



O&M Consulting
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F23 Cooling Tower and Water Chemistry

1-Day Seminar

Cost: \$275.00 includes all course fees and student text. (For on-site, call us for price quotes)

Prerequisites: None.

Intended Audience: Operators, Maintenance, Technicians and Management

This course is designed for maintenance or operation personnel who are involved in water testing and operation of the cooling towers in facilities, hospitals, hotels or large fossil power plant.

Common applications for cooling towers are providing cooled water for air-conditioning, manufacturing, and electric power generation. The smallest cooling towers are designed to handle water streams of only a few gallons of water per minute supplied in small pipes like those you might see in a residence, while the largest cool hundreds of thousands of gallons per minute supplied in pipes as much as 15 feet (about 5 meters) in diameter on a large power plant.

Unit efficiency, reliability, and availability can be adversely affected by improper cooling tower operation and chemistry. OMCSI's instructor brings years of hands on experience, top chemical representative and very respected instructor that will give you the facts no bull. The Instructor is an American Society of Power Engineers Licensed Technical Instructor. These instructors must be seasoned instructors and maintain their credentials to carry this esteemed license.

Course Outline:

- Introduction
- Cooling Tower Theory
- Tower Type
- Natural draft
- Forced Draft
- Induced Draft
- Cooling Tower Air requirements
- Cooling Tower Water Distribution
- Cooling Tower Basins
- Water Control
- Algae Growth and Prevention
- Cooling Tower Chemistry

F23-1207