

THE MAIN EVENT

A NEWSLETTER FOR OKLAHOMA WATER & WASTEWATER OPERATORS VOLUME 4, ISSUE 3 DECEMBER 2003
DEDICATED TO THE MEMORY OF JESSE VAUGHN



JESSE VAUGHN WILL BE DEEPLY MISSED

Jesse Vaughn touched and changed many lives by doing what he did best, sharing what he knew with operators across the state of Oklahoma. He was well known all across the state for being an expert in the water and wastewater fields and teaching water and wastewater classes. He was also known for having a special knack for math and he shared that expertise generously with many. In fact, as many of you know, Jesse had a unique way of teaching math using pie charts that put the information in a simple format that benefited many.

Jesse was open to new ideas and encouraged people to be open and to not be afraid to try new things. It didn't matter who you were or where you lived. He would make himself available to help. He was a person who didn't seem to need credit for doing something. In fact, he was known for transferring credit to others. Jesse was a man who cared about people and was dedicated

to sharing what he knew with many.

From April 1999 to the time of his death, Jesse Vaughn served on the Oklahoma Department of Environmental Quality's Waterworks and Wastewater Works Advisory Council and was the Chairman of the Council for the calendar year 2001. He also volunteered his expertise to the DEQ in helping to produce study guides and other operator materials.

In 1963 Jesse began working as an operator at the Ardmore water treatment plant. He then worked for the City/County Health Department for twenty years. In 1994 he began working for the Oklahoma Rural Water Association. Besides working in water systems management, he also was the manager of the Small Community Technical Training and Education program for the Association.

Jesse's hard work and dedication will continue to be appreciated. Moreover, Jesse himself will be deeply missed!

Upcoming LT1ESWTR regulation fortifies turbidity and monitoring requirements

Compliance deadline in one year

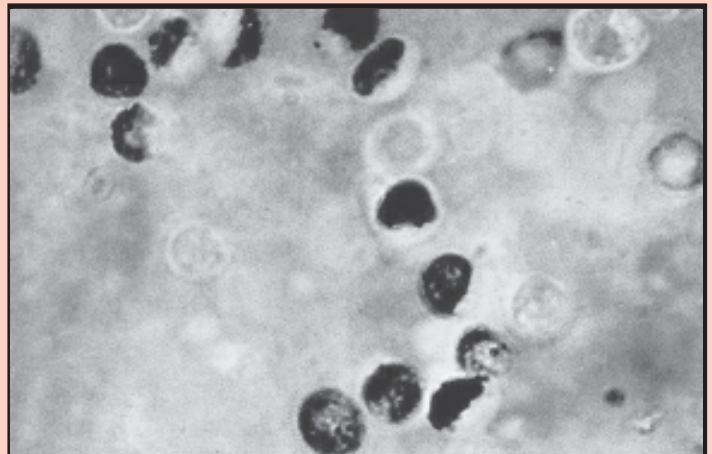
The Long Term 1 Enhanced Surface Water Treatment Rule, otherwise known as the LT1ESWTR, is the small-system version of the Interim Enhanced Surface Water Treatment Rule (IESWTR) that already has been adopted by 40 large Oklahoma systems. In addition to the disinfection profiling and benchmarking that subject systems have already begun, it will hold systems serving less than 10,000 persons – and using surface water or ground water under the direct influence of surface water

(GWUDI) – to strengthened combined filter effluent (CFE) turbidity standards and new individual filter effluent (IFE) monitoring requirements.

Nationwide, the LT1ESWTR's 2004 and 2005 compliance deadlines will affect more than 11,000 systems serving 18.5 million people. In Oklahoma, there are about 200 surface water systems subject to LT1ESWTR.

Why this regulation, at this time?

The USEPA aims to reduce the occurrence of disease-causing microbes – in particular, the Cryptosporidium parasite – in



The spherical *Cryptosporidium* oocyst, four to six microns in diameter, is shed by wild and domestic animals and found in natural waters in many parts of the United States. It is a potentially very harmful microorganism and has been shown to be resistant to chlorine concentrations as high as five percent (50,000 parts per million, or mg/L). Yet treatment that results in very-low turbidity usually removes the cyst. *Image courtesy of Colorado State University Diagnostic Laboratory, Fort Collins, Colorado.*

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**CEU Plan On-Line
Interactive
Education**

(for Online Interactive
Continuing Education
Units)

The following classes
have been approved for
four (4) hours of DEQ
training.

