

#3019
Activated Sludge: Settleability
Problems and Loss of Solids

#3563
Nitrification

6 WASTEWATER CONTACT HOURS

Activated Sludge: Settleability Problems and Loss of Solids: This course provides a review of the identification, causative factors and control of commonly occurring settleability problems and loss of solids in secondary clarifiers that contribute to permit violations, foam production, increased operational costs and loss of treatment efficiency.

Nitrification: This course will review the biological principles of nitrification and their application for process control, troubleshooting, permit compliance and cost-effective operation in the activated sludge process.

Topics to be covered:

- Undesired filamentous growth
- Nutrient deficiency
- Denitrification
- Role of organotrophic bacteria during nitrification
- Importance of cBOD removal
- Types of BOD and their impact

April 9, 2019

Hotel Anthracite
25 South Main Street
Carbondale, PA 18407
Lackawanna 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

Location:

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25 South Main Street
Carbondale, PA 18407
Lackawanna County

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#3019 - Activated Sludge: Settleability Problems and
Loss of Solids
#3563 - Nitrification

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: _____

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

Amount Due:
\$ _____

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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**Hotel Anthracite
Lackawanna County**

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pa rural water
Association

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