

CEU Evaluation Request
(2 hours water & wastewater)

Class Title: Leak Detection

Relevancy: Water and Wastewater

Date: various dates

Instructor: Scott Berry, OAWU Staff

Location: various locations

Class Description:

This course is designed to provide you with some basic knowledge of leak detection practices and correlation methods. Students will be instructed in the basics and background theory of leak detection to better utilize basic correlation techniques for distribution and pressure sewer/collection systems. Participants will learn various methods available to identify and find leaks. A variety of equipment will be demonstrated and used to aid students in accurately pinpointing leaks in all types of pipe materials.

Who should attend:

Water and Wastewater works operators and maintenance personnel, utilities staff and supervisors.

8:00 a.m. – 9:00 a.m. (0.1)

Description of leak detecting equipment.

- The importance of leak detection
- Causes and impact of leaks
- Methods for locating leaks and breaks
- How to assess for leaks using correlation survey
- Fundamentals of correlation for leak detection
- Field issues encountered in leak detection
- Types of sensors and when to use them

9:00 a.m. – 10:00 a.m. (0.1)

Specific skills

- Set up for leak detection using acoustics and correlation
- How to listen for a leak
- Selecting and connecting the correct transducer for the pipe type
- Measuring distance for the leak
- Entering parameters for a correlation
- Correlating a leak