water systems from \$100 to \$125. These fees were last raised in 1993.

2.) Obtain a new approval date on the regulations to adopt by reference the EPA Ground Water Rule which was promulgated on November 8, 2006 (40 CFR Parts 9, 141, and 142.).

If you have comments on these proposed changes please direct them in writing to Robert Hart, Engineering Section, P.O.Box 1437, Slot H-37, Little Rock, AR 72201 or Robert.Hart@Arkansas.gov . ♦

UCMR2 Update

Bob Makin, P.E., Asst. Director

The Safe Drinking Water Act amendments of 1996 required the EPA to publish a listing of unregulated contaminants for monitoring every five years. The first round of UCMR monitoring occurred during the period 2001-2003. Many of you, especially the larger water systems, may remember participating in that round. The goal of the UCMR is to obtain reliable data concerning the occurrence of unregulated contaminants in drinking water as one step in the EPA process for determining whether or not a contaminant should be regulated.

On January 4, 2007 the EPA published the UCMR2 in the Federal Register (72 FR 368) making the rule final. EPA has developed a statistically representative sample of 800 small water systems nationwide for monitoring, while all large systems (>10,000 population) will be required to monitor. In Arkansas there are 19 small systems that will be affected and 49 large systems. Monitoring activities are scheduled to begin as early as January 2008. Each system will need to be monitored over a one year period during the 2008-2010 timeframe. The frequency of monitoring will be quarterly for surface water systems and bi-annually for groundwater systems. Systems which purchase their water are not affected by the Rule.

The Engineering Section plans to approach this rule in a similar fashion to the way it handled the UCMR1 monitoring. That is, Section staff members will be utilized to collect the samples. However, unlike under the UCMR1, the state Public Health Laboratory will not be able to conduct the analyses. This means the Section will need to contract with a private laboratory for the analytical work. Also, we may need the assistance of water system personnel in locating and providing transport of the sample kits to a carrier for overnight delivery.

The estimated cost for conducting these analyses in a private lab is over two hundred thousand dollars and is

Continued next page

one reason for the need for the 2007 increase in the annual fees for public water systems.

Any Arkansas water system affected by the UCMR2 should have received a letter from EPA in August 2006 on the need to register in its Central Data Exchange (CDX). This is the database that analytical laboratories will use to submit the UCMR2 analytical data. Under the rule, from the time that data is entered into the database, the PWS will have 30 days to access and approve the data. If this option is not exercised, then the EPA will deem the data to be approved after that time. If you have not registered yet, you need to follow the directions in EPA's letter or contact the UCMR Message Center at 1-800-949-1581 for instructions.

Those same water systems should have also received a letter from the Engineering Section this past February containing information on the Rule, and federal and state websites where additional information can be found. To check and see if you are on the list to be monitored and for some reason didn't get either of these letters, just go to Engineering's website at www.healthyarizona.com/eng/. Click on the drop down menu and look for Eng-UCMR2 State Plan Final. The listing of affected water systems is displayed based upon type of source and population.

The contaminants of concern are grouped into two lists: Assessment Monitoring (List1) and Screening Survey (List 2). The Assessment Monitoring consists of one insecticide, one insecticide degradate, five flame retardants, and three explosives. The Screening Survey consists of three acetanilide herbicides, six acetanilide herbicide degradates, and six nitrosamines.

If you have any questions about this Rule, its implementation, or its potential impact on your system, please call Susan Corder or Bob Makin at 501-661-2623. ♦

Water Systems Recognized for Optimal Fluoridation in 2006

Thirty-nine community water systems have been recognized for maintaining optimal fluoride levels in calendar year 2006. While more than 80 water systems in Arkansas artificially fluoridate their water and supply over 1.5 million Arkansas citizens with a great start for improved dental health, less than half of those water systems met the stringent standard for optimal fluoridation.

Optimal fluoridation consists of a series of quality control measures practiced by the water system as well as check samples and documentation submitted to the Division of Health to assure that fluoride levels in that system's drinking water are being maintained at concentrations which are most beneficial to dental health. These measures include:

- A daily check to measure the fluoride level at least 75% of the time.
- Three-fourths of those daily check samples must be within the allowable range for that particular area of the state (0.8 to 1.4 ppm for extreme northern Arkansas and 0.7 to 1.3 ppm for the remainder of the state).
- The monthly average of all daily check samples must be within the allowable range for that area of the state.
- Each month a sample must be submitted to the Division of Health for analysis. The level of fluoride analyzed with the water system's equipment must be within 0.2 ppm of the level measured by the state lab.
- All the above criteria must be met for at least 9 months in a calendar year.

All water systems which fluoridate are to be commended for their effort and expense in providing a documented public health advantage to their customers. The following water systems met the additional quality control criteria and supplied the documentation necessary to be considered optimally fluoridated in January through December 2006.

Arkansas Health Center	Lake City
Atkins	Malvern
Augusta	Manila
Batesville	Marianna
Beaver Water District	Nashville
Benton	Osceola
Benton-Washington County	Paragould
Blytheville	Piggott
Clarendon	Prescott
Clarksville	Russellville City Corp.
Clinton	Sheridan
Dardanelle	Siloam Springs
Des Arc	South Sheridan
Dewitt	Southside
East End WID 1	Stuttgart
Forrest City	United Water
Helena	West Helena
Jacksonville	Wynne
Jonesboro	Yarbro

Kimzey Regional Water

For information about optimal fluoridation, contact Glenn Greenway with the Engineering Section at 501-661-2623. ♦

Arkansas Mutual Aid and Assistance Agreement For Water and Wastewater Utilities

(Note: this is a draft agreement subject to revision. Comments should be directed to Larry Lloyd at 479-756-3651 or LLloyd@bwdh2o.org)

AGREEMENT

This Agreement is made and entered into by public and private non-profit Water and Wastewater Utilities that have, by executing this Agreement, manifested their intent to participate in an Intrastate Program for Mutual Aid and Assistance.

This Agreement is authorized under A.C.A. § 19-11-201, which provides that Water and Wastewater Utilities may contract with each other to provide services.

ARTICLE I. PURPOSE

Recognizing that emergencies may require assistance in the form of personnel, equipment, and supplies from outside the area of impact, the signatory utilities established an Intrastate Program for Mutual Aid and Assistance. Through the Mutual Aid and Assistance Program, Members coordinate response activities and share resources during emergencies. This Agreement sets forth the procedures and standards for the administration of the Intrastate Mutual Aid and Assistance Program.

ARTICLE II. DEFINITIONS

- A. Emergency - A natural or manmade event that is, or is likely to be, beyond the control of the services, personnel, equipment, and facilities of a Mutual Aid and Assistance Program Member.
- B. Member - Any public or private non-profit Water or Wastewater Utility that manifests intent to participate in the Mutual Aid and Assistance Program by executing this Agreement.
- C. Authorized Official - An employee of a Member that is authorized by the Member's governing board or management to request assistance or offer assistance under this Agreement.
- D. Requesting Member - A Member who requests assistance under the Mutual Aid and Assistance Program.
- E. Responding Member - A Member

that responds to a request for assistance under the Mutual Aid and Assistance Program.

