



HSE222

Effective Waste Management

Course Introduction:

This course covers broad issues pertaining to the hazard recognition at work sites. OSHA has developed this program to protect the workers working at hazardous sites and devised extensive regulations to ensure their safety and health. This course, while identifying different types of hazards, also suggests possible precautions and protective measures to reduce or eliminate hazards at the work place.

Course Objectives:

Upon successful completion of this course, the delegates will be able to:

- Understand how hazardous materials are handled, identified, and human responses to exposure
- Learn the importance of the Health and Safety Plan (HSP)
- Incorporate knowledge of what to do in case of site emergencies
- Use appropriate safety methods and work practice controls
- Recognize signs and labels that are used to alert personnel of danger involving hazardous material

Who Should Attend?

This course is intended for managers and supervisors who have responsibility for ensuring that the waste produced on site is managed in accordance with legal requirements, focusing on the duty of care of waste. This could range from ensuring that the duty of care is complied with to minimizing waste production and segregating waste prior to recovery/recycling. It will also be of benefit to environmental practitioners who need a refresher.

Course Outline:

Day 1:

Pre-Test

Regulation overview Module:

- About the Occupational Safety and Health Act (OSHAct)
- The Creation of OSHA and NIOSH
- Hazardous Waste Operations and Emergency Response
- Hazard Communication Standard (HCS)

- Understanding OSHA Standards
- Hazardous Waste Legislation (EPA)
- Hazard Definitions

Site Characterization Module

- Site Characterization Introduction
- Off-Site Characterization
- On-Site Survey
- On-Going Monitoring and Hazard Assessment
- Documentation

Day 2:

Toxicology Module

- Response to Chemical Exposure
- Toxic Substance Forms
- Target Organ Poisons
- Routes of Exposure
- Chemical Exposure
- Chemical Interaction
- Exposure Limits
- Protection from Toxins

Hazard Recognition Module

- Hazard Recognition Definitions
- Hazard and Safety Analysis
- Hazard Recognition
- Chemical Health Hazards
- Site and Equipment Hazards
- Environmental Hazards
- Biological Hazards

Day 3:

Personal Protective Equipment Module

- Personal Protective Equipment: Clothing and Ensembles
- Developing a PPE Program
- Selection of Chemical Protective Clothing
- Accessories
- Level of Protection

- PPE Inspection Program
- PPE: Face, Head, Foot, and Hand

Site Control Module

- Site Control Program
- Site Work Zones
- Site Security

Day 4:

Decontamination Module

- Decontamination
- Decontamination Plan
- Levels of Contamination
- Decontamination Methods
- Testing for Effectiveness
- Decontamination Facility Design
- Decontamination Selection
- Emergency Decontamination

Medical Surveillance Module

- Developing a Site-Specific Medical Program
- Medical Surveillance
- Treatment
- Record Keeping
- Program Review

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Day 5:

Fire Protection Module

- The Fire Triangle
- Classification of Fire
- Types of Fire Extinguishers
- How to Use Fire Extinguishers
- Standpipe and Hose Systems
- Automatic Sprinkler Systems
- Fixed Fire Suppression Equipment
- Fire Detection Systems
- Employee Alarm System

Post Test

Course Certificate:

International Center for Training & Development (ICTD) will award an internationally recognized certificate(s) for each delegate on completion of training.

Course Methodology:

A variety of methodologies will be used during the course that includes:

- (30%) Based on Case Studies
- (30%) Techniques
- (30%) Role Play
- (10%) Concepts
- Pre-test and Post-test
- Variety of Learning Methods
- Lectures
- Case Studies and Self Questionnaires
- Group Work
- Discussion
- Presentation

Course Fees:

To be advised as per the course location. This rate includes participant's manual, Hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Course Timings:

Daily Course Timings:

08:00 - 08:20	Morning Coffee / Tea
08:20 - 10:00	First Session
10:00 - 10:20	Coffee / Tea / Snacks
10:20 - 12:20	Second Session
12:20 - 13:30	Lunch Break & Prayer Break
13:30 - 15:00	Last Session