



TRAINING CATALOG 2024



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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



• **A Review of Chemical Feed Pump Technology and Chemical Feed Systems**

Credits: 1 PDH

Description: A review of chemical feed pump technologies and chemical feed applications.

• **Above Ground Self-Priming Pump Stations**

Credits: 1 PDH; 1 DEC

Description: Students will leave with the knowledge of important design features that will lead to improved operation and above ground self-priming package selection for collections systems. They will also learn important pump and system package features that will help to improve the reliability of these units.

• **Advances In Telemetry**

Credits: 1 DEC

Description: Telemetry and scada training relates to operation/maintenance/management of a water/wastewater operation/distribution system because it is a means by which collecting and monitoring real-time data, scada shows an overview of how each key piece of equipment in the system is performing.

• **Benefits of Progressive Cavity Pumps**

Credits: 1 PDH; 1 DEC

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.

*** 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.*

Centrifugal Pump and System Curves

Credits: 1 PDH; 1 DEC

Description: Participants will learn the basics of centrifugal pumps, various pump designs, and key design differentiators. A hands-on demo will teach pump and system curves and their interactions using real-time “what if” scenarios. NPSH; a difficult concept to understand will be taught via PPTs, and viewed in the demo. We will engage students in conversation to further reinforce the subject matter.

Clarifiers

Credits: 1 DEC

Description: Wastewater Treatment Plants use clarifier pump systems for many different applications. This seminar will address how to select, apply, optimize and maintain various types of clarifier pump systems.

DBP Prevention & Treatment Optimization

Credits: 1 PDH; 1 DEC

Description: This presentation provides an overview of DBPs, including formation, compliance regulations, prevention, treatment optimization strategies, and available technologies. Case studies will also be reviewed. It offers valuable information for water professionals to apply in their daily operations, ensuring the best potable water quality.

Decentralized Wastewater Treatment Designs With a Focus On Biologically Active Filter Technology

Credits: 1 PDH; 1 DEC

Description: Discussion of the advantages for biologically active filter technology and design considerations for decentralized wastewater treatment systems for nutrient removal.



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• Submersible Pump Stations

Credits: 1 PDH; 1 DEC

Description: Knowledge of important design features that will lead to improved operation and submersible pump selection for collections systems. They will also learn about design considerations for wet well geometry designs that will reduce pump clogging.

• Unattended Operation Using Remote Monitoring and SCADA Optimizes Dryer Capacity and Performance

Credits: 1 PDH; 1 DEC

Description: This presentation will provide an understanding of how dryer operation can be optimized using SCADA and remote operations so as to maximize the operational up time of equipment and provide a more efficient use of biosolids equipment.

Engineer's Day At The Factory

Credits: 1 PDH; 1 DEC

Description: The engineers will be touring a local manufacturing facility. The Environment One Corporation manufactures sewer grinder pumpsystems. On the tour, the engineers will walk through the process stopping at various points along the way to understand themanufacturing processes and continuous improvement techniques. Also, the testing and quality assurance areas.

Onsite Hypochlorite & Disinfection Generation

Credits: 1 PDH; 1 DEC

Description: This presentation will provide an understanding of how chlorine can be generated onsite for use in disinfection of water. Example equipment used in the onsite generation of chlorine will also be presented, along with operation and maintenance.

Parallel Series Pumping

Credits: 1 PDH; 1 DEC

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

Positive Displacement

Credits: 1 PDH; 1 DEC

Description: The presenter will explain how positive displacement pumps work, and how they differ from dynamic (centrifugal) pumps, and review specific types and applications of positive displacement pumps.



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• **Pressure Sewer For New Sewer and Sewer Repair**

Credits: 1 PDH; 1 DEC

Description: We will sewer feasibility with a case study, sewer system improvements with a case study and other pressure sewer applications with case studies to backup the presentation.

• **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.

• **Sewage Handling, Self-Priming Factory Pump and System Tour**

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.

• **Sludge Pumping**

Credits: 1 PDH

Description: This presentation outlines the many different sludge applications in a wastewater plant and what pumps can be applied reliably on each application.



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