F. Period of Assistance - A specified period of time when a Responding Member assists a Requesting Member. The period commences when personnel, equipment, or supplies depart from a Responding Member's facility and ends when the resources return to their facility (portal to portal). All protections identified in the agreement apply during this period. The specified Period of Assistance may occur during response to or recovery from an emergency, as previously defined.

G. National Incident Management System (NIMS) - A national, standardized approach to incident management and response that sets uniform processes and procedures for emergency response operations.

ARTICLE III. ADMINISTRATION

The Mutual Aid and Assistance Program shall be administered through a State Committee. The purpose of the State Committee is to provide coordination of the Mutual Aid and Assistance program before, during, and after an emergency. The State Committee, under the leadership of an elected Chair, shall meet annually to address Mutual Aid and Assistance Program issues and to review emergency preparedness and response procedures. The State Committee includes representatives from Arkansas Water Works & Water Environment Association, Arkansas Rural Water Association, Arkansas Department of Emergency Management, and Arkansas Water & Wastewater Managers Association. Under the leadership of the Chair, the State Committee members shall plan and coordinate emergency planning and response activities for the Mutual Aid and Assistance Program.

ARTICLE IV. PROCEDURES

The State Committee shall develop operational and planning procedures for the Mutual Aid and Assistance Program. These procedures shall be updated at least annually. The Committee shall coordinate as appropriate with other applicable agencies.

ARTICLE V. REQUESTS FOR ASSISTANCE

Member Responsibility: Members shall identify an Authorized Official and alternates; provide contact information including 24-hour access; and maintain resource information made available by the utility for mutual aid and assistance response.

In the event of an Emergency, a Member's Authorized Official may request mutual aid and assistance from a participating Member. Requests for assistance can be made orally or in writing. When made orally, the request for personnel, equipment, and supplies shall be prepared in writing as soon as practicable. Requests for assistance shall be directed to the Authorized Official of the participating Member. Specific protocols for requesting aid shall be provided in the required procedures (Article IV).

Response to a Request for Assistance: After a Member receives a request for assistance, the Authorized Official evaluates whether resources are available to respond to the request for assistance. Following the evaluation, the Authorized Representative shall inform, as soon as possible, the Requesting Member whether it has the resources to respond. If the Member is willing and able to provide assistance, the Member shall inform the Requesting Member about the type of available resources and the approximate arrival time of such assistance.

Discretion of Responding Member's Authorized Official: Execution of this Agreement does not create any duty to furnish assistance when requested. When a Member receives a request for assistance, the Authorized Official shall have absolute discretion as to the availability of resources. An Authorized Member's decisions on the availability of resources shall be final.

ARTICLE VI.
RESPONDING MEMBER
PERSONNEL

National Incident Management System: When providing assistance under this Agreement, the Requesting Utility and Responding Utility shall be organized and shall function under the National Incident Management System.

Control: Responding Member personnel shall remain under the direction and control of the Responding Member. The Requesting Member's Authorized Official shall coordinate response activities with the designated supervisor(s) of the Responding Member(s). Whenever practical, Responding Member personnel must be self sufficient for up to 72 hours.

Food and Shelter: The Requesting Member shall supply reasonable food and shelter for Responding Member personnel. If the Requesting Member fails to provide food and shelter for Responding personnel, the Responding Member's designated supervisor is authorized to secure the resources necessary to meet the needs of its personnel. The reimbursement for such resources must not exceed the State per diem rates for that area. The Requesting Member remains responsible for reimbursing the Responding Member for all costs associated with providing food and shelter, if such resources are not provided.

Communication: The Requesting Member shall provide Responding Member personnel with radio equipment as available, or radio frequency information to program existing radio, in order to facilitate communications with local responders and utility personnel.

Status: Unless otherwise provided by law, the Responding Member's officers and employees retain the same privileges, immunities, rights, duties, and benefits as provided in their respective jurisdictions.

Licenses and Permits: To the extent permitted by law, Responding Member personnel who hold licenses, certificates, or permits evidencing professional, mechanical, or other skills shall be allowed to carry out activities and tasks relevant and related to their respective credentials

during the specified Period of Assistance.

Right to Withdraw: The Responding Member's Authorized Official retains the right to withdraw some or all of its resources at any time. Notice of intention to withdraw must be communicated to the Requesting Member's Authorized Official as soon as possible.

ARTICLE VII.
COST REIMBURSEMENT

Unless otherwise mutually agreed in whole or in part, the Requesting Member shall reimburse the Responding Member for each of the following categories of costs incurred while providing aid and assistance during the specified Period of Assistance.

Personnel: Responding Member personnel are to be paid for work completed during a specified Period of Assistance according to the terms provided in their employment. The Responding Member designated supervisor(s) must keep accurate records of work performed by personnel during the specified Period of Assistance. Requesting Member reimbursement to the Responding Member must consider all personnel costs, including salaries or hourly wages, costs for fringe benefits, and indirect costs.

Equipment: The Requesting Member shall reimburse the Responding Member for the use of equipment during a specified Period of Assistance. As a minimum, rates for equipment use must be based on the Federal Emergency Management Agency's (FEMA) Schedule of Equipment Rates. If a Responding Member uses rates different from those in the FEMA Schedule of Equipment Rates, the Responding Member must provide such rates in writing to the Requesting Member prior to supplying resources. Reimbursement for equipment not referenced on the FEMA Schedule of Equipment Rates must be developed based on actual recovery of costs.

Materials and Supplies: The Requesting Member must reimburse the Responding Member in kind or at actual replacement cost for use of expendable or non-returnable supplies. The Responding Member

must not charge direct fees or rental charges to the Requesting Member for other supplies and reusable items that are returned to the Responding Member in a clean, damage-free condition. Reusable supplies that are returned to the Responding Member with damage must be treated as expendable supplies for purposes of cost reimbursement.

Payment Period: The Responding Member must provide an itemized bill to the Requesting Member for all expenses it incurred as a result of providing assistance under this Agreement. The Requesting Member must send the itemized bill not later than ninety (90) days following the end of the Period of Assistance. The Requesting Member should pay the bill in full on or before the ninetieth (90th) day following the billing date. In the event of a utility's inability to pay, the responding utility will agree to accept payment based on Federal Assistance granted to the area through a Reduced Disaster Area Declaration.

ARTICLE VIII.
WORKER'S COMPENSATION
CLAIMS

The Responding Member is responsible for providing worker's compensation benefits and administering worker's compensation for its employees.

ARTICLE IX.
INSURANCE

Each Participating Utility shall bear the risk of its own actions, as it does with its day-to-day operations, and determine for itself if and what kinds of insurance, and in what amounts, it should carry.

