



MWWA WATER OPERATOR EXAM PREPARATION COURSE

***Review of Advanced Distribution Concepts – for Grades 3 & 4 Exams***

**Remote Class via Zoom**

Course ID # MWWA 20-006

This 4-week course will present the topics necessary to help prepare individuals for the Grade 3 and 4 Distribution 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 regulations, equipment troubleshooting, administrative duties and complex math problems involving such things as hydraulics, thrust block design 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 Distribution System Operation and Maintenance Manual" or the AWWA "Water Distribution" Manual (Grades 3 & 4).

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](http://www.masswaterworks.org/education) (Note: An optional practice session will be held on Thursday, September 23<sup>rd</sup> @ 8:30 AM for anyone not familiar with using Zoom)

**LOCATION:** Remote Training Via Zoom  
**DATES:** Fridays, September 24<sup>th</sup> – October 22<sup>nd</sup>, 2021 (no class on 10/8/21)  
**TIME:** 8:30 a.m. – 12:00 p.m.  
**INSTRUCTOR:** Dan Laprade, MWWA Training Coordinator

<b>AGENDA:</b>	Week #1	<b>Source Water, Chemistry &amp; Hydraulics</b>
	Week #2	<b>Pipe Installation &amp; Maintenance</b>
		<b>O &amp; M of: Valves, Pumps, Tanks, Meters</b>
		<b>Cross Connection Control Program</b>
	Week #3	<b>Regulations</b>
		<b>Disinfection, Corrosion Control, Fluoridation</b>
	Week #4	<b>Process Control &amp; Administrative Duties</b>
		<b>Safety &amp; Security</b>
		<b>Tips for Water Operator License Exam</b>
		<b>25 Question Practice Exam</b>

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

*See next page for the TCH Certificate policy and student information release.*

**TCH CERTIFICATE POLICY:**

Students must attend all classes and complete a course evaluation in order to be eligible for TCHs. TCHs will be issued only when full payment has been received.

**PHOTOGRAPH/VIDEO RELEASE AGREEMENT:**

Each weekly Zoom class is recorded. Participation in this course constitutes an agreement by the attendee to allow the Massachusetts Water Works Association (MWWA) to use and distribute of the participant's image in any MWWA-related publication or social media site.