

ENVIRONMENT MANAGEMENT SYSTEM (EMS)

INTRODUCTION

With global warming, pollution and greenhouse gases being discussed on a daily basis, environmental impact is now firmly on the agenda for many organizations as both a corporate responsibility and sustainability issue.

The Environmental Awareness module covers the main issues that face organizations in their attempts to better manage their environment risks by helping managers and employees to understand the part they can play in meeting their organizations obligations and lessen impacts on the environment.

The aim of this module is to describe the major environmental issues facing organizations and help the trainee to understand how they can contribute to reducing environmental impacts. The module was professionally developed for Health and Safety Professionals, Training managers, or anyone with responsibility for health and safety compliance.

OBJECTIVES

- By the end of this training course, the participants should be able to:
- Be familiar with the legal requirements pertaining to the environmental issues in manufacturing industries.
- To understand the aspect of managing schedule waste and waste water generated from manufacturing activities.
- To understand the principle of waste minimization concept.
- Explain the importance of understanding individual and team roles in the security environment in which they operate.
- Describe measures to reduce personal and team vulnerability to a range of threats against their safety and security.
- Build necessary skills so as to become confident of operating relevant equipment and procedures for enhanced safety.

CERTIFICATION

Certification of Attendance will be issued to all participants.

LANGUAGE MEDIUM

English and/or Bahasa Malaysia. The training can be executed in a dual language option.

METHODOLOGY

A combination of lectures, practical, workshops and group discussions. Possibility of site visit activity included.

TRAINING SYLLABUS

Module 1: Current Issues In Manufacturing Environment

- Global environmental issues and solutions.
- Industrial effluent and water resource pollution.
- Schedule waste issues in Malaysia.
- Environmental challenging in manufacturing.
- Your role in preventing pollution.

Module 2: Overview of Environment Legal Requirements

- Environment Quality act (EQA) 1974.
- Regulation under EQA 1974.
- Schedule waste regulation: definition & requirement.
- Industrial effluent Regulation: definitions & requirements.
- Role of Department of Environment (DOE).
- Managing issues of EQA compliance.

Module 3: Waste Water Management

- Environment Quality (Sewage & Industrial Effluents) Regulations 1979.
- Waste water generation in manufacturing.
- Typical plant installation & operation
- Environment impact and aspect from plant.
- Waste water characterization studies & requirement for treatment.
- Managing wastewater treatment
 - ❖ DOE requirement and submissions
 - ❖ Contravention license
 - ❖ Understand treatment quality requirements
 - ❖ Selection on contractor
 - ❖ Basic design of water treatment plant (WWTP)
 - ❖ WWTP operator training and competency
 - ❖ WWTP operations: operational issues

Module 4: Air Emission Management

- Environment Quality (Clean Air) Regulation 1978.
- Typical plant installation & operation.
- Environment impact and aspect from plant.

Module 5: Schedule Waste Management

- Environment Quality (Schedule Waste) Regulation 2005.
- Typical plant installation & operation.

- Environment impact and aspect from plant.
- Manufacturing process & waste generation.
- Storage of schedule waste.
- Inventory of schedule waste.
- Handling of schedule waste.
- Disposal of schedule waste.
- Issues in schedule waste management.

Module 6: Record Keeping & Reporting Requirement (E-Consignment Note)

- For waste and other material received at the facility.
- For waste used on-site at the facility.
- For waste and other material stockpiled at the facility.
- For waste and other material transported from the facility.
- For waste eligible for an exemption.

Module 7: Identification, Classification & Properties of Scheduled Waste

- The procedure of determining whether a specific waste from an industrial source is schedule waste or not.
- The procedure used to specify the type of waste.

Module 8: Packaging, Labeling And Storage Of Schedule Waste

1) Packaging

- Present Packaging Recycling Capacity.
- Increases in Recycling Capacity
- Local Authority and Industry Partnerships.
- The Opinion of Accredited Reprocesses on the Packaging Waste Recovery Notes (PRN) System.

2) Labeling & Storage

- Particularly hazardous substances.
- Peroxide formers.
- Chemical hazardous waste.
- Biohazard waste