

# OIL SPILL CONTROL

## HSE014

### COURSE DESCRIPTION

The Oil Spill Control course provides comprehensive training on effectively responding to and controlling oil spills. Participants will gain a thorough understanding of oil spill sources, types, and behavior on water. The course covers the ecological and socioeconomic damages caused by oil spills and explores strategies for containment and cleanup. Safety considerations, waste management, and response team organization are also emphasized. This course is suitable for professionals in operations, maintenance, safety, and environmental roles across various industries. By the course's end, participants will be equipped to handle oil spill incidents and manage response efforts efficiently.

### COURSE OBJECTIVES

By the end of this course, participant will be able to:

- To understand the likely sources of oil spill, the different types of oil and how they behave when spilled on water.
- Explanation of the damaged that spilled oil can cause to ecological and socioeconomic resource.
- How to compact oil spill on water with available options.
- How to manage and organize the response team, from command-and-control activities to field operational staff.

### WHO SHOULD ATTEND

Operation, maintenance, safety & environmental.

### COURSE DURATION

5 Working Days

### COURSE OUTLINES

#### 1. Introduction

- Overview of oil spills and their impact
- Importance of oil spill control

#### 2. Causes and Fate of Oil Spills

- Common sources of oil spills
- Factors affecting the behavior and spread of oil on water
- Environmental consequences of oil spills

### 3. Environmental Issues

- Ecological impact of oil spills
- Socioeconomic impacts and consequences
- Legal and regulatory framework for oil spill control

### 4. Response Strategies

- Containment and recovery techniques
- Use of booms, skimmers, and sorbents
- Dispersants and their application
- In-situ burning and other remediation methods

### 5. Inland Response

- Challenges and considerations for controlling oil spills in inland environments
- Techniques for containment, recovery, and cleanup in rivers, lakes, and other inland water bodies

### 6. Safety Issues

- Personal protective equipment (PPE) and safety protocols
- Hazards associated with oil spills and their control
- Emergency response planning and preparedness

### 7. Waste Management

- Proper handling and disposal of oil-contaminated materials
- Environmental considerations in waste management

### 8. Response Organization

- Command and control structure for oil spill response
- Roles and responsibilities of response teams
- Coordination with relevant stakeholders and agencies

### 9. Syndicate Exercises

- Collaborative problem-solving activities related to oil spill control
- Case studies and group discussions

### 10. Drill Exercise

- Practical hands-on exercise simulating oil spill response
- Application of knowledge and skills learned in the course

