

Water Treatment Plant Fundamentals

Online Training Course

Information Packet

Course:

Water Treatment Plant Fundamentals - OLC

What you will learn:

You will learn to thoroughly understand the basics of how RO Plants Work and the basic tools and knowledge it takes to operate one. You will learn about different types of piping, valves, pumps and other on-stream instruments and what each is used for.

Length:

Nine (9) hours of online training

What you will earn:

David H. Paul, Inc. Certificate upon successfully passing an exam based on the proficiencies learned in this course.

OVERVIEW OF TOPICS

- Plant Services-Air, Water & Power
- Electricity
- Tools
- Piping
- Hand Valves
- Control Valves
- On-Stream Instruments
- In-Plant Analysis
- Pumps

9 one hour training units for this course:

Plant Services-Air, Water & Power

- Introduction
- Air
- Water
- Electricity

Electricity

- Introduction
- Electricity
- Electrical Power
- Circuits
- Circuit Breakers

Tools

- Introduction
- Screwdrivers
- Wrenches
- Pliers
- Other Tools

Piping

- Introduction
- Plastic Pipes
- Metal Pipes
- Pipefittings
- Pipe-Connecting Methods

Hand Valves

- Introduction
- Gate Valves
- Plug Valves
- Ball Valves
- Globe Valves
- Needle Valves
- Butterfly Valves
- Diaphragm Valves
- Three Way Valves
- Pressure Relief Valves
- Check Valves

Control Valves

- Introduction
- Control Loops
- Control Valves

On Stream Instruments

- Introduction
- Measuring Equipment
- Pressure Measurement
- Conductivity Measurement
- Flow Measurement
- Other Measurements

In-Plant Analysis

- Introduction
- Conductivity and pH
- Titrations
- Colorimetric and Spectra photometric Analyses
- Other Analyses

Pumps

- Introduction
- Centrifugal Pumps
- Displacement Pumps