

Water Treatment Plant Fundamentals

OLC111



Online Training

Information Packet

Costs

- \$261 USD
 - Price includes
 - Narration
 - Many illustrations
 - Video clips
 - Animations
 - Pictures
 - Interactive questions
 - Practice exams
 - Final exam
 - Discounts may apply
 - Bundled discount for RO Certification
 - Multiple-course discount
 - Multiple-trainee discount
 - From time to time DHP runs special discounts

Length:

Nine (9) hours

What you will earn:

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

Description:

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.

Overview of Topics

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

Topic Breakdown

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

DHP's Training Methodology

DHP uses the consulting services of a Doctor of Education from Columbia University (Dr. Linda Paul) in the development of its online training courses.

DHP's training methodology includes:

- Short, interesting, interactive lecture sessions using:
 - Lecture slides
 - Video clips
 - Animations
- Pop quizzes to enhance understanding and retention
- Practice exams

Who Should Take This Course

Everyone who works with, or will work with, the reverse osmosis and pretreatment technologies in operating plants needs to know the tips, techniques and proficiencies taught in this online training, including:

- Operators
- Maintenance personnel
- I & C Technicians
- Supervisors/Managers
- Engineers
- Original Equipment Manufacturers
- Service technicians
- More

What You'll Receive

- 9 hours of interesting, easy-to-understand training
- David H. Paul, Inc Certificate upon successfully passing an exam based on the knowledge and proficiencies learned in this course