



RIVER, LAKES, PONDS & LAGOONS

BOD, TSS AND ALGAE CONTROL

Case Histories



Environmental Leverage[®] Inc.

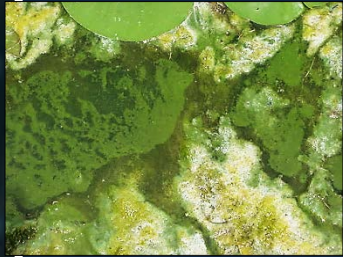
5 MILE RIVER REMEDIATION / SHANGHAI, CHINA



A program using a 2 lb.
MicroBlock™ and MicroClear® 101
was used every ½ Mile



RECREATIONAL LAKE MIDWEST



High areas of traffic like around this Marina and Gas pumps needed extra bacteria to break down oils from boats



PAPERMILL LAGOON



Papermill Lagoon with High levels of Duckweed and Foaming



Bioaugmentation program with MicroSolv™ 118, MicroClear® M100 and Nutrient optimization



FISH CLEANING STATION / RECREATIONAL LAKE



Brown Algae mixed in with green, blue/green algae.

Algae can die off as it sits in stagnant areas. Mold and fungi can grow and can build up on or around algae. These mold spores can sometimes cause false reading on fecal testing.

- MicroBlock™ used to break down organics and fish oils causing algae and duckweed



GUATEMALA / LARGE LAKE AND RIVER SYSTEM



High levels of
pollution exist where
no central sanitary
systems occur.
Localized treatment
necessary



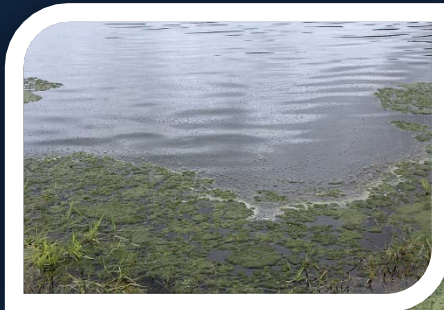
GUATEMALA CYANIDE IN LAKE NEAR MINING FACILITY



Cyanide can easily be broken down
for Mining Lagoons remediation.
With Bioaugmentation



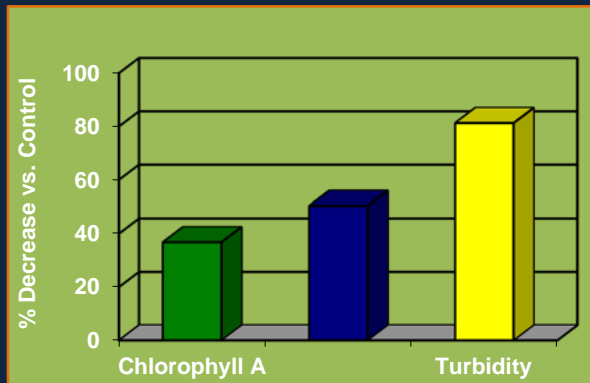
GUNPOWDER PLANT / WW TREATMENT LAGOON



Bioaugmentation program used upstream at the Wastewater Treatment Plant & MicroClear® 101 used at final polishing lagoons



APARTMENT COMPLEX



Bioaugmentation can easily reduce the Carbon, Nitrogen and Phosphorus present that causes Algae, Duckweed and Unsightly Growth

COMMUNITY POND



- Top Images Before
- Bottom Images After Bioaugmentation with MicroClear® 101

HOMEOWNERS POND - CANADA



This customer has used MicroClear® 101 for over ten years now for his private pond to eliminate algae and scum.

ALGAE IN PONDS



ALGAE ON SBR- MEATPACKING PLANT

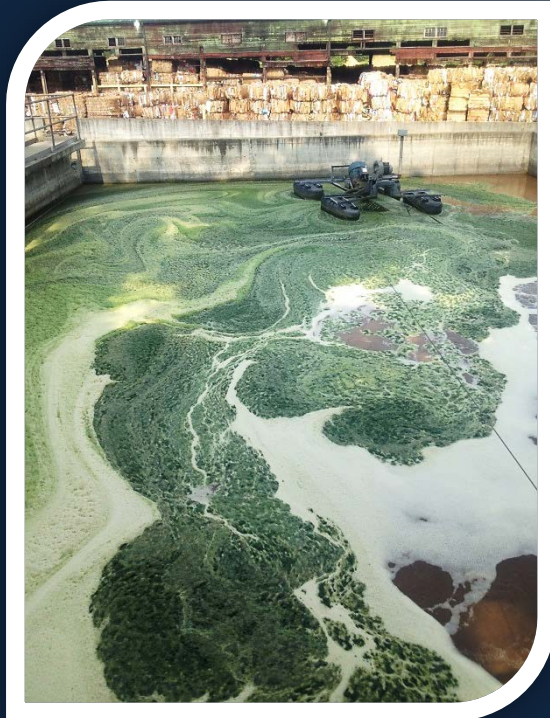
TWO IMAGES BELOW / BEFORE BIOAUGMENTATION



Above image After a
Total program using
MicroBlocks™ in lift station
for Grease (FOG control) &
a Dual program with
MicroClear® 205 and M100 for
the SBRs



PAPERMILL



This plant had issues with
BOD, TSS & Algae.

