

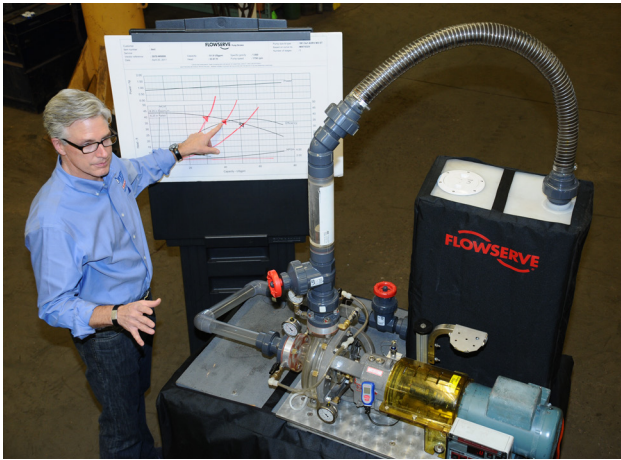


CATALOG OF TRAINING



View our catalog online at
www.cummins-wagner.com/state/new-york/training-events/
585-482-9640

YOUR EDUCATIONAL RESOURCE



Drawing on a wealth of engineering and service expertise, Siewert Equipment offers accredited seminars and training for engineers & operators.

With professional licensing credits provided by the Practicing Institute of Engineers (PIE), the NYS Dept. of Environmental Control (DEC), and the NYS Dept. of Health (DOH), we can help you stay on the cutting edge of the industry.

EXPERIENCED TRAINERS

- Our instructors have over 350 years of combined industry experience

HANDS-ON TRAINING

- Many of our seminars include live demos with glass-faced pumps and hands-on training



WE COME TO YOU

- We offer 1-2 hour lunch & learns at your location or through webinar format
- We provide coordination and instructors
- We handle the paperwork and approval process for accreditation
- We also host several 4-6.5 credit hour seminars every year across Upstate New York



● Nutrient Removal and Recovery Solutions

Credits: 1 PDH; 1 DEC; 1 DOH

Description: A comprehensive review of conventional and biological (BNR) and enhanced (ENR) nutrient removal solutions for liquid and side streams treatment trains at a water resource recovery facility.

● A-B-Ease of Valve Automation

Credits: 1 PDH; 1 DEC; 1 DOH

Description: Introduction to the different types and applications for electrical actuators for water and wastewater treatment plants.

● Wastewater Aeration

Credits: 1 PDH

Description: Aeration is the largest energy user at most municipal wastewater treatment plants. The one hour presentation will include basic "Aeration 101", as well as a review of alternate technologies that can achieve the desired results.

● Metering Pump Technology

Credits: 1 PDH; 1 DEC; 1 DOH

Description: This course is designed to introduce engineers to metering pump technology, which is used frequently in disinfection.

● Thickened Aerobic Digestion Process

Credits: 1 PDH

Description: Overview of Thickened Aerobic Digestion Process technologies: G-TAD, M-TAD & Mem-TAD as well as results from existing operating plants.

• **Mag Drive and Power Monitor Pump Demo**

Credits: 1 PDH

Description: This course is designed to illustrate how a live demo centrifugal pump runs on its curve and how a power monitor can keep a pump running in its optimal performance range.

• **Air Control in Liquid Transmission Systems**

Credits: 1 PDH; 1 DEC

Description: This course will provide an overview for the various types of issues when there is air in a wastewater or water line. It will describe the different types of equipment available to remove air from a pipeline.

• **Choosing the Right Blower Technology for your WWTP**

Credits: 1 PDH

Description: This course will provide an overview of each type and style of blower technology, what type of WWTP should use a specific technology and what the advantages and limitations of each are.

• **Screen Selection, Hydraulics & Screenings Handling**

Credits: 1 PDH; 1 DEC

Description: This presentation will review types of screens, screening equipment design, hydraulic considerations and screening handling.

• **Mixing Fundamentals**

Credits: 1.5 PDH hours

Description: The basics of defining the variables required for optimum mixing & the proper selection of a mixer based on process & mechanical guidelines.

• Nutrient Removal and Recovery Solutions

Credits: 1 PDH; 1 DEC; 1 DOH

Description: A comprehensive review of conventional and biological (BNR) and enhanced (ENR) nutrient removal solutions for liquid and side streams treatment trains at a water resource recovery facility.

