Accurate NEWS

Laboratory | Training | Supplies

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## Can My Plant Produce or Is It Outdated????

If somebody has told you "your system needs upgrades" or "you need a new plant," get an **unbiased** scientific second opinion. Accurate's Environmental Services group can evaluate your system's performance by performing complete plant audits using our fully equipped analytical lab. This will produce solid analytical data from which a prudent plan of action can be made, yielding better water quality and cost savings. There have been occasions where studies showed a plant was able to meet regulatory demands after a few minor operational changes were made, translating into a savings of 100's of thousands of dollars for the system. Accurate Labs has a vast list of ODEQ Certified parameters for Drinking Water analysis including THM, HAA, TOC & SUVA which your system will need to prove compliance. If you have further questions as to how this program affects your system or if you have system performance problems call David Kincannon or Kenneth Crawford.

## Mercury Contamination in Fish Tissue

If you eat fish, Mercury (Hg) can be a concern because it accumulates in fish tissue over time. Hg is a heavy metal that can be toxic to humans when ingested or absorbed through skin. Accurate Environmental Laboratories can analyze fish tissue for the presence of Hg. We are equipped with the latest and most sensitive equipment available in the market today. We can analyze any toxic heavy metals with accuracy, efficiency, and the lowest detection limits possible. Call one of our scientists today if you have any questions.

## Top 20 Hazardous Substances

Every two years, the Environmental Protection Agency (EPA) and the Agency for Toxic Substances and Disease Registry (ATSDR) are required to produce a list of hazardous substances. This list is known as the CERCLA Priority List of Hazardous Substances. It is mandated by the Congressional Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) as amended by the Superfund Amendments and Reauthorization Act (SARA). The last CERCLA was produced in October of 2001, and a new up to date list is expected to be released next month. Below are the top 20 hazardous substances as listed by the CERCLA Priority List of Hazardous Substances for 2001. Please note that these compounds are not listed by "most toxic" to "least toxic". The compounds are organized and prioritized by the combination of their collective abundance, toxicity, and potential human exposure. Accurate Labs Inc currently analyzes for all of the top twenty substances, 15 of which are tested by the Organic Department.

### Top 20 Hazardous Substances List

1. Arsenic
2. Lead
3. Mercury
4. Vinyl Chloride*
5. Polychlorinated Biphenyls (PCBs)*
6. Benzene*
7. Cadmium
8. Benzo[a]pyrene*
9. Polycyclic Aromatic Hydrocarbons*
10. Benzo[b]fluoranthene*
11. Chloroform*
12. DDT, p',p'*
13. Aroclor 1254*
14. Aroclor 1260*
15. Trichloroethylene*
16. Dibenz[a,h]anthracene*
17. Dieldrin*
18. Chromium, Hexavalent
19. Chlordane*
20. Hexachlorobutadiene*

** Denotes analytes tested by the Organics Department*

Renato M. Caballero III
*Assistant Manager, Organics Department*

# Accurate Environmental Training Center

### *STILLWATER Classes*

**January**

| | |
|---|---|
| **06 – 08** | Class "D" W & WW Operator |
| **13 – 15** | Class "C" Water Operator |
| **26 – 29** | Class "C" Wastewater Lab |
| **27 – 30** | Class "A/B" Wastewater Operator |

**February**

| | |
|---|---|
| **03 – 05** | Class "D" W & WW Operator |
| **09 – 12** | Class "A/B" Water Operator |
| **24 – 26** | Class "C" Wastewater Operator |

**March**

| | |
|---|---|
| **02 – 04** | Class "D" W & WW Operator |
| **08 – 11** | Class "C" Water Laboratory |
| **15 – 18** | Class "B" Water Laboratory |
| **15 – 19** | Class "A" Water Laboratory |
| **22 – 25** | Class "B" Wastewater Laboratory |
| **22 – 26** | Class "A" Wastewater Laboratory |

### *TULSA Classes*

**January**

| | |
|---|---|
| **06 – 08** | Class "C" Water Operator |
| **27 – 29** | Class "D" W & WW Operator |

**February**

| | |
|---|---|
| **03 – 05** | Class "C" Wastewater Operator |
| **09 – 12** | Class "C" Water Laboratory |
| **24 – 26** | Class "D" W & WW Operator |

**March**

| | |
|---|---|
| **02 – 04** | Class "C" Water Operator |
| **16 – 18** | Class "D" W & WW Operator |

# AETC News Updates

***Beginning 01 January 2004,*** AETC is updating their policies concerning:

The 100% Guarantee on the Class "C" and "D" Operator classes, and taking the ODEQ On – Line Computerized Examinations at AETC.

## 100% Guarantees

AETC is still providing the 100% Guarantee on their Class "C" and "D" Water and Wastewater Operators Certification Classes.

**The new policy is:** There will be a $25 registration fee per day for the first retake of the class. If the student fails a second time, the tuition reverts back to full tuition.

## ODEQ On – Line Computerized Examinations at AETC

Any operator who takes a class at AETC has the option of taking the ODEQ On – Line Computerized Examinations at AETC on the last day of class.

**The new policy is:** Due to the cost of the computers, Internet service and the salary for a person to "proctor" the examination, there will be a $10 computer fee per examination per operator paid to AETC (this is in addition to the $40 fee per examination sent to ODEQ). If an operator fails the examination and comes back to retake the examination during another class session, there will be another $10 computer usage fee per examination per operator paid to AETC (in addition to the $40 per examination sent to ODEQ to retake the examination). Only the operators who actually take the ODEQ Computerized Online Examinations at AETC will be responsible for the $10 Computer Fee.

