

Fundamentals of Chloramination

MWWA Course: MWWA 26-009

The practice of chloramination is an effective tool for improving distribution system water quality, reducing disinfection byproducts, and maintaining a stable disinfectant residual - but it also introduces a variety of operational challenges. This course provides operators with a practical understanding of chloramination chemistry, distribution system behavior, and the operation and maintenance of chloramination equipment. Participants will learn how to optimize chloramine performance, minimize nitrification risks, and properly monitor and maintain chloraminated distribution systems.

Learning Objectives:

- Understand breakpoint chlorination and chloramine formation
- Recognize nitrification and distribution system impacts
- Develop effective distribution system operational practices and water quality monitoring programs
- Review ammonia feed equipment and critical operation and maintenance considerations

This course is approved for **2.0 TCHs** (Training Contact Hours) for Massachusetts and Rhode Island 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.

LOCATION: Remote Training via Zoom

DATE: Wednesday, September 23, 2026

TIME: 8:30 – 11:00 AM

COST: \$50 Members; \$90 Nonmembers

INSTRUCTORS: Mandu Inyang, Kim LeBeau, MA Water Resources Authority
Aaron Miller, Wellesley Water & Sewer Dept.
Julie Greenwood-Torelli & Katherine Orciuch, Cambridge Water Dept.

AGENDA	8:30 – 8:45 AM	Training Overview & Introductions
	8:45 – 9:45 AM	Chemistry of Chloramination. Benefits and Important Considerations Water Quality Sampling Program
	9:45 – 10:00 AM	Break
	10:00 – 10:25 AM	Impacts When Blending Waters Distribution System Operational Practices
	10:25 – 10:50 AM	Chloramination Equipment Overview & Troubleshooting Tips
	10:50 – 11:00 AM	Conclusions & Course Evaluations

Registration 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: 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.