This plant started using our
dual program
Bioagumentation in 2006,
and has been maintaining
excellent results since.



PURPLE SULFUR BACTERIA



Purple color in lagoons is a big issue and is usually not algae. Purple sulfur bacteria can easily grow and thrive in ponds, lakes, any body of water where there are high levels of septicity. Purple sulfur bacteria indicate a condition that should be addressed quickly as H_2S gasses may easily build up and cause safety issues.

Dual program not only reduced the Odors, but also reduced the TSS, BOD & harmful purple sulfur bacteria



BIOAUGMENTATION PROGRAMS

That build our Global
business



WE ARE DEDICATED TO MAINTAINING A NATURAL,
SAFE AND GREEN ENVIRONMENT...



so that our children can enjoy the same resources
and beauty that we have for generations.

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Environmental Leverage Inc.

The Next Generation of Solutions

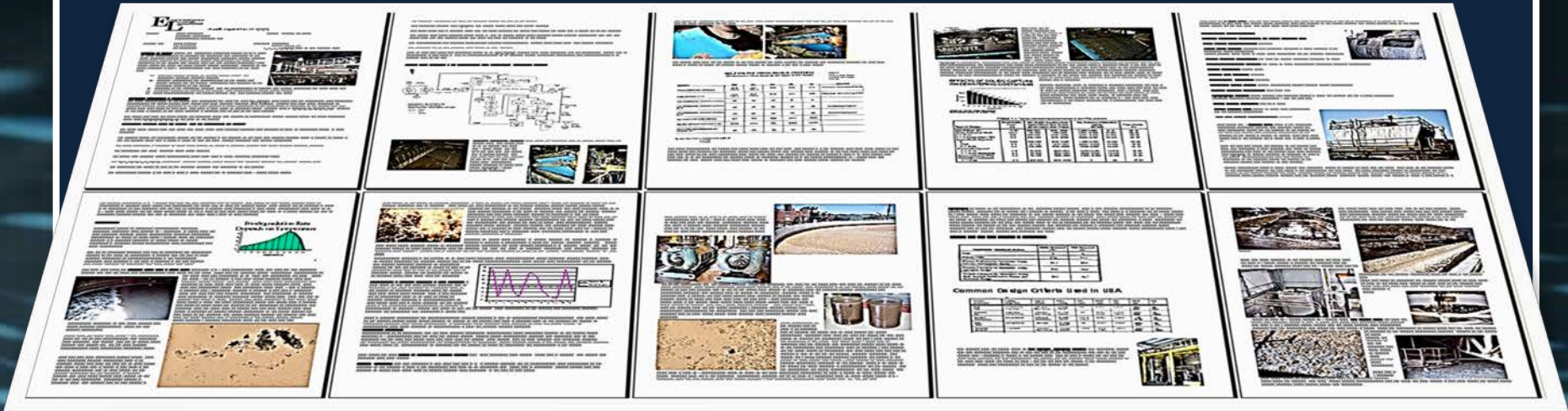
Complete Line of Bioaugmentation Products, Laboratory, Microscopic Biomass Analysis, Wastewater Training, Consulting & Total Systems Approach

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



Wastewater Audits

- Full Onsite Audit of Treatment Plant Systems or “Virtual Audits”
- Evaluation of Equipment, Process Recommendations, System Optimization, Troubleshooting, Testing, Solids Handling, etc.



Wastewater Training Programs



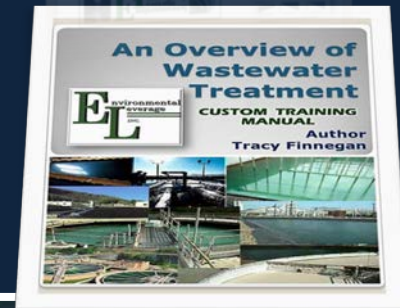
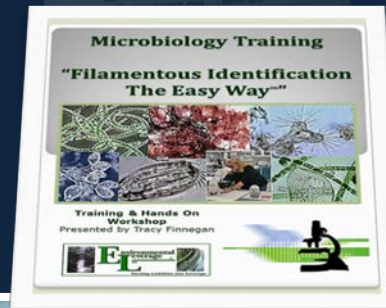
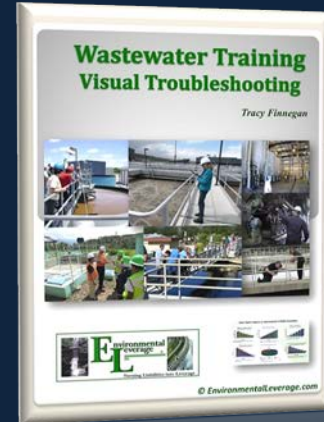
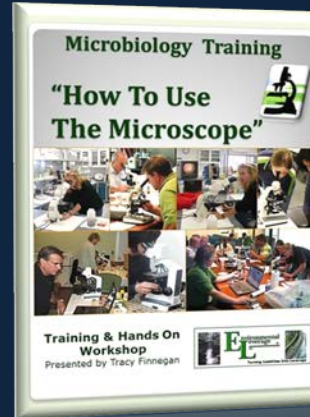
Wastewater Training Materials 4 – CD Set

