

Watermain Renovation Using Structural, Semi-structural and Non-structural Lining Systems

This workshop will present various types of watermain lining systems to address hydraulic, water quality and structural issues. The industry's leading experts will discuss strategies to develop highly cost-effective renovation programs for water distribution system. Recent advancements in watermain renovation using polyurea lining systems will be presented. The workshop emphasis will be on the planning, process, design, and QA/QC to ensure successful completion of renovation projects using cured-in-place pipe (CIPP) system. The workshop will be of interest to municipalities, water utilities, consultants, and constructors who would like to develop their expertise in this rapidly evolving field.

Outline

7:30 - 8:00 am	Registration and Breakfast
8:00 - 8:10 am	Introduction
8:10 - 8:40 am	Water Distribution System: Pipe Materials, Degradation Mechanisms, and Performance Issues
8:40 - 9:10 am	Development of Water Distribution System Renewal Program
9:10 - 10:10 am	Classification of Watermain Lining Techniques
10:10 - 10:25 am	Refreshment break
10:25 - 10:45 am	Pipeline Cleaning Methods
10:45 - 11:15 am	Cured-in-Place Pipe (CIPP) Description, History and Overview of Installation Method
11:15 - 11:45 am	CIPP Material Properties and Test Methods
11:45 - 12:30 pm	Lunch
12:30 - 2:30 pm	Design of CIPP Liners
2:30 - 2:45 pm	Refreshment break
2:45 - 3:15 pm	Good Practice Guidelines to Ensure Successful Pressure Pipe Renovation Projects
3:15 - 3:45 pm	Methods to Ensure QA/QC for CIPP Installation in the Field