- ❖ Chlorination
- ❖ O&M Repairs
- ❖ Safety I
- ❖ Safety II
- ❖ Corrective
Preventive
Maintenance I
- ❖ Corrective
Preventive
Maintenance II
- ❖ NPDES-Compliance
Training Manual
- ❖ Activated Sludge
- ❖ Mathematics
- ❖ On-Site Sodium
Hypochlorite
Generator
Conversion
- ❖ Hazardous
Materials
effects to Human
Health
- ❖ Sludge Digestions
and Solids Handling
- ❖ Emerging
Waterborne
Pathogens
- ❖ Basic Chemistry I
- ❖ Basic Chemistry II

It is easy, just go to the
web-site

www.ceuplan.com
and follow the prompts
to enroll and pay for
any classes in which
you are interested.

**Operator
Certification
Contacts**



Water Quality
Main # (405) 702-
8100
Fax Line (405) 702-
8101

**Class Approvals,
Temporary &
Helper Licenses**
Interactive TV Classes
Mark Kurklin
(405) 702-8148

**Forms & Operator
Information**
Vnette Packhorse
(405) 702-8172 OR
Jeannie Filkins
(405) 702-8175

**Newsletter &
Suggestions**
Kristi Sanger
(405) 702-8144

Exam Approvals
Angie Ratcliff
(405) 702-8150

Enforcement
Monroe McKissic
(405) 702-8146

DEQ Website
WWW.DEQ.STATE.OK.US

**Upcoming LT1ESWTR regulation fortifies
turbidity and monitoring requirements**
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The LT1ESWTR will require an on-line turbidimeter on each filter to record individual filter effluent (IFE) turbidity every 15 minutes. This data will help operators assess the effectiveness of each element of the filtration process. The very low turbidities that result from filtration optimization can signal removal of Cryptosporidium cysts as well as organic matter that can result in disinfection by-product (DBP) formation.

U.S. drinking water. At the same time, in other regulations, USEPA is limiting the concentration of potentially hazardous disinfection by-products (DBPs) in drinking water, a measure that could result in amendment of current disinfection practices. The LT1ESWTR will encourage subject systems to optimize filtration processes and to reduce the risk of pathogens in the final delivered water.

**What are the new
LT1ESWTR turbidity
monitoring requirements?**

All subject filtration plants must measure CFE turbidity at least once every four hours, or less often for some systems as ruled by the state. Plants applying conventional

filtration must realize less than or equal to 0.3 NTU (Nephelometric Turbidity Units) in 95% of CFE measurements made each month, with a maximum of 1 NTU.

Plants applying slow sand filtration will continue to be required to realize no more than 1 NTU in 95% of each month's CFE measurements with a maximum allowable 5 NTU.

Perhaps most impacting for small systems (excluding slow sand filter systems) is the requirement for IFE turbidity measurement minutes and recording at least every 15 – basically, continuously. A system that has no more than two filters should contact the state for

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EXAM SESSIONS

Exam sessions begin at 8:30 a.m. Exam applications can be printed from the DEQ website, www.deq.state.ok.us. Exam applications are also available from the Operator Certification Section at (405) 702-8100. **Please be sure to use the current exam application (rev 1-2003), as our mail is no longer being forwarded from our old location. The old address may appear on old exam applications.** Any combination of two D and/or C exams may be taken at the same exam session. **All exam applications must be postmarked three weeks before the exam session.** The nonrefundable and nontransferable application fees (\$40 per exam) must be mailed with your application. Exams can be rescheduled within 120 days; however, all fees are forfeited if an exam is not taken within 120 days. If you have questions, please call Angie Ratcliff at (405) 702-8150. **WITHIN THREE WEEKS OF EXAM COMPLETION, A REPORT OF YOUR EXAM RESULTS WILL BE MAILED TO YOUR HOME. IN ORDER TO PROTECT YOUR PRIVACY, RESULTS CANNOT BE GIVEN OVER THE PHONE. PLEASE DO NOT CALL FOR EXAM RESULTS.**

