

# Registration Form

**February 4, 2021**

#5785 Greensand Filtration  
#7168 Groundwater Fundamentals and Filtration  
Basics

**Location:**  
*The Event Center at Shepherd Hills*  
1160 S. Krocks Rd.  
Wescosville, PA 18106  
Lehigh County

**#5785**  
**Greensand Filtration**

**#7168**  
**Groundwater Fundamentals and Filtration**  
**Basics**

**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)

Invoice Me:  Home  System/Company

Credit Card:  Personal Card  Company/Business 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:

\$105 for PRWA Members

\$140 for Non-Members

Amount Due:

\$ \_\_\_\_\_

## 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**

**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

**Greensand Filtration:** Many public water systems throughout Pennsylvania have appreciable levels of iron and manganese in their surface and groundwater sources. These systems are required to provide treatment to minimize the associated water quality problems. This course will discuss the background and basic chemistry of iron and manganese in source waters and the various treatment alternatives. The course will focus on greensand filtration, the most widely used treatment method for iron and manganese removal.

**Groundwater Fundamentals and Filtration Basics:** This course will focus on the fundamentals of groundwater supply and treatment, and various filtration alternatives to meeting safe drinking water requirements. Emphasis will be placed on the evaluation and selection of the appropriate filtration techniques and advantages/limitations therewith, operation and maintenance, equipment and chemicals necessary for appropriate utilization and operations of selected alternatives.

### Topics to be covered:

- Fe Mn Basics
- Treatment Options
- Groundwater Facts
- Treatment of Groundwater

### Important!

**Face Coverings are required by all attendees at PRWA training seminars.**

*Prior Authorization is required by our office if you are unable to wear a Face Covering.*

# February 4, 2021

**The Event Center at Shepherd Hills**  
1160 S. Krocks Rd.  
Wescosville, PA 18106  
***Lehigh County***



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

**Registration:** 7:30 am

*Lunch and materials provided with your registration*



**Instructor:**  
**Travis Long**

Travis Long is a Senior Project Leader for JHA Companies. He is a graduate of Juniata College and has 19 years experience in the planning, design, construction management and operations of water and wastewater treatment facilities and pilot units. He is a certified water and wastewater operator and has worked with and conducted extensive evaluations and testing in over 200 water and wastewater facilities throughout Pennsylvania, New York, Ohio and West Virginia. Travis is active in numerous environmental, water and wastewater related organizations.

**pa** rural water  
*Association*

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

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

## Greensand Filtration

### Groundwater Fundamentals and Filtration Basics

## February 4, 2021

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