Pharmaceutical Case Histories & Capabilities



Environmental Leverage[®] Inc.



TURNING LIABILITIES INTO LEVERAGE



Chemical pharmaceutical plant Midwest







Chemical plant with high foaming and zooglea in clarifier



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After addition of Bioaugmentation MicroSolv 200 and MicroClear M100 micronutrients and adjustments to N and P values.



Chemical Pharmaceutical Plant Iowa











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Chemical plant with high foaming and zooglea in clarifier

After onsite audit and Training, addition of Bioaugmentation MicroSolv 200 and MicroClear M100 micronutrients and adjustments to N and P values.

Pharmaceutical Caribbean





Pharmaceutical plant with high foaming and zooglea in anoxic and aeration basin After addition of Bioaugmentation MicroSolv 200 and MicroClear M100 micronutrients and adjustments to N and P values.







Pharmaceutical plant with high amines and nitrogen in anoxic and aeration basin



Started on a program with the addition of Bioaugmentation MicroSolv 200 and MicroClear M100 micronutrients and adjustments to N and P values.

Use of MicroSolv 600L required to break down high levels of ammonia after toxic shock events.

Amine spikes of 155-185 occur 1-2 times per week. Sent to EQ tank for slow bleed into system.

Recommended addition of a small amount of MicroSolv 200 into EQ tank to pretreat amines and break them down in the EQ prior to the aeration basin and lessen the effect of toxicity





- Onsite Audits & Consulting
- Beneficial Reuse & Biosolids Alternatives
- Training Programs
- MicroClear[®] & MicroSolv[™] Bioaugmentation Products
- Cooling Tower & Wastewater Lab Services
- Computer Based Dosing Wizards
- Wastewater Audits
- Online ELearning Courses





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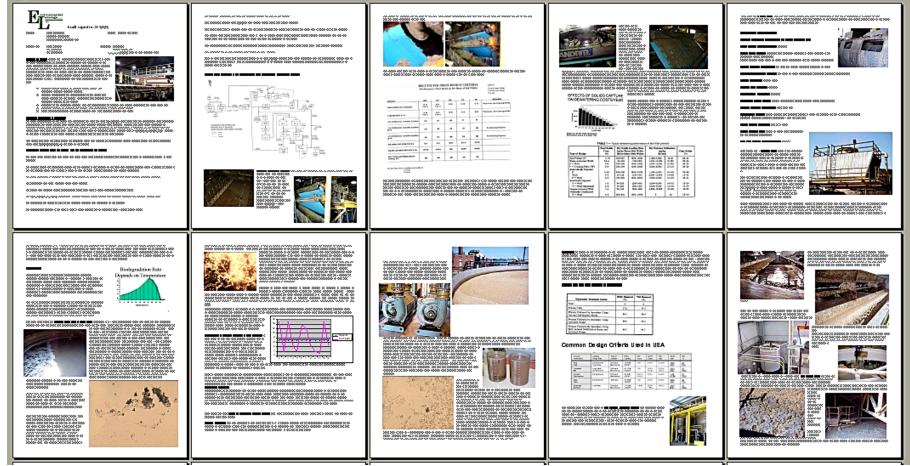


Wastewater Audits

Turning Labilities Into Leverage

Full onsite audit of Treatment plant, or "Virtual Audits"

Evaluation of Equipment, Process Recommendations, System Optimization, Troubleshooting, Testing, Solids Handling, etc.



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Wastewater Training Programs



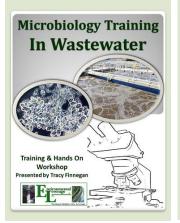
Tracy Finnegan

Wastewater Training Materials 4 - CD Set

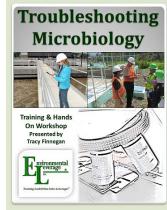
Higher Life Forms CD Filamentous Bacteria CD An Overview of Wastewater Training Wastewater Microbiology Filamentous Identification

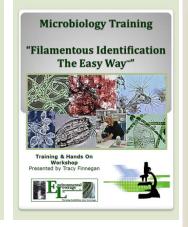
The Easy Way[™] Training CD Powerful Filamentous Training

Custom Training CD or Manuals









Environmental

Microbiology Training

"How To Use

Training & Hands On

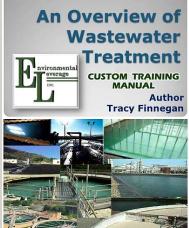
Workshop Presented by Tracy Finnega

The Microscope



Wastewater Training

Visual Troubleshooting



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- Online computer-based training
- Interactive courses with videos, photos, & quizzes
- Convenience and flexibility at individual pace
- No travel expenses or hassles.