ARTICLE X.
EFFECTIVE DATE

This Agreement shall be effective after the Water and Wastewater Utility's authorized representative executes the Agreement and the State Committee Chair receives the Agreement. The State Committee Chair shall maintain a master list of all members of the Mutual Aid and Assistance Program.

See **Mutual aid** on page 8

News of Note

ARTICLE XI. WITHDRAWAL

A Member may withdraw from this Agreement by providing written notice of its intent to withdraw to the State Chair.

ARTICLE XII. MODIFICATION

No provision of this Agreement may be modified, altered, or rescinded by individual parties to the Agreement. Modifications to this Agreement may be due to programmatic operational changes to support the agreement. Modifications require a simple majority vote of Members. The State Committee Chair must provide written notice to all Members of approved modifications to this Agreement. Approved modifications take effect 60 days after the date upon which notice is sent to the Members.

ARTICLE XIII. PRIOR AGREEMENTS

This Agreement supersedes all prior Agreements between Members to the extent that such prior Agreements are inconsistent with this Agreement.

ARTICLE XIV. PROHIBITION ON THIRD PARTIES AND ASSIGNMENT OF RIGHTS/DUTIES

This Agreement is for the sole benefit of the Members and no person or entity must have any rights under this Agreement as a third-party beneficiary. Assignments of benefits and delegations of duties created by this Agreement are prohibited and must be without effect.

Now, therefore, in consideration of the covenants and obligations set forth in this Agreement, the Water and Wastewater Utility listed here manifests its intent to be a Member of the Arkansas Mutual Aid and Assistance Program for Water and Wastewater Utilities by executing this Agreement on this _____ day of _____ 2007. ♦

NATIONAL

* Benjamin Grumbles, Assistant Administrator for EPA's Office of Water, has requested the agency establish a panel of stakeholders under the Federal Advisory Committee Act (FACA) to negotiate the elements of a revised Total Coliform Rule. That revision is expected to include additional requirements on controlling microbial contaminants in distribution systems. The FACA process has been utilized in previous drinking water regulations including the latest rules for disinfection by-products and treatment of surface waters.

ARKANSAS

* Governor Mike Beebe declared the Week of May 6-12, 2007 as Drinking Water Week in Arkansas. The proclamation recognizes the value of the state's water resources and the importance that water plays in our quality of life and economic well being. Contributions made by the water utility personnel, contractors, and state agencies who work to ensure a dependable and clean supply of water to the citizens of the state are also recognized. A copy of the proclamation can be found at the Engineering Section's website.

* Arkansas Rural Water Association will host EXPO 2007 on May 23, 2007. The event, which will be held at the ARWA training facility in Lonoke, will feature continuing education training, field equipment demonstrations, and a leak repair contest. Attendance will provide operators with four hours of direct training. A golf tournament is planned for May 22 at Hurricane Creek Golf Course in Bryant. Information on the events, including registration, can be found at www.arkansasruralwater.org or by calling 501-676-2255.

* Harold Seifert, P.E., former director of the Engineering Section who retired from the Division of Health at the end of 2006, has been appointed Executive Director for the Southwest Section of the American Water Works Association. The

Southwest Section includes the states of Arkansas, Louisiana, and Oklahoma. In this new position, Seifert will help coordinate Section conferences, seminars, and workshops; promote membership and outreach to other organizations; oversee financial records and transactions; and assist officers in the administration and management of the Section.

ENGINEERING SECTION

* Donald Fiegel has joined the Engineering Section as an Environmental Specialist assisting with the implementation efforts of the Long



Term 2 Enhanced Service Water Treatment Rule and the Disinfectant / Disinfection Byproduct Rule package. Don earned a BS degree in Fish and Wildlife

Management from Arkansas Tech University and served as a Fisheries Biologist and Supervisor for the Arkansas Game and Fish Commission for 21 years. He also worked as a GIS coordinator with ADEQ for 5 years in the Underground Storage Tank Program and as a Natural Resource Specialist for the USDA Forest Service. In addition, Don holds a FAA commercial pilot's license while contracting part time flight related work with the Arkansas State Forestry Service.

* Brad Jarrett is the new staff Capacity Development Coordinator with the Engineering Section. He has over 10 years experience in the water



and wastewater industry, spending the last six years operating, maintaining and ensuring wastewater compliance for a local industry. He also worked several years

with a local environmental consulting company providing laboratory and field test services. Brad has six years experience with the U S Army Reserve and holds a Class 1 Wastewater and Industrial Treatment license from ADEQ.

