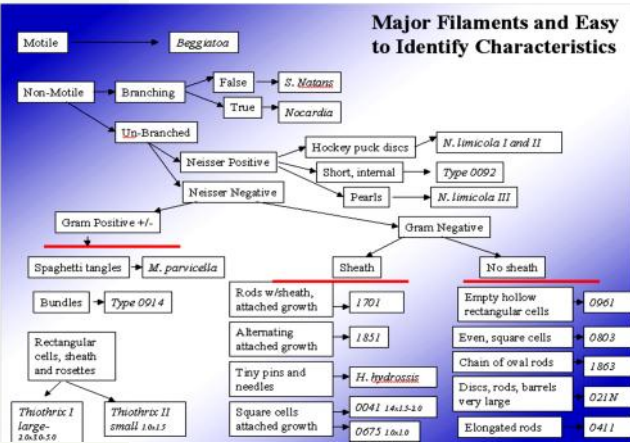


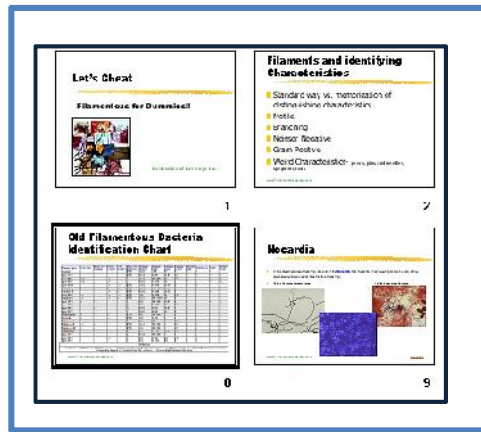
# How to Simplify

# Filamentous Identification

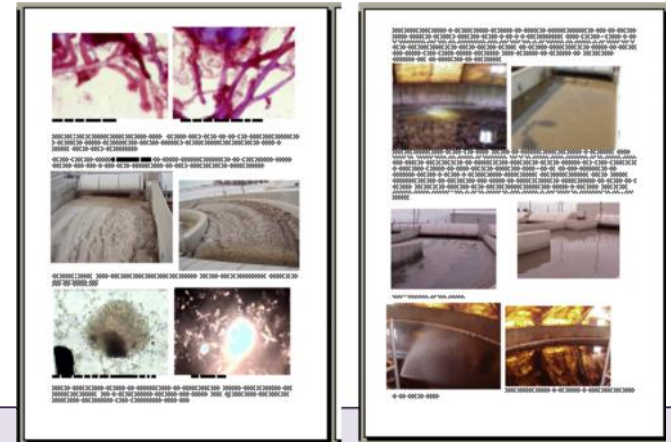


Learn the Power of Microbiology!

[www.EnvironmentalLeverage.com](http://www.EnvironmentalLeverage.com)  
For Your Wastewater Issues



© **Filamentous Identification**  
**"The Easy Way™"**  
**Training CD**  
**\$395.00**



**Environmental Leverage Inc.**  
Contact Us at [Elfenvironmental@aol.com](mailto:Elfenvironmental@aol.com)

Stop Foaming problems  
Eliminate Bulking  
Solids handling costs  
Filament characteristics  
Troubleshooting  
Case Histories  
Causes and Controls  
All the Easy way!!!

# Filaments

We can show you the power.





**Environmental Leverage**  
INC.



Turning Liabilities into Leverage

EnvironmentalLeverage.com

1454 Louis Bork Drive

Batavia, IL 60510

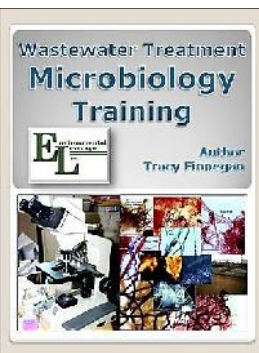
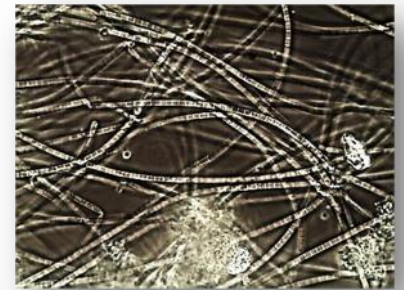
## All New Waste Water Training Materials



