

Registration Form

June 8, 2023

#7499 - Wastewater System Math Refresher
#8549 - Food/Microorganism Ratio (F/M) and Mean
Cell Residence Time

Location:
**Bedford Township
Municipal Authority**
1007 Shed Road
Bedford, PA 15522
Bedford County

One Registration per person please!

Please provide the best contact information in case of class cancellation or changes.

Attendee Name: _____

PA DEP Client ID (if applicable): _____ Attendee E-Mail: _____

System/Company: _____

Attendee Cell Phone: _____ Fax: _____

Address: Home
 System/Company _____

City: _____ State: _____ Zip: _____

PAYMENT:

Check (payable to PRWA)

PRWA Member? Yes No

Invoice Me: Home System/Company

Attendance cost per person:

\$115 for PRWA Members

\$150 for Non-Members

Amount Due:

\$ _____

**For security reasons, all credit card transactions
must be processed through our website.**

If you prefer to pay via credit card, please visit www.prwa.com.

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

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 SEND IN AN ATTACHMENT.

Questions?

Call (800) 653-7792 ext. 107 or 108

#7499 Wastewater System Math Refresher &

#8549 Food/Microorganism Ratio (F/M) and Mean Cell Residence Time

5 WASTEWATER CONTACT HOURS

Wastewater System Math Refresher: Wastewater operators are required to complete math calculation to assist in operations. This course will review some of the math required to operate a wastewater system.

Food/Microorganism Ratio (F/M) and Mean Cell Residence Time: An activated sludge treatment system is a living ecosystem and requires special care to ensure that the organisms are healthy and provided with the proper environment for them to flourish. There are many factors that can have an effect on the efficiency and overall operations of an activated sludge treatment plant and there are many operational adjustments that need to be made on a daily basis to keep the system running at its best. Two calculations that are often used to determine those adjustments are food/microorganism (F/M) ratio and mean cell residence time (MCRT).

Topics to be covered:

- Converting Flows Velocity of Flow Pumping Unit
- Process Efficiency BOD/Suspended Solids Removed
- Food I Microorganism Ratio
- Mean Cell Residence

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PRSRT STD
U.S. POSTAGE
PAID
BELLEFONTE, PA
PERMIT NO. 196

Class Time: 8:00 am - 2:30 pm

Registration: 7:30 am

*Lunch and materials provided with your
registration*



**Instructor:
Pete Weaver**

Water/Wastewater Technician

Pete is a water and wastewater technician / training specialist with PRWA and has worked in the water and wastewater industry since 1991. Pete’s experience comes from decades of hands-on operating experience, troubleshooting and maintenance in both industry fields. He currently holds a PA Class A wastewater certification as well as a PA Class B Water certification. Pete also ran an accredited wastewater lab as well as a land application of bio-solids program for sewage sludge disposal. He is also familiar with short- and long-term municipal financial planning as well as project financing, planning, execution, and municipal budgeting.

pa rural water
Association

138 West Bishop Street
Bellefonte, PA 16823
800-653-7792

WWW.PRWA.COM

**Wastewater System Math
Refresher**

&

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