

MECHANICAL COURSES

WATER CHEMISTRY AND TREATMENT (M85A)

OBJECTIVE:

This course stresses the basic principles and advanced technologies of water chemistry and treatment with practical applications such as regeneration system, Cation sequence, Anion sequence , boiler water treatment in factories.

WHO SHOULD ATTEND?

This course is recommended for chemical, mechanical and operation engineers, supervisors, and technicians who have basic experience about chemistry water treatment and who are involved in the water treatment industry.

COURSE CONTENT:

- Desalination processes
- Process comparisons
- Description of the MSF desalination plant
- Description of the dosing system
- Description of equipment

Duration: 5 Days

Date:	Venue:	Cost:
May 3-7	Dammam	SR6,000
Nov 22-26	Dammam	SR6,000

WATER TREATMENT (M25A)

OBJECTIVE:

This course is designed to provide detailed knowledge of the boiler, raw, cooling water treatment.

WHO SHOULD ATTEND?

This course is recommended for anyone involved with the operation & maintenance of water treatment.

COURSE CONTENT:

1. Boiler Water Treatment

- Corrosion
- Scale and Carryover
- Dissolved Gas Removal
- All-Volatile Treatment
- Phosphate Chemistry

2. Raw Water Treatment

- Clarifiers
- Filtration
- Zeolite Softening and Evaporation
- Pressure Filters and Reverse Osmosis Units

3. Ion Exchange

- Resin Exhaustion
- Regeneration
- Degasifiers
- Filter Demineralization

4. Cooling Water Treatment

- Corrosion
- Erosion
- Scale
- Biological Fouling
- Chlorine Injection Systems

Duration: 5 Days

Date:	Venue:	Cost:
Jan 5 – 9	Dammam	SR6,000
Jun 21 – 25	Dammam	SR6,000