



MWWA WATER OPERATOR EXAM PREPARATION COURSE

Review of Advanced Water Treatment – for Grades 3 & 4 Exams

Remote Class via Zoom

Course ID # MWWA 24-010

This 4-week course will present the topics necessary to help prepare individuals for the Grade 3 and 4 Water Treatment exams. This will be done through a series of classroom instruction, weekly homework assignments and a 25-question practice exam on the final week of the course. It will include an in-depth discussion on treatment processes & troubleshooting, water chemistry, water sampling and analysis, and administrative duties. Time will also be spent solving complex math problems involving an understanding of algebra, calculations of chemical dilutions & dosing, filter/backwash rates, horsepower, and financial planning. Students will receive a student binder that will contain the instructional PowerPoints as well as weekly homework assignments. There is no required textbook for this course, but it is strongly recommended that students have access to a reference textbook such as the Sacramento State, "Water Treatment Plant Operations" (Vol. I & II, 7th Edition) or the AWWA "Water System Operations (WSO) Water Treatment" (Grades 3 & 4).

[Note: This course is not the 11-week "Advanced Water Treatment" prerequisite course that is required by the MA Board of Certification prior to taking the T3/T4 exam(s)].

Students attending all 4 classes will be awarded **12.0 TCHs** (Training Contact Hours).

This course is being taught using the Zoom platform. Participants will need to have a reliable highspeed internet connection and computer device with **both video and audio** capability. Please review our Student Expectations for Attending Virtual Training at www.masswaterworks.org/education (Note: An optional practice session will be held on Monday, November 4th @ 7:30 AM for anyone not familiar with using Zoom)

LOCATION: Remote Training Via Zoom
DATES: Fridays, November 8th – December 6th, 2024 (No class on 11/29)
TIME: 7:30 – 11:00 AM
INSTRUCTOR: Dan Laprade, MWWA Training Coordinator
COST: **\$350 Members; \$425 Nonmembers**

AGENDA:	Week #1	Source Water Characteristics & Water Chemistry
	Week #2	Water Sampling & Analysis
		Water Treatment Processes / Troubleshooting
		Water Treatment Chemicals & Characteristics
	Week #3	Equipment Installation / Operation / Troubleshooting
	Week #4	Administrative Duties
		Safety & Security
		Tips for Taking the T3 & T4 Exams
		25 Questions Practice Exam

Registrations must be done on-line (www.masswaterworks.org). If you need registration assistance, please email adminmwwa@masswaterworks.org or call 978-263-1388.