



## **An Overview of Water Main Cleaning & Lining Methods**

### **REMOTE COURSE USING ZOOM**

MWWA Course Seminar (Course ID # MWWA 22-010) MA Wastewater BC-2020-3552

Supply chain issues have raised the cost and delayed water main replacement projects across the country which may make the cleaning and lining option a viable solution for some pipeline projects.

This half day remote course will provide an overview of the various methods of cleaning and lining water mains. Valuable information regarding cost, logistical considerations and overall performance will be presented. Representatives from several utilities will also share their insight on projects that they have recently completed and their tips for a successful outcome.

This course is approved for **2.0 TCH** (Training Contact Hours) for both MA Water and Wastewater Operators.

#### **Learning Objectives:**

- Understand the various methods of performing cleaning and lining
- Review the cost and logistical considerations when considering cleaning and lining projects
- Discuss recent cleaning and lining projects and the important lessons learned

**LOCATION:** Remotely Using Zoom  
**DATE:** Thursday, December 1, 2022  
**TIME:** 8:30 – 11:15 a.m.  
**COST:** \$50 Members / \$90 Nonmembers  
**INSTRUCTORS:** Nicholas Bouthilette (Stantec), Chris Walsh (W. Walsh Company Inc.), Ron Glive (Sanexen Water LLC), Sue Rabideau (Project Manager, BCWA)

<b>AGENDA</b>	8:30 – 8:45 AM	<b>Registration &amp; Introductions</b>
	8:45 – 9:15 AM	<b>Overview of Various Cleaning and Lining Methods</b>
	9:15 – 10:00 AM	<b>Cement Mortar Lining (Class I): Planning Design and Implementation Considerations. Utility Case Study</b>
	10:00 – 10:15 AM	<b>Break</b>
	10:15 – 11:00 AM	<b>Structural Liners (Class IV): Planning Design and Implementation Considerations. Utility Case Study</b>
	11:00 – 11:15 AM	<b>Conclusions, Assessment Questions &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:** Participants must attend 90% of the program and complete an assessment and session evaluation form to be eligible for TCHs. TCHs will not be issued until full payment is received.