Exam Location

| Exam Location | Date | Deadline |
|--|-------------|-------------|
| Midwest City, RSC, Tom Steed Bldg., Hudiburg Dr. (405) 733-7392 | January 16 | December 26 |
| Sapulpa, Central Tech, Seminar Center, 1720 S. Main St. (918) 224-9300 | January 23 | January 2 |
| Midwest City, RSC, Tom Steed Bldg., Hudiburg Dr. (405) 733-7392 | February 6 | January 16 |
| Lawton, Great Plains AVTS, 4500 W. Lee Blvd. (580) 355-6371 | February 20 | January 30 |
| Midwest City, RSC, Tom Steed Bldg., Hudiburg Dr. (405) 733-7392 | March 5 | February 13 |
| Sapulpa, Central Tech, Seminar Center, 1720 S. Main St. (918) 224-9300 | March 12 | February 20 |

Home Study Correspondence Courses

California State University, Sacramento (CSUS) offers correspondence courses for operators. These training programs were prepared for the U. S. EPA by persons working in the field to help others develop the knowledge and skills necessary to do their jobs and to pass certification exams. California manuals are used as reference for Oklahoma operator certification exams. Nine (9) continuing education units (CEUs) are earned from CSUS upon successful completion of most courses. In Oklahoma, one (1) approved CEU is equal to ten (10) approved training hours. The manuals may also be purchased without enrolling in a correspondence course. For ordering information, please call CSUS at (916) 278-6142.

MSU Management Courses

Michigan State University (MSU) offers two management courses: Supervisory Management in the Water/Wastewater Field and Maintenance Management in the Water/Wastewater Field. A certificate from MSU for six (6) CEUs is awarded upon completion of each course. One (1) approved CEU is equal to ten (10) approved training hours. For enrollment information, call MSU at (800) 356-5705.

Starting January 1, 2004

Study guides will be
\$4.00 each.

Order Form for Operator Certification Study Guides

Name _____
Mailing Address _____
City _____ State _____
Zip Code _____
Telephone # _____

After completing this form, please clip out and return it with a check, money order, or purchase order made payable to the Operator Certification Section.

Number of Study Guides:

Water _____ x \$4.00 each = \$ _____
Wastewater _____ x \$4.00 each = \$ _____

TOTAL AMOUNT ENCLOSED \$ _____

Please mail to:
Dept. of Environmental Quality
Financial & Human Resources
PO Box 2036
OKC, OK 73101-2036

PLEASE ALLOW UP TO 3 WEEKS FOR DELIVERY.



WATER, WASTEWATER, and LABORATORY CLASS SCHEDULES

For all Standard Classes, you must register with the **SPONSOR** for the course you want to attend at least two (2) weeks in advance. To take the exam, you must send your application to the DEQ and it must be postmarked no later than three (3) weeks before the exam date.



