

Learning Topic: Technical (Plant Processes & Operations).

Course Name: Cooling Towers

Reference Code: PLOP 103

Course Overview:

This course is one of the basic training courses for any operation staff member.

A cooling tower is a piece of equipment that uses water, air, and mechanical components to provide a source of cool water. This water carries away the heat generated by other process plant equipment and transfers the heat to the air flowing through the cooling tower.

The cooling towers system must provide sufficient cooling water for all plant equipment.

Course Objectives:

Applying the concepts covered in this training course, delegates will be able to:

1. Describe and categorizes cooling towers.
2. Describe the basic components of cooling towers.
3. Describe the how cooling towers work.
4. Describe how to operate cooling towers systems.
5. Describe how to maintain cooling towers systems.

Training Methodologies:

The training methodology is interactive and is suitable for all employees involved in maintenance and operations management enhancing the following:

- Pre-test and Post-test
- Variety of Learning Methods & examples
- Presentation
- Lectures
- Videos
- Group Work

United Arab Emirates

Emirates Towers, Level 41 Sheikh Zayed Road
Dubai-UAE. P.O Box 3103

Tel.:0097143132317

Kingdom of Saudi Arabia

Khobar Gate Tower
King Fahad Street , Khobar 31952

Tel.: 00966133308334

Kingdom of Saudi Arabia

101 Business Tower, 8th Floor
Al Jubail 35513, Bldg# 9278 ,KSA

Tel.: +966 13 361 5552

Who should attend?

Operation engineers

Operations technicians

Operators

Maintenance technicians

Any interested plant personnel in stores, warehouse, safety, procurement, logistics...etc.

Training Outline:

Day 1:

Course Introduction & Lesson 1: About Cooling Towers and their classifications

Day 2:

Lesson 2: Major Components of Cooling Towers

Day 3:

Lesson 3: Principles of Cooling Towers

Day 4:

Lesson 4: Operating Cooling Towers

Day 5:

Lesson 5: Start-up, shut down & maintaining Cooling Towers & Course Conclusion

Duration: 5 Days

Venue:

Numbers of hours: 30 Hours

Time: 08:00 AM -02:00 PM

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