



Accurate NEWS

ENVIRONMENTAL SERVICES

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LT2 and Stage 2 DPB Attack Cities and Towns without Mercy!

The LT2 rule was signed on December 15, 2005 will be published in the Federal Register in January 2006. The Long Term 2 Enhanced Surface Water Treatment Rule (LT2ESWTR or LT2) and the Stage 2 Disinfection Byproduct Rule are the second phase of rules required by Congress and are being promulgated simultaneously. These rules strengthen protection against microbial contaminants, especially Cryptosporidium, and at the same time, reduce potential health risks of DBPs.

The largest systems (serving at least 100,000 people) will begin monitoring in October 2006 which involves two years of monthly sampling for Cryptosporidium. After completing monitoring and determining their treatment bin, systems generally have three years to comply with any additional treatment requirements. Systems must conduct a second round of monitoring six years after completing the initial round to determine if source water conditions have changed significantly.

The smallest systems (serving fewer than 10,000 people) will not begin monitoring until October 2008. To reduce monitoring costs, small filtered water systems will first monitor for E. coli—a bacterium that is less expensive to analyze than Cryptosporidium—and will monitor for Cryptosporidium only if their E. coli results exceed specified concentration levels.

Accurate is currently being EPA certified for the analysis of Cryptosporidium and will be the only EPA approved lab in Oklahoma, Texas, Arkansas, Missouri, Kansas, and New Mexico.

For more information as to how these new rules impact your system please call Accurate Environmental at 800.516.5227.

How Do You Tame and Manage LT2 and Stage 2 DPB?

As reported, the LT2 rule, signed on December 15, 2005, will be published in the Federal Register in January 2006. Mandating the large systems (serving at least 100,000 people) will begin Cryptosporidium monitoring in October 2006 which involves two years of monthly sampling for Cryptosporidium. How can you manage another unfunded and mandated program? Look to Accurate Environmental to provide the analytical services, field services and EPA reporting services. Currently, Accurate is the only commercial laboratory in Oklahoma, Texas, Arkansas, Missouri, Kansas New Mexico, and Louisiana that has passed EPA initial evaluation samples and is soon to be listed as "EPA approval pending" for Cryptosporidium certification.

(cont'd pg 2)



**AETC
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Are Now
In
Oklahoma
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www.accuratetraining.com



“EPA approval pending” for Cryptosporidium analysis. What does that mean? It is a designation the EPA has given due to the passing of Performance Evaluation Samples and currently waiting for the on-site EPA Audit. EPA evaluation of submitted system documentation has given us complete confidence of passing the upcoming audit because our NELAP Program has the same requirements the EPA Cryptosporidium program requires. Plus any samples run at this point forward can and will be submitted for compliance reporting.

Have you priced shipping 25 pounds of water to the nearest EPA Cryptosporidium approved lab, Next Day UPS cost is \$81.65 (cost is approximate based on point of mailing) times 24 shipments equals almost \$2,000.00 dollars in shipment alone! Accurate Field Services can collect your samples for much less than the cost of shipping your samples.

Just as WET Testing, Cryptosporidium analysis will have to be scheduled meaning capacity will become an issue and Accurate would like to give Oklahoma systems first opportunity to sign up. Due to the regional demand anticipated our analytical capacity will quickly fill to capacity. This is another example of Accurate's goal to be a leading environmental microbiological and analytical laboratory specializing in Safe Drinking Water Act (SDWA) testing.

If you have questions concerning LT2 (LT2ESWTR) and the Stage 2 Disinfection Byproduct Rule please call Accurate Environmental at 800.516.5227.

Bin Classification Based on Mean of 12 Samples (pg 6 PWS guidance manual)				
Sum of oocysts found in 12, 50L Samples	Sum of oocysts found in 12, 50L Samples	Corresponding range of mean Cryptosporidium concentrations		Corresponding bin classification
0 - 8	0 - 44	<0.075/L		1
9 - 125	45 - 629	<0.075/L	≤1.0L	2
126 - 365	630 - 1829	≤1.0L	≤3.0L	3
>366	>1830	≥3.0L		4

Bin Classification Based on Mean of 48 Samples (pg 6 PWS guidance manual)				
Sum of oocysts found in 48, 50L Samples	Sum of oocysts found in 48, 50L Samples	Corresponding range of mean Cryptosporidium concentrations		Corresponding bin classification
0 - 35	0 - 179	<0.075/L		1
36 - 503	180 - 2519	<0.075/L	≤1.0L	2
504 - 1463	2520 - 7319	≤1.0L	≤3.0L	3
>1464	>7320	≥3.0L		4

EPA Implementation Support
 Systems serving 10,000 or more will report initial sampling schedule and monitoring results to EPA
 – Data system for electronic reporting and review of monitoring results
 Guidance manuals and help line will address sampling and analysis questions
 – Draft guidance is available
 Ongoing EPA laboratory certification program for *Cryptosporidium* analysis
 – Performance Testing (PT)

