Water Treatment & Reverse Osmosis Units

TO131

Course Overview:

This course is theoretically oriented, with a five days workshop on the last day where participants will be able to apply their newly acquired knowledge through the review of real-life case studies.

Course Objective:

-Assist your employer in meeting stricter environmental legislation
-Understand the importance of a well-designed and operated pre-treatment system, upstream of your RO plant, to increase overall plant reliability and lower operating costs
-Monitor key performance indicators and avoid data clutter
-Predict fouling conditions before they bring down your plant or downstream process, costing you production losses and costly membrane replacements
-Troubleshoot RO systems and associated pre-treatment determine what constitutes a successful chemical-cleaning regimen to maximize membrane life

Course Outline:

-Introductions Ro Water Treatment
-Desalination With Reverse Osmosis
-Pre-Treatment To Minimize Problems
-Application Of Reverse Osmosis In Brackish Water Treatment
-Scaling And Particulate Fouling
-Pretreatment Of Host's Ro Unit
-Application Of Ro On Freshwater And Production Of Demi Water For Industry
-Biofouling
-Pretreatment Operation, Maintenance, Control & Monitoring

Who Should Attend:

-Facility/utility Technicians
-Environmental Technicians
-Operating and maintenance personnel or anyone requiring a working level knowledge of the theory and practice of reverse osmosis plants

Training Language:

Eng/Ar

Training Methodology:

-Presentation & Slides
-Audio Visual Aids
-Interactive Discussion
-Participatory Exercise
-Action Learning
-Class Activities
-Case Studies
-Workshops
-Simulation