register on-line at www.indigowatergroup.com Mail payment by check or pay on-line by credit card

To Register: Call 303.489.9226, mail in the enclosed registration form, FAX to 303.484.3304,

About the Trainer

Toni Glymph is the
Senior Environmental
Microbiologist for the
Metro Reclamation
District of Greater
Chicago. She has more
than 33 years of



experience teaching and researching wastewater microbiology and has written several books for operators. Toni teaches activated sludge microscopy, microscope techniques, and proces control courses throughout the United States. Toni is a former wastewater operator from the Detroit Wastewater Treatment Plant and has won many professional awards.



Indigo Water Group

Indigo Water Group is a small, woman-owned business in Littleton, Colorado that specializes in water and wastewater treatment. We offer a wide range of services from utility plans to specialized on-site training to assistance with laboratory and water/wastewater operations to collection system and process modeling.

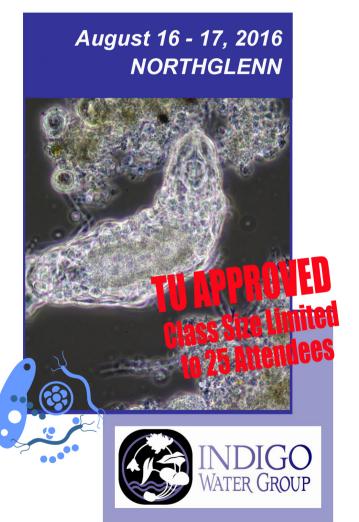
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Indigo Water Group 626 West Davies Way Littleton, Colorado 80120

Wastewater Microbiology & Process Control



Phone 303.489.9226 eFax 303.484.3304 sidney@indigowatergroup.com

WASTEWATER MICROBIOLOGY & PROCESS CONTROL

New for 2015! We have the pleasure of hosting Toni Glymph, renowned activated sludge microbiologist, for a two-day, hands-on microscopy course. Please visit our website at http://www.indigowatergroup.com/register.htm for more information or call 303-489-9226.

Classes are limited to 25 attendees each.

TRAINING UNITS					
	W	WW	I	С	D
Total		1.50	1.50		

LOCATIONS

NORTHGLENN

City of Northglenn **August 16 – 17, 2016** Maintenance and Operations

12301 Claude Court Northglenn, CO 80241

WHO SHOULD ATTEND?

This course is geared toward wastewater operators actively engaged in activated sludge process control. Learn how to properly set up your microscope, prepare slides and stains, count protozoans and metazoans, and interpret results. Day 2 focusses on filaments and their identification and control. There is tons of hands on time in this two day course!

Bring a microscope to use and share for a discount on course registration. As an added bonus, you'll learn exactly how to use and maintain your microscope.

COURSE AGENDA

Day 1

Introduction to Microscopy

- The Microscope
- Slide Preparation
- Sampling

Wastewater Process Overview

- The Role of Bacteria
- Bacteria as Indicators of Treatment System **Conditions**
- Identification of Protozoans
- Protozoans as Indicators
- Protozoan Counts at Microscope
- Identification of Metazoa
- Role of Metazoa

Process Control

- Dispersed Bacteria
- **Nutrient Deficiency**
- Slime Bulking
- **Toxicity**
- Case Studies and Review

Day 2

Introduction to Filamentous Bacteria

- Filament Characteristics
- Staining and Identification
- Causes and Controls
- Case Studies
- Developing a Laboratory Program

Review

Attendees are encouraged to bring samples of activated sludge mixed liquor from their own treatment facilities for hands-on exercises.

HOW TO REGISTER

Registration may be done by mailing in the attached form, faxing, by telephone, or through our website at www.indigowatergroup.com We accept major credit cards through our website or checks by mail.

Registration fee is \$495 per person. A light breakfast, lunch, and afternoon snack break, are included. Registration and coffee from 8:00 to 8:30 am. Seminars starts at 8:30 am and run until 5:15 or 5:30 pm for 0.70 training units approved by the State of Colorado. The seminar schedule includes 45 minutes for lunch and two 15 minutes breaks.

□ \$495 per attendee for Wastewater Microbiology and Process Control
Attendee 1:
Attendee 2:
Attendee 3:
Attendee 4:
Company:
Address:
City:
State:
Zip:
Telephone:
E-mail:

** An e-mail address is necessary for invoicing and to send a courtesy reminder to attendees a day or two prior to the course.

TO REGISTER: Call 303.489.9226, mail in the enclosed registration form, fax form to 303.484.3304 or register on-line at www.indigowatergroup.com Mail payment by check or pay on-line by credit card.