

# ACCURATE NEWS

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### STILLWATER

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### Previous Articles

- Feb:** Stage 2 DBP Testing
- Jan:** Quality Training, Effective Oper
- Dec:** Lab Training at Its Best
- Nov:** Exceptional Value...
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[www accuratelabs.com](http://www accuratelabs.com)

## Giardia and Cryptosporidium

Giardia and Cryptosporidium are intestinal parasites that can cause gastrointestinal infections in humans. These pathogenic microorganisms cause disease outbreaks when the Giardia cysts or Cryptosporidium oocysts are ingested. According to the Center for Disease Control, Giardiasis is the most common intestinal parasitic disease affecting humans. Both infections can cause similar symptoms, such as, diarrhea and abdominal cramping, typically lasting anywhere from seven to thirty days. Giardia and Crypto are usually ingested with contaminated drinking water and recreational waters. In April of 1993, contamination of the Milwaukee, Wisconsin water system caused 400,000 cases of Cryptosporidiosis. More than 1,000 people were hospitalized, with 100 deaths attributed to the outbreak. Since then, much research has been done to determine effective treatment strategies for these particular microbiological contaminants.



Giardia and Crypto are often found in surface waters and groundwater under the direct influence of surface waters. Giardia has proven difficult to treat due to its tolerance to traditional disinfection methods, and Cryptosporidium can be even more difficult to treat as it is also resistant to chlorine-based disinfectants, as well as, being small enough to pass through filters that will catch Giardia cysts. Studies have shown alternative disinfection methods, such as UV light, to be very effective at inactivating these pathogens.

Very few laboratories are equipped and certified to test for Crypto and Giardia. In fact, Accurate Labs is one of only 19 commercial laboratories in the nation that are approved by the EPA for Cryptosporidium analysis under the Safe Drinking Water Act. With state-of-the-art equipment, unmatched expertise, and a broad range of environmental services Accurate Environmental can provide any level of support your system requires. From high quality analytical data to on-site operational assistance, Accurate can help you and your system achieve maximum potential. For more information, visit us online at [www accuratelabs.com](http://www accuratelabs.com) or call (800) 515-LABS.

## Plan Ahead For Training

Certification classes are filling quickly. Operators wishing to take upcoming certification classes and/or exams should start planning 2 or 3 months ahead of time to reserve your spot in the class. Accurate Training Center can provide you with all the necessary registration forms, as well as, offering assistance with filling out and submitting the DEQ exam application. Contact **Jeff Clarke** by calling the toll free number or email [jeff@accuratelabs.com](mailto:jeff@accuratelabs.com) to request a registration packet.

## STILLWATER CLASSES

### MARCH

02	Exam Session #10111
06 – 08	"D" Water & Wastewater Oper
13 – 15	"C" Water Operator
19 – 22	"C" Wastewater Laboratory
26 – 29	"B" Water Laboratory
26 – 30	"A" Water Laboratory

### APRIL

02 – 05	"B" Wastewater Operator
02 – 06	"A" Wastewater Operator
10 – 12	"D" Water & Wastewater Oper
13	Exam Session #10296
16 – 19	"C" Water Laboratory
23 – 26	"B" Wastewater Laboratory
23 – 27	"A" Wastewater Laboratory

### MAY

04	Exam Session #10297
08 – 10	"D" Water & Wastewater Oper

### JUNE

07	Biological Processes/Activated Sludge
14	Quality Assurance & Quality Control
21	Intermediate Math / Advanced Math
28	Sampling

## TULSA CLASSES

### MARCH

09	Exam Session #10113
19 – 22	"B" Water Operator
19 – 23	"A" Water Operator
27 – 29	"D" Water & Wastewater Oper

### APRIL

06	Exam Session #10292
17 – 19	"C" Water Operator
24 – 26	"D" Water & Wastewater Oper

### MAY

11	Exam Session #10293
15 – 17	"C" Wastewater Operator
22 – 24	"D" Water & Wastewater Oper

### JUNE

05	Sampling
12	Intermediate Math / Advanced Math
19	Quality Assurance & Quality Control
26	Biological Processes/Activated Sludge

*For registrations or questions contact Jeff Clarke  
(800) 516-LABS or [jeff@accuratelabs.com](mailto:jeff@accuratelabs.com)*

## Learn what Accurate can do for you!

Follow the link to the right to watch a short video about Accurate Environmental Services. The 4 ½ minute video highlights the broad range of environmental services that Accurate offers including lab testing, operator training, engineering services, and more. The video can also be viewed on the Accurate Environmental homepage at [www.accuratelabs.com](http://www.accuratelabs.com).

*(Click the picture to view video)*



**Accurate Environmental** is one of the nation's most unique and comprehensive environmental service providers. They not only operate the largest commercial environmental lab in Oklahoma and state-of-the-art operator and laboratory training centers, but also provide laboratory supply sales, field and sampling services with weekly sample pick-up routes, as well as environmental and engineering services.

**Accurate Labs** is comprised of three full-service laboratories, including our headquarters in Stillwater and two additional labs in Tulsa and Oklahoma City. They provide analytical services for drinking water, wastewater, groundwater, soil, sediment, sludge, and hazardous waste. They are nationally certified through The NELAC Institute, and the only commercial lab in Oklahoma that is fully certified for drinking water analysis.

**Accurate Environmental Training Center (AETC)** is an award winning training center offering operator and laboratory certification and renewal classes at their classrooms in Stillwater and Tulsa. Using multiple instructors for each class, and various teaching methods, such as pie charts and standard formulas for math, AETC is able to tailor training to meet the needs of each individual student.

**Accurate Laboratory Supplies (ALS)** is an authorized Hach dealer that can save you valuable time and money on all your laboratory supplies, chemicals, and equipment needs with one simple phone call. ALS even offers FREE DELIVERY to clients along their routine sample pick-up routes.

**Accurate Field Services**, with a team of well-trained field service technicians, provides field and sampling services throughout the state for drinking water, wastewater, soil, sludge, and hazardous waste. Accurate Field Services also has weekly sample pick-up routes to provide their clients with a fast, economical, and safer way to get samples to Accurate Labs for analysis.

**Accurate Engineering Services (AES)** provides expert technical assistance related to municipal and industrial water, wastewater, solid wastes and biosolids, industrial pretreatment, and environmental site assessments. AES is here to help your system meet EPA and DEQ rules and regulations, improve operation performance, and reduce operating costs.