**Higher Life forms CD** - This CD has over 150 high resolution videos of the microorganisms observed under the microscope. It is one thing to read about it in a book, another to see examples and videos of actual organisms using different magnifications. 100x, 200x, 400x and 1000x illuminations are used. Bright field, dark, phase contrast, and inverted field give you a look at these organisms from all sizes and lighting. **1-CD \$75.95**

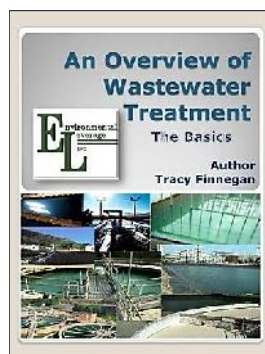
**Filamentous Bacteria Identification CD** - This CD has over 1500 photos of floc structures, filaments and foaming observed under the microscope. Plant pictures with these conditions are also included. Again reading about it in a textbook is not the same as seeing examples and videos of actual filaments at different magnifications. 100x, 400x and 1000x illuminations are used. Bright field, dark, phase contrast, and inverted images give you a look at these organisms from all sizes and lighting. Gram, Neisser and India Ink stains as well as some Lactophenol Cotton Blue stains may be used on some photos. Tip sheet on how to take the best photos of your own sample is also included. Staining procedures, Filamentous Identification information, & individual filament sheets with information on the filaments, control and troubleshooting are also included in this valuable CD.

**1-CD \$75.95**



**Wastewater Microbiology CD** - for beginning and intermediate engineers, operators or consultants. What is going on under the microscope, as well as how to take great photomicrographs is described. What are the reasons to take photomicrographs, what stains to use, what you are looking at, how to interpret what you see.

These are some of the topics covered in this in depth training course: Hundreds of photos and information on filaments & higher life forms are included. How they correlate to what is happening in the biological system is detailed. . . . It is amazing what one or two drops of water can tell you by looking under the microscope. Learn how to use this valuable information to run the plant more efficiently, be proactive and be effective! **1-CD \$125.95**



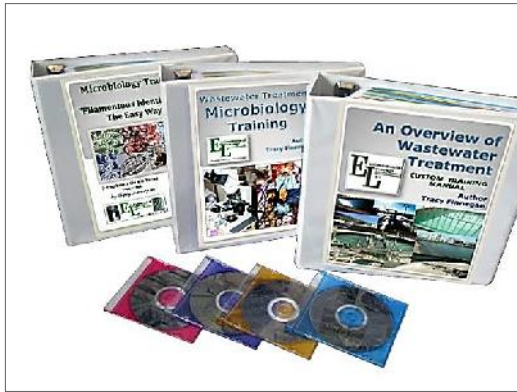
**Wastewater Training CD** – Invaluable Training materials on Secondary Biological Wastewater Treatment. Basic process operations, troubleshooting, microbiological basics, training, auditing, tips and hands on testing. This includes operator training that can help you study for your operator's license. A must for anyone dealing with wastewater

**1-CD \$125.95**

### The Best Deal

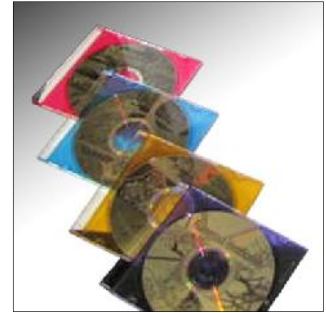
All 4 CD's above  
& all the Information.  
**Full Set of 4 only \$275.00**





## Custom Training CD or Manuals

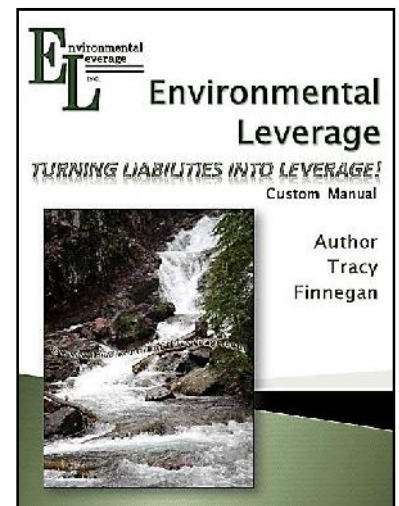
Not everyone is at the same level of training. Many people want beginning concepts and basics. Some need technical information or troubleshooting. Some want equipment, technology or process information.



