

#1830 Pumps

6 WATER AND WASTEWATER CONTACT HOURS

Pumps and their related drives are probably one of the most complex pieces of machinery a water and wastewater operator encounters. Every operator should have a good basic understanding of their system's pumping equipment and how to properly maintain it. Operation and maintenance of pumps is the function of sustaining or restoring equipment so that it can perform its intended job safely, effectively, and economically. The purpose of this course is to train operators the importance of doing just that.

MEET THE INSTRUCTOR



Glenn Cowles
Director of Operations
Water Technician

Glenn Cowles has been employed as a PA Rural Water Association Water Technician since 2004. He has held a PA DEP Class AE (subclasses 1 through 14) Water License since 1998. Glenn also is a Certified PaWarn First Responder. Glenn has extensive knowledge in regulations, treatment, and leak detection. Prior to joining the PRWA team Glenn was employed with a contracting firm installing water and wastewater systems, followed by being employed by the local municipality where he resides operating & maintaining 2 water treatment plants, distribution system, and wastewater collection system resulting in over 30 years experience in the water and wastewater industry.

June 9, 2020

The Inn at Reading
1040 N. Park Road
Wyomissing, PA 19610
Berks County

Class Time: 8:00 am - 3:30 pm
Registration: 7:30 am

*Lunch and materials provided with
your training class registration*

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

Method 334.0

Is it time for your instruments Routine Calibration Verification?

In September 2009, the Environmental Protection Agency (EPA) published Method 334.0. In 2018, the Pennsylvania Department of Environmental Protection (DEP) required compliance of Method 334.0. Specifically, Pennsylvania drinking water systems are expected to follow Method 334.0 if they use a handheld, benchtop or on-line chlorine analyzer for any of the following:

- compliance monitoring at both the entry point and in the distribution system;
- monitoring used to obtain results for calculating log inactivation;
- or chlorine monitoring required as part of a permit condition.

In short, all community water systems and any noncommunity water system with surface water or 4-log treatment are required to follow Method 334.0.

To verify on-line analyzers and become Method 334.0 compliant systems must complete:

- The field sampler initial demonstration of capability. This is required for any individual who conducts chlorine analysis at the water system.
- The initial calibration verification is required for any handheld or benchtop analyzer used for chlorine analysis or used for comparison grab sampling within Method 334.0.
- Routine calibration verifications are required quarterly (at least every 90 days) for any handheld or benchtop analyzer used for chlorine analysis or used for comparison grab sampling within Method 334.0.

Many systems have done initial demonstration of capability for individuals who conduct chlorine analysis and have completed initial calibration verifications. To maintain Method 334.0 compliance, systems must complete Routine Calibration Verifications.

PRWA will have staff at this training seminar to perform Routine Calibration Verifications for participating systems instruments.

Operators can choose to attend only the seminar, attend the seminar and have equipment verified, or just have the equipment verified.

In addition to the instrument in need of routine calibration verification, paperwork specific to method 334.0 will be needed including:

- Initial calibration verification
- And, if completed at any time, quarterly instrument verification

In addition to the instrument(s) to be verified, the PRWA staff will need clean sample glassware. Additionally, if the instrument cannot be verified using a DPD pillow packet, the specific chemical/reagent needed should be provided.

Cost:
\$39 per Instrument

Questions?

Call (800) 653-7792 ext. 107 or 108
Or email: Training@PRWA.com

Registration Form

June 9, 2020

#1830 - Pumps

Please select an option:

- Training Class Only
- Method 334.0 Quarterly Verification Only
- Both Training Class & Method 334.0 Quarterly Verification

Number of Instrument(s):

\$39 per instrument

Location:

The Inn at Reading
1040 N. Park Road, Wyomissing, PA 19610
Berks County

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

Pumps

Including Method 334.0 Quarterly Verification

**In addition to clean sample vial, do not forget to bring Initial Calibration Verification & Routine Calibration Verification paperwork for each instrument to be verified.*

Name: _____

PA DEP Client ID (if applicable): _____

System/Co.: _____

Phone: () _____ Fax: () _____

Address: Home System _____

City: _____ State: _____ Zip: _____

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): _____

Card Billing Zip Code: _____

Name on Card (Please print): _____

Signature: _____

PRWA Member? Yes No

Attendance cost per person:

\$95 for PRWA Members
\$130 for Non-Members

\$39 for Instrument Verification
(per instrument)

Amount Due:

\$ _____

For the most up to date information,
check out WWW.PRWA.COM

Also, find us on social media.
Search: PA Rural Water

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.

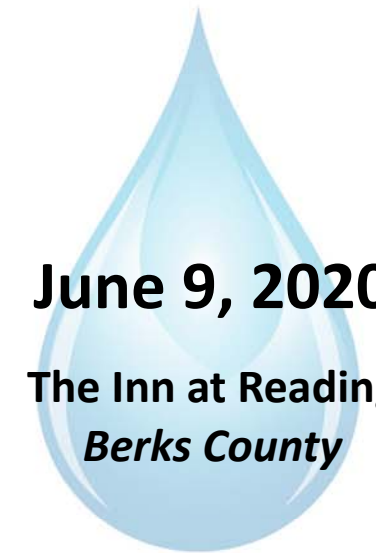
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pa rural water
Association

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