

# **Asset Management**

## **Through Predictive Maintenance and In-Line Trouble Shooting**

**NOTE: THIS IS AN AFTERNOON CLASS**

**There is a morning class as well. See class listings.**

**Course objective:** Assist with the planning practice for predictive maintenance throughout your utility, identifying the critical variables for identifying maintenance requirements, and tools to help managers and maintainers identify opportunities for maintenance with more predictable budget.

**Who will benefit from this course?** Water and wastewater operators, technicians, engineers, supervisors, foremen and others involved in maintenance and budgeting capital and operating expenses.

### **Agenda:**

**11:45-12:15 Sign-in**

**12:15 pm** What is Predictive Maintenance?

Differences between Predictive, Reactive and Preventative Maintenance

Importance of predictability

Impact of emergencies

In Line Trouble Shooting

Pump Curves – what are they and what do they tell us

Tools to use in the field

**15- Minute Break**

Sensitivity of Measurements

Flow estimation methods

Practical Exercises

Effective Asset Management

Identify recurrence intervals of failures

Understand predictability of failures

Projecting severity of failures

Decision tool for managers

Technology and access that exists today

**3:30 pm Paperwork and Dismissal**

**Instructor:** Ryan Booth, PSI Process – 18 years in the industry, TEEX Infrastructure Disaster Management Certificate, West Point Class of 2002, BS Human Factors Engineering

### **Accreditation:**

3.0 TCH Water & WW, Course Number 04-122201-30. CPWM 3.0 MGT DLGS-NJWA-242

### **Dates and Locations:**

**July 23, 2025 – Hyatt House Parsippany East, 299 Smith Road, Parsippany (Morris County)**

**Please plan to arrive at 11:45 am.**

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