

**July 23, 2019:**

**#6711 - Common-Sense Practices of a Well Run Water/Wastewater Facility**

**6 WATER & WASTEWATER CONTACT HOURS**

This program looks at two common misunderstood key elements to achieve a well run operation. First, we'll explore temperature & alkalinity, two of the most important measurement parameters an operator can make, but which typically take a back-seat in importance. Find out why understanding the key role they play, can lead to better process control. Next we'll investigate the 3 key operational practices most often ignored in the chemical feed process.

**Topics to be Covered:**

- Temperature
- Alkalinity
- Chemical Delivery Lab Tests

**July 24, 2019:**

**#6712 - Sun-fire Ways to Coliform "Hit" in Your Water System .. or Worse**

**6 WATER CONTACT HOURS**

This course looks at 5 little-known paths to potential introduction of pathogens. We'll review the typical disinfection protocol in repairs to distribution systems and examine basic sampling techniques. Then we will look at some of the little understood ways which lead to system contamination. Finally, we'll look at the most common residual based test methods. See how and why some common Chlorine test methods have little known interferences, and may even lead to false Free Chlorine residuals.

**Topics to be Covered:**

- Coliform Sampling
- Chlorine Testing Methodology
- Anomalies w/DPD Free Chlorine
- Distribution Repairs/Practices

**Quality Inn and Conference Center  
1411 Liberty Street  
Franklin, PA 16323  
Venango County**

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

*Lunch and materials provided with your registration*

**Instructor: Michael Harrington**  
*Certified Environmental Instructor*

**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:

**Quality Inn and Conference Center**  
1411 Liberty Street  
Franklin, PA 16323  
Venango County

Registration Form

- 7/23/2019 - #6711-Common-Sense Practices of a Well Run Water/Wastewater Facility
- 7/24/2019 - #6712 - Sure-fire Ways to A Coliform "Hit" in Your Water System ...or Worse

**Attendance cost per person:**  
\$120 per day for PRWA Members  
\$155 per day 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: \_\_\_\_\_

Amount Due:  
\$ \_\_\_\_\_

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

*Signature shown on card*

## MEET THE INSTRUCTOR



**Michael Harrington**

Mike Harrington is a Certified Environmental Instructor (CET) and holds certification from Texas, Oklahoma, and Maryland in water, wastewater, and industrial wastewater. He has numerous years experience as an operator, as well as work experience with manufacturers and suppliers to the industry.

For 25 years, Mike has been writing and presenting water and wastewater operator training to municipalities, training centers, and regulatory agency professionals across the country. He holds an undergraduate BS/BA degree from Columbia Union University, and continues to pursue a Master degree from Wilmington University.

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**pa rural water**  
Association

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

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## TWO SEMINARS TO CHOOSE FROM!

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Common-Sense Practices of a Well  
Run Water/Wastewater Facility

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Venango County**

July 24, 2019

Sure-fire Ways to A Coliform “Hit”  
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