

Basic Wastewater Operations



1.2 CECs, Wastewater Technical

You must attend the entire class to earn the CECs

Class qualifies for 1.2 SHE Engineering. Must take and pass an additional written exam administered at the end of the class to earn SHE credits.

This is a two-day, course will cover the proper operation, maintenance, and procedures for the following wastewater topics. Mathematical calculations associated with each topic will also be covered.

Agenda Day 1: Basic Wastewater Operations

8:30am – Noon	Wastewater Math
Noon	Lunch (provided)
1pm – 4pm	Wastewater Math
4pm	Adjourn



Agenda Day 2: Basic Wastewater Operations

8:30am – 9:15am	Preliminary Treatment: Grit & Rag removal
9:30am – 10:30am	Primary Treatment: Primary clarifier operation, settling rates, sludge pumping and detention times
10:30am – Noon	Secondary Treatment: Activated Sludge, RBC's, Trickling Filters, Oxidation Ditches, and Secondary Clarifiers
Noon	Lunch (provided)
1pm – 2:15pm	Secondary Treatment Activated Sludge, RBC's and Trickling Filters
2:30pm – 3:15pm	Solids Treatment & Disposal: Aerobic Digesters, Anaerobic Digesters and Land Application of Sludge
3:15pm – 4pm	Laboratory Operations: Suspended Solids, BOD, Phosphorous, pH, Dissolved Oxygen, QAQC
4pm	Adjourn