

# **Water Treatment: Operations and Maintenance**

## **Learning Objectives**

Welcome to Operations & Maintenance. In this course, students will learn about chemical feeders, pressure gauges, water meters, pumps, and motors. Specifically, students learn about:

### 1. Chemical feeders

- Types of chemical feeders (liquid, dry, and gaseous feed systems)
- Chemical feeder maintenance

### 2. Pressure gauges

- Bourdon tubes
- How to read & install pressure gauges

### 3. Pumps

- Horizontal Centrifugal Pump
- Vertical Centrifugal Pump
- Submersible Pump
- Positive Displacement Pump

### 4. Water Meters

- Turbine Meters
- Compound Meters
- Magnetic Meters
- Ultrasonic Meters

## **Training Methods**

*Our training methods that will be applied, are interactive learning through the videos displayed on our website, WaterLMS. Attendees will have to take quizzes and tests, as well as being interactive throughout the whole duration of the course. They can not skip forward, and is required to be active for the duration of the course, being able to get the full experience out of our courses and prepare them for the real duties they will encounter.*

*Courses can be taken in a learning plan, all together or be taken individually.*

## **Course Content**

- Operations and Maintenance
- Water Treatment O&M Final Exam
- General Course Survey

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### **Course Outline**

1. *Water Treatment: Operations and Maintenance* 1 hrs

*Self- Paced* Total 1 hrs

### **Student Assessment**

*Upon class completion, students will be tested using an open question & answer session, to ensure there is a general understanding of the materials presented during the course.*

### **Instructor Bio:**

*Is strictly online, so no instructor is needed.*

***Please reach out if you have any questions, or is wanting to take the course yourself, to provide a better understanding of the ones we provide.***