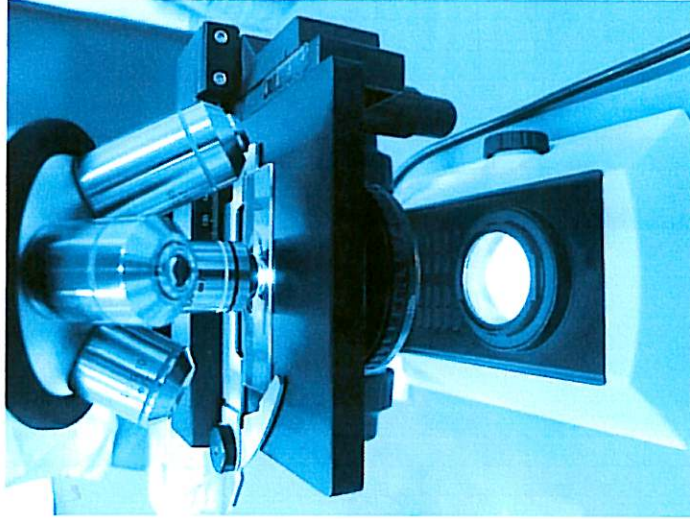


## New for 2011

### WASTEWATER MICROBIOLOGY:



We are proud to announce that in 2011, Toni Glymph selected OTCO to be the publisher and distributor of her new training manual. Operators, laboratory technicians, microbiologists, students, and others, will be able to purchase this manual directly from OTCO.

#### WHAT IS OTCO?

Since 1964, OTCO has been an independent 501 (c)(3) non-profit environmental training center. OTCO is self funded from the proceeds of OTCO sponsored training events.

#### THE MISSION

The primary focus of the Operator Training Committee of Ohio, Inc. is to design, develop, and deliver various types of training programs for individuals in the water and wastewater occupation, business, industry, and government.

#### THE PURPOSE

The purpose or purposes for which said corporation is formed are training of water & wastewater works operators; collecting and disseminating information on water and wastewater works operation; and doing any and all things necessary or incident thereto.



### A PROCESS CONTROL LABORATORY MANUAL FOR OPERATORS

A new manual for 2011 by  
Toni Glymph, Microbiologist

# WASTEWATER MICROBIOLOGY: A PROCESS CONTROL LABORATORY MANUAL FOR OPERATORS



I have visited numerous wastewater treatment facilities over the past 30+ years. A few range in size large enough to handle billions of gallons of water while others are designed to treat only a few thousand gallons per day. Similarly, the wastewater laboratories located at these facilities range from having the ability to handle sophisticated molecular analyses to only being able to do a simple pH with a color coded dip strip if any analyses are done at all. While some facilities have designated and trained laboratory staff, many have only one or two wastewater operators serving as scientist, engineer, pollution control officer, maintenance, landscaper, mentor, volunteer fire-fighter, street and sanitation crew and the list goes on.

Although I am writing this book to emphasize the importance of developing and maintaining a process control program which includes routine laboratory and microbiological analyses, I also recognize that it may not be practical for some. Keeping this in mind, my goal is to "keep it simple". In an effort to keep it simple, I have also included a DVD of live video clips along with color images of many of the microorganisms and procedures mentioned in this book to assist you as you develop your microbiological skills.

## PREFACE

Conducting simple analyses, routinely and consistently is key to understanding the microbiological workings of the wastewater treatment plant. In other words doing the same thing (no matter how simple or how complicated), the same way on a regular basis, can be a valuable tool for the most sophisticated treatment system to the most simple.

It is my goal that this book can be used as a practical guide and reference to assist you in developing simple procedures for incorporating microbiological observations into your everyday process control program.

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