

# #3610

## Asset Management

4 WATER AND WASTEWATER  
CONTACT HOURS

Asset management can be defined as "a process for maintaining a desired level of customer service at the best appropriate cost." According to the Government Accountability Office (GAO; formerly the General Accounting Office), comprehensive asset management has the potential to help utilities better identify needs and plan for future investments.

### MEET THE INSTRUCTOR



**Chad Heister**  
*Energy and Sustainability  
Specialist*

Chad is the Energy and Sustainability Circuit Rider. Chad started as a bookkeeper and sampling technician for an environmental laboratory in 1997. He became a licensed water and wastewater operator in 2000. Chad performed the daily testing, DMRs, process control testing, coordinating water and wastewater repairs, and I&I reduction management for over 8 years. He has also worked at a CPA firm doing Pennsylvania sales tax recovery for contractors that constructed and upgraded wastewater plants among other tax-exempt projects. Chad currently has a class A wastewater license and also holds B.S. degrees in Accounting and Business Management. He is also a Certified Public Accountant.

# May 20, 2020

**Holiday Inn**  
100 Pine Street  
Williamsport, PA 17701  
**Lycoming County**

**Class Time:** 8:00 am - 1:30 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

May 20, 2020

#3610 - Asset Management

Please select an option:

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

Location:

**Holiday Inn**  
100 Pine Street, Williamsport, PA 17701  
**Lycoming 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](http://WWW.PRWA.COM)

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

To register by FAX or MAIL:

FAX: (814) 353-9341

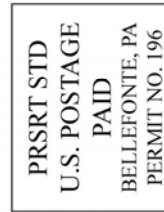
MAIL: 138 W. Bishop St., Bellefonte PA 16823

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



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

[WWW.PRWA.COM](http://WWW.PRWA.COM)

## Asset Management

**Including Method 334.0  
Quarterly Verification**



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CONTACT HOURS**

