

Biological Wastewater Process Control



Training Seminar Overview:

This 2-day (16 hours) course is approved as Training for Wastewater Operators, Engineers, & Laboratory personnel.

This seminar will present the process control methodologies and laboratory techniques necessary to control the activated sludge process or any wastewater treatment system with an emphasis on process monitoring & trouble shooting. These approaches are equally applicable to domestic and industrial facilities. Past participants from industries such as Food and Beverage, Wineries, Chemical, Papermill & petrochemical have been successful in applying these methods to control their processes. Municipalities will greatly benefit from this training course. The course will consist of lecture, microscopic analysis, plant audit, demonstrations of certain laboratory procedures and microscope use.

Course Materials

Each attendee will receive complete class notes on a CD also included is our Wastewater Microscopic / Biological Training CD... valued at \$250.00.

Who should attend?

The course is designed for all wastewater professionals, particularly operations personnel, such as operators, engineers & laboratory personnel.

Registration Form – 2-Day Training Biological Wastewater Process Control Seminar by Tracy Finnegan-Environmental Leverage® Inc.

November 1st & 2nd Tuesday & Wednesday

2022 8am - 4:30pm both days

Seminar held at:

Environmental Leverage Inc.

1454 Louis Bork Drive

Batavia, IL 60510

Name

Position or Title

Organization

Business Address

City, State & Postal Code

Phone

Email

Registration Fee

Full 2 Day Course \$395.00

Includes lunch both days of class.

Method of Payment

Check, Visa, Master Card, Discover or PO#

Please register through and make checks or purchase orders to: Register address only.

Environmental Leverage Inc.

812 Dogwood Dr., Suite A

North Aurora, IL 60542

Email: elfenvironmental@aol.com

Phone: 630-906-9791

Course Outline

Day 1 Schedule

Wastewater Basics Overview
Microbiology Overview
Floc & Filaments Analyses
Microscope Use, Techniques & Stains
Lab Sample Handling & Prep
Hands on Microscopic Observation
Visual Observations & Troubleshooting
Filaments, Zooglea & Foam control
Solids Carryover & Settling Problems

Day 2 Schedule

Process Overview & Process Variations
Process Control Strategies
Equipment Optimization,
Preliminary, Primary, Secondary,
Clarifiers, Digesters and Dewatering
Settleometer, Clarifier Simulation Test
Sludge Judge Profile
Plant Tour (weather & facility permitting)
Land Application & Biosolids Handling
Environmental Issues
Troubleshooting
Case Histories - Plant Examples

Please be sure to bring a 100ml / 3-4 oz.'s, of your MLSS sample from your own facility. Microscopic plant biomass analyses will be taught in class for each sample.

Leave 1-2 inches air space in bottle.

Keep cool & do not freeze. You can overnight ship to address of class, if you cannot carry sample.

Are Wastewater Treatment problems getting to you lately?



Don't miss this opportunity to increase your knowledge of biological process control in your wastewater treatment system. Learn how to troubleshoot and optimize your treatment system.

General Information:

Registration first day is at 7:45 a.m.

2-Day course begins at
8:00 a.m. to 4:30 p.m.

November 1st & 2nd Tuesday &
Wednesday 2022

Lunch will be provided both days

Register by mail, telephone, email or fax
through the information below:

Environmental Leverage® Inc.

812 Dogwood Drive - Suite A
North Aurora, IL 60542

Fax: 630-906-9792

Phone: 630-906-9791

elfenvironmental@aol.com

The Course Instructor:

Tracy Finnegan is an environmental engineer with Environmental Leverage® Inc., Illinois. She was formerly associated with Nalco and Suez, where she worked for more than 12 years in numerous positions related to research, operations, design evaluation, auditing and troubleshooting wastewater systems. She now operates her own Environmental Engineering Company that supplies products, training, lab services, audits and auditing services.

www.EnvironmentalLeverage.com

Tracy has taught biological wastewater process control to operators & engineers for over 30 years and performed audits and troubleshooting for ~5-6000 industrial and municipal treatment plants. Tracy holds a BS degree in Business Chemistry from Northern Illinois University.

She is a co-author in WEFTEC's Book Wastewater Biology: The MicroLife, and has now developed 12 new wastewater Training CD's.

She also created online Wastewater Elearning Training for CEUS

<https://www.wastewaterelearning.com/elearning/index.php>

Course / Seminar Location at:

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Environmental Leverage Inc.
1454 Louis Bork Drive
Batavia, IL 60510

This course is approved by numerous states _____

Other states may have different credit systems.
Contact us for approvals in other states for this class.

For additional information & register contact:
Elfenvironmental@aol.com or (630)-906-9791

2-Day Biological Wastewater Process Control Seminar

November 1st & 2nd Tuesday &
Wednesday 2022 *Register early, class size is limited!*

*Training provided by Tracy Finnegan and
Jennifer Oakes of:*



Hands-On & Interactive Training Course
Class is limited so register early

