



Drip Newsletter

OWPCA Quarterly Publication
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Drip Newsletter Table of Contents

Letter from "Drip"....page 1

About OWPCApage 2

OWPCA Missionpage 2

OWPCA Providespage 2

Reasons to Joinpage 2

District Managerspage 3

New OWPCA Web Page....page 3

06 Short Schoolpage 3

07 Short Schoolpage 3

07 Short School Nominations
....page 3

President's Wordpage 4

OWPCA Meetingspage 4

Rainbow Makerspage 4

"Get a Friend"page 4

Member Application
....page 5

Class Enrollments
....page 6

Famous Quotes
....page 6

Rules & Regulations Corner
....page 7

Long Term 2 Enhanced Surface H2O
Treatment Rule (LT2)
....page 8

Stage 2 Disinfected Byproducts
....page 9

Games & Comic Relief
....page 10

Renewal Class Schedule
....page 11

Renwal Instructor List
....page 11

OWPCA Officerspage 11

OWPCA Publications
....page 12

Letter from "Drip"

Hello Everyone. OWPCA Drip Newsletter Is BACK!!!!!! It has been a while since our last publications, but we are back in production and going full steam ahead.

We are real excited about the OWPCA organization and all of the new interest it is creating. There are so many new faces and ideas being incorporated into the organization's strong, supportive talents.

If you had a chance to attend 2006's OWPCA Short School, you had an opportunity to witness the many people who are involved in making the OWPCA such a strong organization. There are so many talented people involved with this organization, it would be hard knowing where to begin listing them and thanking them for all of their hard and dedicated work.

The reason for this is everyone involved is a volunteer. OWPCA does not have a "paid" staff like other organizations. We depend on the dedication of the many talents, skills and expertise that our members and volunteers provide to the organization. So, the next time you talk to one of the District Managers, Committee Members, or Officers of OWPCA, let them know how much you appreciate their hard work. They will even enjoy hearing your insights and ideas of how to make the organization and Short School better.

When you became a member of OWPCA, you became a part of a great organization. OWPCA will continue to be a strong organization with members like you who provide your time, talents, and expertise in furthering the cause of the OWPCA.

So... Welcome Aboard... OWPCA Is As Strong As Ever.

From "Drip"



About OWPCA

The Oklahoma Water and Pollution Control Association is a non-profit operator association organized in 1926 and dedicated to the advancement of knowledge among water and wastewater system operators. OWPCA receives no state or federal funds. It is supported only through membership dues, advertising fees for the Drip Magazine, and the proceeds from its Annual Conference and Short School, held each year during the last week of October.

OWPCA works closely with the Oklahoma Department of Environmental Quality to provide high quality training opportunities that meet the standards for approved training credit. OWPCA District Directors and other volunteers conduct training sessions at District Meetings throughout the state. Over the years OWPCA has hosted hundreds of District Meetings providing approved Training to Operators over the State of Oklahoma.

OWPCA Mission

OWPCA is dedicated to the advancement of knowledge pertaining to the science of Water, Waste Management and Wastewater Works Operations; the promotion of cooperation among members, the American Water Works Association, AWWA, the Water Environment Federation, WEF, the Oklahoma Rural Water Association, ORWA, and the Oklahoma Department of Environmental Quality, ODEQ; and the interchange of experience among all groups.

What OWPCA Provides

- An Annual Conference & Short School
- Approved Operator Training at District Meetings Statewide
- Operator Training Materials and Publications
- Opportunities to "Network" with fellow Operators
- Limited Operator Consultation Services
- College Scholarships for Members and Families of Members
- Special Recognition for Outstanding Plants and Operators through Annual Awards Program
- Official Representation for Operators on Oklahoma Water and Wastewater Operator Certification Advisory Council
- Representation for Oklahoma Operators in National Legislation and Policy Development through AWWA & WEF
- Statewide Employment Listings for Positions Wanted and Positions Available
- Product and Service Referrals for Vendors

Reasons To Join OWPCA

- Support your State Water, Waste Management and Wastewater Operator Association
- Receive Drip Magazine Quarterly
- Be Eligible for door prizes at OWPCA District Meetings
- Have Voting Privileges at OWPCA District Meetings
- Support Use of Most Current Operator Training Materials
- Gain a Stronger Voice in the Development of State and National Water and Pollution Control Regulation



OWPCA District Managers

OWPCA has divided Oklahoma up in six (6) districts with a District Manager representing each of the six districts. Check out the OWPCA Web Page to find out who your District Manager is and give them a holler some time.



