

# Registration Form

**July 12, 2023**

#7195– Corrosion Control & Flushing: What's in Your Pipes?  
#8033– Chlorine in the Distribution System, Dealing with the  
Good, Bad and Ugly

**Location:**

**Senator James J. Rhoades  
Downtown Center  
1 West Centre Street - 2nd Floor  
Mahanoy City, PA 17948  
Schuylkill County**

**#7195/8033**

**Corrosion Control & Flushing: What's in Your  
Pipes?/Chlorine in the Distribution System,  
Dealing with the Good, Bad, and Ugly**

**6 WATER CONTACT HOURS**

*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:**

\$185 for PRWA Members  
\$220 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](http://www.prwa.com).**

**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

### Corrosion Control & Flushing: What's in Your Pipes?

This course covers the basics of corrosion in a water distribution system, methods of control and distribution system flushing.

### Chlorine in the Distribution System, Dealing with the Good, Bad, and Ugly:

The Good - As a Bactericide - What makes chlorine such a good disinfectant, and why it is used so extensively? We delve into super chlorination and chlorine used as a primary and secondary disinfectant. The discussion will include proper chlorination techniques and the roles of flushing when it comes to repair and/or replacement of distribution lines. The Bad - Need for Dechlorination - Since chlorine is such an effective killer, uncontrolled releasing into the environment is not acceptable. We will discuss what chemicals are available, the equipment needed based upon application, proper techniques, and monitoring your results. The Ugly - Issues with Disinfection By-Products - Using chlorine as a bactericide is good, but its reactions as an oxidizer cause heartache for many systems. Other chemicals may be suitable for your system, but if not, certain techniques may also be helpful in limiting DBPs in the outer reaches of your system.

### Topics to be covered:

- Corrosion Control
- Water Quality Testing
- Distribution Maps and Techniques
- Nature of Chlorine
- Chlorine Safety

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

**Registration:** 7:30 am

*Lunch and materials provided with your  
registration*

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**Instructor:  
John Schwartz**

John brings over 40 years of water and wastewater experience to the training room, including roles as a Construction and Maintenance Worker, up to the Senior Water Systems Operator Positions for both Water Treatment and Distribution Systems for City Riverside, CA. John is currently working for USABlueBook as the Technical Training Manager, and is certified in Water Treatment and Distribution, in both California and Montana. John also maintains a Utility Management Certification (UMC) for Water and Wastewater Management from NRW's Water University.

**pa rural water**  
*Association*

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

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

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