- Higher Life Forms CD
- Filamentous Bacteria CD
- Overview of Wastewater Training & Systems
- Wastewater Microbiology

“Filamentous Identification
The Easy Way™” Training CD
Powerful Filamentous Training

Custom Training CD or Manuals

© EnvironmentalLeverage.com



Wastewater ELearning Training Courses

Online ELearning: Wastewater Training Courses Overview

The screenshot shows the homepage of the Wastewater ELearning website. At the top, there's a banner with the text 'WELCOME TO WASTEWATER-ELEARNING' and the Environmental Everage logo. Below the banner, there are several sections: a 'MAIN MENU' with links like 'Site news', 'Frequently Asked Questions', and 'E-learning Course Descriptions'; a 'NEWS/TICLES' section with 'Home', 'Site news', 'Frequently Asked Questions', 'E-learning Course Descriptions', and 'Training Course Summary Courses'; an 'ACTIVITIES' section with 'Forum', 'Resources', and 'SCORM packages'; a 'LOG IN' section with fields for 'Username / email' and 'Password', and a 'Remember username' checkbox; a 'TROUBLE SHOOTING NEWSLETTER LIBRARY' section; and a 'Courses' section with a search bar and a 'Go' button. A central text box titled 'Our First Set of Classes started in April 2016' provides information about the courses and their benefits. A calendar for July 2017 is also visible on the right side of the interface.

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

www.WastewaterElearning/Elearning.com

Control & Minimization of Total costs of operations is always necessary, but guaranteed reliability & long term sustainability are the keys to transport your wastewater treatment system above & 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 & 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, Indiana, Louisiana, Maine, Massachusetts, Minnesota, Nevada, New Jersey, New York, North Carolina, 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 and more to come. Now approved in Canada for Nova Scotia and Saskatchewan.

Environmental Leverage's Analytical Services

Always striving to bring the latest technology available to you!

- Wastewater Biomass Analysis

- Filamentous Identification

- Cooling Tower Microbio Analyses

Environmental Leverage Inc.

Wastewater Microbiology Lab Testing

Standard Wastewater

Biomass Analyses :

Cover letter with comments, recommendations and troubleshooting tips.

Higher life form sheet

Floc structure analyses

Photo Sheets

A CD with photos and videos included \$250.00

India Ink and Lactophenol Cotton Blue Stains

Filamentous Causes and Controls

Wastewater Biomass Analyses with Filamentous Identification including Gram and Neisser stains, suggestions on causes and control, troubleshooting tips as well as the standard analyses. \$350.00

Wastewater Biomass Analyses

Floc Characterization Worksheet

Filamentous Identification Worksheet

Higher Life Form or "Higher Organisms"

Send 50-100 ml sample in plastic container overnight. No ice cubes, blue ice only. Call to set up sample testing 630-906-9791. Results same day as sample received

Filamentous Identification

Quality • Service

The screenshot shows the website's home page with a green and white color scheme. At the top, it says "Welcome" and features the "Environmental Leverage" logo. A navigation menu on the left includes links for Products, Services, About Us, Contact Us, Site Map, and Training. The main content area has a "Quick Links" section with a "Environmental Expertise" banner. Below this, there are sections for "Quality Environmental Products and Services!" and "What's New!".

- Training & Treatment Systems Audits
- Newsletters (digital monthly troubleshooting)
- Troubleshooting
- Filamentous ID.
- Higher Life Forms
- Bug of the Month
- Microscopic Biomass Analyses

A banner featuring three images: a wastewater treatment channel, a microscopic view of a cell, and a natural water body. Below the images, the text reads "TURNING LIABILITIES INTO LEVERAGE".

The screenshot shows a page titled "Mystery Bug of the Month - From 2004 - 2017". It features a grid of microscopic images of various organisms. A "What's New!" sidebar on the right contains text about "Higher Life Forms videos" and "Training Materials". Below the grid, there is a section for "Free swimming ciliates" with a caption: "These photomicrographs were taken from a wastewater sample. Most of the objectives used were 100x, 400x and 1000x. You can see this free swimmer open what looks like a flag to capture food. Notice how when you go from low power to a higher magnification, more details jump out. Do not be afraid to go up to a higher magnification, even 1000x!"



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



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The future begins now. . . .

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



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