

Course Overview:

Water treatment plant operators have vital roles in ensuring the health and well being of the communities in which they service. Some of these services are often taken for granted.

This course is designed to train operators to safely and effectively operate and maintain drinking water treatment plants

Course Objective:

- The basics of water chemistry
- Produced product water treatment options and related treatment equipment
- How to use the knowledge gained to identify typical system problems and be able to propose solutions

Course Outline:

1. THE WATER TREATMENT PLANT OPERATOR
2. WATER SOURCES AND TREATMENT
3. RESERVOIR MANAGEMENT AND INTAKE STRUCTURES
4. COAGULATION AND FLOCCULATION
5. SEDIMENTATION
6. FILTRATION
7. DISINFECTION
8. CORROSION CONTROL
9. TASTE AND ODOR CONTROL
10. PLANT OPERATION
11. LABORATORY PROCEDURES

Who Should Attend:

This course is recommended for technicians and operating engineers (Mechanical and electrical engineers).

Training Language:

EN / AR

Training Methodology:

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