Mandatory Training Course Schedule

Please note that all courses begin at 8 am

See instructions next page sidebar

MANDATORY COURSE NAME	START DATE	END DATE	OPCERT GRANT ELIGIBLE COURSE	CITY	LOCATION All courses begin at 8 a.m.	SPONSOR
Intermediate Water Distribution	05/07/07	05/09/07	Yes	Camden	Arkansas Environmental Academy	AEA
Basic Water Math	05/08/07	05/08/07	No	Rogers	Metroplex Event Center, 2305 S 8th	ARWA
Basic Water Treatment	05/08/07	05/10/07	Yes	Lonoke	ARWA Training Facility	ARWA
Applied Water Math	05/09/07	05/09/07	No	Rogers	Metroplex Event Center, 2305 S 8th	ARWA
ADHHS Water Compliance	05/10/07	05/10/07	No	Rogers	Metroplex Event Center, 2305 S 8th	ADHHS
Basic Water Distribution	05/15/07	05/17/07	Yes	Clarksville	Clarksville Services Center	ARWA
Basic Water Treatment	05/21/07	05/23/07	Yes	Fort Smith	Contact AEA for more information	AEA
ADHHS Water Compliance	05/30/07	05/30/07	No	Little Rock	DOH, 4815 W. Markham, L137	ADHHS
Intermediate Water Treatment	06/05/07	06/07/07	Yes	Lonoke	ARWA Training Facility	ARWA
Advanced Water Distribution	06/05/07	06/07/07	No	Camden	Arkansas Environmental Academy	AEA
Basic Water Distribution	06/05/07	06/07/07	No	Rogers	Metroplex Event Center, 2305 S 8th	ARWA
Basic Water Math	06/12/07	06/12/07	Yes	Jonesboro	Water & Light Services Center	ARWA
Intermediate Water Distribution	06/12/07	06/14/07	Yes	Fayetteville	Operations Service Center	AEA
Applied Water Math	06/13/07	06/13/07	Yes	Jonesboro	Water & Light Services Center	ARWA
ADHHS Water Compliance	06/14/07	06/14/07	Yes	Jonesboro	Water & Light Services Center	ADHHS
Basic Water Treatment	06/25/07	06/27/07	Yes	Maumelle	Maumelle Water Training Center	AEA
Basic Water Math	07/10/07	07/10/07	Yes	Camden	Arkansas Environmental Academy	AEA
Intermediate Water Distribution	07/10/07	07/12/07	No	Rogers	Metroplex Event Center, 2305 S 8th	ARWA
Basic Water Treatment	07/10/07	07/12/07	Yes	Lonoke	ARWA Training Facility	ARWA
Applied Water Math	07/11/07	07/11/07	Yes	Camden	Arkansas Environmental Academy	AEA
ADHHS Water Compliance	07/12/07	07/12/07	Yes	Camden	Arkansas Environmental Academy	AEA
Basic Water Distribution	07/17/07	07/19/07	Yes	Nashville	Carter Day Training Center	ARWA
Intermediate Water Treatment	07/23/07	07/25/07	Yes	Fort Smith	Contact AEA for more information	AEA
ADHHS Water Compliance	07/24/07	07/24/07	No	Little Rock	DOH, 4815 W. Markham, L137	ADHHS
Basic Water Math	08/07/07	08/07/07	Yes	Lonoke	ARWA Training Facility	ARWA
Basic Water Distribution	08/07/07	08/09/07	Yes	Camden	Arkansas Environmental Academy	AEA
Applied Water Math	08/08/07	08/08/07	Yes	Lonoke	ARWA Training Facility	ARWA
ADHHS Water Compliance	08/09/07	08/09/07	Yes	Lonoke	ARWA Training Facility	ADHHS
Basic Water Treatment	08/14/07	08/16/07	Yes	Clarksville	Clarksville Services Center	ARWA
Intermediate Water Treatment	08/20/07	08/22/07	Yes	Hot Springs	Water & Sewer Service Center	AEA
Advanced Water Distribution	08/21/07	08/23/07	No	Rogers	Metroplex Event Center, 2305 S 8th	ARWA
Intermediate Water Distribution	09/04/07	09/06/07	Yes	Lonoke	ARWA Training Facility	ARWA
Intermediate Water Treatment	09/11/07	09/13/07	Yes	Camden	Arkansas Environmental Academy	AEA
Intermediate Water Treatment	09/18/07	09/20/07	Yes	Clarksville	Clarksville Services Center	ARWA
Advanced Water Distribution	09/18/07	09/20/07	No	Fayetteville	Operations Service Center	AEA
Basic Water Math	09/24/07	09/24/07	Yes	Russellville	Tri-County Water District Training Facility	AEA
Applied Water Math	09/25/07	09/25/07	Yes	Russellville	Tri-County Water District Training Facility	AEA
ADHHS Water Compliance	09/26/07	09/26/07	Yes	Russellville	Tri-County Water District Training Facility	ADHHS

*Opcert Grant Eligible Course – Meal and lodging expenses may be reimbursed for operators from Grant Eligible Public Water Systems. Grant eligible systems must be a Community or Non-Transient Non Community Public Water System serving a population of 3300 or less. The course is space limited, with eligible system operators given preference. All courses require pre-registration. The course sponsor must be contacted to register for each course and to confirm course information that is subject to change or cancellation. Contact information for the sponsors is shown below.

ADHHS – Arkansas Department of Health and Human Services – Contact Jeremy Rowe or Martin Nutt – (501) 661-2623 – Jeremy.Rowe@arkansas.gov.

AEA – Arkansas Environmental Academy – Contact Letitia Rusch – (870) 574-4550 – lrusch@sautech.edu.

ARWA – Arkansas Rural Water Association – Contact Carol Shaw – (501) 676-2255 – arkrwa@sbcglobal.net.

Additional courses are shown on the internet at: <http://www.healthyyarkansas.com/eng/autoupdates/oper/opcert/opcertngn.htm>.

Arkansas LT2 Source Monitoring Update

Chris Joyner, Env. Specialist Supervisor

Now that LT2 source monitoring is underway for Arkansas public water systems serving greater than 10,000 population, let's discuss some of the lessons learned along the way and also the monitoring results to date.

During the first two weeks of monitoring in January, we had issues pop up with the chilling and packing procedures regarding E. coli samples. After being notified that Biovir Laboratories had received several samples that were frozen during shipment, we soon discovered that revisions would have to be made to the packing and shipping techniques in order to prevent freezing during the winter months (< 50°C). Pre-chilling the samples below 10°C in addition to packing with a frozen gel-pack in a small styrofoam cooler during the winter months caused the 125-ml E. coli sample to form ice crystals even with a bubble wrap barrier between the sample and the gel pack. Soon after learning this, we began to notify systems of the issue and decided to use wet ice instead of gel packs and also to pack the E. coli sample bottle with filters instead of using the small styrofoam coolers. However, now that spring has arrived with warmer temps (>50°C), systems should make use of the small styrofoam coolers and gel packs as originally instructed to prevent the E. coli samples from arriving at the laboratory above the upper 10°C restraint.

Going into source monitoring, shipping time was a primary concern for the State. Amazingly, we had only two occurrences from January through March that samples did not arrive within the time restraints. One sample shipment was accidentally sent ground delivery and the other was an E. coli resample that did not arrive in time due to overnight shipping delays. All of the other rejections were E. coli rejections due to the freezing issue as previously mentioned.

The next issue that came up around February monitoring was a change in staff at Biovir within their shipping department. As a result, a few systems received incomplete sample kits causing delays in sample

collection. However, only one system missed their 5-day collection window as a result. The remainder of systems with missing items improvised in order to meet the scheduled monitoring (HATS OFF!!!). We, along with Biovir, feel that this issue has been resolved and expect few problems in the future with the sample kits. However, the sample kits should be received no later than a week prior to the scheduled sample collection date. If a system does not receive their kit within a week of their

schedule, please notify either the State or Biovir so that a sample kit can be mailed out ASAP. A few extra kits will be kept on hand in Little Rock if a system needs to pick one up at the last minute, however, please verify that prior to showing up.

As for sample results, of the 23 sources that are being monitored monthly for cryptosporidium, E. coli and turbidity, a total of five sources have shown the presence of cryptosporidium from January through March, 2007. Out of those five sources, four were river sources with three having multiple occurrences.

So what will this mean for systems as far as treatment? As mentioned in a previous newsletter article, systems will be placed in 1 of 4 treatment bins based on their highest running annual average over the 24 month monitoring period (See Table 1). As an example, once a system has had a cumulative count of between 9 and 119 oocysts during a 12 month period (based on 10-L samples), that system will be looking at Bin 2 requiring at least 1.0 log additional treatment beyond their current 2.0 log treatment requirement (See Table 1). As of April 1st, one Arkansas water system is looking at Bin 2 and will require additional treatment. Based on the results so far,

it is expected that two or three additional systems using river sources may be looking at Bin 2 by the beginning of summer.

As with any new process, source monitoring has not been flawless! However, it has been far from chaotic as a result of some hard work up front by all involved and with a little improvising along the way. For more information on the LT2ESWTR or the implementation efforts in Arkansas, contact Chris Joyner or Lyle Godfrey within the Engineering Section.

