

#6110 Laboratory and Sampling Basics for Drinking Water

5 WATER CONTACT HOURS

Why are systems responsible for collecting water samples? What samples should systems collect? How do systems collect samples? How do systems ensure sample accuracy? When is it necessary for a system to notify the public? This course will review the regulatory framework as to why samples are collected in addition to proper sampling, reporting and record keeping. EPA Method 334.0, the quality control protocol for chlorine residual monitoring will be addressed.

MEET THE INSTRUCTOR



Wendy Malehorn

Training & Education
Development Specialist

Wendy is a Training & Education Development Specialist. Wendy has worked in the water industry since 1997, when she became a licensed water operator. Wendy's experience comes from being a trainer for PRWA, PA DEP and Penn State as well as hands on experience with various local systems, including a small system in Snyder County. Wendy holds a B.S. in Public Health with a concentration in Environmental Health from West Chester University.

June 9, 2020

Ramada by Wyndham
45 Holiday Inn Road
Clarion, PA 16214
Clarion County

Class Time: 8:00 am - 2:30 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

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Please select an option:

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

Location:

Ramada by Wyndham
45 Holiday Inn Road, Clarion, PA 16214
Clarion County

Number of Instrument(s): _____

\$39 per instrument

**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 Zipcode: _____

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.

Questions?

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

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pa rural water
Association

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

WWW.PRWA.COM

Laboratory and Sampling for Drinking Water

Including Method 334.0 Quarterly Verification



June 9, 2020

**Ramada by Wyndham
Clarion County**

5 WATER CONTACT HOURS

pa rural water
Association