

Water Industry Disinfection Basics (3002)

Course Description

This course is designed to provide you with the basic information and safety rules to help you work safely with and around the chemicals that many organizations use in the water disinfection process. This course concentrates on Aqua Ammonia, Sodium Hypochlorite, and Calcium Hypochlorite. We will examine each chemical and the safety procedures necessary for their safe handling and use.

Course Objectives

After successfully completing this course, you will understand:

- The general purpose of the disinfection process.
- The bacteria, viruses and intestinal parasites that contaminate drinking water.
- The factors that influence disinfection and explain how they influence it.
- The types of chemical disinfectants and the advantages and disadvantages of each.
- The dangers associated with Sodium and Calcium Hypochlorite.
- The dangers associated with Aqua Ammonia.
- General safety considerations and practice for the use of disinfecting chemicals.
- The importance of his organization's safety policy.

Agenda

- Safety Policy – 5 minutes
- What are Sodium and Calcium Hypochlorite? – 10 minutes
- The dangers of Sodium and Calcium Hypochlorite – 10 minutes
- Safety Considerations for Sodium and Calcium Hypochlorite – 10 minutes
- What is Aqua Ammonia? – 5 minutes
- The Dangers of Aqua Ammonia – 5 minutes
- Safety considerations and practice for the use of disinfecting chemicals – 10 minutes
- Summary – 5 minutes