Having you as our client is important to us and we strive to provide the best quality service to you as we possibly can. We believe these policy updates will help provide better services and programs for our clients. We apologize for any inconveniences that this may cause. If you have any comments or questions, please do not hesitate to call Clarke Hodson at 1 – 800 – 516 – LABS (5227).

# Accurate Environmental Training Center Student Scores 100% On Class "D" Operator Examination

Congratulations to Henry Johnson of L & L Construction of Jenks, Oklahoma. He scored a perfect 100% on his Class "D" Wastewater Operator Examination after attending a Class "D" Water & Wastewater Operator Class at Accurate Environmental Training Center in Tulsa in October 2003. This makes him eligible to receive Free Tuition for his Class "C" Wastewater Operator's Class from Accurate Environmental Training Center.

Many of the AETC students have scored well on the ODEQ Examinations after attending their certification classes at AETC, with many of them scoring above 95%. Henry Johnson is the first AETC student in six years that scored a 100% on the ODEQ Examinations. We are proud of Henry for doing such a good job on his examinations. Congratulations again to Henry Johnson of L & L Construction of Jenks, Oklahoma.

# Why You Should Be Using Accurate Labs & Environmental Training Center

**Quality Service:** Quality means different things to different people. To us it means completing your project in a timely fashion, using industry-accepted methods along with some innovative thinking and providing a personal touch, all at a reasonable cost.

**Turnaround Time (TAT):** Our standard TAT is one of the fastest around. Other companies will charge you a premium, or rush charge, to complete your work as fast as we normally do. If you need a project turned extra fast, let us know and we can probably accommodate you. The consequence of missing a deadline can be much more costly than the additional rush charge.

**Project Cost:** Price alone should not be your primary concern. Project and analytical costs can be minimal when compared to regulatory noncompliance. Our competitive pricing combined with unmatched service makes us the best bargain around.

**Equipment:** We are constantly updating our analytical equipment, field equipment, vehicles, training centers, etc, to provide you with the lowest detection limits and most accurate results technology will allow.

**Personnel:** We employ a diverse group of individuals with strong technical backgrounds in a number of complimentary fields. Our collective knowledge allows us to solve problems and complete projects others won't even attempt.

**Facilities:** Our offices are conveniently located in Stillwater, Tulsa and Oklahoma City. This means you will not have to go far to experience the superior service our clients are always talking about. Stop by and tour our facilities, meet our people and discover the advantages of using Accurate Labs & Environmental Training Center.

Vernon Seaman,
*Marketing Manager*

# Instructions for Sample Collection into Containers

### Container Type & Preservation

Sample containers provided by Accurate Labs are certified clean by the manufacturer and pre-labeled for your convenience. Depending on analysis required, the container may be glass or plastic and may or may not be preserved with different types of preservation required dictated by the analytical method. Accurate can provide you with the proper container type and preservation for the analysis needed. If containers used have preservation it will be indicated on the container label and may have additional labeling on the containers lid.

**PLEASE BE CAREFUL WITH PRESERVATION IN CONTAINERS.**

They may be acidic or basic or of another type that may be harmful by contact or ingestion. Accurate recommends that the proper PPE be worn if needed.

### Collection of Volatile Samples

Volatile samples are normally collected in 40 or 60ml Glass vials. They should be filled slowly until sample water is domed at the top of the vial. If container is preserved, do not rinse or over fill vial. Screw lid down carefully until tight. Turn vial over and tap to see if air is present in sample. If air is present, unscrew lid and add more sample water. Repeat until there is no air in sample. Do not over tighten. 2-3 vials are generally needed per sample.

### Collection of Bacteria Samples

Containers for Bacteria Coliform samples are sterilized containers and have the lid attached by a then piece of the molded plastic. When the lid is pushed open it snaps and therefore these containers are sometimes call "Snap-Caps". Since this test is testing for the presence of "any" bacteria, great care should be taken to not touch the inside of the container, or drop anything into it. Container has a 100ml fill line to which the sample water has to be filled to.

### Collection of All Other Sample Containers

All other sample containers should be filled to the bottom of the neck. Do not rinse or pour out any preservation that may be in the container.

**All samples are generally iced in an ice chest or placed in a refrigerator until shipment. This inhibits bacterial growth, volatilization and degradation.**

# Accurate Field Services

Accurate Field Services provides Field Services, Sample Pick-Up and Laboratory Supply Delivery Routes out of our Stillwater, Tulsa and Oklahoma City Field Offices. We have over ten routes that extend throughout the state of Oklahoma, into southern Kansas, southwest Missouri and northwest Arkansas.

To make your life easier, we can pick up samples and deliver supplies anywhere along our routes. If you are near one of these communities and would like Field Services, Sample Pick-Up or Laboratory Supply Delivery, please call John Russell in Stillwater at 1-800-516-Labs (5227) or Vernon Seaman in Tulsa at 1-918-663-5400. John and Vernon look forward to talking with you about what we can do for you.

A few of the major communities we utilize as anchors for many of our routes include, but are not limited to:

***Oklahoma*** - Ada, Ardmore, Barnsdall, Bartlesville, Braggs, Checotah, Disney, Duncan, Enid, Fort Gibson, Henryetta, Hominy, Lawton, Miami, Muskogee, Nowata, Oilton, Okmulgee, Pawhuska, Ponca City, Pryor, Sand Springs, Sallisaw, Seminole, Sapulpa, Vinita, Wagoner, Woodward

***Arkansas*** - Bentonville, Fayetteville, Fort Smith, Rogers, Siloam Springs, Springdale, Van Buren

***Kansas*** – Arkansas City, Coffeyville, Wichita

***Missouri*** - Joplin

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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 basic 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.