

THREE Day Water Certification Review: Limited Treatment

1.6 CECs, Water Technical (Pending EGLE Approval)

You must attend the entire class to earn the CECs



Michigan Rural Water Association has compiled review courses for those planning to take the water treatment and distribution Certification Test. The course will be instructed by an experienced water operator. The course content has been structured based on the EGLE study guide for waterworks operator certification exams. Concentration will be placed on reviewing math skills, system maintenance, chlorination, sampling, and other areas necessary to help you study for your certification exam. During this review course, your instructor will answer your questions and provide tips on test-taking.

Agenda Day 1: Limited Treatment

8:30am – 10am	Areas, volumes, conversions and how to use formulas
10:15am – 11:45am	Chemical feed, calculating pounds and ppm of chlorine, fluoride, iron and phosphates
11:45am	Lunch (provided)
12:30pm – 2pm	Hydraulic calculations including flow and velocity rates Horsepower calculations, including electrical cost calculations, PSI
2:15pm – 3:45pm	Backwash and Filtration rates Ion exchange and water softening calculations
3:45pm	Adjourn

**3
DAYS**

Agenda Day 2: Limited Treatment

8:30am – 10am	Legislation and regulations as described and outlined in the SDWA
10:15am – 11:45am	Bacteriological Sampling and Analysis
11:45am	Lunch (provided)
12:30pm – 2pm	Disinfection of Drinking Water Pumps and Motors basic maintenance and troubleshooting Water Meters: types and applications
2:15pm – 3:45pm	Cross Connections, correct device for the situation Governing rules and regulations
3:45pm	Adjourn

Agenda Day 3: Limited Treatment

8:30am – 10am	Water System Safety: trenching, confined space, and overall safe practices Dealing with water hardness and softening treatment
10:15am – 11:45am	Fluoride, corrosion control, phosphates
11:45am	Lunch (provided)
12:30pm – 2pm	Customer relations Emergency response plans Record keeping
2pm	Adjourn