



MWWA EDUCATION SEMINAR
Historical Use & Monitoring of Liquid Chlorine
LIVE IN-PERSON CLASS !!

Course ID # MWWA 23-009, Wastewater ID: BC-2023-3781

It is commonly accepted that no other advancement in water treatment has had the public health impact that the use of chlorine has had. In the late 1800s and early 1900s water borne diseases such as typhoid and cholera were rampant, killing tens of thousands of people every year. In 1908 Jersey City, NJ become the first water system using chlorine. By 1918 chlorinated water was being delivered to 33 million Americans and disease rates plummeted.

This class will provide an historical overview of the use of chlorine and how it is currently used and monitored. It will cover some of the basic chemistry concepts as well as cover the regulatory requirements related to proper chlorination.

Learning Objectives:

- Review the history and chemistry of chlorination
- Learn how to measure chlorine residual
- Understand the regulatory requirements of chlorination

This course is approved for **3.0 TCHs** (Training Contact Hours) for Massachusetts Water and Wastewater Operators

LOCATION: Mashpee Water District, 79 Industrial Dr., Mashpee, MA 02649

DATE: Thursday, November 9, 2023

TIME: 8:30 a.m. – 12:00 p.m.

COST: \$75 MWWA Members, \$135 Nonmembers

INSTRUCTOR: Danny Smith, Director of Strategic Markets
Dan Laprade, P.E., Training Coordinator, MWWA

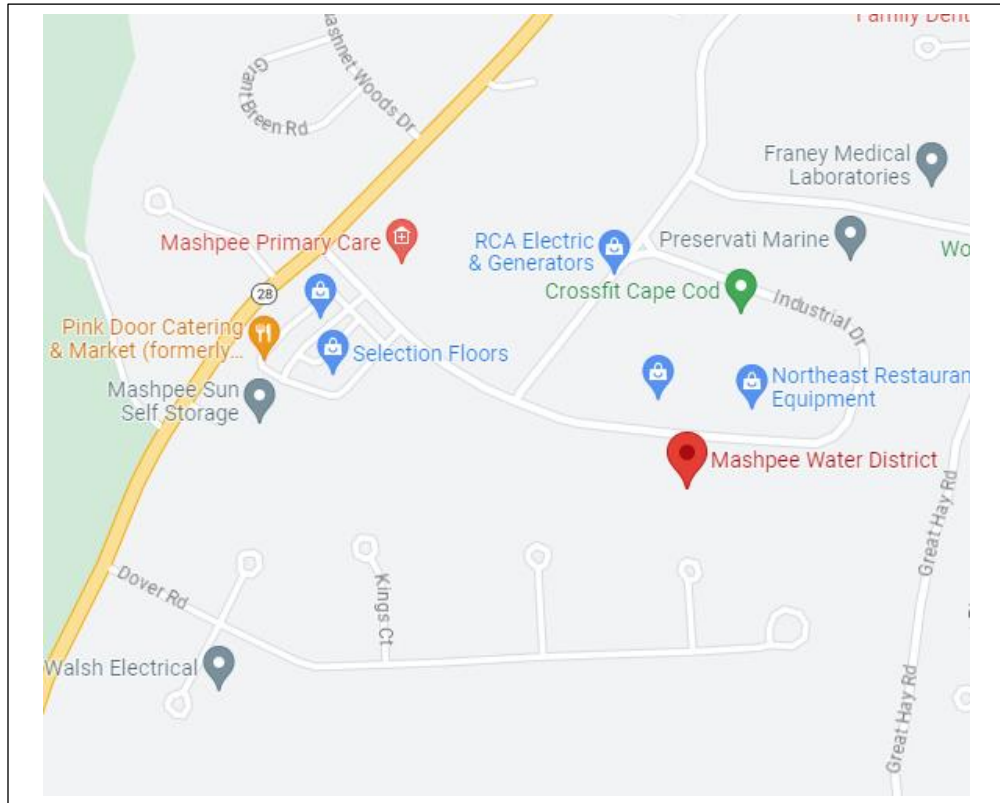
AGENDA	8:30 – 8:45 AM	Registration & Introductions
	8:45 – 9:45 AM	History of Water Treatment & Disinfection
	9:45 – 10:00 AM	Break
	10:00 – 11:00 AM	Chlorine Chemistry & Monitoring
	11:00 AM – 11:45 PM	Regulatory Requirements of Chlorination
	11:45 AM – 12:00 PM	Conclusions & Course Evaluation

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

ATTENDANCE & TCH POLICY: Participants must attend 90% of the program and complete an assessment and a session evaluation form to be eligible for TCHs. TCHs will be issued only if full payment has been received.

See next page for training location map and important participant information.

Mashpee Water District
79 Industrial Dr., Mashpee, MA 02649



Photograph and Information Release:

Participation in this training constitutes an agreement by the attendee to allow the Massachusetts Water Works Association (MWWA) to use and distribute the participant's image in any MWWA-related publication or social media site.