Watch for future newsletter articles that will cover Arkansas LT2ESWTR implementation efforts for small systems. For copies of the Federal

Table 1

Bin Number	Cryptosporidium Concentration (oocysts/L)	Sum of oocysts in any 12 month period (10-L samples)	Additional Treatment Beyond Current Requirements
1	< 0.075	< 9	No additional treatment
2	0.075 to < 1.0	9 to < 120	1.0 log (90%)
3	1.0 to < 3.0	120 to < 360	2.0 log (99%)
4	≥ 3.0	≥ 360	2.5 log (99.7%)

Register notice of the regulation or technical fact sheets, visit the EPA Safewater website at <http://www.epa.gov/safewater/disinfection/index.html>. ♦

Water License Renewal

It is time to review your training records to determine if you have sufficient hours to renew your licenses. You will need 24 hours of approved training; 12 of the hours must be direct training. The other 12 can be additional direct training or indirect training. Some of your renewal training can be documented on the internet at this internet site: <http://www.healthyarkansas.com/eng/opcert/oper.htm>.

Renewal documents will be mailed to the licensed operator's address of record in early June 2007. Please wait to submit renewal training documentation and the renewal fee until you have received your renewal invoice. It is critical to include the invoice and training documentation with the fee payment to ensure the fee is correctly applied to your account and your training documentation is available to review.

WATER OPERATOR LICENSES ISSUED

December 1, 2006 through February 28, 2007

<u>NAME</u>	<u>TYPE/GRADE</u>	<u>PUBLIC WATER SYSTEM NAME</u>
APPLE TATE, RICHARD	D - IV	BUFFALO ISLAND REG WATER DIST
ARNOLD, RYAN LEE	D - IV	ARKADELPHIA WATERWORKS
BREEDLOVE, MINDY S	D - I	US AIR FORCE BASE LITTLE ROCK
BRICE, MERVIN D	D - I	US AIR FORCE BASE LITTLE ROCK
BURGESS, TODD HARPER	D - IV	COMMUNITY WATER SYSTEM
CHUNN, THEODIS ALEXANDER	D - I	HOLLY GROVE WATERWORKS
CLINGAN, WILLIAM	D - II	ENGLAND WATERWORKS
COURSEY, KEVIN W	D - I & T - II	EVENING SHADE WATERWORKS
COWAN, JAMES LUKE	D - I	EUREKA SPRINGS WATERWORKS
CRAIG, JAY R	D - I	US AIR FORCE BASE LITTLE ROCK
DAVIS, ROY ARNOLD	D - IV & T - IV	ADHHS, ENGINEERING SECTION
DEVRIES, SARAH RANAE	D - IV & T - IV	ARKANSAS RURAL WATER ASSOCIATION
ELLISON, JAMES	T - II	EVERGREEN PACKAGING PINE BLUFF MILL
FARMER, CHARLES ALBERT	D - III	LONOKE WATERWORKS
FOLEY, ROBERT A	D - II & T - III	NO AR PWS PROVIDED
FRADY, BRIAN CHRISTOPHER	T - II	WARD WATERWORKS
GRAHAM, PAUL TALMADGE	D - IV	HEBER SPRINGS WATER SYSTEM
GRIFFIN, RUSTY LYNN	D - VSS	ALMATIS
GROSS, CRAIG R	D - IV	PARAGOULD CITY LIGHT WATER
HARLAN, BRANDON WYATT	D - IV	HEBER SPRINGS WATER SYSTEM
HAWK, WILLIAM H	D - IV	CABOT WATERWORKS
JACKSON, JOHN JOSEPH	D - II	ROCK MOORE WATER AUTHORITY
JOHN, RICHARD PAUL	D - VSS	ALMATIS
JOHNSON, CARL W	D - IV	HEBER SPRINGS WATER SYSTEM
JULIAN, JIM R	D - I	DYER WATERWORKS
LAGIOS, THOMAS L	D - I	EL DORADO WATERWORKS
LAWS, CHESTER BRENT	D - II	HORATIO WATERWORKS
LEWIS, JAMES W III	T - IV	CENTRAL ARKANSAS WATER
MCGRIFF, JAMES VERNON	D - IV	HWY 63 WATER ASSOCIATION
MERIDETH, SUSAN M	D - IV & T - IV	JONESBORO CITY WATER & LIGHT
MITCHELL, EARL	D - II	GOULD MUNICIPAL WATER-SEWER
MITCHELL, VIRGIL	D - II	MOUNTAIN PINE WATERWORKS
POE, JOSEPH J	D - III	CENTRAL ARKANSAS WATER
REEL, BRIAN L	D - IV	CABOT WATERWORKS
REID, RYAN CL	D - I	US AIR FORCE BASE LITTLE ROCK
SAUNDERS, RICH	T - IV	BENTON-WASHINGTON REGIONAL PWA
SCOTT, BRYAN LEE	D - III	CENTRAL ARKANSAS WATER
SHELBY, JOSEPH E	D - I	US AIR FORCE BASE LITTLE ROCK
SMITHPETERS, JON E	T - III	TEXARKANA WATER UTILITIES
STANLEY, PAUL WILLIAM	D - IV	MAGNOLIA WATERWORKS
STOKES, DARRELL DARNELL	D - I	WEST MEMPHIS WATERWORKS
SULLIVAN, JORDAN WAYNE	D - I & D - IV	BENTON CO WATER
TORREY, PATRICK A	D - IV	FORT SMITH WATER UTILITIES
TYLER, BILLY WAYNE	D - IV	ROGERS WATER UTILITIES
TYLER, LULA	D - I	HOLLY GROVE WATERWORKS
YOKEM, MATTHEW B	D - I	US AIR FORCE BASE LITTLE ROCK

Water License Applications

The Water Operator Licensing Program is receiving a number of license applications that are not fully completed. Applicants are asked to provide in the experience section of the application a brief description of their job duties. In some cases, it is difficult to determine if the experience is applicable to the license type (distribution or treatment), and an Operator-In-Training certificate may be issued when the operator actually has the experience necessary to have received the license.

The application form formerly requested a reference but now requires an experience verification statement. The verification statement must be signed by a person who can verify the applicant's experience and education statements. This is typically the applicant's supervisor, manager, mayor, or board chair. If you are signing the verification statement please make sure the experience description is complete. The most current application is available on the internet - www.healthyarkansas.com/eng/pdf/application.pdf or can be obtained by contacting the water licensing program.

