

Course Objective: This one of a kind workshop was written to help ww operators obtain better process control through microscopic examination of mixed liquors and other waste streams. Let's start with the basics...microscope features and benefits, define the microscope selection process, compare and contrast, better features usually translates to better results. We will explore cost factors, sampling, slide preparation, maintenance, staining techniques and actual sample examination.

Finally, organism class identification and how does the presence, absence, mobility, number of various classes of organisms translate to ww process control. Through superb computer slides and graphics, visual demos, hands-on, plus a lively interactive verbal presentation, even the most advanced operator will find this program skill enhancing.

LIMITED ATTENDANCE

- 25 -

Please pre-register as soon as possible

Register by fax or mail only to:

**NEW YORK RURAL WATER
ASSOCIATION**

P.O. Box 487

Claverack, NY 12513

Fax: (518) 828-0582

Phone: (518) 828-3155

for more information



**WASTEWATER/WATER
TRAINING SESSION**

**SIMPLE
MICROSCOPE
APPLICATIONS**

Date: April 20, 2017

Location: Orange Co. Fire Training Ctr.
9 Training Center Lane
New Hampton, NY 10958
For directions call: (845) 374-1900

FOR: Orange, Putnam, Rockland and
Westchester counties.

Instructions – Participants should bring a sample of mixed liquor (on ice if collected overnight). Please **do not** fill the sample to the top of the container. Leave some air space. If possible, bring microscopes and slides.

MORNING SESSION

7:30 – 8:00 am REGISTRATION

Welcome and Opening Comments
Yvonne Tucker, NYRWA

8:00 – 10:00 am Introduction to Microscopy

- Microscope features and benefits
- Defining the microscope selection process
- Explore cost factors
- Use of the microscope

10:15 – 12:00 Sampling

- Slide preparation
- Maintenance
- Staining techniques
- Sample examination
- Hands-on activity

NYS DEC is expected to grant 6.0 contact hours toward recertification.
NYSDOH will grant 3.75 contact hrs.
NO HOURS FOR PARTIAL ATTENDANCE

Speaker(s) for this session:
Steve Leach, Novozymes

Simple Microscope Applications

April 20, 2017

12:00 Lunch

1:00 – 3:30 pm Process Control Test Using Microscopy (hands-on)

- Organism class identification
- Determining how various classes of organisms translates to wastewater process control

Closing Remarks/Certificates

Is your utility / organization a member of the New York Rural Water Association? If not, you should consider joining the over 1400 that are, and share in the benefits! For more information, please call (518) 828-3155

Don't forget to join us in Niagara Falls for our... 38th Annual Technical Training Workshop and Exhibition
May 22 – 25, 2017.

Please Note – If you wish to cancel your registration for this session, you must do so within 3 business days prior to the session to receive a refund. Otherwise, you will be responsible for payment.

PLEASE RETURN BY April 9, 2017

PRE-REGISTRATION FORM
April 20, 2017 – New Hampton, NY

All information MUST be filled out.
(Please use a separate form for each attendee)

Personal Information

Name: _____

Home Address: _____

DOH Cert.# _____ DEC Cert.# _____

System: _____

County: _____ Phone: _____

e-mail address: _____

Member of NYRWA YES or NO

SPDES# _____ PWSID# _____

Billing Information Same as above ___

System/Company Name: _____

Billing Address: _____

Phone: _____

SESSION FEE \$ 16.00

(breakfast, lunch, training materials and facility fees)

Send registration form & payment to:
New York Rural Water Association
PO Box 487
Claverack, NY 12513
or fax: (518) 828-0582