

TWO Day Water Certification Review: Limited Treatment

1.2 CECs, Water Technical

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



Agenda Day 2: Limited Treatment

8:30am – 10am	Legislation and regulations SDWA Bacteriological Sampling and Analysis
10:15am – 11:45am	Disinfection of Drinking Water Pumps and Motors Water Meters
11:45am	Lunch (provided)
12:30pm – 2pm	Cross Connections Water System Safety Hardness and softening
2:15pm – 3:45pm	Fluoride, corrosion control, phosphates, water softening and treatment, management issues
3:45pm	Adjourn