

## Biological Wastewater Process Control Seminar by



### Overview

This 2-day (16 hours) course is approved as Training for CEU's - Wastewater Operators, Engineers and 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, Municipalities & petrochemical have been successful in applying these methods to control their processes. 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 workbook and a Biological Wastewater Training CD full of information-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 Seminar  
Biological Wastewater Process Control  
by Tracy Finnegan - Environmental Leverage® Inc.  
October 16th Weds. & Thurs. 17<sup>th</sup>, 2019  
8am - 4:30pm both days

Seminar held at:  
**DUBLIN SAN RAMON SERVICES DISTRICT**  
7399 Johnson Drive  
Pleasanton, CA 94588

\_\_\_\_\_  
Name

\_\_\_\_\_  
Position or Title

\_\_\_\_\_  
Organization

\_\_\_\_\_  
Business Address

\_\_\_\_\_  
City, State & Postal Code

\_\_\_\_\_  
Business 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:**

**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 and Filaments Analyses  
Microscope Use, Techniques & Stains  
Lab Sample Handling & Prep  
Hands on Microscopic Observation  
Visual Observations & Troubleshooting  
Filaments & Foam control  
Solids Carryover & Settling Problems

### Day 2 Schedule

Process Overview & Process Variations  
Process Control Strategies  
Equipment Optimization,  
Preliminary, Primary, Secondary,  
Digesters and Dewatering  
Settleometer Test,  
Plant Tour (weather permitting)  
Land Application & Biosolids Handling  
Environmental Issues  
Review of Troubleshooting  
Case Histories - Plant Examples

## Accreditation

**Continuing Education Units (CEU) will be available to those who attend, if applicable.**

Please issue CEU: Yes No

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/check in is at 7:45 a.m.

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

Oct. 16<sup>th</sup> Wed. & Oct. 17<sup>th</sup> Thurs. 2019

Lunch will be provided both days by  
Dublin San Ramon Service District

Please be sure to bring a 100ml - MLSS  
sample from your own facility  
to analyze in class.

### Registration

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](mailto: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. She now operates her own Environmental Engineering Company that supplies products, training, lab services, audits and auditing services.

[www.EnvironmentalLeverage.com](http://www.EnvironmentalLeverage.com)

Tracy has taught biological wastewater process control to operators & engineers for over 24 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.

### Course / Seminar Location at:

Seminar held at:

DUBLIN SAN RAMON SERVICES DISTRICT  
7399 Johnson Drive  
Pleasanton, CA 94588

This course is approved by California for 1.6 CEU

Other states may have different credit systems.

Contact us for approvals in other states.

Airport Info: SFO-San Francisco & San Jose

For additional information & register contact:  
Tracy Finnegan or Staff at (630)-906-9791  
[elfenvironmental@aol.com](mailto:elfenvironmental@aol.com)

## 2-Day Biological Wastewater Process Control Seminar

Oct. 16<sup>th</sup> Wed. & Oct. 17<sup>th</sup> Thurs. 2019

Register early, class size is limited!

DSRSD

Dublin San Ramon Service District, Calif.

A Training Seminar Sponsored by



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

