

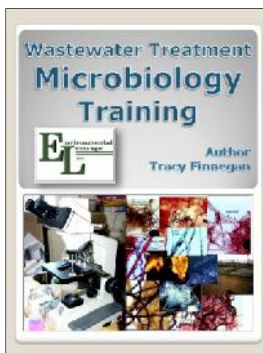
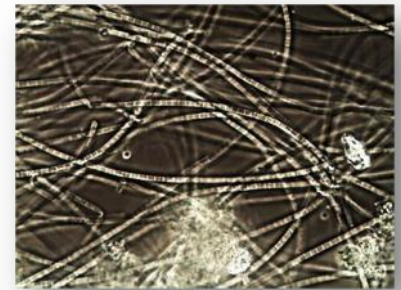
## All New 2013 Waste Water Training Materials



**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**

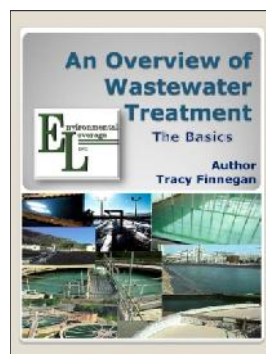
**Filamentous Bacteria Identification CD** - This CD has over 1500 photos of floc structures, filaments and foaming observed under the microscope. Plant pictures with these conditions are also included. Again reading about it in a textbook is not the same as seeing examples and videos of actual filaments 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**

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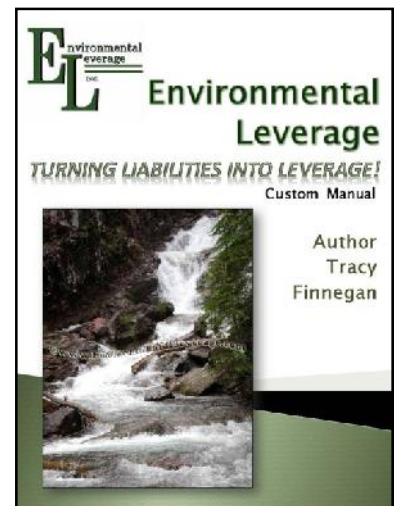
Not everyone is at the same level of training. Many people want beginning concepts and basics. Some need technical information or troubleshooting. Some want equipment, technology or process information.



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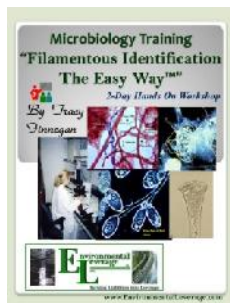
### Choices include some of the topics below:

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



## Advanced Training CD – © Filamentous ID The Easy Way™ - \$375.00

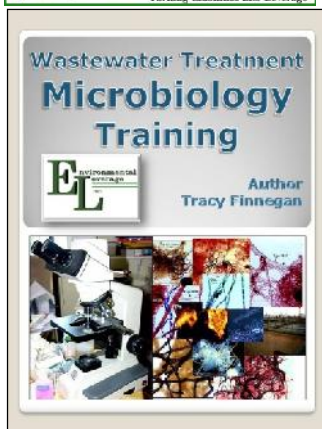
Full brochure for this CD on last page



This amazing CD makes Identification of filaments Easy & Simple. While combining plant processes and troubleshooting procedures.

**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 treatment system.**

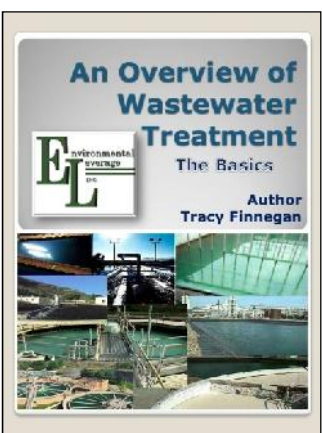




## Wastewater Microbiology Manual

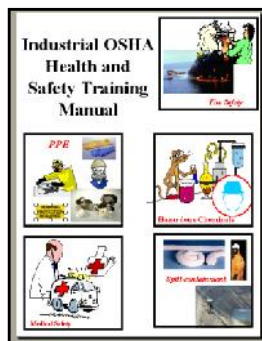
This Manual is for beginning & intermediate engineers, operators or consultants. What is going on under the microscope, how to take great photomicrographs. What are the reasons to take photomicrographs, what stains to use, what you are looking at, how to interpret what you see. . . . These are some of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



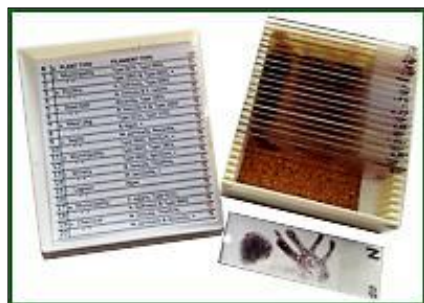
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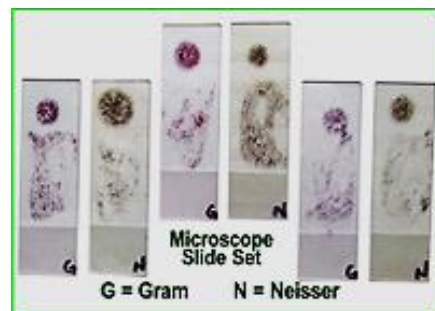
filaments first hand with these samples.

**20 slides - 10 sets.**

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different WWTP's & filaments.**

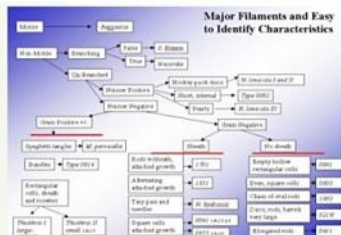
**Gram and Neisser set of each sample.**

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





# How to Cheat at Filamentous Identification



Learn the Power of Microbiology!

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



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

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