Major Monitoring, MCL, Treatment Technique, & Licensing Violations

Community & Nontransient Noncommunity Public Water Systems – October through December, 2006

ALMYRA	BMCL 10	MORNING STAR	FMCL 10,11,12
BEN LOMAND	Bmon 11,12	MOUNT IDA	DMCL 10,11,12
BENTON COUNTY WATER AUTHORITY #4	Dmon12	MOUNT IDA	Dmon 10
BRINKLEY	DMCL 10,11,12	MOUNT MORIAH	OperLic 10
BRINKLEY	Bmon 11	MOUNT SHERMAN	RMCL 10,11,12
BUENA VISTA-OGEMAW	DMCL 10,11,12	NASHVILLE RURAL	Bmon 10
CALHOUN COUNTY	DMCL 10,11,12	NASHVILLE	DMCL 10,11,12
CAMDEN	Dmon 10	NE YELL COUNTY	DMCL 10,11,12
CASA	DMCL 10,11,12	NE YELL COUNTY	BMCL 11
CHARLESTON	Dmon 10	NEW LONDON	DMCL 10
CHERRY VALLEY	OperLic 10	ODEN-PENCILLBLUFF	TMCL 10,11,12
COLLINS	BMCL 10	OLA	DMCL 10,11,12
DAMASCUS	Bmon 10,12	OZARK ACRES	Bmon 12
DELIGHT	Dmon	PANGBURN	Dmon 10
EARLE	Bmon 10	PARON OWENSVILLE	BMCL 11
EAST MONROE COUNTY	DMCL 10,11,12	PERRYVILLE	Dmon 10
EMERSON	Dmon 10,11	PIKE CITY	DMCL 10,11,12
FIFTY SIX	BMCL 11	QUINN	BMCL 11
FIFTY-SIX	Dmon 12	RAVENDEN SPRINGS	Dmon 11
FOUNTAIN HILL	DMCL 10,11,12	SDM	FMCL 10,11,12
FOUNTAIN HILL	Bmon 12	SILOAM SPRINGS	BMCL 11
GRADY	BMCL 10	SOUTH MOUNTAIN	RMCL 10,11,12
GRADY	Bmon 11	STANDARD UMPSTEAD	BMCL 11
GREENBRIER	Dmon 10	STAR CITY	OperLic 11,12
GREENWOOD	DMCL 10,11,12	STARLIGHT ESTATES	BMCL 10
GREENWOOD	Bmon 11	SUBIACO ACADEMY	Dmon 10
HEAFER –BLACK OAK	Bmon 12	UNITED WATER (PINE BLUFF)	DMCL 10,11,12
HOLLY GROVE	OperLic 10,11,12	WALDRON	DMCL 10,11,12
HUTTIG	BMCL 12	WILSON	BMCL 10
HWY 4-24	Dmon 10	WIRE ROAD	Dmon 10
HWY 4-24	DMCL 10,11,12	WIRE ROAD	DMCL 10,11,12
HWY 82	OperLic 11,12	YELLVILLE	Dmon 11,12
KEISER	Bmon 10		
LAKESHORE ESTATES	Bmon 7		
LEAD HILL	OperLic10,11,12		
LEISURE HILLS MHP	Bmon 10		
LR AIR FORCE BASE	BMON 10		
LOST BRIDGE VILLAGE	OperLic 10,11,12		
LYNN	BMCL 10		
LYNN	Bmon 12		
MAGNET BUTTERFIELD	Dmon 10		
MAYFLOWER	DMCL 10,11,12		
MEDALLION FOODS	BMCL 10		

KEY: Bmon = Bacti Monitoring; BMCL = Bacti MCL; Dmon = Disinfection By Product Rule Monitoring; DMCL=Disinfection By Product Rule MCL or Treatment Technique; Tmon = SWTR Major Monitoring; TMCL = SWTR Treatment Technique; SWTR= Failure to Filter; RMCL = Radiochemical MCL; FMCL = Fluoride MCL; SMCL = Synthetic Chemical MCL; OperLic = Operator Licensing; 10=October, 11=November, 12=December.

WATER SYSTEM IMPROVEMENTS

BIG FLAT & FIFTY-SIX: 24,000 L.F. of 4 inch main and booster pump station for an emergency connection between the two systems.

CENTRAL ARKANSAS WATER: 2.5 MG distribution ground storage tank for the Mabelvale pressure plane.

DYER: upgrade and expansion of an existing booster pump station to 250 gpm.

EASTERN NEWTON COUNTY WATER ASSOCIATION: 2-6 inch main extensions, 150 gpm well, and 0.15 MG standpipe to extend service to the Flatwoods area of Newton County and to blend water between the system's current Hasty and Piercetown wells.

FORREST CITY: construction of 4 water supply wells: two new 800 gpm wells and two replacement wells, 800gpm and 400 gpm.

MONTICELLO: 0.25 MG elevated storage tank and upgraded booster pump station to replace an existing standpipe.

SYLAMORE WATER SYSTEM: booster pump station and 35,000 gal. standpipe to serve a new subdivision in Iazard County.

UNITED WATER ARKANSAS: 240 lb/day onsite sodium hypochlorite generator at Plant #2.

WATALULA WATER ASSOCIATION: 2-8 inch mains, two booster pump stations, and two standpipes to serve additional customers in the Lone Oak, Cravens, Barnes, and New Hope areas of Franklin County.

Southwest Section AWWA Adds Job Board

The Southwest Section AWWA is pleased to announce that it has added a Jobs Board to its web site. The Jobs Board will provide a location where utilities within the Section can post their job openings, and where Section members who are seeking employment can post their resumes or other information relating to their job search. For more information, go to www.swawwa.org, and click on JOBS. The Southwest Section provides this Jobs Board as a benefit to its members.

Information on employment opportunities or positions wanted can be posted to the Jobs Board by emailing the appropriate information to ExecDir@swawwa.org. ♦

Training Records Available On Internet

Water operator license training attendance information is now available on the Internet. Documentation of both renewal training and the mandatory courses for water license examinations can now be obtained on the Internet.

To visit the site, please go to the Engineering Section's main web site at: www.healthyarkansas.com/eng/. On the left sidebar please click on the "Operator Certification" link. On the "Operator Certification" page click on either mandatory exam training or renewal training and enter your training ID number or your name. The training report can then be printed and used to document either your mandatory training for a license exam or your renewal training for your license renewal.

Please note efforts are ongoing to get all approved renewal training available on the Internet. Unfortunately, a lot of the past training information is not in the Engineering Section's needed electronic format. It is hoped most trainers will be able to provide their training information electronically by the start of the next renewal period. ♦

WATER OPERATOR LICENSE EXAMINATIONS

Listed below are the dates and locations of examination sessions as scheduled, as of April 10, 2007. 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 and other electronic communication devices are not allowed in exam sessions. Non-programmable calculators are allowed.

