

# Accurate NEWS



## ENVIRONMENTAL SERVICES

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## 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.



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## 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 serious 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 FICT 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](http://www.epa.org)

## AETC Classes Are Filling Up Fast

Everyone is finding out the AETC Classes are the **Best Classes in the State** to go to for learning and passing the ODEQ Examinations.

Because of the higher enrollment demands and the consolidation of the AETC classes this fall, you may have found yourself enrolled in a class further down the road than you had expected. We apologize for this temporary situation.

AETC must ask you to begin thinking of enrollments at least three and four months in advance. But, do not be afraid to call to ask about the status of any class coming up, because we have changes in enrollments on a daily basis. So, you may find yourself calling at the best time to get into the class you want to get into.

We currently have our 2007 class schedule up and running and believe you will find it very easy and useful.

Also, food-for-thought, please remember to send in your ODEQ Examination Application at least three weeks before the examination date.

## Accurate Environmental Training Center

### STILLWATER Classes

#### November

31 – 02 "D" W & WW Operator  
07 – 09 "C" Wastewater Operator  
17 Sampling Class

#### December

05 – 17 "D" W & WW Operator  
11 – 14 "C" Water Laboratory

#### January

05 – 11 "D" W & WW Operator  
16 – 18 "C" Water Operator  
22 – 25 "C" Water Laboratory

#### February

06 – 08 "D" W & WW Operator  
12 – 15 "C" Wastewater Laboratory  
20 – 22 "C" Wastewater Laboratory  
26 – 01 "B" Wastewater Laboratory  
26 – 02 "A" Wastewater Laboratory

### TULSA Classes

#### November

14 – 16 "D" W & WW Operator

#### December

05 – 07 "D" W & WW Operator  
12 – 14 "C" Wastewater Operator

#### January

09 – 11 "C" Wastewater Operator  
23 – 25 "D" W & WW Operator

#### February

06 – 08 "C" Water Operator  
20 – 22 "D" W & WW Operator

## 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 Certified 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. Try to do this several months in advance, due to many classes fill up that soon.

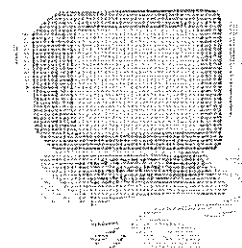
**Second**, you **MUST** fill out an ODEQ Exam Application and send it in at least **three weeks before** the examination to be qualified to take the exam.

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.

## Accurate E-Newsletter

Accurate, Inc. has a E-Newsletter. You will find the same valuable information as you would in our regular newsletter, but you get it by e-mail. If you would like to begin receiving these E-News Publications, please notify Clarke Hodson by phone at 1-800-516-5227, or by e-mail at [clarke-atc@accuratelabs.com](mailto:clarke-atc@accuratelabs.com). We hope to hear from you soon.





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### Accurate Environmental Labs

Accurate Environmental Labs is an NELAP certified environmental laboratory primarily serving municipal and industrial clients in Kansas, Oklahoma, Texas, Arkansas and Louisiana. We provide analytical support for projects involving wastewater, drinking water, ground water, soil, sediment and sludge. In addition, we offer complete field sampling services. We maintain certifications in Oklahoma, Arkansas and Kansas for wastewater and hazardous waste analysis. Accurate Labs is the only commercial lab in Oklahoma fully certified for drinking water analysis.



### Accurate Field Services

Accurate Field Services provides Field Services and Sampling Pick-Up Routes out of Stillwater, Tulsa and Oklahoma City Field Offices. We have routes that extend through out the state of Oklahoma and into southern Kansas, southwest Missouri and northwest Arkansas.



### Accurate Environmental Training Center (AETC)

Accurate Environmental Training Center provides ODEQ State Certification Classes and Training for the Water and Wastewater Treatment Facility Operators, Laboratory Technicians, Distribution and Collection Operators and Technicians, Industry and Pretreatment Personnel, Rural Water Districts, Indian Tribes, State Parks, Public and Private Camp Grounds, Mobile Home Parks, and Construction and Contract Personnel.



### Accurate Laboratory Supply (ALS)

Accurate Laboratory Services provides laboratory supplies needed by most water and wastewater treatment plant and laboratory facilities, industries, and educational facilities, or any other facility in the Oklahoma, Arkansas and Kansas region. Our pricing is very competitive, but the **real value** of ALS is the **service and convenience** we provide. ALS is prepared to help our customers set up and design a lab from scratch if necessary. Another benefit of ALS is free delivery of supplies along our routine weekly routes. For those not serviced by one of our routes, we will use a courier for delivery and charge a small fee.

Accurate Laboratory Services is an **Authorized HACH Regional Distributor** in the state of Kansas, Oklahoma and Arkansas.



### Accurate Environmental Services (AES)

Accurate Environmental Services provides environmental technical services related to municipal and industrial water, wastewater, solid wastes and biosolids, industrial pretreatment and environmental site assessments.