



Exam Prep for D & F Licenses

October 7 | Sparta, MI

Course #: 4416 | CECs: 0.5 Technical DW

8:00 AM – 8:15 AM	Check-in/ Registration
8:15 AM - 8:30 AM	Course Orientation & EGLE Exam Framework Overview of D & F licenses scope, exam structure, and relationship between exam topics and operational responsibilities.
8:30 AM – 9:45 AM	Applied Math: Hydraulics & Dosage Calculations Applied math, flow calculations, unit conversions, chemical dosage, hardness/softening, and hydraulics used in drinking water systems.
9:45 AM-11:15 AM	Water Treatment Processes & Process Control Coagulation, flocculation, sedimentation, filtration, disinfection, fluoridation, taste & odor, Iron removal, Membrane filtration, & operational troubleshooting.
11:15 AM-11:30AM	Cross Connections Definition, types, causes, prevention and/or correction (devices and when each is used), which agency is responsible for inspections and testing of devices.
11:30 AM – 12:00 PM	Lunch
12:00 PM – 12:45 PM	Monitoring, Sampling & Regulatory Compliance Sampling protocols, laboratory testing, TTHMS, DBPs, MCLs, monitoring schedules, and SDWA compliance requirements.
12:45 PM – 1:30 PM	Pumps, Motors & Instrumentation Operation and maintenance of pumps, motors, and instrumentation used in drinking water systems.
1:30 PM – 2:00 PM	Wells & Source Water Definitions and common terminology; understand groundwater hydrology, monitoring & sampling requirements, pumpage logs, maintenance, etc.
2:00 PM – 2:30 PM	Safety, Emergency Response & Wrap-Up Safety practices, emergency response procedures, contingencies, and final technical review.
2:30 PM – 3:00 PM	Exam-Style Technical Review Application of technical knowledge using exam-style questions across all major subject areas.
3:00 PM	Adjourn

*agenda may be subject to change