Beginning (D Level) Day Classes 8AM-5PM

| Location | Subject | Dates | Credit | Sponsor | Phone |
|-----------------|-----------------------|----------------|---------------|-------------------------|--------------|
| Stillwater | Water/Wastewater | December 2-4 | 24 hrs | AETC | 800 516-5227 |
| Stillwater | Water | December 2-4 | 16 hrs | AETC | 800 516-5227 |
| Stillwater | Wastewater | December 3-4 | 16 hrs | AETC | 800 516-5227 |
| Midwest City | Water/Wastewater | December 3-5 | 24 hrs | Rose State College | 405 733-7364 |
| Midwest City | Water | December 8-9 | 16 hrs | Rose State College | 405 733-7364 |
| Broken Bow | Water | December 8-9 | 16 hrs | ORWA | 405 672-8925 |
| Perry | Water | December 9-10 | 16 hrs | ORWA | 405 672-8925 |
| Ponca City | Water/Wastewater | December 10-12 | 24 hrs | Rose State College | 405 733-7364 |
| Midwest City | Wastewater | December 10-11 | 16 hrs | Rose State College | 405 733-7364 |
| Perry | Wastewater | December 10-11 | 16 hrs | ORWA | 405 672-8925 |
| Tulsa | Water/Wastewater | December 16-18 | 24 hrs | AETC | 800 516-5227 |
| Tulsa | Water | December 16-18 | 16 hrs | AETC | 800 516-5227 |
| Tulsa | Wastewater | December 17-18 | 16 hrs | AETC | 800 516-5227 |
| Enid | Water | January 5-6 | 16 hrs | ORWA | 405 672-8925 |
| Stillwater | Water/Wastewater | January 6-8 | 24 hrs | AETC | 800 516-5227 |
| Stillwater | Water | January 6-8 | 16 hrs | AETC | 800 516-5227 |
| Stillwater | Wastewater | January 7-8 | 16 hrs | AETC | 800 516-5227 |
| Midwest City | Water | January 12-13 | 16 hrs | Rose State College | 405 733-7364 |
| Midwest City | Wastewater | January 14-15 | 16 hrs | Rose State College | 405 733-7364 |
| Tulsa | D/ C Water | January 15-16 | 16 hrs | JE Training | 918 596-9854 |
| Cheyenne | Water/ Wastewater | January 20-22 | 24 hrs | ORWA | 405 672-8925 |
| Sapulpa | Water/Wastewater | January 20-22 | 24 hrs | Rose State College | 405 733-7364 |
| Choctaw | Water | January 26-27 | 16 hrs | ORWA | 405 672-8925 |
| Ada | Water/Wastewater | January 27-29 | 24 hrs | East Central University | 580 310-5859 |
| Tulsa | Water/Wastewater | January 27-29 | 24 hrs | AETC | 800 516-5227 |
| Tulsa | Water | January 27-29 | 16 hrs | AETC | 800 516-5227 |
| Tulsa | Wastewater | January 28-29 | 16 hrs | AETC | 800 516-5227 |
| Burns Flat | Water | February 2-3 | 16 hrs | ORWA | 405 672-8925 |
| Midwest City | Water | February 2-4 | 16 hrs | Rose State College | 405 733-7364 |
| Stillwater | Water/Wastewater | February 3-5 | 24 hrs | AETC | 800 516-5227 |
| Stillwater | Water | February 3-5 | 16 hrs | AETC | 800 516-5227 |
| Stillwater | Wastewater | February 4-5 | 16 hrs | AETC | 800 516-5227 |
| Midwest City | Wastewater | February 4-5 | 16 hrs | Rose State College | 405 733-7364 |
| Tulsa | Water/Wastewater | February 24-26 | 24 hrs | AETC | 800 516-5227 |
| Tulsa | Water | February 24-26 | 24 hrs | AETC | 800 516-5227 |
| Tulsa | Wastewater | February 25-26 | 16 hrs | AETC | 800 516-5227 |
| Stillwater | Water/Wastewater | March 2-4 | 24 hrs | AETC | 800 516-5227 |
| Stillwater | Water | March 2-4 | 24 hrs | AETC | 800 516-5227 |
| Stillwater | Wastewater | March 3-4 | 16 hrs | AETC | 800 516-5227 |
| Midwest City | Wastewater | March 3-4 | 16 hrs | Rose State College | 405 733-7364 |
| Wayne | Water | March 15-16 | 16 hrs | ORWA | 405 672-8925 |
| Watts | D/ C Water/Wastewater | March 16-18 | 24 hrs | ORWA | 405 672-8925 |
| Tulsa | Water/Wastewater | March 16-18 | 24 hrs | AETC | 800 516-5227 |
| Tulsa | Water | March 16-18 | 16 hrs | AETC | 800 516-5227 |
| Tulsa | Wastewater | March 17-18 | 16 hrs | AETC | 800 516-5227 |
| Bartlesville | Water | March 29-30 | 16 hrs | ORWA | 405 672-8925 |

Beginning (D Level) Day Classes 8AM-5PM, Continued

| Location | Subject | Dates | Credit | Sponsor | Phone |
|-----------------|------------------|------------------|---------------|--------------------|--------------|
| Midwest City | Water | March 29-30 | 16 hrs | Rose State College | 405 733-7364 |
| Stillwater | Water/Wastewater | March 30-April 1 | 24 hrs | AETC | 800 516-5227 |
| Stillwater | Water | March 30-April 1 | 16 hrs | AETC | 800 516-5227 |
| Stillwater | Wastewater | March 31-April 1 | 16 hrs | AETC | 800 516-5227 |
| Midwest City | Wastewater | March 31-April 1 | 16 hrs | Rose State College | 405 733-7364 |

