

## Learning Topic: Hazardous Waste Management & Pollution Prevention

### Course Name: 1. Hazardous Waste Operations and Emergency Response. (HAZWOPER)

#### Reference Code : SAF 320

#### Description:

OSHA has developed the HAZWOPER program to protect workers at hazardous sites. These extensive regulations ensure their safety and health when followed correctly.

HAZWOPER training is required for workers that perform activities that expose or potentially expose them to hazardous substances.

This course is specifically designed for workers who are involved in clean-up operations, voluntary clean-up operations, emergency response operations, and storage, disposal, or treatment of hazardous substances or uncontrolled hazardous

waste sites.

#### Course Objective:

At the conclusion of this course, the student will be able to:

- Use Site Characterization to establish problems that may exist in your workplace and measures that can be implemented to eliminate hazards
- Identify hazardous materials existent in the workplace and the possible methods, symptoms and preventative measures of exposure
- Efficiently use the Material Safety Data sheets (MSDS) to identify and properly handle hazardous materials
- Familiarize himself with materials, compounds and mixtures that may present flammable, explosive, chemical or radiological hazards
- Emphasize the importance of personal protective equipment in limiting hazardous exposure
- Establish an effective Site Control Program to limit the risk of exposure to only those working in the hazardous work zone

#### Program Methodology:

This interactive training/workshop provides intense learning opportunities provided through wide ranging presentations, related videos, workshops, etc. The course characterizes sustained interest, enthusiasm and participation displayed by the participants throughout the program.

#### United Arab Emirates

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

#### Kingdom of Saudi Arabia

Khobar Gate Tower  
King Fahad Street , Khobar 31952

#### Kingdom of Saudi Arabia

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

## Who Should attend?

- HAZWOPER Team
- ERP Team
- HSE Team
- Security TReam
- Supervisors

## Course Outline:

### Module 1:

- EPA and OSHA Regulatory Overview
- Hazard Communication (HAZCOM) Standard
- HAZWOPER Site Control & Zones
- General Health and Safety Plan Guidelines
- Hazard Recognition
- Injury Prevention
- Respiratory Protection
- Personal Protection Equipment (PPE)

### Module 2:

- Decontamination Plan and Procedures
- Maximizing Worker Protection from Hazardous Wastes
- Fundamentals that Affect Permeation of Protective Clothing
- Handling Drums
- Explosive and Shock Sensitive Wastes
- Sampling and Staging
- Placards and Labeling
- NFPA Hazardous System Identification

### Module 3:

- Confined Spaces Pre-Entry Procedure
- Offsite Characterization and Records Search
- Toxicology - Chemical Classification
- Perimeter Reconnaissance- On-site Survey
- Interaction with Other Chemicals Dust, Fumes, Mists and Vapors
- Fires and Explosions
- Corrosive Class Chemicals

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- Health Effects of Solvents, Oxidizers and Gases
- Water Reactive Substances and Explosives

**Module 4:**

- Air Monitoring
- Requirements for Devices Sampling Methods
- Air Monitoring Equipment Characteristics
- Active and Passive Sampling Equipment
- Personal Monitors
- Measuring Particles, Gases and Vapors
- Permissible Exposure Limit (PEL)
- Variables of Hazardous Waste Site Exposures

**Module 5:**

- Emergency Response Procedures and Documentation
- Planning and Personnel
- How Teams assist in Emergencies
- Roles of Personnel during Emergencies
- Evacuations and Emergency Decontamination
- Rescue/Response Action
- Implementing Procedures
- Follow up and Documentation

Course Duration	Date	Venue	Course Fee
5 Days			

**Time:** 08:00 AM -03:00 PM

**Numbers of hours:** 30 Hours

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