

# 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? <ul style="list-style-type: none"><li>Differences between Predictive, Reactive and Preventative Maintenance</li><li>Importance of predictability</li><li>Impact of emergencies</li></ul> <b>Break (15 Minutes)</b> <ul style="list-style-type: none"><li>In Line Trouble Shooting<ul style="list-style-type: none"><li>Pump Curves – what are they and what do they tell us</li><li>Tools to use in the field</li><li>Sensitivity of Measurements</li><li>Flow estimation methods</li><li>Practical Exercises</li></ul></li></ul> <b>Break (15 Minutes)</b> <ul style="list-style-type: none"><li>Effective Asset Management<ul style="list-style-type: none"><li>Identify recurrence intervals of failures</li><li>Understand predictability of failures</li><li>Projecting severity of failures</li><li>Decision tool for managers</li></ul></li><li>Technology and access that exists today</li></ul> <b>Practical</b>
12:00	Dismissal

**Instructor:** Ryan Booth, PSI Process – 17 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:**  
May 20, 2025 – Hammonton Utilities, 45 Pleasant Mills Road (Route 542), Hammonton, (Atlantic County)  
May 28, 2025 - 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