

Water and Wastewater Minimisation Technologies

RO Specialist Level 3

(Classroom, 1 day)

Seminar Details

- Cost:** Available on request.
- Length:** 1 day
- Dates:** [Visit website](#) for current offerings as well as proposed events.
- Discounts:** Group discount of 10% when registering three or more at the same time.

Daily Schedule

Times	
7:45am	Registration, Coffee/Tea
8:00am	MORNING SESSION 1
9:15am	Stretch Break
9:20am	MORNING SESSION 2
10:20am	Morning Tea
10:45am	MORNING SESSION 3
12:00noon	Lunch
12:45pm	AFTERNOON SESSION 1
1:30pm	Stretch Break
1:40pm	AFTERNOON SESSION 2
3:00pm	Afternoon Tea
3:20pm	AFTERNOON SESSION 3
4:50pm	Summary and Evaluation
5:00pm	Day Close

In partnership with:

Seminar Description

David H Paul Inc. Training:

DHP has trained over 20,000 water treatment professionals worldwide since 1988. Trainees include industry, government and municipal clients.

Seminar Description:

In many places in the world, every year:

- The price of electrical energy increases
- The price to purchase raw water increases
- The price to discharge wastewater increases
- The environmental regulations regarding wastewater discharge increases
- The negative political and local/regional perceptions of water usage and wastewater discharge by industry increases

For these reasons, many companies and industrial plants have a significant economic incentive to minimise water usage and wastewater production. These industries include:

- Oil and gas
- Power generation
- Petrochemical
- Drinking water
- Microelectronics
- Pharmaceutical/Biotech

This advanced seminar covers the existing and emerging membrane technologies that can be used for water and wastewater minimisation, up to and including Zero Liquid Discharge (ZLD). The focus of this seminar is to:

- Understand water and wastewater minimization
- Understand how each of the membrane technologies works
- Understand the applications in which each of the technologies can be used

The existing, fully commercialised technologies covered include:

- Reverse Osmosis
- Brackish Water RO (BWRO)
- High Efficiency Reverse Osmosis (HERO™)
- Seawater RO (SWRO)
- Closed-Circuit Desalination™
- Membrane Filtration
- Microfiltration
- Ultrafiltration

The emerging technologies, either recently commercialised or very nearly ready to be commercialised, covered include:

- Forward Osmosis (FO)
- Electro Dialysis (ED) & Electro Dialysis Reversal (EDR)
- Membrane Capacitive Deionization (MCDI)
- Membrane Distillation (MD)

Who Should Attend?

Anyone responsible for minimising the long-term costs associated with water usage, water treatment, wastewater discharge, wastewater treatment and anyone responsible for complying with environmental regulations, including:

- Supervisors/Managers
- Plant Engineers
- Design Engineers
- Environmental Engineers
- Original Equipment Manufacturers (OEMs)
- Regulatory personnel

What You Will Receive:

Accredited training from David H Paul Inc., a world leader in high-tech water treatment training.

Training based on the extensive experience of the DHPaul trainers, who have trained around the world at countless facilities.

Eight hours of interesting, easy-to-understand theory, blended with practical application gained from years of training and operator experience.

Multimedia training including 3-D animations and customised videos.

A highly illustrated workbook.

Refreshments including M/Tea, A/Tea and Lunch.

Certificate of completion.