



JUSCHEM SOLUTIONS PRIVATE LIMITED

Presents Online Training on

“How to monitor, troubleshoot and Optimize performance of RO Plant to its best?”

The training seminar will feature:

- **Operation monitoring methods for RO system**
- **Soft Logbook – analytics with calculations (algorithms and transfer functions)**
- **Normalization of permeate quality, RO system operation parameters and check points, Shutdown & preservation**
- **What to monitor, what should be the KPI or leading indicators for to understand the performance of RO**
- **Membrane Cleaning and Troubleshooting**

BATCH A: Date....

Delivery Type: Online | Duration: 4 Hours | 1430 Hours to 1830 Hrs IST

Venue: Online through Microsoft Teams



To Register please contact:9907203621 / 7985635683
Email: contact@just-chemicals.com

Professional Training

How to monitor, troubleshoot and Optimize performance of RO Plant to its best?



Introduction

We all have heard about RO but do we all know it's working principle and troubleshooting? Are we operating the RO correctly? Let's see the best practices.

Proper operation and maintenance of Reverse Osmosis (RO) systems are key factors in maximizing long-term plant availability and efficiency with minimized fault-related down times. These key factors must be considered for operation monitoring methods applicable to all RO systems using membrane elements. The Trainer is having extensive knowledge of RO unit installation, operations, troubleshooting and cleaning procedures.

RO Plant Operations plays a vital role in deciding the overall running of various system in the Effluent Recycle, raw water treatment, for various industrial and manufacturing plant. A Proper balance of the water chemistry & Proper operation and maintenance of Reverse Osmosis (RO) systems are key factors in maximizing long-term plant availability, effective and efficiency with minimized down times. This 3 Hours training gives the required knowledge on Why, What, When, Where, With and How of best monitoring and operational practices, This training program will definitely enhance the knowledge of the participants and help the plant to operate more efficiently.

Training Methodology

This training Program will be conducted online, on the lines of workshop principles with formal lectures and interactive examples. This will result in active participation of all delegates. There will be ample opportunities for active and open discussions, and sharing of professional experiences on various industrial applications. We will be using Impartus online platform or equivalent

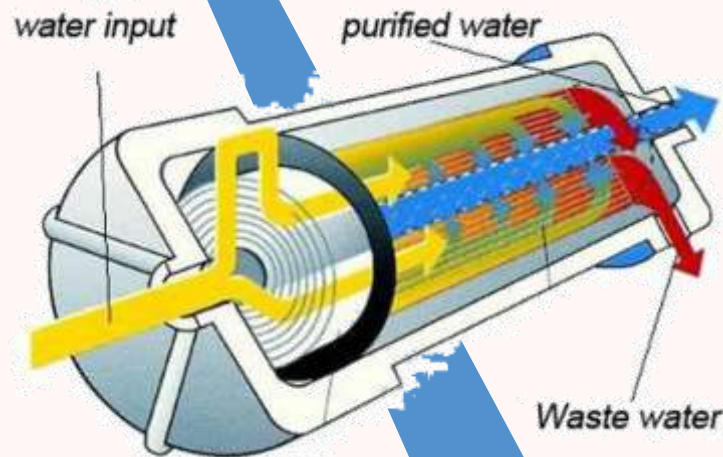
Personal Impact

- Improved confidence when solving problems of RO plant
- Better understanding of what is impacting these failures
- Better knowledge of monitoring methodologies
- Improved personal skills of taking proactive action
- Better ability to troubleshoot difficult situations

Objectives

By the end of this training seminar, the participants will be able to:

- Know the best Monitoring procedure of RO Plant
- Identify cause premature failure of RO membranes
- Identify cause of RO fouling and implement best cleaning practices
- calculate the normalized data through long algorithms and transfer functions
- Inform the right time for cleaning days before he is going to schedule



The knowledge gained in this seminar will:

- Improve the way the RO operation/cleaning is done
- Correlation with the Feed water quality and improvement in RO feed
- Give the delegates skill to analyze the type of membrane fouling and take corrective/preventive action
- Give better insight to the increase life of Membranes
- Avoid downtime of production due to RO plant shutdown

Organizational Impact

- ✓ Membrane failures will significantly reduced if the operation is streamlined as per best practices
 - ✓ Cleaning frequency shall reduce and O&M Cost of RO operation shall reduce.
 - ✓ Understanding of process and can be converted to process driven rather than expert driven system.
- On completion of this seminar the delegates will be able to analyze the various dynamics of RO Fouling & Failures and will be able to suggest corrective and preventive action to avoid costly downtime and improve life of membrane element.

Testimonial

With the knowledge, information and algorithms, we could solve our problem in HERO

.....BPCL i Refinery

Fantastic presentation, we will incorporate in the design itself of any new project

.....Manager TATA Steel

Wonderful methodology and useful practical implementation

.....Head Chemistry JSW



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Who Should Attend?

This training program is suitable to a wide range of professionals but will greatly benefit:

- ✓ Operation, technical production & service professionals
- ✓ Technical professionals responsible for maintenance and repair of equipment, Mechanical maintenance of IPP and CPP
- ✓ Professionals involved in inspection and reliability
- ✓ Technical professionals dealing with risk assessment and integrity analysis
- ✓ Technicians dealing with regulating and metering and other measurements
- ✓ Water Chemistry / Power Plant Chemistry professionals

Expert Profile Mr. S Banerjee – Mr. S Banerjee is a seasoned Power Plant Chemistry and Water Treatment professional with in-hand experience of about 25 yrs after passing M.Sc. Applied Chemistry from Government Engineering College, Jabalpur in 1995. He has worked with India's Pioneer Water Treatment Company and with Giant Private Power Generators in India viz. Tata Power, Adani Power, Jindal Power, LPGCL as HOD Power Station Chemistry and Environment. He has experiences of sub critical and super critical power plants, commissioning-O&M and troubleshooting of water treatment plants, boiler water, cooling water, stator water and waste water. He was also associated with a reputed Institute of Power Technology as a faculty on Water Treatment and Power Plant Chemistry. He has presented many papers on water treatment, power plant chemistry and water management in national seminars and magazines and has also written an academic text book on water treatment - power plant chemistry for regular post graduate degree curriculum of Jindal Institute of Power Technology. He has imparted training to 300+ delegates in last one year and still keeping touch with them and solving their problems. Recently wrote a book "Practical guide to Thermal Power Station Chemistry".

The training courses conducted by Just-Chemicals.com are thoroughly researched and structured by highly qualified & experienced professionals to provide intense and intimate practical training to your organisation.