• Benefits of Progressive Cavity Pumps

Credits: 1 PDH; 1 DEC; 1 DOH

Description: This presentation will provide information to engineers and operators for the design and maintenance consideration when specifying and repairing progressive cavity pumps. It will also review a new and innovative approach to maintaining flow output over the pumps lifespan.

• All About Low Pressure Sewer Systems

Credits: 1 PDH

Description: The fundamentals of low pressure sewer systems & the viability of the systems as a sustainable solution for failing conventional sewer systems. Includes an overview of low pressure sewer systems, system equipment, operation & maintenance overview, & system design principles.

• Engineered Process System Capabilities

Credits: 2 PDH hours

Description: This course will discuss the evolution of packaged systems in the water & wastewater markets from factory built to custom engineered systems & how they can ease future maintenance of equipment, prevent exposure to confined spaces, reduce costs and improve quality.

Submerged, Attached-Growth Bioreactor Process

Credits: 1 PDH; 1 DEC

Description: Attendees will learn about this process that utilizes a Biologically Active Filter (BAF) operating as a sequencing batch reactor. The reactor maintains a high fixed film biomass concentration averaging an equivalent of 12,000 Volatile suspended solids per liter. A system with a small footprint with superior treatment results.

Mechanical Dewatering Optimization

Credits: 1 PDH; 1 DEC; 1 DOH

Description: This course will help you understand two mechanical dewatering options, including belt filter press and decanter centrifuge. The differences between each option and process variables are also covered to assist in determining which option better suits your needs.

Screen Technologies Continuous Band Fine Screening

Credits: 1 PDH; 1 DEC; 1 DOH

Description: This course will familiarize the participants briefly with the various types of headworks screens, and to provide further detail on center flow and through flow continuous band screens.

Blended Blower Technologies

Credits: 1 PDH; 1 DEC; 1 DOH

Description: In this course, you will learn how to implement blended blower technologies and operate them correctly to reduce capital and operating expenses.

Gorman-Rupp Factory Training

Credits:

PDH 6 hours; DEC 9.5 hours

Description:

This training will help those attending to better understand the concepts and interaction of the different types of pump curves, what NPSH and cavitation are and the different type of pumps are available. It will also educate the operators on how to take proper gauge readings and interpret them. This will empower them to properly troubleshoot their systems and keep their plant running more efficiently.

A Deep Dive Into Pressure Sewer System Ownership Costs

Credits:

1 PDH; 1 DEC

Description:

This course will provide supporting documentation of real-time costs of ownership and capital cost planning to fit the asset management goals of wastewater collection system managers.

Fundamentals of Pumping

Credits:

4 PDH hours

Description:

The glass face pump is a live demonstration that simulates suction and discharge/cavitation and air entrainment as well as moving conditions of service. Attendees will work together to tear down a pump and put it back together, teaching them maintenance and the critical parts of the pump to check periodically. The packaged lift station demo provides an overview of basic pump hydraulics, how to determine NPSH and system head curve, and troubleshooting.

Mechanical Seals Basic Training

Credits:

1 PDH

Description:

The subject matter covers mechanical sealing devices and proper use in a pump system to improve rotating equipment.

*** DEC and DOH credits are provided on an as-needed basis, just let us know if you're interested in specific credits for a training.*

• **Parallel Series Pumping**

Credits: 1 PDH; 1 DEC; 1 DOH

Description: This course will help you to understand system hydraulics with regard to Series, Parallel and Parallel-Series pumping in a collection system.

• **Providing a Sustainable Solution for Sewer Renewal with Pressure Sewer Systems**

Credits: 1 PDH; 1 DEC

Description: Pressure Sewer Collection Systems use individual residential pumps to convey wastewater flow to a central treatment system, lift station, gravity sewer, or force main. This course will cover the history, overview, advantages, considerations, and operation and maintenance of Pressure Sewer Systems.

• **Total Blower Control - Optimizing Your Process Correctly**

Credits: 1 PDH; 1 DEC; 1 DOH

Description: In this course, you will learn about the opportunities to automate WWTP to reduce capital and operating expenditure while avoiding difficulties when implementing automation.