Reverse Osmosis Monitoring and Troubleshooting

Venue Information

Venue: London UK

Place:

Start Date: 2026-03-24

End Date: 2026-03-28

Course Details

Net Fee: £4750.00

Duration: 1 week

Category ID: METC

Course Code: METC-23

Syllabus

courses Overview:

The Reverse Osmosis Monitoring and Troubleshooting courses offers comprehensive training on the principles, techniques, and practices involved in monitoring and troubleshooting reverse osmosis (RO) systems. Participants will gain valuable insights into the operation of RO systems, learn effective monitoring strategies, and develop troubleshooting skills to address common issues and optimize system performance.

Objectives:

1. Understand the principles of reverse osmosis and its application in water treatment.
2. Learn the importance of monitoring RO systems and the key parameters to track.
3. Develop proficiency in interpreting monitoring data and identifying potential issues.
4. Acquire troubleshooting techniques to diagnose and resolve common problems in RO systems.
5. Enhance system efficiency and reliability through effective monitoring and troubleshooting practices.

courses Content:

- Applications of RO in Water Treatment

Day 2: Monitoring Parameters and Instrumentation

- Key Parameters for Monitoring RO Systems
- Introduction to Monitoring Instruments
- Monitoring Strategies and Frequency

Day 3: Interpretation of Monitoring Data

- Understanding Monitoring Data Trends
- Identifying Normal vs. Abnormal Operating Conditions
- Analysis of Performance Indicators

Day 4: Troubleshooting Common Issues

- Common Problems in RO Systems
- Diagnosis of Fouling, Scaling, and Membrane Damage
- Troubleshooting Techniques and Solutions

Day 5: Optimization and Preventive Maintenance

- Strategies for System Optimization
- Importance of Preventive Maintenance
- Case Studies and Real-World Troubleshooting Scenarios