

# The Complete Pumping Class **New!**

## **Description:**

Learn all about large distribution booster and centrifugal pumps, hydraulics, head and pressure, and chemical feed pumps. Course will cover the differences between positive displacement and centrifugal pumps, and their operation, maintenance and repair. A review of horsepower calculations and pump curves is also included.

08:00 – 08:30 Sign-in

08:30 – 10:00 Centrifugal pump O & M

10:00 – 10:15 Break

10:15 – 11:30 Positive Displacement Pumps

11:30 – 12:30 Understanding Pump Curves – Working Lunch

12:30 – 13:00 Horsepower – WHP -BHP – MHP Calculations

13:00 – 13:15 Break

13:15 – 14:00 Chemical Feed Pumps and Dosage

14:00 Adjourn

*Please pack lunch, if you wish. Lunch will not be provided*

## **Instructor: Loyd Rawlings—Technical Training Manager, USABlueBook**

Loyd brings over three decades of experience to the training room, including roles as a distribution operator, surface water treatment, ground water treatment operator, and public works director.

Loyd worked for Missouri Department of Natural Resources as a certification trainer and compliance assistance operator. With Missouri Rural Water Association, he led EPA Water Quality Action Specialists (WQAS) trainings, worked as a USDA Wastewater Technician, served as a circuit rider, and taught numerous water and wastewater certification classes.

Loyd holds certifications in Water Treatment, Wastewater Treatment and Distribution systems in Missouri. He holds a Utility Management Certification (UMC) from NRWA's Water University.

## **Date and Location:**

**June 3, 2026 - Homewood Suites, 960 US Highway 130, Hamilton, New Jersey, 08690**

## **Accreditation:**

**5.5 TCH Water & WW, Course Number 04-062602-30. CPWM (5.5 Tech) DLGS-NJWA-312**

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

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

**The New Jersey Water Association**