

# THREE Day Water Certification Review: S3, S4



## 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: S3, S4	
8:30am – 10am	Areas, volumes, conversions and how to use formulas
10:15am – 11:45am	Water hydraulics including calculating velocity and flow rates PSI and specific well capacity calculations
11:45am	Lunch (provided)
12:30pm – 2pm	Chemical feed, calculating pounds and ppm of chlorine
2:15pm – 3:45pm	Detention time and horsepower calculations
3:45pm	Adjourn

**3  
DAYS**

Agenda Day 2: S3, S4	
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: S3, S4	
8:30am – 10am	Water System Safety: General safety practices for water distribution, including confined space, trenching and excavation
10:15am – 11:45am	Distribution System Materials: Pipes, clamps, fire hydrants, and valves etc.
11:45am	Lunch (provided)
12:30pm – 2pm	Special Distribution Problems: A review of typical and atypical problems commonly encountered in the operation of municipal drinking water systems.
2pm	Adjourn