DATE	CITY	LOCATION	TIME
5/2/07	Hot Springs	AWW&WEA Annual Conference, Convention Center	9:00 AM
5/10/07	Camden	Arkansas Environmental Academy	9:00 AM
5/11/07	Lonoke	ARWA Training Facility	9:00 AM
5/18/07	Clarksville	Clarksville Services Center	9:00 AM
5/24/07	Fort Smith	Contact AEA for location information	9:00 AM
5/31/07	Little Rock	L137, Division of Health Building, 4815 W Markham	9:00 AM
6/8/07	Camden	Arkansas Environmental Academy	9:00 AM
6/8/07	Rogers	Metroplex Event Center, 2305 S 8th	9:00 AM
6/8/07	Lonoke	ARWA Training Facility	9:00 AM
6/15/07	Fayetteville	Operations Service Center	9:00 AM
6/28/07	Maumelle	Maumelle Water Training Center	9:00 AM
7/13/07	Lonoke	ARWA Training Facility	9:00 AM
7/13/07	Rogers	Metroplex Event Center, 2305 S 8th	9:00 AM
7/20/07	Nashville	Carter Day training Facility	9:00 AM
7/25/07	Little Rock	L137, Division of Health Building, 4815 W Markham	9:00 AM
7/26/07	Fort Smith	Contact AEA for location information	9:00 AM
8/10/07	Camden	Arkansas Environmental Academy	9:00 AM
8/17/07	Clarksville	Clarksville Services Center	9:00 AM
8/23/07	Hot Springs	Water & Sewer Service Center	9:00 AM
8/24/07	Rogers	Metroplex Event Center, 2305 S 8th	9:00 AM
9/7/07	Lonoke	ARWA Training Facility	9:00 AM
9/14/07	Camden	Arkansas Environmental Academy	9:00 AM
9/21/07	Clarksville	Clarksville Services Center	9:00 AM
9/21/07	Fayetteville	Operations Service Center	9:00 AM
10/5/07	Clarksville	Clarksville Services Center	9:00 AM
10/12/07	Forrest City	Wastewater Plant Training Room	9:00 AM
10/19/07	Nashville	Carter Day Training Facility	9:00 AM
10/25/07	Maumelle	Maumelle Water Training Center	9:00 AM
10/31/07	Hot Springs	ARWA Annual Conference, Convention Center	9:00 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 exam session and its location by contacting your District Specialist or Engineer at (501) 661-2623. Also, the latest exam schedule information, including future exam sessions, can be viewed on the Internet at: < <http://www.healthyarkansas.com/eng/autoupdates/oper/operexam.htm> >.

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 prior to sitting for an exam.

PREPARATION = SUCCESS

REPORT OF THE
Arkansas Drinking Water Advisory and Operator Licensing Committee

A. Martin Nutt, Training and Certification Officer

The quarterly meeting of the Arkansas Drinking Water Advisory and Operator Licensing Committee was held on January 9, 2007. Members present were Gary Hum, Chair; Les Patterson, P.E., Vice-Chair; Robert Hart, P.E., Executive Secretary; Scott Borman; and Steve DiCicco. Arkansas Department of Health and Human Services staff members present were Martin Nutt, and Jeremy Rowe. Guests present were Dennis Sternberg, Gary Oden, Jonathan Richardson, Suzanne Stair, Bill Boozer, Bobby Norton, and Ken Fratesi.

Standing Business

The Committee approved one high school waiver. Patterson and Borman reported continued progress in the AWW&WEA's efforts to electronically to track training attendance. Borman stated a trial run at the December meeting of the AWW&WEA Northwest District had been delayed due to technical difficulties. Borman stated that Scot Bounds, Benton Washington Water Authority, was scheduled to make a presentation on the concept to the Southwest District, AWW&WEA and was willing to present at all of the Districts.

Hart updated the Committee on the Section's Legislative efforts to raise the service fee by a nickel per month per water meter. Hart stated that the increase had the support of ARWA, AWWMA, and AWW&WEA. He reported that Representative Gregg Reep of Warren, District 8, would be sponsoring the bill and introducing it to the Legislature. Hart noted a letter from Dr. Halverson was sent to all the mayors in the state concerning the proposed service fee increase. He mentioned that Engineering Staff would be attending the Municipal League Conference, that a talking points informational pamphlet had been developed, that copies were available to be used at district meetings and other venues, and that the pamphlet and letter had been sent to all PWSs. Hart stressed that the

service fees not only pertain to laboratory services but also to other services provided by Engineering such as Sanitary Surveys, Comprehensive Performance Evaluations, and Consumer Confidence Reports.

Hart reported the OpCert Grant workplan revisions for additional uses of the OpCert Grant submitted to EPA was still under review. Nutt stated that Raymond Thompson, Engineering Section, was working with the Department's contract writers in developing the needed new training contracts to implement the requested workplan changes and that everything appeared to be on track for completion by July 1, 2007. The contracts will expand the OpCert Grant training expense reimbursement to all eligible mandatory courses and to certain non-mandatory courses approved by the Licensing Committee.

Old Business

The Committee addressed the long tabled item of adjusting Arkansas's present license concept of multiple entry to adhere more closely to ABC's recently revised multiple entry exam concepts. ABC's multiple entry exams concept consist of one hundred questions for level 1 exams (entry level). Level 2 exams consist of one hundred level 2 questions plus 20 core questions from the level 1 exam (120 questions total). Level 3 exams consist of one hundred level 3 questions plus 20 core questions from the level 1 exam and 30 core questions from the level 2 exam (150 questions total). Level 4 exams consist of one hundred level 4 questions plus 20 core questions from the level 1 exam, 30 core questions from the level 2 exam, and 30 core questions from the level 3 exam (180 questions total). ABC developed the new concept in order to address concerns that states that use multiple entry exams were not examining operators as thoroughly as ABC's sequential exam program where an operator seeking level 4 certification would first have to pass the exams for levels 1 through 3.

Nutt stated he was bringing this issue to the Committee due to concerns that ABC will at some point require that Arkansas change its program to match either ABC's Multiple Entry Concept or their Sequential Testing Concept in order for the organization to continue to provide validation for the Arkansas program. The Committee discussed the pros and cons of each exam concept and the impact the ABC's multiple entry concept could have on the existing Arkansas program. Hum seeing no clear consensus in the Committee's lengthy discussion concluded the discussion by tabling the topic until the next meeting.

New Business

The Committee received a report from Nutt that Applied Measurement Professionals (AMP) is currently in contract with ABC to provide computer based testing utilizing ABC's exams. Nutt stated that the positives associated with CBT were instantaneous results for examinees and direct reporting back to ABC. Negatives were that the process would require operators to be formally scheduled for an exam, the availability of computer testing facilities close to where Mandatory Courses are held, scheduling those facilities, operator acceptance of CBT, and costs. AMP currently partners with H&R Block to hold CBT sessions at H&R Block's facilities and has five testing sites in Arkansas. Nutt noted that AMP was not the only possibility for CBT in Arkansas. There is an option of working with ABC directly to provide CBT. Sternberg and Oden both stated that their respective organizations may be interested in becoming CBT facilities for water operators. Oden went on to say that SAU Tech was already set up for CBT.

The Committee addressed whether or not collecting bacteriological samples as an operator's only duty necessitates licensing. Nutt stated that the question had arisen because of contract operators sending unlicensed

individuals to collect bacteriological samples. After discussion, the Committee decided that "Direct Supervision" from a licensed operator would apply to this matter and that the responsibility of true and accurate testing would fall on that licensed supervising individual.

