

## **Getting the Most Out of Your Water Storage Tank**

MWWA Course: MWWA 25-001

Storage tanks are dynamic elements in your distribution system, requiring knowledge, maintenance, and protection. They provide fire protection capacity, pressure equalization during peak usage, and are a visible beacon of the distribution system. Properly sizing, maintaining, and operating your storage tanks helps provide optimum water quality to your customers. Understanding terminology, the inner workings of your tanks, when to model, and what data to collect are essential to getting your tanks to work for you and your system.

### **Learning Objectives:**

- Define key water storage tank terminology and explain how each impacts water quality.
- Describe the flow and mixing characteristics within a storage tank and analyze their importance for optimal water quality.
- Evaluate the factors influencing proper water storage tank sizing, including volume, geometry, and thermal modeling, to determine appropriate tank size for a given system.
- Compare and contrast active and passive mixing systems in water storage tanks and recommend appropriate solutions based on specific system needs.

This course is approved for **2.0 TCHs** (Training Contact Hours) for Massachusetts and Rhode Island Drinking Water Operators. It will be 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).

**LOCATION:** Remote Training via Zoom

**DATE:** Tuesday, January 28, 2025

**TIME:** 8:30 – 11:00 AM

**COST:** \$50 Members; \$90 Nonmembers

**INSTRUCTOR:** Elise DuBois, Design Coordinator, Stantec

<b>AGENDA</b>	8:30 – 8:45 AM	<b>Class Overview &amp; Introductions</b>
	8:45 – 9:45 AM	<b>Terminology &amp; How Tanks Work</b>
		<b>Water Quality in Tanks</b>
	9:45 – 10:00 AM	<b>Break</b>
	10:00 – 10:45 AM	<b>Mixing &amp; Tank Sizing Issues</b>
		<b>Important Maintenance Considerations</b>
	10:45 – 11:00 AM	<b>Q &amp; A, Conclusions &amp; Course Evaluations</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.

**ATTENDANCE & TCH POLICY:** Participation of the attendees will be confirmed throughout the Zoom session. Participation and completion of an online evaluation form are necessary to be eligible for TCHs. TCHs will be issued only when full payment is received.