

Two Day Wastewater Math



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 class will review wastewater math concepts and help prepare you for the Michigan Wastewater License Exams level “C” & “D”

Agenda Day 1: Wastewater Math

8:30am – 8:45am	Introductions
8:45am – 10am	Foundations
10:15am – 11am	Areas and Volumes Square Circle Cube Cylinder Circumference
11am – Noon	Conversions
Noon	Lunch (provided)
12:30pm – 1:30pm	Flow ($Q=VA$) Formula
1:30pm – 2pm	Detention Time
2:15pm – 3pm	Pounds Formula
3pm – 4pm	Primary Treatment Math Surface Overflow Rate Weir Overflow Rate

**2
DAYS**

Agenda Day 2: Wastewater Math

8:30am – 10am	Activated Sludge Math F:M CRT Return Rates
10:15am - 10:40am	Trickling Filter Hydraulic Loading Organic Loading
10:40am – 11am	RBC Math Hydraulic Loading Organic Loading
11am – Noon	Digester Math
Noon	Lunch (provided)
12:30pm – 1pm	Disinfection
1pm – 2pm	Laboratory Math Specific Gravity TSS BOD Seeded BOD
2:15pm – 3pm	Land Application Math
3pm – 4pm	Horsepower Math