

Training Title

OIL SPILL MANAGEMENT & EMERGENCY RESPONSE

Training Duration

5 days

Training Venue and Dates

REF	Oil Spill Management & Emergency		24 – 28 May		
HS035	Response	5	2021	\$5,750	Singapore

In any of 5 star hotel. Exact venue will be informed later.

Training Fees

- 5,750 US\$ per participant for Public Training includes Materials/Handouts, tea/coffee breaks, refreshments & Buffet Lunch

Training Certificate

Define Management Consultancy & Training Certificate of course completion will be issued to all attendees.

Language: English

TRAINING OVERVIEW

TRAINING OBJECTIVES.

The Aim of this course is to provide personnel, who have significant management responsibilities under the relevant contingency plan, with the appropriate management tools to coordinate and supervise response operations and deliver organized and effective response to an oil spill and other major incidents.

At the end of the course, participants should have knowledge of:

- Overview of spill response
- Oil spill behavior, fate and effects
- Containment and recovery of spilled oil
- Dispersants
- Contingency planning, response management and organization
- Spill assessment
- Transfer, storage and disposal
- Liability and compensation
- Top Table exercise

WHO SHOULD ATTEND?

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- Senior Managers and Crisis Management Team
- HSE personnel
- Operational staff & Supervisors

TRAINING METHODOLOGY:

A highly interactive combination of lectures and discussion sessions will be managed to maximize the amount and quality of information and knowledge transfer. The sessions will start by raising the most relevant questions, and motivate everybody find the right answers. You will also be encouraged to raise your own questions and to share in the development of the right answers using your own analysis and experiences. Tests of multiple-choice type will be made available on daily basis to examine the effectiveness of delivering the course. Very useful Course Materials will be given.

- 30% Lectures
- 30% Workshops and work presentation
- 20% Group Work & Practical Exercises
- 20% Videos & General Discussions

COURSE CONTENTS AND TIME SCHEDULE

Day 1

OIL SPILL

- ✦ Introduction to Oil Spill
- ✦ Source of Oil Spill
- ✦ Oil Properties: (density, sp.gr., viscosity, flash point, Pour point, boiling point, solubility, etc.,).
- ✦ Fate of Oil Slick / Oil Slick Behavior.
- ✦ Oil Slick Migration / movement / Reporting spill
- ✦ Assessment the Slick Drift / Quantification of Oil spills
- ✦ Logistics/ Maintenance / Communication

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OIL SPILL INCIDENTS

- ✦ The major Oil Spill Incidents

Amoco Cadiz

Exxon Valdez

Sea Empress

Erika

Prestige

- ✦ Statistics for Oil Spill Incidents.
- ✦ Video movies: Exxon Valdez and Erika – Two major oil spill incidents

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Day 2

EFFECT OF OIL SPILL ON MARINE AND COASTAL RESOURCES

Ecotoxicology
Bioaccumulation and tainting
Recreational beaches and sea areas
Fisheries
Fishing Farming
Seaweed Cultivation
Marine animal
Marine Birds
Coral Reefs
Ports

OIL SPILL CONTINGENCY PLANNING

- ❖ Introduction to Oil Spill Contingency Plan
- ❖ Contingency Plan Elements
 - Hazard Identification
 - Vulnerability Analysis
 - Risk Assessment
 - Response Actions
- ❖ Management of OSCP
 - 1) Combating strategies
 - 2) Containment of oil
 - 3) Recovery of oil
 - 4) Chemical Dispersant
 - 5) Practical and Table top exercises

Day 3

- ❖ Tired Response

Tier I

Tier II

Tier III

- ❖ Granting approval for the use of dispersants
- ❖ In Situ Burning
- ❖ Waste Management-Transfer, storage and disposal
- ❖ GIS

TRAINING, DRILLS AND EXERCISES

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CONTAINMENT OF OIL SPILL

- 1) Introduction to Oil Spill Containment equipment (BOOMS)
- 2) Types of booms
- 3) Physical properties of booms
- 4) Escape of oil from booms
- 5) Deployment of booms
- 6) Mooring of booms

Day 4

RECOVERY OF OIL SPILL

- ✧ Introduction to Oil Recovery Systems
- ✧ Suction Devices
- ✧ Oleophilic Skimmers
- ✧ Induction Devices
- ✧ Pumps
- ✧ Vacuum Trucks
- ✧ Manual Recovery
- ✧ Oil Storage Tanks
- ✧ Debris Removal equipment
- ✧ Safety Precautions
- ✧ Sorbents

ASSESSMENT AND EVALUATION OF OIL SPILL

- ✧ Factors to be considered in Threat Assessment
- ✧ Identification of source and Incident details
- ✧ Aerial surveillance and Remote Sensing
- ✧ Prevention or Reduction of further spillage

Day 5

INTERNATIONAL CONVENTIONS AND LEGISLATIONS

- IMO
- MARPOL 73/78
- London convention
- OSPAR 1992
- OILPOL 54
- SOLAS
- Tanker safety regulations
- Fund
- OPRC

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NOTE:

Pre & Post Tests will be conducted

Case Studies, Group Exercises, Group Discussions, Last Day Review & Assessments will be carried out.

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P.O BOX 45304
ABU DHABI, U.A.E

T +971 2 6264455
F +971 2 6275344

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