

Learning Topic: Hazardous Waste Management & Pollution Prevention

Course Name: 3. Spill Prevention and Control

Reference Code : SAF3 34

Description:

Any time hazardous materials are in use, spill prevention and control is an important program. An effective spill prevention program can prevent additional employee exposures to hazardous chemicals.

This course is intended to provide training in basic techniques and control measures for spills containing materials - especially for those responsible for spill cleanup.

This course includes focused training, group discussions, and class exercises. Relevant handouts, including the current EPA SPCC Inspector's Guide and SPCC inspection checklists, are provided to help you understand what the inspectors are looking for.

Course Objective:

At the end of the program, successful candidates should be able to:

- Comprehend the characteristics of spills
- Identify fate of spilled oil
- Assist in SPCC plan development
- Determine impact of spilled oil on ecosystem
- Comply with relevant regulations
- Determine best management practices requirements
- Develop the emergency response plan

Program Methodology:

The course is conducted in a workshop fashion and is based with large capacity of training aid materials and practical sessions; and customized for safety and environmental teams in developing and implementing Spill Prevention program. Sessions include formal presentation, interspersed with directed discussion, workshops and case study. In addition, relevant videos will be shared and commented on.

United Arab Emirates

Emirates Towers, Level 41 Sheikh Zayed Road
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Khobar Gate Tower
King Fahad Street , Khobar 31952

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

Who Should attend?

- HSE team
- Environmental protection team
- Supervisors and managers

Course Outline:

1. Introduction

- Purpose
- Why plan?
- Legal and navy requirements
- Differences between SPCC and contingency planning
- Scope

2. Characteristics and Response of Spills and Hazardous Substances

- Sources and causes of spills
- Behavior on land
- Impacts of an oil or hazardous substance spill
- Fate and effects of spilt oil
- Spill assessment
- Tools & techniques for containment,
- Diverting and recovery of oil
- Equipment maintenance
- In-situ burning
- Dispersant application and response considerations
- Shoreline assessment and cleanup
- Transfer/storage & disposal
- Site safety
- Mechanical containment & recovery
- Waste management
- Oil sampling & evidence gathering
- Wildlife response and habitat presentation

3. Spill Containment

- Spill containment systems
- Undiked area drainage
- Design capacity
- Structural strength.

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- Impermeability
- Compatibility
- Integrity
- Flooding provisions

4. Drainage Control and Treatment Units

- Collection and containment
- Transfer
- Treatment units
- Oil-water separators
- API separator
- Plate separator
- Three-chamber gasoline interceptor
- Other treatment units
- Flow between treatment units

5. SPCC Plan Development

- SPCC responsibilities
- Relevant information and records
- Determination of SPCC plan requirements
- Relevant regulations
- Area evaluation
- Emergency Procedures
- Inspection Procedures
- Preparing the spill prevention plan
- Implementing the spill prevention plan
- Safety and Health
- Standard operating procedures
- Preventive maintenance
- Employee training.

Course Duration	Date	Venue	Course Fee
5 Days			

Time: 08:00 AM -03:00 PM

Numbers of hours: 30 Hours

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