

Operation, Control and Maintenance of Membrane Filtration Systems

(OCM MF)

(Level 2 Classroom and Hands-on, 3 days)

Course Details

Cost: \$3,900 (ex GST)

Length: 3 days

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:

Course 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.

DHP strictly maintains its independent status and does not promote any company or product above another.

Course Description:

While the same format is maintained this training does not form part of the DHP accredited Reverse Osmosis Specialist Training but may be used for recertification.

Topics covered include:

1. Membrane filtration overview – including current and emerging technologies, historical perspective and applications
2. Water contaminants – filtration spectrum, turbidity, TSS, SDI, particle counting, coagulation, dissolved and suspended solids
3. Pre-treatment requirements – screening, clarification, aeration, filtration, ozonation, chloramination
4. UF/MF membranes – options, hydrophilicity and hydrophobicity, PES and PVDF, pore size, diameter, pressure and temperature
5. Modules – pressurised and submerged, inside-out v outside-in, vertical v horizontal
6. Operation – dead-end and crossflow, water flux, CEB, CIP, MIT, scouring and fouling
7. Design and design software
8. System operation – normal service, CIP and MW, P&ID tracing
9. Monitoring and Control – pressures, TMP, permeability, resistance
10. Backwash and Maintenance – procedure, aeration, performance trends
11. Monitoring Performance and troubleshooting – sustainable flux, TMP, permeability, resistance, testing, calibration, verification
12. Membrane Integrity – air hold test, sonic test, loading and unloading, pinning and repair

While the topics covered in this training are the same at every location the practical, hands-on components we can cover depends on the host site and what is available at their facility.

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:

Training accredited by 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.

Interesting and 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.

Action

Contact us (training@amsts.com.au) to find out more information or to arrange an invoice and secure your places(s).