

JOB ROLE –STORE KEEPER

Sector – Apparel, Made-Ups and Home Furnishing

(Qualification Pack Code: AMH/Q0501)

Class XI

PSS Central Institute of Vocational Education
Shyamla Hills, Bhopal – 462013 , Madhya Pradesh, India



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UNIT 5: HEALTH AND SAFETY RELATED PRACTICES APPLICABLE AT WORK PLACE

Session 4: Environmental management
procedures, security details, potential accidents and
emergencies

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Session Objectives


The students will be able to:

- Gain knowledge of Environmental management system (EMS), layout of the plant and potential accidents and emergencies.
- Explain about benefits of implementing EMS, objectives of well designed plant layout and Emergency response system.

ENVIRONMENTAL MANAGEMENT SYSTEM

- ❖ An Environmental Management System (EMS) is a framework that helps an organization in achieving its environmental goals through consistent reviewing, evaluation, and improvement of its environmental performance.
- ❖ This approach helps in reducing the risk of non-compliance and improves health and safety practices of the workers.

Basic procedures followed under EMS are as follows –

- 
- Reviewing the organization's environmental goals
 - Analyzing its environmental impacts and legal requirements
 - Setting environmental objectives and targets
 - Establishing programs to meet these objectives and targets
 - Monitoring and measuring progress in achieving the objectives
 - Ensuring employee's environmental awareness and competence
 - Reviewing progress of the EMS and making improvements

Potential Benefits of implementing EMS

- Improved environmental performance
- Enhanced compliance
- Pollution prevention
- Resource conservation
- Increased efficiency leads to reduced costs
- Enhanced morale of workers
- Enhanced image with public, regulators, lenders and investors
- Employee awareness of environmental issues and responsibilities

LAYOUT OF THE PLANT

- Plant layout is the most effective physical arrangements of machines, processing equipment and service departments.
- A good plant layout helps in achieving proper coordination of men, materials and machines.
- Plant layout also affects the security and stability of the company.
- An efficient plant layout should use available space judiciously.

A well designed plant layout helps in achieving the following objectives-

- Proper utilization of available floor space
- Ease of transportation
- Efficient utilization of production capacity
- Reduction in material handling cost
- Reduction in number of accidents
- Provide ease of supervision and control
- Ensures employee safety and health

Plant layout ensures the following measures of safety at the workplace-

- Firefighting equipment list and its placement
- Fire safety plan for evacuation in case of emergency
- Emergency evacuation diagrams (details of emergency escape/exit routes)
- Assembly points at the time of emergency
- Appropriate placement of machineries
- Allocation of proper space for waste disposal
- Proper placement of First Aid Boxes in case of medical emergencies
- Allocation of proper space for drinking water and sanitization facilities

POTENTIAL ACCIDENTS AND EMERGENCIES

- Emergencies and disasters can strike anyone, anytime, and anywhere.
- An incident/potential accident that can occur during the process of production or services if left unintended can lead to injuries, complication leading to disability, death, or prolonged hospital stay for a worker.

Following are some of the most common causes of accidents at the workplace:

Heavy Lifting

Fatigue

Dehydration

Poor Lighting

Hazardous
Materials

Fire Accidents

Acts of
Workplace
Violence

Trips and fall

Stress

Explosions

Chemical spills

Heat Waves

Emergency Response Plan

- The first step when developing an emergency response plan is to conduct a risk assessment to identify potential emergency scenarios.
- The emergency plan should be consistent with our performance objectives.
- When an emergency occurs, the first priority is always safety of life.
- The second priority is the stabilization of the incident.

Summary

In this session you have learnt about Environmental management system (EMS), layout of the plant, potential accidents and emergencies, benefits of implementing EMS, objectives of well designed plant layout and Emergency response system

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