

Basics of Pipe Corrosion

MWWA Course: MWWA 20-010

A balanced introduction to corrosive environments typically encountered by buried pipelines will give attendees all the information they need to make an informed decision on utilizing available pipeline protection mechanisms, if needed. The decision-making process is guided by the Design Decision Model™ that was developed through decades of research and experience by DIPRA and Corpro, two leading authorities on corrosion prevention across our industry. Internal corrosion issues with DI pipe are a far different ball game than external corrosion. Internal corrosion can, and often is, simply the result of an aggressive fluid being transported within the pipeline.

Learning Objectives:

- Understand the mechanisms of corrosion – four things that must be present
- Understand the types of corrosion – galvanic and more, and oxidation vs. corrosion – there is a difference
- Learn from examining real-life corrosion failures
- Learn about corrosion protection mechanisms
- Learn common potential internal corrosion mechanisms -bacterial and/or chemical
- Understand tuberculation and the role cement mortar linings play in preventing it
- How to determine if a special lining is needed

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

LOCATION: Remote Training via Zoom
DATE: Thursday, November 19, 2020
TIME: 8:30 – 11:15 a.m.
COST: \$50 Members; \$75 Nonmembers
INSTRUCTOR: Jerry Regula, McWane Ductile

AGENDA	8:30 – 8:45 AM	Course Overview & Introductions
	8:45 – 9:45 AM	Basics of Corrosion & Protection for DI Pipe
	9:45 – 10:00 AM	Break
	10:00 – 11:00 AM	Internal Corrosion Prevention for DI Pipelines
	11:00 – 11:15 AM	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.