The Committee was asked to address whether or not college courses applicable to water system operation should be considered for license renewal credit. After discussion of how college courses such as chemistry, computer information systems, and biology would be applicable to water operation, and that the Committee wanted to encourage operators to obtain college educations, Patterson moved that indirect renewal credit be granted to applicable college courses when approved by the Department. Di Cicco seconded the motion and the motion passed.

Reports to the Committee

Hart, as Engineering Section Acting Director, reported that effective January 21, 2007, Arkansas surface and surface purchase systems would begin monitoring for Cryptosporidium under the Long Term 2 Enhanced Surface Water Treatment Rule. Hart noted considerable effort would have to be given concerning scheduling, the training of operators, samplers, and technical assistance providers, and to collecting the samples. He reported a record high of almost 2000 plan submittals to Engineering for review and approval in 2006, with the plans reviewed within established turn around times and without additional staff. However a portion of the plans from Northwest Arkansas were being reviewed by other districts. Hart commended the Engineering Staff for their efforts.

Hart reported EPA had passed the Unregulated Contaminant Monitoring Rule 2 and that systems would begin monitoring under that Rule in January 2008. Private laboratories would conduct the analyses. Hart stated that the Section planned to fund the collection and analysis of these samples provided funding was available. He stressed the need for all systems to complete the Infrastructure Survey being sent

EPA Releases New Manuals to Help Small Systems Comply with Stage 2 DDBPR and LT2 IESWTR

As part of its Simple Tools for Effective Performance (STEP) series, EPA has developed new manuals to help small public water systems understand the Stage 2 Disinfectants and Disinfection Byproducts Rule (Stage 2 DBP) and Long Term 2 Enhanced Surface Water Treatment (LT2) Rules. In addition to providing an overview of the rules, the manuals provide step-by-step guidance on how small systems (those serving fewer than 10,000 people) can comply with the rule. The manuals also provide helpful worksheets and examples of actions systems might take to comply with the rules. The documents serve as EPA's official compliance guide for small public water systems, as required by the Small Business Regulatory Enforcement Fairness Act (SBREFA) of 1996.

The Stage 2 DBP manual is available on the EPA website at www.epa.gov/safewater/disinfection/stage2/compliance.html

The LT2 manual is available www.epa.gov/safewater/disinfection/lt2/compliance.html

Both documents and other STEP guides are also available on EPA's site for small water systems at www.epa.gov/safewater/smallsys/ssinfo.htm.

Reprinted from the Association of State Drinking Water Administrators Weekly Update.

out by Raymond Thompson. The surveys are used in determining distribution of funds under the State Revolving Fund.

Nutt, in his Training and Certification Officers Report, reported that due to accounting procedure difficulties and slower exam grading times the processing times pertaining to application packets and exam results had increased. Pass/fail rates of exams remain relatively constant. The Committee reviewed documents provided by Nutt pertaining to systems in noncompliance with licensing requirements. Nutt reported that Lead Hill and Lost Bridge were close to administrative action by the Board of Health.

Richardson provided the Arkansas Environmental Academy's report. He provided the Committee a printout of students attending AEA courses. He went on to note that AEA's internet courses were not being overwhelmingly utilized. Hum

requested data on pass fail/rates for internet students. Oden added to the report that their Associate Degree was available online and that SAU Tech was seeing an increase in applicants.

In the Arkansas Rural Water Association's report, Sternberg passed out ARWA's training calendar and reported that ARWA had a record high number of students in 2006. Sternberg reported that Dwayne Huff had left ARWA to work for ARKUPS and that Jim Phillip was hired to fill the position. He reported on ARWA's efforts in introducing the F.O.I Bill on Vulnerability Assessments without a sunset clause stating that the bill was something the industry would need to support. Sternberg also reported on ARWA's support of a bill requiring water system membership with Arkansas One Call.

No other business was brought before the Committee. The next Committee Meeting was set for April 11, 2007, before the meeting was adjourned. ♦

AWW&WEA District Meetings

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

DATE	TIME	CITY	LOCATION	SPONSOR
May 2007				
3	5:00PM	Benton	Benton Senior Citizens Center	Central District, AWW&WEA
10	5:30PM	Clarksville	Western Sizzlin	AR Valley District, AWW&WEA
10	5:30PM	Batesville	Western Sizzlin	North Central District, AWW&WEA
10	5:30PM	Forrest City	Ole Sawmill Restaurant	Eastern District, AWW&WEA
15	6:30PM	Watson Chapel	Leon's	Southeast District, AWW&WEA
17	1:00PM	Jonesboro	Ron's Catfish	Northeast District, AWW&WEA
23	9:00AM	Lincoln	Community Center	Northwest District, AWW&WEA
25	6:30PM	Texarkana	Ole Feed House	Southwest District, AWW&WEA
June 2007				
7	5:00PM	Malvern	Malvern Senior Citizens Center	Central District, AWW&WEA
7	6:30PM	Fort Smith	Golden Corral	Western District, AWW&WEA
14	5:30PM	Russellville	Western Sizzlin	AR Valley District, AWW&WEA
14	5:30PM	Batesville	Western Sizzlin	North Central District, AWW&WEA
14	5:30PM	Forrest City	Ole Sawmill Restaurant	Eastern District, AWW&WEA
19	6:30PM	Warren	Molly's	Southeast District, AWW&WEA
20	9:00AM	Green Forest	High School	Northwest District, AWW&WEA
21	1:00PM	Paragould	Couch's Bar-B-Q	Northeast District, AWW&WEA
22	6:30PM	Nashville	Western Sizzlin	Southwest District, AWW&WEA
July 2007				
5	5:00PM	Little Rock	Clearwater Operations Center	Central District, AWW&WEA
5	6:30PM	Fort Smith	Golden Corral	Western District, AWW&WEA
12	5:30PM	Clarksville	Western Sizzlin	AR Valley District, AWW&WEA
12	5:30PM	Batesville	Western Sizzlin	North Central District, AWW&WEA
12	5:30PM	Forrest City	Ole Sawmill Restaurant	Eastern District, AWW&WEA
17	6:30PM	Star City (Yorktown)	Charlott's Cafe	Southeast District, AWW&WEA
18	9:00AM	Pea Ridge	Emergency Service Bldg.	Northwest District, AWW&WEA
19	1:00PM	Jonesboro	Western Sizzlin	Northeast District, AWW&WEA
22	6:30PM	Camden	Ross Center	Southwest District, AWW&WEA

DIVISION OF HEALTH / ENGINEERING SECTION
 ARKANSAS DEPARTMENT OF HEALTH & HUMAN SERVICES
 P.O. BOX 1437, Slot H-37
 LITTLE ROCK AR 72203-1437
 (501) 661-2623
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