

# #8249 Wastewater Odor Production and Control

## 6 WASTEWATER CONTACT HOURS

The course provides a comprehensive review of biological odor production in wastewater treatment plants and sewer systems as well as operational measures for odor prevention and control. The course reviews the forms of cBOD degradation that produce odors, the bacteria responsible for odor production, and the analytical tests that are available to monitor odor production and control. Operational measures that are reviewed for preventing and controlling odor production include biological, chemical, and physical. Examples of control measures presented include aeration, bioaugmentation, biofilters, disinfectants, nitrate addition, oxidizing agents, pH adjustment, and sulfide precipitation.

### Topics to be covered:

- Odor Production
- Precursors of Odorous compounds
- Bacterial Diversity Sulfide
- Hydrogen Sulfide Monitoring
- Odor Control

# May 20, 2020

**Hampton Inn Pine Grove**  
481 Suedberg Road  
Pine Grove, PA 17963  
**Schuylkill County**

**Class Time:** 8:00 am - 4:00 pm  
**Registration:** 7:30 am

*Lunch and materials provided*

**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

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:

\$ \_\_\_\_\_

**May 20, 2020**

#8249 - Wastewater Odor Production and Control

**Location:**

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481 Suedberg Road  
Pine Grove, PA 17963  
**Schuylkill County**

**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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**May 20, 2020**

**Hampton Inn Pine Grove  
*Schuylkill County***

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CONTACT HOURS**

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