

Learning Topic: Technical (Plant Processes & Operations).

Course Name: Safety in Industrial Plants (Part I)

Reference Code: PLOP 117

Course Overview:

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

This safety program is specially designed to teach the basics of safety in petrochemical plants. The program is in two parts.

Part 1 course will cover hazards in the workplace, their effect on your health and safety, how to deal with them and protect yourself.

Part II will cover how to use personal protective equipment and how to use fire extinguishers to extinguish fires.

All the information in this program are necessary and very important to human health, so they have to be remembered when performing job tasks inside industrial plants.

Course Objectives:

By the end of the program participants are expected to:

1. Understand the existing hazards in chemical plants
2. Take prevention controls to eliminate hazards in your workplace.
3. Follow safety rules in your workplace
4. Read material safety sheets (MSDS)
5. Prevent fires in the workplace
6. Understand the dangers and risks of chemicals.
7. Prevent accident and act safely all the time

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
- Group Work

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Who should attend?

Operation engineers

Operations technicians

Operators

Maintenance technicians

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

Training Outline:

Day 1:

Course Introduction

Lesson 1: HAZARD RECOGNITION

What is an Accident?

Basic Concepts,

Hazard Categories,

Day 2:

Energy Damage Concept,

Identifying Hazards

Lesson 2: PLANT WORK HAZARDS

Material Handling

Day 3:

Material Handling

Walking & Working Surfaces

Injury Avoidance Signs and Tags

Day 4:

Injury Avoidance Signs and Tags

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Lesson 3: CHEMICAL SAFETY

Chemical Risks to Health

Major Types of Health Hazards

Day 5:

How to Minimize the Risks Caused by Chemicals

Chemicals in the Environment/Waste

Hazard Communication Standard

Material Safety Data Sheet

Course Conclusion

Duration: 5 Days

Venue:

Numbers of hours: 30 Hours

Time: 08:00 AM -02:00 PM

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