

Details about Your Aeration Basin & Clarifier No One Told You About

Operator Training Course

Thursday, October 13, 2016

8:00AM – 5:00PM | City of Sherman,

Post Oak Wastewater Treatment Plant, 1800 E. FM 1417, Sherman, TX 75090

8 HOURS OF CEU CREDIT FOR WASTEWATER OPERATORS HAVE BEEN APPROVED BY THE TCEQ

Geared for operators and plant personnel, this workshop will focus on lessons learned over the years as well as tricks and techniques that can be used to optimize the operation of aeration and settling basins. Instructors Gary Sober and Mary Evans both have over 30 years experience working in the water and wastewater industry and have extensive experience in operation, optimization, and maintenance of aeration basins and clarifiers. Both Mary and Gary are hold A level wastewater licenses.

FULL AGENDA ON THE FOLLOWING PAGE

REGISTRATION

Name: _____

Company: _____

Op License#: _____

Address: _____

City: _____ State: _____

Zip: _____ Phone: _____

Email: _____

REGISTRANT TYPE & PAYMENT

WEAT member ----- \$85

**Non WEAT member ----- \$135

** Includes one year membership to WEAT

CHECK MC VISA AMEX

CC No.: _____

Expiration Date.: _____

Name on CC: _____

Signature: _____



Send registration form with payment to:
Water Environment Association of Texas
1825 Fort View Road, Suite 108, Austin, TX 78704
Phone: 512.693.0060 | Fax: 512.693.0062

Email: Julie@weat.org



WATER ENVIRONMENT ASSOCIATION OF TEXAS

Preserving & Enhancing the Water Environment of Texas

WEAT | 1825 Fort View Road Suite 108 | Austin, TX 78704 | 512.693.0060 | www.weat.org

WEAT Training Agenda Information Fact Sheet

Workshop Topic: "Details about Your Aeration Basin & Clarifier No One Told You About"
Series Number: Part 1
Credit Hours: 8 hours
Time: 8:00 AM to 5:00 PM
Instructors:
Location: City of Sherman, Post Oak Wastewater Treatment Plant, 1800 E. FM 1417
Sherman, TX 75090

| Time | Item |
|--|---|
| 7:30 AM to 8:00 AM | Registration |
| 8:00 AM to 8:15 AM | Workshop Introduction |
| 8:15 AM to 10:00 AM Gary Sober Gary Sober | <ul style="list-style-type: none">• Aeration Basins Introduction• Flow/aeration patterns• Diffuser types |
| 10:00 AM to 10:15 AM | BREAK |
| 10:15 AM to 12:00 PM Mary Evans Mary Evans Mary Evans Mary Evans Mary Evans Mary Evans Mary Evans Mary Evans | Definition of alkalinity <ul style="list-style-type: none">• Relationship between alkalinity and pH• pH (alkalinity) vs. nitrification rate• Nitrification activities and pH rates• The importance of alkalinity• Determining alkalinity needs for facility operations• Bio-available alkalinity• Hands on alkalinity testing and profiling |
| 12:00 PM to 1:00 PM | CATERED LUNCH |
| 1:00 PM to 2:30 PM Gary Sober Gary Sober Gary Sober Mary Evans | Activated Sludge sampling/process tests <ul style="list-style-type: none">• Settling test: Settleometer• Imhoff Cone: Variations and uses• Sludge judge• Alkalinity/DO profile |
| 2:30 PM to 2:45 PM | BREAK |





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2:45 PM to 4:45 PM

Gary Sober
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Gary Sober
Gary Sober
Gary Sober
Gary Sober
Gary Sober
Gary Sober

Clarifiers and Settling Basins

- Rectangular clarifiers
- Circular clarifiers
- Lessons learned
- Sampling/process tests
- Flow patterns
- Sludge judging blankets
- Dissolved oxygen
- RAS/WAS
- Foam/scum
- MLSS/MLVSS

4:45 PM to 5:00PM

Mary Evans and
Gary Sober

Q&A and Discussion

