

# **Corrosion Control and Water Quality:** **A Holistic Approach to Phosphate Treatment**

## **Description:**

An anticipated impact of the lead & copper rule revision is an increase in both the overall use, and concentration of corrosion additives. This class will help with understanding how CCT decisions can affect the greater environment around us and specifically how those decisions impact both drinking and wastewater chemical treatments. By utilizing equilibrium-blended phosphate, utilities can control corrosion by using up to 90% less phosphorus while minimizing the impacts of chemical treatment decisions as a whole.

## **Agenda:**

**Sign-in at 8:00 AM. Seminar Begins at 8:30 (Thanks to Aqua Smart Inc. for morning refreshments)**

### **Section 1 – 1 hour**

- Introduction to a holistic view of phosphates and demonstration: 15 min
- Drinking Water Treatment – Introduction to Scaling: 15 min
- Corrosion Control – Environmental and Wastewater Effects: 20 min
- Quiz 1: 10 min

**Break: 15 min**

### **Section 2 – 1 hour**

- Wastewater Treatment: 15 min
- Practical Impacts of Holistic Corrosion Control Treatment: 15 min
- Why Ammonia? 20 min
- Quiz 2: 10 min

**Break: 15 min**

### **Section 3 – 1 hour**

- Revised Lead/Copper Rule: 20 min
- A Holistic Approach to Water Quality and demonstration: 20 min
- Case Histories/Q&A: 10 min
- Quiz 3: 10 min

**Noon: Conclusion, paperwork, and dismissal**

## **Instructors:**

Matt Tyrrell is the RSM for the Mid-Atlantic Region for Aqua Smart Inc. Mechanical Engineer and former Marine having over 7 years of experience in the water industry. Lives in Philadelphia with his wife and two stepdaughters who live nearby.

## **Locations and Dates:**

August 7, 2024: Egg Harbor City Fire Department, 631 Philadelphia Avenue, EHC (Atlantic County)

## **Accreditation:**

3.0 Training Contact Hours for NJ-Licensed Water/Wastewater Operators:  
TCH Course Number 04-072302-30  
3.0 Hours toward license renewal for NJ Certified Public Works Managers:  
DLGS-NJWA-#251 (3.0 Technical)

Registration is required and is free-of-charge at [www.njwater.org](http://www.njwater.org)

**No more than 4 attendees per employer or system**

**Please plan to arrive at 8:00 am.**



**The New Jersey Water Association**