

# Asset Management

## Through Predictive Maintenance and In-Line Trouble Shooting

Lunch will be provided immediately after class, compliments of PSI Process

**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:

**8:00-8:30** Sign-in

**8:30-12:00** What is Predictive Maintenance?

Differences between Predictive, Reactive and Preventative Maintenance

Importance of predictability

Impact of emergencies

**Break (15 Minutes)**

In Line Trouble Shooting

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

Tools to use in the field

Sensitivity of Measurements

Flow estimation methods

Practical Exercises

**Break (15 Minutes)**

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

**Practical**

**12:00**

**Dismissal**

**Instructor:** Ryan Booth, PSI Process – 17 years in the industry, TEEEX 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:

**August 15, 2024- Mount Olive Twp Council Chambers, 204 Flanders-Drakestown Rd. Flanders. (Morris County)**

**August 22, 2024 - Brooklawn Senior Community Center, Second Street, Brooklawn (Camden County)**

**No more than 4 attendees per utility.**

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

Registration is required and is free of charge at:

**[WWW.NJWATER.ORG](http://WWW.NJWATER.ORG)**

The New Jersey Water Association