

Spring 2012 Training Courses

# Hands-On Microbiology for Process Control & Troubleshooting

Wednesday-Thursday, May 30 and 31, 2012  
Stowe Public Safety Complex, Stowe, VT  
8:30 a.m. - 3:30 p.m.  
Sign-in begins at 8:00 a.m.

This course provides an introduction to activated sludge microbiology and the theory behind the predominance of certain indicator microorganisms such as protozoans, metazoans, and filamentous bacteria. Troubleshooting techniques for foam control, bulking sludge, and other microbiological problems encountered in an activated sludge process will be discussed.

Nora-Jean Lough, a microbiologist with the Narragansett Bay Commission in Rhode Island, will provide hands-on training in the use and care of a phase contrast microscope. She will explain slide preparation and microscopic techniques in assessing the quality of mixed liquor, as well as protozoan, metazoan, and filamentous bacteria identification. Several phase contrast microscopes will be available for use by participants, but if your WWTP has a phase contrast microscope, you are encouraged to bring it for use during this course.

This two-day class will benefit wastewater operators and lab personnel who are involved in or wish to understand process control decisions. Please bring samples of activated sludge MLSS and/or foam for microscopic examination.



**Instructors:** Nora-Jean Lough, Narragansett Bay Commission and Charles Conway, NEIWPCC

**Cost:** \$170

**Credits:** 12 Training Contact Hours

**Course #:** etc1250

## Registration Form

Course Title \_\_\_\_\_ Course # \_\_\_\_\_  
Your Name \_\_\_\_\_  
Wastewater License # \_\_\_\_\_ State \_\_\_\_\_  
Company/Facility \_\_\_\_\_  
Street \_\_\_\_\_  
City/Town \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Telephone \_\_\_\_\_ Fax \_\_\_\_\_  
E-mail \_\_\_\_\_

Indicate method of payment

Amount Enclosed \$ \_\_\_\_\_

Check No. \_\_\_\_\_  or PO No. \_\_\_\_\_  or Credit Card \_\_\_\_\_  
indicate Visa, MC or Discover

Credit Card # \_\_\_\_\_

3-digit code (Visa only) \_\_\_\_\_ Expiration \_\_\_\_\_  
located on back of card month/year

Name on Card \_\_\_\_\_

Signature Required \_\_\_\_\_ Date \_\_\_\_\_

**Mail Form and Payment to: NEIWPCC - Training; 116 John Street; Lowell, MA 01852-1124 Phone: 978/323-7929 or fax with a purchase order to: 978/323-7919. Registrations CANNOT be completed over the phone. Hard copies must be faxed/mailed.**

**PLEASE NOTE:** Enrollment is on a first-come, first-served basis, so please return your application as soon as possible. Due to limited classroom space and the popularity of certain subjects, we often reach capacity. We appreciate you taking time to notify us if you cannot attend a course for which you have registered. This makes a big difference to someone else who requires the training.  
THANK YOU!

- Checks/Money Orders: Should be made payable to "NEIWPCC Training." Note New Policy: There is a \$15.00 fee for checks returned due to insufficient funds.

- Registration Deadline: You must register at least seven days in advance of the first day of the course. Registrations after this time will incur a \$15 late fee.

- Cancellations/No Shows: Seven days notice is required IN WRITING (mailed or faxed) for you to cancel at no cost. Cancellations received after this time will be charged \$25 for programs under \$100 and \$50 for programs over \$100. Registrants who do not cancel or who fail to show are responsible for full payment.

- Credits: Participants must attend ALL hours of training to be eligible for Training Contact Hours. TCHs are awarded upon completion of a course. The certificates are mailed to participants.

- Use one form per course. Photocopy this page to apply for multiple courses.

- NEIWPCC reserves the right to postpone, reschedule or cancel any course as attendance dictates.