Accurate Labs Obtains New Instrumentation

Accurate Labs' new Flow Solution wet chemistry instrument can analyze Nitrate+Nitrite with a detection limit fifty times lower than ion chromatography methods. The Flow Solution uses EPA Methods to analyze for Nitrate+Nitrite with Cadmium reduction, Nitrite, Total Phosphorus, Orthophosphate, Ammonia, TKN, Phenol, Total Cyanide, and Available Cyanide. This new technology now gives Accurate Labs Nitrate and Nitrite detection limits in the single digit parts-per-billion range. We also have very low PPB detection limits for all other analytes. This instrument can use segmented flow or flow injection sample introduction with colorimetric detection or amperometric detection. The Flow Solution has micro flow technology, which uses very little sample volume and low reagent consumption. There are also multiple channels for simultaneous analysis of several analytes. This allows for a high number of samples to be analyzed in a short amount of time. This automated reagent introduction system helps to remove many possible technician errors.

Accurate Labs is constantly searching for newer technology that will improve our ability to analyze samples. This new instrument will help to improve the quality of our work and services for our clients.

Accurate Environmental Training Center

STILLWATER Classes

January	
09	"D" Dist & Coll
10 – 12	"C" Dist & Coll
24 – 26	"C" Water Operator
February	
31 – 02	"D" W & WW Operator
07 – 09	"C" Wastewater Operator
13 – 16	"B" Wastewater Operator
13 – 17	"A" Wastewater Operator
March	
06	"D" Dist & Coll
07 – 09	"C" Dist & Coll
13 – 16	"C" Water Laboratory
20 – 23	"B" Water Laboratory
20 – 24	"A" Water Laboratory
27 – 30	"B" Wastewater Laboratory
27 – 31	"A" Wastewater Laboratory

TULSA Classes

January	
10 – 12	"C" Water Operator
24 – 26	"D" W & WW Operator
30	"D" Dist & Coll
February	
20 – 23	"C" Wastewater Laboratory
March	
07 – 09	"D" W & WW Operator
21 – 23	"C" Wastewater Operator

OKLAHOMA CITY Classes

January	
10 – 12	"D" W & WW Operator
24 – 26	"C" Wastewater Operator
30	"D" Dist & Coll
February	
13 – 16	"C" Water Laboratory
March	
07 – 09	"D" W & WW Operator
21 – 23	"C" Water Operator

AETC First \$500 Scholarship Award Goes To.....

Accurate Environmental Training Center (AETC) is encouraging operators, especially Oklahoma Water and Wastewater Operators, to do their best to provide safe and high quality water for all of Oklahoma by providing a \$500 Scholarship twice a year to AETC Students who make a 90%, or better, on their ODEQ Certification Exams after attending one of the corresponding AETC Classes. The eligible classes for the \$500 Scholarship includes: the Class "A" & "B" Water and Wastewater Laboratory Classes and the Class "A," "B," and "C" Water and Wastewater Operator Classes.

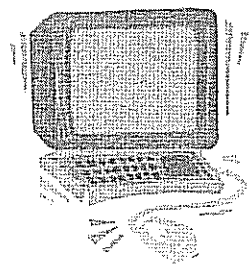
AETC proudly presents the first \$500 Scholarship in mid-January to one of the following professional operators who made 90%, or better, on their ODEQ Examination in the last six months: **Ken Mowdy**, from the City of Norman, **Jack Bower**, from the City of Grove, **Mike Hamman**, from American Water Services at Fort Sill, **Sherry Gaskins**, from Lawton, **Brandon Nguyen**, from the City of Midwest City, **Travis Graham**, from the City of Achille, and **Kenneth Schwab**, from Infrastructure in Tulsa. AETC would like to congratulate these excellent students for scoring so well on the ODEQ Examinations and we wish them well in the future.

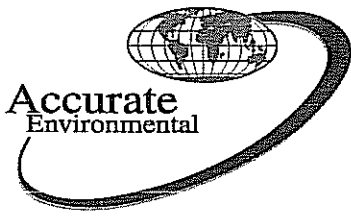


The next \$500 Scholarship will be awarded in mid – July to an AETC student who had scored a 90%, or better, on an ODEQ Certification Examination between January 01, 2006 and June 30, 2006. Good Luck to these students and we hope to see you in class and on the Scholarship List soon.

Accurate E-Newsletter

Accurate, Inc. has a E-Newsletter in production. 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. 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)

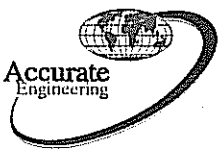
Accurate Environmental Training Center provides ODEQ State Certification Classes and Training for the Water and Wastewater Treatment Facility Operators, Laboratory Technicians, Distribution and Collection Operators and Technicians, Industry and Pretreatment Personnel, Rural Water Districts, Indian Tribes, 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.