

**#6056**  
**Troubleshooting the Activated Sludge Process with a Microscope**

**#3564**  
**Wastewater Pathogens**

**6 WASTEWATER CONTACT HOURS**

**Troubleshooting the Activated Sludge Process with a Microscope:** This course provides an in-depth review of the use of the microscope as a troubleshooting and process control measure for the activated sludge process.

**Wastewater Pathogens:** This course reviews the disease agents associated with wastewaters, sludges, compost, aerosols and contaminated materials. Disease agents present include viruses, bacteria, fungi, protozoa and helminths (roundworms and tapeworms). Special reviews are offered for Hepatitis viruses, HIV (AIDS virus) and West Nile Virus, Leptosporosis, Giardiasis, Cryptosporidium and roundworm and tapeworm diseases. Disease transmission, body defenses and hygiene measures are presented.

**Topics to be covered:**

- Components of microscopic analyses
- Microscopy as a diagnostic tool
- Disease transmission and infection
- Groups of pathogens
- Infected hosts in the community

**August 13, 2019**

**Holiday Inn**  
1750 Sumneytown Pike  
Kulpsville, PA 19443  
**Montgomery County**

**Class Time:** 8:00 am - 4:00 pm

**Registration:** 7:30 am

*Lunch and materials provided with your registration*

**Instructor: Michael Gerardi**  
*Wastewater Microbiologist*

**Questions?**  
Call 800-653-7792 ext. 107 or 108  
Or email: Training@PRWA.com  
**WE HOPE TO SEE YOU THERE!**

**THE PRWA PROMISE**

If you're not 100% satisfied with the training class for any reason, we will give you a refund!

**WWW.PRWA.COM/PROMISE**

**Attendance cost per person:**  
\$195 for PRWA Members  
\$230 for Non-Members

**PRWA Member?**  Yes  No

**Location:**  
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Kulpsville, PA 19443  
**Montgomery County**

**August 13, 2019**

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#3564 - Wastewater Pathogens

Name: \_\_\_\_\_ PA-DEP Client ID (if applicable): \_\_\_\_\_

System/Company: \_\_\_\_\_ Phone: \_\_\_\_\_

Address:  Home  System Fax: \_\_\_\_\_

City \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Email: \_\_\_\_\_

**PAYMENT:**

Check (payable to PRWA)

Invoice Me:  Home  System

Credit Card:  AmEx  Discover  Visa  MasterCard

Card Number: \_\_\_\_\_

Exp Date (mm/yy): \_\_\_\_\_ CVC (3 or 4 Digit # on card): \_\_\_\_\_

Name on Card (Please print): \_\_\_\_\_

Signature: \_\_\_\_\_

Amount Due:  
\$ \_\_\_\_\_

To register by FAX or MAIL:

FAX: 814-353-9341

MAIL: 138 W. Bishop St., Bellefonte PA 16823

EMAIL: TRAINING@PRWA.COM

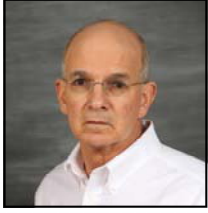
EMAILING REGISTRATIONS: EMAIL IS INHERENTLY INSECURE. CREDIT CARD INFORMATION SHOULD NOT BE EMAILED OR SENT IN AN ATTACHMENT.

**Questions?**

Call 800-653-7792 ext. 107 or 108

*Signature shown on card*

## MEET THE INSTRUCTOR



**Michael Gerardi**

*Wastewater Microbiologist*

Michael has developed and offered numerous wastewater biology courses in the United States, Canada, Caribbean and Europe. He has over 35 years experience in the wastewater treatment profession and has authored seven wastewater microbiology texts for John Wiley and Sons. He has performed microscopic analyses of wastewater samples and provided troubleshooting services for numerous municipal and industrial wastewater treatment facilities. He managed the Williamsport Sanitary Authority wastewater treatment facilities for 10 years.

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### Wastewater Pathogens



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**Holiday Inn  
Montgomery County**

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CONTACT HOURS**

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