New OWPCA Web Page

The OWPCA has a new web site at www.owpca.com. The web site is up-to-date and provides you with plenty of information about the organization and the Short School each year. Make sure to check it out.

2006 OWPCA Short School In Review

OWPCA Short school was a big success. We would like to thank all of the participants and vendors who attended this year and most of all, those who helped organize and put on the Annual Short School. Even though the numbers of participants and vendors were down, we found the quality of classes and information provided from the classes and vendors were very useful for all of those who attended. Check out some of the pictures that were taken at the Short School on the OWPCA Web Page at: www.owpca.com

The OWPCA Officers, District Managers, Committe Members, Instructors and Speakers spent long hours volunteering to put the Short School on each year. They do not get paid for doing this. They do this because they are dedicated to helping us and the industry in learning the proper process of the treatment of water. A big "Thank You" to all of you who made this year's OWPCA Short School a big success.

OWPCA gave out awards to many well-deserving operators and treatment plants this year. Two well-deserving students received the Darcy Scholarship Awards. We want to congratulate each and every one of them for contributing so much to the process of the treatment of water and wastewater in the state of Oklahoma. Our health and our family's health depends on your quality service to the industry. Check out the Award and Scholarship Winners on the OWPCA Web Page.

2007 OWPCA Short School

The planning stages for the 2007 OWPCA Short School are already in the works. If you are interested in speaking or conducting a Training Class at the 2007 Annual Short School, or assist in any way, please contact your District Manager or OWPCA Representative. The 2007 Short School is scheduled for October 22 - 26, 2007 at the Clarion Hotel and Conference Center. Mark your calendars today. We are looking for your valuable contribution and input.

2007 OWPCA Short School Nominations

OWPCA is taking nominations for Water and Wastewater Plants, Laboratories, Operators, Laboratory Technicians, and other Awards. Deadline is July 15, 2007. Please make sure you contact Kristi Hill, OWPCA Executive Secretary, for the proper applications and rules for nominations.

The President's First Word

While the last short school is now behind us and the Executive Staff begins to look forward in preparations for next year's school, we each need to work hard toward increasing attendance. The weakness of a volunteer organization is that you rarely have enough volunteers. We need to make sure we mention the Short School to vendors and other operators we come in contact with and do our part in making OWPCA a success!

I would like share this story with you.

This is a little story about four people named Everybody, Somebody, Anybody and Nobody. There was an important job to be done and Everybody thought Somebody would do it. Anybody could have done it but Nobody did it. Somebody got angry that because it was Everybody's job. Everybody thought Anybody could do it but Nobody realized that Everybody wouldn't do it. So it ended up that Everybody blamed Somebody when Nobody did what Anybody could have done!

Remember; A smile is the shortest distance between two people!

Rodger Gilchrist



OWPCA Meetings

OWPCA holds District Meetings throughout the year to discuss and plan for the Annual OWPCA Short School, training classes throughout the the state, and operating business of the OWPCA. The meetings are open for the public and members to attend. We do urge everyone to attend or contact your District Manager to express your interests and inputs for the organizational meetings. The following is the the current schedule for the OWPCA Meetings. We hope to see you there.

16 February 2007	Del City Water Plant
20 April 2007	Del City water Plant
08 June 2007	Del City Water Plant
10 August 2007	Del City Water Plant
22 - 26 October 2007	Clarion Hotel - Short School
14 December 2007	Del City Water Plant

Be A OWPCA Rainbow Maker



OWPCA is always looking for persons with special talents and skills to contribute to the operation and mission of the OWPCA, to shine a light on a topic and become a rainbow. If you are a person with a special talent or skill and would like to contribute some of it, or all of it, to the OWPCA in a particular area, please contact your District Manager or OWPCA Representative and find out what you can do. We have activities of all sizes for you to try. How big of a rainbow can you make?