We would like to create a custom manual for your specific needs. Printed manual comes with digital files on CD. A choice of 12-15 chapters is included. Levels need to be indicated to order as **Beginning, Intermediate or Advanced**.  
**Manuals \$275.00 Training CD's \$175.00**

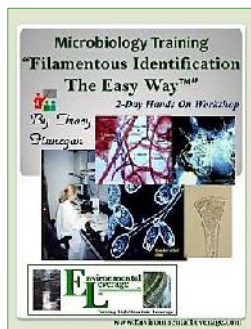
### Choices include some of the topics below:

- |   |                                     |
|---|-------------------------------------|
| OSHA                                    | Technology                          |
| Wastewater Microbiology 101             | Processes                           |
| Basic Wastewater Treatment concepts     | Nitrification - Denitrification     |
| Types of Wastewater Treatment processes | Filamentous Bacteria                |
| Preliminary Treatment                   | Microscopic Analyses                |
| Primary Wastewater                      | Tools & Tricks for Monitor/Control  |
| Secondary Wastewater                    | Lift stations & Collections Systems |
| Tertiary Treatment                      | Jet Trucks                          |
| Sludge Dewatering                       | Landfills                           |
| Solids Handling and Disposal            | Beneficial Reuse                    |
| Anaerobic Treatment                     | Permits & Operator license          |
| Aerobic Treatment                       | Toxicity testing                    |
| Anoxic Treatment                        | Odor Control                        |
| Sulfur Chemistry                        | Raw Water Clarification             |
| Biological Nutrient Removal             | Bioengineering                      |
| Lagoons and Ponds                       | Oily Water Separation               |
| Chemicals                               | Heavy Metal Separation              |
| Laboratory Testing                      | Antifoams                           |
| Wastewater Math                         | Flocculants & Coagulants            |
| Troubleshooting                         |                                     |



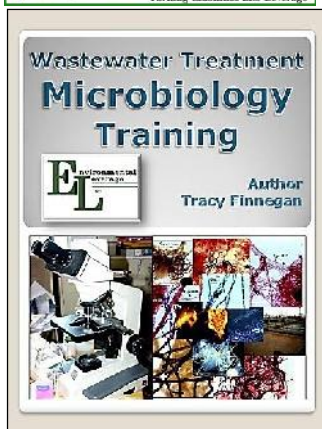
## Advanced Training CD – © “Filamentous Identification The Easy Way”™ - \$395.00

Full brochure for this CD on last page



This amazing disc makes Identification of Filaments Easy & Simple. While combining WW treatment plant processes, troubleshooting procedures & correct process changes.

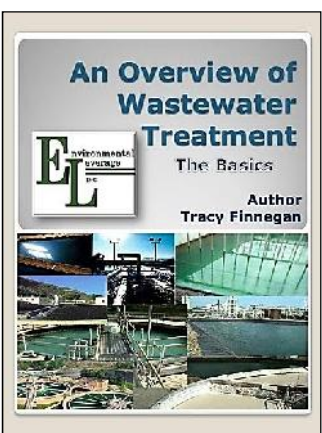
**Filamentous Identification: New & Easy Methods.**  
**Using the Microscope - Tips & Procedures.**  
**Foaming problems, Bulking vs. Bridging, Filament & Floc characteristics with Troubleshooting & Process Optimization. This CD will give you the power to Improve your wastewater treatment system.**



## Wastewater Microbiology Manual

This Manual is for beginning & intermediate engineers, operators or consultants. What is going on under the microscope, how to take great photomicrographs. What are the reasons to take photomicrographs, what stains to use, what you are looking at, how to interpret what you see. . . . These are some of the topics covered in this training course.

Pictures and information on filaments, higher life forms, how they correlate to what is happening in the biological system. . . .It is amazing what one or two drops of water can tell you by looking under the microscope. Learn how to use this information to run the plant more efficiently, be proactive and be for effective! CD included also **\$275.00**



## Wastewater Training

This Manual contains training materials on Secondary Biological Wastewater Treatment. Troubleshooting, Microbiological Basics, Training, Auditing, Tips and Hands-on Testing. This Manual also covers general information, process information, equipment, technology, microbiology, and chemistry. A must to have for anyone working with wastewater! CD included also **\$275.00**



