

Wastewater Operations Review



1.2 CECs, Wastewater Technical

You must attend the entire class to earn the CECs

Instructor: John Holland, MRWA

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

Preliminary treatment: Grit & Rag removal

Primary treatment: Primary clarifier operation, settling rates, sludge pumping, and detention times

Secondary Treatment: Activated Sludge, RBC's, Trickling Filters, Oxidation Ditches, and Secondary Clarifiers

Solids Treatment & Disposal: Aerobic Digesters, Anaerobic Digesters, and Land Application of Sludge

Laboratory Operations: Suspended Solids, BOD, Phosphorous, pH, Dissolved Oxygen, QAQC

Agenda: Day One

8:30am Registration

9am – Noon Wastewater Math

Noon – 1pm Lunch (provided)

1pm – 4:30pm Wastewater Math

Agenda: Day Two

8:30am Registration

9am – 9:45am: Preliminary Treatment

10am – 11am: Primary Treatment

11am – Noon: Secondary Treatment

Noon – 1:00 pm Lunch (provided)

1pm – 2:45pm: Secondary Treatment Activated Sludge, RBC's and Trickling Filters

3pm – 3:45pm: Solids Treatment & Disposal

3:45pm – 4:30pm: Laboratory Operations

Payment/Cancellation Policy: Payment is expected prior to class. Cancellations must be requested at least 3 business days prior to the start of the class or your registration fee will be forfeited. If you cancel least 3 business days prior to the start of class, the full amount may be used as credit toward a future class. You may send a substitute attendee.