



## Reverse Osmosis Monitoring and Troubleshooting Training

### Description

#### Introduction

The purpose of the “Reverse Osmosis Monitoring and Troubleshooting” training course by Accu Learn is to provide the water treatment professional, from the inexperienced to highly experienced, with an advanced understanding of how to monitor and troubleshoot a reverse osmosis system.

Being equipped with this knowledge allows operators, engineers, maintenance personnel, and managers to use their own intellect, experience, and creative abilities to identify, evaluate and troubleshoot many situations that arise.

#### The main topics that are covered include the following:

- On-stream instruments needed for proper monitoring
- Hand?held/bench instruments needed for proper monitoring
- Daily Monitoring
- Weekly Trending
- How to Use Free Monitoring Software for weekly trending
- Monthly Monitoring
- Startup & Intermittent Monitoring
- Performance Changes With Scaling, Fouling & Chemical attack
- Pretreatment Monitoring
- Chemical Cleaning Monitoring

#### The Outlines

- On-stream instruments needed for proper monitoring Single stage RO units
- Multi-stage RO units
- Double pass RO units
- Conductivity pH
- Pressure
- Flow

- Temperature
- ORP
- SDI
- Hand-held/bench instruments needed for proper monitoring pH
- Conductivity Chlorine
- Sulfite
- SDI
- Silica
- ORP
- Pressures
- Flows
- Conductivities
- pH
- Temperature
- Silt Density Index (SDI)
- Free & Total Chlorine
- Sulfite
- Pressure drops
- Recovery rate
- Normalized Permeate Flow (NPF)
- Normalized Salt Passage (NSP)
- Normalized Pressure Dro

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