

## COURSE TITLE

### Rehabilitation of Water Distribution Systems: Current Technologies

#### Course Description

The average age of water distribution systems within the U.S. is between 50 to 100 years. This is right at the design life cycle of many systems, thus local water agencies are investing more and more in the rehabilitation of existing water distribution systems instead of the construction of new systems. We are going to review some of the current renewal techniques for water distribution systems in three key areas, which include repair, rehabilitation and replacement.

#### Course Objectives

After successfully completing this course, you will be able to:

- Define three key definitions of renewal methods
- List at least 4 technologies to rehabilitate water distribution systems that safeguard the health, safety and welfare of the public
- Describe the two different methods for repairing pipes
- Identify the 4 main technologies used in trenchless pipe replacements

#### Outline

- Introduction – 10 minutes
- Repair – 15 minutes
- Rehabilitation – 15 minutes
- Replacement – 15 minutes
- Conclusion – 5 minutes