WastewaterElearning.com/elearning www.EnvironmentalLeverage.com

Online ELearning: Wastewater Training Courses Overview

Control and Minimization of Total costs of operations is always necessary, but guaranteed reliability and long term sustainability are the keys to transport your wastewater treatment system above and beyond normally targeted measures. These wastewater training programs are based upon years of experience and accumulation of practices on actual performance of thousands of treatment systems. These wastewater training programs have been consistently successful in teaching people how to be proactive and achieve their goals of reducing Total Costs of Operation while also achieving compliance.

You will learn step by step procedures which will enable you or your operators to develop quick, easy to establish system checks to control and monitor your system in order to predict upsets, minimize energy and chemical usage, and avoid costly repairs and unnecessary maintenance procedures.

These courses have been pre-approved for Wastewater CEU's in Alaska, Arkansas, California, Connecticut, Delaware, Georgia, Hawaii, Idaho, Illinois, Indiana, Louisiana, Maine, Massachusetts, Minnesota, Nevada, New Jersey, Kentucky, New York, North Carolina, Rhode Island, South Dakota, Tennessee, Vermont, Washington, Wisconsin and West Virginia. Some states do not require pre-approval. If you need these approved for your state, please contact our office.

These courses are eligible for CEU's, Contact Hours or PDH (Professional development hour) in Alabama, Arizona, Maryland, Virginia, South Carolina, Utah and more to come.

Now approved in Canada for Nova Scotia and Saskatchewan.

Some states give different credits than others. Not all states give credits solely based upon contact hours. Please contact our office if you need to know the approval codes and credit hours for your specific state. *Just Released* *

Secondary Clarifiers, Secondary Biological Wastewater Treatment systems, Nitrification and Denitrification,

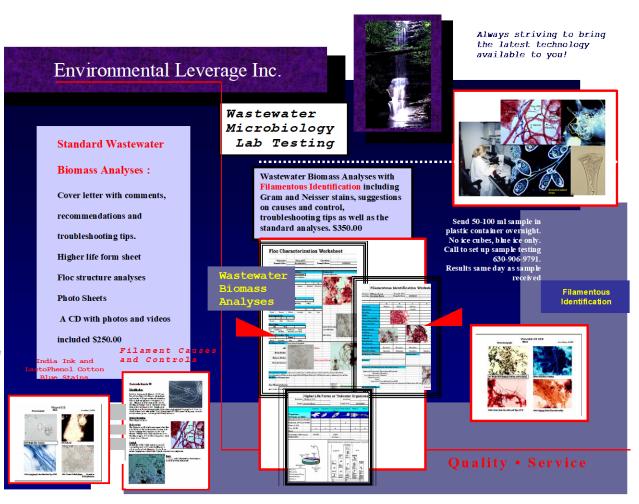
Spanish Wastewater Basics, Filamentous Identification Introductory Course Coming Soon :Filamentous ID the Easy Way



Environmental Leverage Analytical Services



- Wastewater Biomass Analysis
- Filamentous Identification
- Cooling Tower Microbio Analyses





- Troubleshooting
- Filamentous ID.
- Higher Life Forms
- Bug of the Month
- Microscopic Biomass Analyses













TURNING LIABILITIES INTO LEVERAGE

Join Environmental Leverage[®] on a Journey into the Future with our next generation of Water & Wastewater Treatment solutions

The future begins now....

Environmental Leverage[®] Inc. bringing you Tomorrow's Water Today !!!!

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www.WastewaterELearning.com

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