



Pump Basics and Maintenance

(6 Municipal Waterworks/ 6 Wastewater Credits)

No Fee

December 3, 2024 – Greenville Village Hall, W6860 Parkview Drive, Greenville, WI 54942

December 4, 2024 – City of Eau Claire WWTP, 1000 Ferry Street, Eau Claire, WI 54703

December 5, 2024 – Chetek Fire Station, 1224 Railroad Avenue, WI 54728

- 8:00 – 9:00 **Introduction to and Overview of Pumps**
- 9:00 – 10:00 **Submersible Pump Parts and Functions**
Key components covered include: Terminal Boards, Stator/Cable Connections, and Cable Entry.
- 10:30 – 10:30 **Motor Overview**
This section will cover Pump Rotation, Nameplate Data, and Housing.
- 10:30 – 11:00 **Stator Overview, Removal, and Installation**
Motor winding and insulation will be discussed.
- 11:00 – 11:30 **Motor Maintenance**
Maintenance strategies for bearings, shafts and rotors. Special tools and cooling systems will be discussed.
- 11:30 – 12:00 **Dry Motor Compartments**
- 12:00 – 1:00 **Lunch (Provided)**
- 1:00 – 1:30 **Hands-on pump Demonstration**
- 1:30 – 2:00 **Pump Components Demonstration**
- 2:00 – 3:00 **Tear down and Rebuild of Pumps**

Course Instructor: Joshua Voigt, *Xylem, Inc.*

Course material will include PowerPoint Presentations, videos, and hands-on activities. The textbook used for all classroom lectures will be The Flygt Pump “Product Education Manual” and can be taken with the attendee at the end of the course. Dress will be casual – the handling of some equipment may be dirty.

Pre-Registration is required for this class.

Complete the form below and return to WRWA.

___ **December 3, 2024** – Greenville ___ **December 4, 2024** – Eau Claire ___ **December 5, 2024** – Chetek

Name _____ DNR Certification Number _____

System/Employer _____

Address _____

City, State _____ Zip _____

Phone _____ Email _____

Send form to: WRWA, 350 Water Way, Plover, WI 54467 For more information: Phone: (715) 344-7778 Email: wrwa@wrwa.org