Get a Friend to Join OWPCA

Get a friend to join the OWPCA and check out the 2007 Annual Short School together. We are making big plans for the 2007 Short school now and you and your friends can be a part of the plans. Check out the OWPCA Web Page for the proper application and mail it in today. Come see what all the fun is about.



Oklahoma Water & Pollution Control Association

P.O. Box 946

Woodward, OK 73802

1-800-776-9722 or 580-256-9722

www.owpca.org

Individual Active Membership Application

Name _____

Mailing Address _____

City _____ State _____ Zip Code _____

Phone Number (____) _____ - _____

E-Mail Address _____

Employer: _____

Individual Membership \$10.00

Invoice Information

City / Company Name: _____

Billing Address: _____

City: _____ State _____ Zip _____

Please mail Membership Application with Membership Dues to the above address.

Thank You and Welcome to the OWPCA.



Class Enrollment Checklist

So you want to enroll in and attend an ODEQ Certification Class so you can obtain an operator and/or a laboratory license. There are two things you need to do when you want to attend an ODEQ Certification Class.

First, you **must** contact the institution, or person(s), hosting the class and notify them you would like to attend their class. This serves several purposes. First, it allows the hosting institution knowledge of who is coming and how many persons are attending. Second, it allows them to inform you of the status of the class and that they have room for you. So, please, call the hosting institution to check on your enrollment and the status of the class **before** you attend the class. Consider contacting them several **months** in advance, that is how fast some of the classes fill up.

Second, you **MUST** fill out an ODEQ Exam Application and send it in at least **three weeks before** the examination to be qualified to take the exam.

Only after doing these two tasks are you enrolled in a class and qualified to take the ODEQ Examinations. Please do not put yourself and the hosting institution in an embarrassing situation by "just showing up to a class" without properly enrolling and submitting your exam application. You may have wasted a trip due to a canceled class, an overbooked class, or to a class which has changed location or dates.

So, be responsible, call the hosting institution and submit your ODEQ Exam Application at least three weeks prior the class.

* * *

Famous Quotes

The three great essentials to achieving anything worthwhile are; first, hard work, second, stick-to-it-iveness, and third, common sense.

Thomas A. Edison (1847-1931) American Inventor

* * *

If you think schooling is tough, wait till you start working. -Rosie Cash

* * *

You gain strength, courage and confidence by every experience in which you really stop to look fear in the face. You must do the thing you think you cannot do. -Elanor Roosevelt



"Rules & Regulations" Corner

The treatment of water and wastewater in Oklahoma is regulated by the EPA and ODEQ. The "Rules & Regulations" concerning the operators and laboratory technicians in Oklahoma can be found in the ODEQ Chapter 252:710 Waterworks and Wastewater Works Operator Certification on the ODEQ web site at: <http://www.deq.state.ok.us/mainlinks/degrules.htm>.

One of the most important Rules & Regulations in Oklahoma is the one which explains who must hold a license and be certified to treat water and / or wastewater in the state of Oklahoma. Under the rule, 252:710-3-31, it states:

252:710-3-31. Certificate Required

- (a) **General requirement.** The following shall hold certifications issued under the Act and this Chapter:
 - (1) All persons who make decisions regarding the daily operational activities of:
 - (A) a public water system, water treatment facility and/or distribution system that will directly impact the quality and/or quantity of drinking water, including a nontransient noncommunity water system; or
 - (B) a wastewater system, wastewater treatment facility and/or collection system.
 - (2) All persons who program or maintain telemetry/SCADA systems and also make process control/system integrity decisions.
 - (3) All laboratory operators who are in general supervision of waterworks/wastewater works laboratory control tests.

