

# Tri-Con Operator Classes

WEDNESDAY 8:00am – 12:00pm, Room 210 (3.5 hours)

## Well Operation and Maintenance

TRE: Pending

Instructor: **Eddie Cope**, Anne Arundel County

**Description:** This course is intended for superintendents and operators of public water systems that utilize groundwater wells as a source of supply. Topics to be covered include groundwater hydrogeology; types of wells and drilling techniques; well pumps, motors, and control systems; well pump station design; operational strategies; well maintenance and rehabilitation alternatives; water quality monitoring; performance monitoring and troubleshooting; and sanitary risks and protection.

**Bio:** Since 1994, Eddie Cope has been sharing his knowledge of water and wastewater treatment with students in Maryland, Delaware, Virginia and Pennsylvania. With 37 years of experience in the water and wastewater fields as an Operator, Team Manager, and Program Manager, Eddie holds various certifications such as: Class 4 Water, Sampler license, and Superintendent. In addition to his 70 college credits, he holds his Certified Environmental Trainer (CET) certification. Eddie's true passion is teaching and coaching students. He enjoys connecting with operators of all levels, sharing his knowledge and experience, and helping to expand interest and dedication to water in all forms. For Eddie, teaching is the best way to give back to an industry that has given him so much. Eddie lives with his wife Noelle on Kent Island, MD and has three children: Eddie, Julia and Ella.

WEDNESDAY 1:00pm – 5:00pm, Room 210 (3.5 hours)

## Understanding the Dangers of and Treatment Methods for PFAS Chemicals and Emerging Contaminants

TRE: Pending

Instructor: **Scott Harmon**, RCAP

**Description:** This session will be covering information, and treatment methods for PFAS Chemicals including PFOA, PFOA and GenX chemicals. We will discuss the history, health effects, and EPA's past and recent actions to address this issue and will explore the Best Available Treatment Techniques for treatment and mitigation.

**Bio:** Gregory "Scott" Harmon, RCAP Senior Training and Technical Support Specialist. Scott has over 40 years of experience in the water and wastewater industry. Previously to being at RCAP, Scott was employed by The Maryland Rural Water Association as an EPA Trainer, as well as being employed by Anne Arundel County for 33 years, where he served as a Team Manager in charge of water treatment plants. He is actively involved with MDE on licensing and training issues. He sits on the Chesapeake WWO Short Course Committee, Scott has been involved in the training of water and wastewater operators for over 30 years.

THURSDAY 8:30am – 12:30pm, Room 210 (3.5 hours)

## Math for Water and Wastewater

TRE Pending

Instructor: **Will Shreve, Jr.**, BTS Bioenergy

**Description:** The class is a review of water and wastewater math including averages, DO uptake, pressure, chemical feeding and loading, and F/M ratios. Questions will be based on the new MDE Study Guide.

**Bio:** Will Shreve had worked in wastewater and water for 22 years. He has run and managed plants from 15 MDG to 10,000 gpd. Will has been teaching math to operators for years one on one but now is sharing his knowledge and expertise in a classroom setting.

THURSDAY 2:00pm – 5:30pm, Room 210 (3 hours)

## Backflow Prevention Overview Class

TRE: Pending

Instructor: **William “Bill” Hague**, Delaware Rural Water Association

**Description:** Class summary -

- History of backflow
- Backflow terminology
- Devices and assemblies
- Backflow prevention hydraulics
- Installation criteria
- Backflow devices & methods
- Pressure Vacuum breaker/Spill Resistant Vacuum breaker
- Double Check Valve Assembly
- Reduced Pressure Principle Assembly
- Pressure differential gauges
- Testing and Test forms
- Cross Connection Control Surveys
- Questions & Answers

**Bio:** William (Bill) Hague has worked for Delaware Rural Water Association (DRWA) for seven years. His primary focus has been drinking water. Bill has held his Delaware water operator’s license for fifteen years. He has also held his ASSE tester, repairer, surveyor, and BP administrator for fifteen years. While at DRWA Bill has been testing and repairing backflow assemblies, completing cross connection control surveys, and assisting with all ASSE classes held at DRWA.