

Combustion & Boiler Efficiency in Multi-stage Flash Desalination (MSF) Plant

Duration: 5 Days

Course Overview:

This 5-days training course is designed to provide the trainees in a practical understanding of boiler and combustion in MSF plants. The MSF plant operation, maintenance and troubleshooting will be discussed in details. Case studies will be discussed among the trainees

Course Objectives:

Upon successful completion of this course, the participant would be able to

Calculate heat combustion in furnaces, efficiency of the boiler & unit

Who Should Attend?

MSF Water Plant operators and Maintenance team

Course Outlines:

- Course introduction
- Air & fuel composition.
- Chemistry of fire.
- Heat values & chemical reaction calculations.
- Boiler efficiency
 - Direct Method
 - Indirect Method
- Exhaust Gas Analyzing
- Unit efficiency
- Boiler Startup, normal operation and shutdown
- Boiler Maintenance
- Boiler performance Improvement
- Troubleshooting boiler problems
- Case Studies
- Course Recap