



Staying in Compliance with the Disinfection Byproducts Rule

MWWA Course: MWWA 21-017

Many water utilities have exceeded or are concerned with exceeding the MCL for Total Trihalomethanes (TTHMs), and/or Haloacetic Acids (HAAs). An understanding of the characteristics and formation of both of these regulated groups of chlorinated Disinfection Byproducts (DBPs) can help utilities develop compliance strategies.

This half day course will provide a brief overview of THM and HAA formation chemistry and some of the common strategies used to reduce and/or remove them at the source, the treatment plant and the distribution system. Valuable information for several case studies will also be presented.

Learning Objectives:

- Understand how chlorinated DPBs are formed.
- Learn about the common DPB control strategies.
- Review case studies of several MA utilities.

This course is approved for **2.0 TCHs** (Training Contact Hours) for Massachusetts 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: Thursday, November 18, 2021
TIME: 8:30 – 11:30 a.m.
COST: \$50 Members; \$75 Nonmembers

INSTRUCTORS: Stephen Olson, P.E., President, H2Olson Engineering, Inc.
Elise Tarnauskas, Process Control Analyst, Springfield Water & Sewer Commission

AGENDA	8:30 – 8:45 AM	Course Overview & Introductions
	8:45 – 9:30 AM	How are Chlorinated DBPs formed & What are the Common Strategies to Reduce DBPs?
	9:30 – 10:00 AM	Springfield Water & Sewer Case Study: Overview of System & Recent Events
	10:00 – 10:15 AM	Break
	10:15 – 10:45 AM	Springfield Water & Sewer Case Study: Options Studied and Long & Short-Term Strategies
	10:45 – 11:15 AM	Highlights & Findings of Other Utilities
	11:15 – 11:30 AM	Q & A, Conclusions & Course Evaluations

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: 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.