

**CEU Evaluation Request
(4 hours water and wastewater)**

Class: Water and Wastewater Field Operations and Safety

Relevancy: Water and Wastewater

Date: Various

Instructor: OAWU Staff

Location: Various

Description: Four hours of classroom training covering multiple aspects relating to the water and wastewater field. Topics will include equipment installation, operations and maintenance, testing, disinfecting facilities, excavation safety and confined space, water sampling and lab, chemical safety, wells, tanks, and water treatment basics. Will also cover water and wastewater office responsibilities like writing policies and procedures, project management, and other basic requirements relating to running a water or wastewater utility.

- 8:00-9:00 (0.1) Distribution and Collections System Operations
- Discussion of Operators responsibilities.
 - Coverage includes water distribution and wastewater collections service pipe types, installation practices, excavation and repairs, pipe flushing, storage tanks, water wells, pumps, motors, hydrants, meters, valves, corrosion prevention, leak detection, instrumentation and control, maps, records, and maintenance.
- 9:00-10:00 (0.1) Safety, Compliance and Lab
- Chlorine and other chemical handling safety.
 - Trenching and pipe laying safety.
 - Direct Responsible Charge person. Personnel responsible for water system.
- 10:00-10:15 Break
- 10:15-11:15 (0.1) Safe Drinking Water Act regulations.
- Water and wastewater plant lab testing requirements.
 - Sampling, analysis and lab equipment.
 - Field sampling.
 - EPA certified lab requirements.
- 11:15-12:15 (0.1) Policies and Procedures
- Discuss necessary policies and procedures for water and wastewater systems day to day operations.
 - Discuss procedures for disinfection of wells, tanks and newly installed mainlines as well as disinfection practices for wastewater systems.