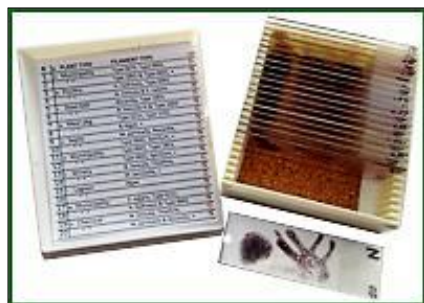
## New OSHA & Safety Manuals

- Blood borne Pathogens
- Personal Protective Equipment
- Confined Space
- Hydrogen Sulfide Safety
- Trenching Safety
- Walking and Working Surfaces & more.. **\$275.00**

*Hands on Training or Customer Seminars also Available...*

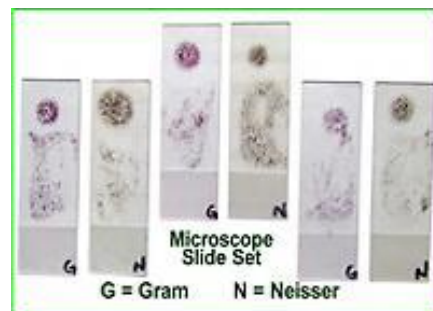
*[Elfenvironmental@aol.com](mailto:Elfenvironmental@aol.com)*

**MICROSCOPIC BACTERIAL SLIDE SET-** These are slide samples from wastewater plants in many environments. You may find a sample from many Municipalities, food plants or Industrial settings & occasionally a pond or lagoon. All this in one set of slides. Custom made allowing you to learn identification of filaments. Learn the



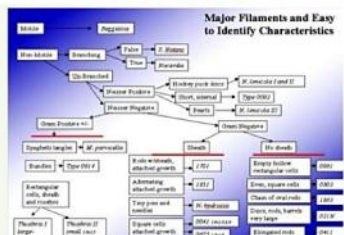
filaments first hand with these samples.  
**20 slides - 10 sets.**  
**Each set is a sample from different WWTP's & filaments.**  
**Gram and Neisser set of each sample.**

**\$99.95 ... plus S&H**





# How to Cheat at Filamentous Identification



Learn the  
Power of  
Microbiology!

[www.EnvironmentalLeverage.com](http://www.EnvironmentalLeverage.com)  
For Your Wastewater Issues



© Filamentous  
Identification  
"The Easy Way™"  
Training CD  
\$395.00



Environmental Leverage Inc.  
Contact Us at [Elfenvironmental@aol.com](mailto:Elfenvironmental@aol.com)

- Stop Foaming problems
- Eliminate Bulking
- Solids handling costs
- Filament characteristics
- Troubleshooting
- Case Histories
- Causes and Controls
- All the Easy way!!

## Filaments

We can show you the power.



### © Filamentous Identification "The Easy Way™"

This amazing CD makes  
Identification Easy and Simple.  
While combining wastewater  
treatment plant processes and  
troubleshooting procedures.

#### Our version of "Filamentous Identification for Dummies"

- Learn the clues that the  
Microbiology give
- Power to enable you to optimize  
your system.
- We specialize in this.
- We know the microbiology  
inside out, and want to show &  
teach you what to do with it.

Log onto our site from anywhere,  
anytime to find out more information.

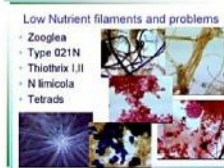
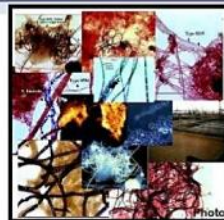
## Advanced Wastewater Microbiology Training

Learn The Filaments

Below are just  
some of the  
Areas of  
Training on this  
Multimedia CD.  
Only \$395.00



- Causes and Controls
- 1000's of Photos
- Troubleshooting
- Training
- Detailed Descriptions
- Case Histories
- MultiMedia
- How to cheat & do/ID  
it the easy way



- Low Nutrient filaments and problems
- Zoogaea
  - Type 021N
  - Thiothrix f.lj
  - N limicola
  - Tetrads

**Table of Contents:**  
What are filaments?  
Filamentous Identification-  
methods used  
Using the microscope- tips and  
procedures  
Filament and Floc  
Characteristics  
Bulking vs. Bridging  
Foaming problems  
Cheating and using individual  
characteristics to skip to the  
chase!  
Plant Troubleshooting

<http://www.EnvironmentalLeverage.com>  
Phone: 630-906-9791