

Course Title: Drinking Water Treatment and Troubleshooting Techniques

Contact Hours: 7.0

CEU Value: 0.7

Course Description:

This course is specifically geared to discussion of operational issues concerning a wide range of conventional and advanced drinking water treatment technologies typically found in municipal drinking water treatment facilities. An emphasis is placed on recognition of warning signs and troubleshooting of the various processes. Raw water quality plays an important role in the operation of a drinking water plant and common problems associated with water quality fluctuations are also discussed. Dealing with disinfection by-products, emerging contaminants and waterborne disease outbreaks are covered in the curriculum.

Areas of study include:

- Identify and understand the basic operational concepts of common drinking water treatment equipment
- Awareness of problem areas associated with different types of equipment and troubleshooting of these processes
- Application of advanced water treatment processes
- Formation and treatment of disinfection by-products
- Occurrence and treatment of emerging contaminants
- Prevention of water-borne disease outbreaks

Target Audience:

This course is primarily designed for the more advanced drinking water treatment operator (Class II through IV), but will be of benefit to all water treatment professionals, engineers and inspectors. It is not recommended for personnel exclusively using groundwater.