Intermediate (C Level) Day Classes 8AM-5PM

| Location | Subject | Dates | Credit | Sponsor | Phone |
|-----------------|----------------------|------------------|---------------|--------------------|--------------|
| Tulsa | Wastewater | December 2-4 | 24 hrs | AETC | 800 516-5227 |
| Midwest City | Wastewater | December 3-4 | 16 hrs | Rose State College | 405 733-7364 |
| Stillwater | Water | December 9-11 | 24 hrs | AETC | 800 516-5227 |
| Midwest City | Water | December 10-11 | 16 hrs | Rose State College | 405 733-7364 |
| Ponca City | Wastewater | December 10-11 | 16 hrs | Rose State College | 405 733-7364 |
| Tulsa | Water | January 6-8 | 24 hrs | AETC | 800 516-5227 |
| Midwest City | Water | January 12-13 | 16 hrs | Rose State College | 405 733-7364 |
| Stillwater | Water | January 13-15 | 24 hrs | AETC | 800 516-5227 |
| Midwest City | Wastewater | January 15-16 | 16 hrs | Rose State College | 405 733-7364 |
| Tulsa | D/C Water | January 15-16 | 16 hrs | JE Training | 918 596-9854 |
| Sapulpa | Wastewater | January 20-22 | 24 hrs | Rose State College | 405 733-7364 |
| Tulsa | Wastewater | February 3-5 | 24 hrs | AETC | 800 516-5227 |
| Lawton | Water | February 17-19 | 24 hrs | Rose State College | 405 733-7364 |
| Stillwater | Wastewater | February 24-26 | 24 hrs | AETC | 800 516-5227 |
| Tulsa | Water | March 2-4 | 24 hrs | AETC | 800 516-5227 |
| Sapulpa | Water | March 9-11 | 24 hrs | Rose State College | 405 733-7364 |
| Watts | D/C Water/Wastewater | March 16-18 | 24 hrs | ORWA | 405 672-8925 |
| Tulsa | Wastewater | March 30-April 1 | 24 hrs | AETC | 800 516-5227 |

Advanced (A & B Level) Day Classes 8AM-5PM

| Location | Subject | Dates | Credit | Sponsor | Phone |
|-----------------|----------------|----------------|---------------|--------------------|--------------|
| Okemah | A Water | December 1-4 | 32 hrs | ORWA | 405 672-8925 |
| Midwest City | B/A Water Mgt | December 1-4 | 32 hrs | Rose State College | 405 733-7364 |
| Durant | B Water | December 16-18 | 24 hrs | ORWA | 405 672-8925 |
| Midwest City | B/A Water | January 26-29 | 32 hrs | Rose State College | 405 733-7364 |
| Stillwater | B/A Water | February 9-12 | 32 hrs | AETC | 800 516-5227 |
| Midwest City | B/A Wastewater | February 9-10 | 16 hrs | Rose State College | 405 733-7364 |

Laboratory Day Classes 8AM-5PM

| Location | Subject | Dates | Credit | Sponsor | Phone |
|-----------------|----------------|----------------|---------------|--------------------|--------------|
| Midwest City | C Water | December 1-4 | 32 hrs | Rose State College | 405 733-7364 |
| Chickasha | C Wastewater | December 1-4 | 32 hrs | ORWA | 405 672-8925 |
| Kingfisher | C Water | December 8-11 | 32 hrs | ORWA | 405 672-8925 |
| Tulsa | C Water | December 15-18 | 32 hrs | AETC | 800 516-5227 |
| Midwest City | C Water | January 19-22 | 32 hrs | Rose State College | 405 733-7364 |
| Stillwater | C Wastewater | January 26-29 | 32 hrs | AETC | 800 516-5227 |
| Midwest City | C Wastewater | January 26-29 | 32 hrs | Rose State College | 405 733-7364 |
| Tulsa | C Water | February 9-12 | 32 hrs | AETC | 800 516-5227 |
| Midwest City | B Water | February 23-26 | 32 hrs | Rose State College | 405 733-7364 |
| Midwest City | B Wastewater | February 23-26 | 32 hrs | Rose State College | 405 733-7364 |
| Stillwater | C Water | March 8-11 | 32 hrs | AETC | 800 516-5227 |
| Stillwater | B Water | March 15-18 | 32 hrs | AETC | 800 516-5227 |
| Stillwater | A Water | March 15-19 | 40 hrs | AETC | 800 516-5227 |
| Stillwater | A Wastewater | March 22-26 | 40 hrs | AETC | 800 516-5227 |
| Midwest City | C Water | March 22-25 | 32 hrs | Rose State College | 405 733-7364 |

