

# #1830 Pumps

## 6 WATER & WASTEWATER CONTACT HOURS

Pumps and their related drives are probably one of the most complex pieces of machinery a water and wastewater operator encounters. Every operator should have a good basic understanding of their system's pumping equipment and how to properly maintain it. Operation and maintenance of pumps is the function of sustaining or restoring equipment so that it can perform its intended job safely, effectively, and economically. The purpose of this course is to train operators the importance of doing just that.

### Topics to be covered:

- Pump Basics
- Pump Types
- Pump Components
- Basic Pump Hydraulics
- Pump Installation
- Maintenance of Pumping Systems

# May 12, 2020

**Best Western Plus**  
115 Premiere Drive  
State College, PA 16801  
**Centre County**

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

*Lunch and materials provided  
with your registration*

**Instructor: Glenn Cowles**  
*Director of Operations*

### 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**

**Attendance cost per person:**  
\$95 for PRWA Members  
\$130 for Non-Members

**PRWA Member?**  Yes  No

**May 12, 2020**  
#1830 - Pumps

**Location:**

**Best Western Plus**  
115 Premiere Drive  
State College, PA 16801  
**Centre County**

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): \_\_\_\_\_

Card Billing Zipcode: \_\_\_\_\_

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



**Glenn Cowles**  
*Director of Operations*

Glenn Cowles has been employed as a PA Rural Water Association Water Technician since 2004. He has held a PA DEP Class AE (subclasses 1 through 14) Water License since 1998. Glenn also is a Certified PaWarn First Responder. Glenn has extensive knowledge in regulations, treatment, and leak detection. Prior to joining the PRWA team Glenn was employed with a contracting firm installing water and wastewater systems, followed by being employed by the local municipality where he resides operating and maintaining 2 water treatment plants, distribution system, and wastewater collection system resulting in over 30 years experience in the water and wastewater industry.

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PERMIT NO. 196

## Pumps



**May 12, 2020**

**Best Western Plus  
Centre County**

For the most up to date information, check out:

**WWW.PRWA.COM**

Also, find us on social media.

Search: Pa Rural Water

Linked  

  

**pa rural water**  
*Association*

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

**WWW.PRWA.COM**

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**pa rural water**  
*Association*