So, to have the fullest understanding of who must have a license, please take some time to read and understand the "Rules & Regulations" regulating our industry. Remember, if you want the public and your city administrators to treat you and pay you like a professional, you must act like a professional. Follow the "Rules & Regulations" as mandated by the EPA and ODEQ.

* * *

Long Term 2 Enhanced Surface Water Treatment Rule (LT2)

LT2 rule is developed to improve drinking water quality and provide additional protection from disease-causing microorganisms and contaminants that can form during drinking water treatment. Drinking water comes from source water such as Lake, River, Reservoirs, and Ground Water aquifers. Pathogens, such as Giardia and Cryptosporidium, are often found in water, and can cause gastrointestinal illness. (e.g. diarrhea, vomiting, cramps) and other health risks. In many cases, this water needs to be disinfected through the use of additives such as chlorine to inactive or kill microbial pathogens.

Cryptosporidium is a significant concern in drinking water because it contaminates surface waters used as drinking water sources. It is resistant to chlorine and other disinfectants, and it has caused waterborne disease outbreaks. Consuming water with cryptosporidium, a contaminant in drinking water sources, can cause gastrointestinal illness, which may be severe in people with weakened immune systems and sometimes fatal in people with severely compromised immune systems.

The purpose of LT2 rule is to reduce illness linked with the contaminant Cryptosporidium and other disease-causing microorganisms in drinking water.

Method 1622/1623

Cryptosporidium

A protozoan parasite potentially found in water and other media. Cryptosporidium is defined Method 1622/1623 as an organism which exhibits brilliant fluorescence under UV light, appropriate size (4-6 um), and shape (round to oval) and excludes atypical organisms specifically identified as other microbial organisms by FITC or DIC.

Giardia

A protozoan parasite potentially found in water and other media. Giardia is defined in Method 1623 as an organism which exhibits brilliant green fluorescence under UV light, appropriate size (8-18 um long by 5 to 15 um wide), and shape (oval), and excludes atypical organisms especially identically identified as other microbial organisms by FITC and DIC.

The current EPA method for determination of the identity and concentration of Cryptosporidium and Giardia in water by concentration, immunomagnetic separation. (IMS), and immunofluorescence assay (FA) microscopy.

Source: US EPA www.epa.org

Stage 2 Disinfectants & Disinfection Byproducts Rule Update

If you are a Schedule 1 system, did you meet your October 1, 2006 deadline? If you are a Schedule 2 system, are you ready for your April 1, 2007 deadline? These deadlines are the first in a series of deadlines for the requirement of the DBP2. Schedule 3 and 4 systems' first deadlines are October 1, 2007 and April 1, 2008 respectively.

As a reminder, the Stage 2 Disinfectants & Disinfection Byproducts Rule (DBPR) will affect all community water systems that add and/or deliver water that has been treated with a chemical disinfectant other than UV. Water systems that receive/deliver water containing a disinfectant residual are affected by the DBP2 rule even if the system does not provide treatment to the water. If you purchase surface water, this may be your first contact with the DBPR. The DBP Rule is designed to provide protection to the customers you serve.

The two DBPR Major Rule Requirements include an IDSE (Initial Distribution System Evaluation) and Compliance Monitoring. The IDSE Plan requirement can be met with a Very Small System (VSS) Waiver, a 40/30 Certification, a Standard Monitoring Plan, or a System Specific Study.

The VSS Waiver is available to community water systems serving less than 500 persons AND have monitored for TTHMs and HAAs. The term "40/30" refers to a system having every DBP1 sample less than or equal to 0.040 mg/L for TTHM and 0.030 mg/L for HAA5 during a specific time period. The 40/30 Certification allows a water system to not perform an IDSE sampling plan, IDSE monitoring, nor IDSE report. Water systems who meet 40/30 Certification requirements must still perform TTHM and HAA5 monitoring under the DBPR2 rule.

If a system does not qualify for the VSS Waiver or the 40/30 Certification, the system will be required to develop an IDSE plan, perform monitoring and submit an IDSE report using either the Standard Monitoring option or System Specific option. If the system has extensive knowledge, time, and funds for working on a distribution system hydraulic model, and/or has taken almost three times more TTHM and HAA5 samples than what is required under the DBP1 rule, then the System Specific option may be for you. Otherwise, the Standard Monitoring option will be the option to take.

