

Course Title: **Water Valve Operation and Maintenance**

Contact Hours: 7.0

CEU Value: 0.7

Course Description:

This course prepares water system operators, both novice and experienced, to correctly operate a variety of valves common to typical water systems.

Areas of study include:

- Benefits of proper exercising of water valves
- Essential valve information required prior to exercising
- Commonly encountered valve operational deficiencies
- Corrosion processes that affect valve condition
- Common causes of water valve failure
- Comparison of older gate valves with modern valve technology
- Detailed description of operation of a typical gate valve 'system'
- Definition of water hammer
- Gate valve evolution
- Introduction to gear-activated large diameter valves
- Butterfly valve technology
- Air Valves
- Air management in water systems
- Air valve inspection procedure
- Introduction to Pressure Reducing Valves