

CDN Process Instrumentation

OWWCO Water/Wastewater Plant Level Control

General Information

Course Code: CDN-SM2

Length: 1 day

Audience

Water and wastewater technicians

Prerequisites

- MS Windows Expertise

Profile

This is a Director Approved OWWCO course in support of the Water and Wastewater Operator Licensing Program.

We provide state-of-the-art technical instruction, combining hands-on tutorials with theory and the latest in high-tech instrumentation.

This course provides a comprehensive overview of how to set up level measurement and pump/alarm controls and point level switches using radar, ultrasonic, and capacitance technologies.

Objectives

Upon completion of this course, the student shall:

- Develop a general understanding of plant level control in the industry
- Develop or increase knowledge regarding the main technologies available for both continuous and point level measurement

Topics

- Specific level applications within the water / wastewater industry
- Available level technologies for specific applications
- Factors that affect level and measurement
- Level measurement principles
- Theory of operation and programming of differential level control for screen applications
- Theory of operation and programming of level controllers with regard to flocculent vessels
- Theory of operation and programming of radar level controllers with regard to digester level control
- Theory of operation and programming of capacitance level switches for point level back up