Accurate Environmental Services is available to assist you with determining your proper IDSE option, or the preparation of your Monitoring Plan, or assistance with compliance Monitoring oversight. Please call and speak to an AES representative at 1.800.516.5227.

Games & Comic Relief

Question:

Would you rather a crocodile attack
you or an alligator?

Answer:

I would rather the crocodile attack
the alligator.

* * *

What Am I

On the charts I remain number
one,
This position cannot be undone,
If I burn, you may get
Just a little bit wet.
In a zeppelin, I am no fun.

Answer:

Hydrogen

* * *

Word Search

Q O G F T N L R U H V V D D A P S M O C V
X L R L C R F M Z S R M B O O S T F C T F
E F O O U V W D D R A I N F I C S F O N E
M G U C D O I I V E P F I I N O G G A E F
G V N C O V N S G T S G N U Y N B E G U D
C R D U R Y F T F A F J O Q N T E E U L N
E N W L P H L R D W M C R K N A Q N L F O
W L A A Y P U I O E Y A G U V M W I A F I
T F T T B A E B T C K K A C V I O R T E T
J P E I T F N U Q A Q C N O N N O O I K A
T X R O N Z T T S F N L I H O A O L O N T
I P B N A I R I I R F H C J I T L H N Y N
N B O D T G P O B U I T N I T I B C E M E
I B E M C O F N D S H N K V A O L K W E M
N D V G E M S S L A Q Y D K D N N G G H I
F R Z J F D N Y O X L O Y W I Z P L C E D
L U X H N N A S O S K T U Q R D U K M R E
O A F Z I J Y T S Z D L G V O Z C W V O S
W X N W S J B E M Y Z M A K U H P F Q L L
C I Z S I C R M I L A F X V L X J D X X J
T I A G D K U C I N A G R O F Q P Q Y S U

Chlorine
Coagulation
Contamination
Disinfectant Byproduct
Distribution System
Effluent
Flocculation
Fluoridation

Ground Water
Inflow
Influent
Inorganic
Organic
Sedimentation
Surface Water

Renewal Class Schedule



OWPCA will keep the Renewal Hour Class Schedule posted in the newsletter and web site as they become available. If there are any topics you are interested in learning or expanding your knowledge about, please contact your District Manager about scheduling a Renewal Class over the topics.

Renewal Class Instructors

OWPCA is looking for Instructors who are willing to contribute some of their time, knowledge and expertise to some of the OWPCA Renewal Hour Classes. You can volunteer from one (1) to four (4) hours of your time for a class. As the list is compiled, we will post the list on our web site and in the newsletter. Your name, contact information and possible topics you feel comfortable presenting will be listed. OWPCA will contact you for a scheduled Renewal Class as interest in your topics develops.



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 - Rodger Gilchrist
- Executive Secretary
 - Kristi Hill
- Program Chair
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- Exhibitor Committee
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 - Co-Chair - Kristi Hill
 - Co-Chair - Kevin Menning
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 - Co-Chair - Carl Gray
 - Co-Chair - Woody Epperson
 - Co-Chair - Jim Pumphrey
 - Co-Chair - Tom Tolbart
 - Co-Chair - Tony Lacy
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 - Co-Chair - Alan Coffin
 - Co-Chair - Sam Drain

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 - Co-Chair - Kevin Menning
 - Co-Chair - Scott Gouard
 - Co-Chair - David Rodriguez
- Web & Drip Publication
 - Editor - Clarke Hodson
 - Web Master - Clarke Hodson
- ODEQ Advisory Member
 - Chris Wisniewski



District Managers

- District One Fred Rice 405-216-7696
- District Two Kevin Menning 1-800-227-4224 ext 2132
- District Three Ron Swafford
- District Four Mike McFall 580-225-4995
- District Five Joyce Hight 580-249-4919
- District Six Vivian Moody

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