General Training Classes Various Times

| Location | Subject | Dates | Credit | Sponsor | Phone |
|------------|----------------------|----------------|--------|-----------------|--------------|
| Stillwater | D Water Renewal | December 2 | 4 hrs | AETC | 800 516-5227 |
| Tulsa | C Wastewater Renewal | December 2 | 4 hrs | AETC | 800 516-5227 |
| Chickasha | Board Member | December 2-3 | 6 hrs | ORWA | 405 672-8925 |
| Stillwater | D Wastewater Renewal | December 3 | 4 hrs | AETC | 800 516-5227 |
| Tulsa | C Wastewater Renewal | December 3 | 4 hrs | AETC | 800 516-5227 |
| Piedmont | Security | December 5 | 4 hrs | ORWA | 405 672-8925 |
| Stillwater | C Water Renewal | December 9 | 4 hrs | AETC | 800 516-5227 |
| Durant | Board Member | December 9-10 | 6 hrs | ORWA | 405 672-8925 |
| Stillwater | C Water Renewal | December 10 | 4 hrs | AETC | 800 516-5227 |
| Durant | Security | December 12 | 4 hrs | ORWA | 405 672-8925 |
| Tulsa | D Water Renewal | December 16 | 4 hrs | AETC | 800 516-5227 |
| Tulsa | D Wastewater Renewal | December 17 | 4 hrs | AETC | 800 516-5227 |
| Guthrie | Board Member | December 29-30 | 6 hrs | ORWA | 405 672-8925 |
| Luther | Basic Math/Chemistry | January 7 | 4 hrs | ORWA | 405 672-8925 |
| Muskogee | Board Member | January 12-13 | 6 hrs | ORWA | 405 672-8925 |
| Kingfisher | Security | January 13 | 4 hrs | ORWA | 405 672-8925 |
| Skiatook | Security | January 16 | 4 hrs | ORWA | 405 672-8925 |
| Pryor | Pipe Fusion | February 5 | 4 hrs | ISCO Ind., LLC. | 502 318-6616 |
| Pryor | Pipe Fusion | February 6 | 4 hrs | ISCO Ind., LLC | 502 318-6616 |
| Glenpool | Math | March 12 | 4 hrs | ORWA | 405 672-8925 |

Training Classes 8AM-5PM

| Location | Subject | Dates | Credit | Sponsor | Phone |
|--------------|-------------------------------|-------------|--------|--------------------|--------------|
| Midwest City | Industrial Waste Pretreatment | December 1 | 8 hrs | Rose State College | 405 733-7364 |
| Midwest City | Safety | December 5 | 8 hrs | Rose State College | 405 733-7364 |
| Midwest City | Line Maintenance | December 12 | 8 hrs | Rose State College | 405 733-7364 |
| Midwest City | Troubleshooting | December 15 | 8 hrs | Rose State College | 405 733-7364 |
| Midwest City | Industrial Waste Pretreatment | March 8 | 8 hrs | Rose State College | 405 733-7364 |
| Midwest City | Emergency Preparedness | March 9 | 8 hrs | Rose State College | 405 733-7364 |
| Midwest City | Line Maintenance | March 10 | 8 hrs | Rose State College | 405 733-7364 |
| Midwest City | Wastewater Troubleshooting | March 11 | 8 hrs | Rose State College | 405 733-7364 |
| Midwest City | Safety | March 12 | 8 hrs | Rose State College | 405 733-7364 |

EMPLOYEE HIRE/TERMINATION NOTIFICATION FORM

The following information is needed in order to satisfy the requirement where system administrators and operators must notify our department within 10 days of an employee being hired or terminated.

Employer's Name _____

Employee's Name _____ License Number _____

Water Classification _____ Wastewater Classification _____

Water Lab Classification _____ Wastewater Lab Classification _____

Date Employed _____ Date Terminated _____

This information should be addressed to the Department of Environmental Quality

Attn: Monroe McKissic, Enforcement Coordinator, Operator Certification, PO Box 1677, OKC, OK 73101-1677.



INTERACTIVE TV RENEWAL CLASSES

Water or Wastewater Operators may attend either a Water or a Wastewater four (4) hour renewal class for certification renewal. If an operator has a license in both water and wastewater, one four hour class is all that is necessary. ALL CLASSES ARE HELD ON FRIDAYS FROM 12:00 PM TO 4:00 PM. The training at the Midwest City location is held in the LIBRARY/MEDIA CENTER, RM 129 at Rose State College. If you have any questions, please contact Mark Kurklin at (405) 702-8148.

REMEMBER!!

