

Pump Maintenance and Troubleshooting

Tuesday, February 27th 2024

Company / System: _____

Name: _____

Address: _____

City: _____

State: _____ Zip: _____

Phone: _____

Cell: _____

Email: _____

NPDES # _____ (If Applicable)

Please check all licenses and/or categories that apply:

Water Operator _____ Wastewater Operator _____

Other System Personnel _____ Please List: _____



Delaware Rural Water Association

210 Vickers Drive

Milford, DE 19963

Phone: 302-424-3792 / Fax: 302-424-3790

Email: delawareruralwater@yahoo.com

Website: www.drwa.org

Instructor Spotlight

Roger brings many years of experience as he started as a Operator/Supervisor of Wastewater Treatment Facilities in Pennsylvania as well as a Water and Wastewater Lab Technician before joining Envirep, Inc. in 2005. During the years with Envirep, Roger has served as a Service Manager, Manufacturer's representative for water and wastewater treatment equipment manufacturers, providing maintenance, startup, training and troubleshooting of various water and wastewater equipment.

We welcome Roger to DRWA and look forward to having him join us for this presentation!!!



**PLEASE NOTE: CLASS LIMIT IS 25
EARLY REGISTRATION
IS RECOMMENDED**
**DELAWARE RURAL WATER
ASSOCIATION CORPORATE SPONSORS**



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During this session, the participant will be able to understand centrifugal pump basics, centrifugal pump operation, pump components, suction lift principals, net positive suction head and total dynamic head. Also, the participant will learn how to use pump performance curves and system head curves to avoid and resolve mechanical problems, estimate pump capacity using wet well draw-down test, disassemble and assemble a centrifugal pump, replace components, lubricate pump, adjust clearances, use pressure gauges to troubleshoot pumps, understand the causes of cavitations and remedies and have a better understanding of safety concerns when working in a pump station environment.



Time: 8:00 am - 4:00 pm
ECH's: 7.0 Hrs. Water & Wastewater - Direct
Location: DRWA Training Facility
210 Vickers Drive
Milford, DE. 19963
Cost: FREE - Funded By USDA RD WW
Instructor: Roger Stauffer, Envirep, Inc.

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Complete Form & Return Or Visit Our Website @ www.drwa.org

The Delaware Rural Water Association Apprenticeship Program

At DRWA, we are highly aware of the need for skilled Water and Wastewater System Operation Specialists, and we have been working diligently to address this need. Our Apprenticeship Program was registered with the Delaware Department of Labor in May 2019 with our first class graduating in the Spring of 2021.

Why Do We Need the Apprenticeship Program?

In the next five years, 30-50% of water professionals are expected to retire.

Our program was created as a direct response to the need to transfer the knowledge of Water and Wastewater Professionals to the next generations before their retirement. By enrolling in our program, the Apprentice will become a member of a valued and knowledgeable team that helps to preserve our most valuable resource, water.



Cross-Connection-Control Program

WHY IS A CROSS-CONNECTION CONTROL PROGRAM SO IMPORTANT?

A cross-connection control program is not only critical from a public health perspective, but also in preventing significant exposure, litigation, and financial loss to anyone not in compliance with this important regulation.

It Protects Public Health.

Normally, water in a home or building flows in one direction. Under certain conditions, water can actually flow backwards; this is known as backflow, which can introduce contaminants into the drinking water supply with dangerous – even lethal – consequences.

It's The Law.

State and local regulations and plumbing code require approved backflow prevention methods to be installed at every point of potable water connection and use. Fines, penalties, and the loss of water service are all possible if non-compliant. Furthermore, if contamination occurs and an individual or a group of individuals or their property suffers damage due to a backflow incident, they may seek damages from the municipality and the entity that contributed to the contamination.



DRWA's Upcoming Events

Thursday, October 3th 2024

Barry Walter Memorial Golf Outing

Jonathan's Landing
1309 Ponderosa Drive
Magnolia, DE. 19962



9:00 AM Registration & 10:00 AM Shotgun Start

Friday, October 4th 2024

15th Annual Water & Wastewater Operators Expo

Greenwood Volunteer Fire Company
12611 Fire Hall Avenue
Greenwood, DE. 19950
8:00 AM – 3:00 PM



Friday, October 18th 2024

5th Annual Sporting Clays Tournament "In Memory Of Bob Slater"

Owens Station Sporting Clays
12613 Hunters Cove Road
Greenwood, DE. 19950



8:00 AM Registration 9:00 AM Shoot Begins
12:00 PM Lunch, Awards & Raffles

**Wednesday, February 26th &
Thursday, February 27th 2025**

34th Annual Technical Conference & Exhibition



Delaware State Fairgrounds
18500 S. DuPont Highway
Harrington, DE. 19952

For more classes and information visit us at www.drwa.org