Pre-registration is required! You must contact the receiving facility distance learning coordinator at the facility you plan to attend, and make a reservation by close of business on Tuesday, before the Friday Training. If you forget to preregister, renewal training may not be available to you.

CLASS DATES

| Wastewater | Water |
|------------|-------------|
| December 5 | December 12 |
| January 9 | January 16 |
| February 6 | February 13 |
| March 5 | March 12 |
| April 2 | April 9 |



ONENET LOCATIONS AND COORDINATORS

| FACILITY | LOCATION | CONTACT | PHONE NUMBER |
|----------------------------|-----------------|----------------------|--------------------------------|
| Autry Technology Center | ENID | Kay Snow | (580) 242-2750 Ext. 126 |
| Cameron University | LAWTON | Tink Glenn | (580) 581-2282 |
| East Central University | ADA (\$25 fee)* | Stanley Nnochirionye | (580) 332-8000 Ext. 622 or 266 |
| Eastern OK State College | WILBURTON | Keith Lewis | (918) 465-2361 Ext. 221 |
| High Plains Institute | WOODWARD | Vonda Phillips | (580) 571-6185 |
| Higher Ed Center | DUNCAN | Susan Camp | (580) 255-7566 |
| Kiamichi Technology Center | POTEAU | Sharon Hosler | (888) 567-6632 |
| McCurtain County Higher Ed | IDABEL | Barbara Echols | (580) 286-9431 |
| Murray State College | TISHOMINGO | Priscilla Washington | (580) 371-2371 Ext. 123 |
| Northeastern OK A&M | MIAMI | Cindy Bigby | (918) 540-6253 |
| Oklahoma State University | TULSA | Larry Cochran | (918) 594-8285 |
| Panhandle State University | GOODWELL | Carrie Haisten | (580) 349-1552 |
| Rose State College | MIDWEST CITY | Mark Kurklin | (405) 702-8148 |
| Seminole Junior College | SEMINOLE | Jack Whisennand | (405) 382-9243 |
| S. E. OK State Univ. | DURANT | Clinton Freeman | (580) 745-2114 |
| Stuart High School | STUART | Terry Beck | (918) 546-2474 |
| S. W. OK State Univ. | WEATHERFORD | Lessley Price | (580) 774-3149 |
| S. W. OK State Univ. | SAYRE | Lessley Price | (580) 774-3149 |
| Tricounty Tech Center | BARTLESVILLE | Veda Sisney | (918) 331-3331 |
| University of Oklahoma | NORMAN | Scott Williams | (405) 325-6012 |
| USAO | CHICKASHA | Alan Todd | (405) 574-1277 |
| Unv. Learning Ctr N. OK | PONCA CITY | Brenda Stacy | (580) 762-2856 |

* The fee for Ada should be paid at the receiving site.

**IF TECHNICAL DIFFICULTIES ARE EXPERIENCED DURING THE RENEWAL TRAINING, PLEASE
CALL (405) 736-0327 or (405) 370-6425.**



707 N. Robinson ♦ Oklahoma City, OK 73101

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DECEMBER 2003

Upcoming LT1ESWTR regulation fortifies turbidity and monitoring requirements **Continued from Page 2**

guidance on turbidity monitoring. Compliance deadline for turbidity requirements is January 14, 2005.

The bottom line

LT1ESWTR promotes filtration systems to improve treatment to remove 99% (2-log) of Cryptosporidium oocysts.

You can learn more about the LT1ESWTR at www.epa.gov/safewater/mdbp/lt1eswtr.html. Or, contact your DEQ District Engineer at (405) 702-8100 for requirements specific to your system.

Submitted by Kevin Menning, Hach Company Regional Manager for Oklahoma. To contact him for information about turbidity monitoring, call toll free 1-800-227-4224 ext. 2133 or email kmenning@hach.com.

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THE MAIN EVENT, DECEMBER 2003 8

UPCOMING TURBIDITY ARTICLES

Look for the first of a series of three articles in the April 2004 Main Event on turbidity. The articles can help operators implement an accurate, low-level turbidity monitoring program they can use to ratchet up filtration effectiveness and reduce the health risks of finished water.



This publication is printed on recycled paper and issued by the Oklahoma State Department of Environmental Quality as authorized by Steven A. Thompson, Executive Director. 8200 copies were produced by the University Printing at a cost of \$2,300.00. Copies have been deposited with the Publications Clearinghouse of the Oklahoma Department of Libraries.