DUBAI-UAE

08-12 Dec 2025

Marine Oil Spills – Pollution and Prevention

Why Choose this Training Course?

This **Marine Oil Spills – Pollution and Prevention** training course delivers critical knowledge and skills for professionals involved in marine environmental protection, oil spill response, and maritime operations. Oil spills pose serious threats to marine ecosystems, public health, and economic activities such as fisheries and tourism. Preventing spills and responding effectively requires both technical expertise and organizational preparedness.

The course offers a comprehensive overview of oil spill causes, risk factors, legal frameworks (e.g., MARPOL, OPRC, Kuwait Environmental Protection Law No. 42/2014), spill behavior, response equipment and techniques, and environmental recovery strategies. Participants will engage in real-life case studies, incident reviews, and prevention planning exercises to reinforce learning and support continuous environmental improvement within their organization.

What are the Goals?

- Understand the causes, consequences, and types of marine oil spills
- Learn international conventions, codes, and regulations for oil spill prevention
- Evaluate oil spill risk and implement preventive strategies
- Gain practical knowledge of oil spill response techniques and equipment
- Plan, coordinate, and execute oil spill response and recovery operations
- Promote environmental stewardship and pollution control culture

Who is this Training Course for?

- Marine and environmental engineers
- Port and terminal operators
- Safety, HSE, and environmental professionals
- Marine operations supervisors
- Spill response teams and emergency planners
- Ship crew and offshore platform personnel
- Government regulators and inspection agencies

It is ideal for those working in shipping, oil & gas, marine logistics, and environmental protection.

How will this Training Course be Presented?

This training will use interactive and practical methods to promote understanding and retention. These include expert-led presentations, videos, case studies of major spills, tabletop exercises, spill scenario simulations, and group discussions. Participants will analyze incidents, review equipment deployment, and engage in collaborative planning to improve readiness.

Course Outline

Day One: Introduction: Understanding Marine Oil Spills

- State-of-the-Art of Material and Energy Integration
- Definition, types, and classification of marine oil spills
- Major causes of oil spills (e.g., operational, accidental, illegal discharge)
- Historical oil spill incidents and their impacts
- Physical and chemical behavior of oil in marine environments
- Fate of spilled oil: evaporation, dispersion, emulsification, sedimentation
- Ecological and socio-economic impacts

Day Two: Prevention Strategies and International Regulations

- Overview of MARPOL Annex I and the International Convention on Oil Pollution Preparedness, Response and Co-operation (OPRC)
- Kuwait Environmental Protection Law (Law No. 42 of 2014, amended by Law No. 99 of 2015) – key provisions related to marine pollution
- Role of the Kuwait EPA, KPC, and port authorities in spill prevention and response
- National Oil Spill Contingency Plan (NOSCP) and Kuwait's regional cooperation under ROPME (Regional Organization for the Protection of the Marine Environment)
- Shipboard Oil Pollution Emergency Plans (SOPEP) requirements under Kuwaiti maritime regulations
- Controls for bunkering, bilge discharge, and operational waste in Kuwaiti waters
- Risk assessment and spill prevention planning in local ports and terminals

Day Three: HydroTreating – Oil Spill Response Techniques

- Spill detection and monitoring methods
- Response strategies: containment, recovery, and cleanup
- Booms, skimmers, sorbents, dispersants – types and usage
- Mechanical vs chemical recovery methods
- Oil spill response planning and logistics
- Case studies of successful and failed responses

Day Four: Hydrocracking – Environmental and Emergency Planning

- Environmental sensitivity mapping and shoreline protection
- Contingency planning and tiered response approach
- Training and drills for response teams
- Incident Command System (ICS) in spill response
- Communication and coordination with authorities and stakeholders
- Waste disposal and site rehabilitation after a spill

Day Five: Simulation, Evaluation & Future Developments

- Spill response tabletop exercise
- Evaluation of team readiness and response effectiveness
- Advances in oil spill modeling, satellite detection, and drones
- Industry best practices and innovations
- Final review and course-end assessment
- Action planning and continuous improvement initiatives

Course Completion Certificate

On successful completion of the Training Course, the participants will be awarded with a 5M International Consultancy & Training Company Certificate.

Training Course Prices:

Number of Participants	Course Price
1 participant	KWD 1450.000
2 participants	KWD 1400.000
3 participants	KWD 1350.000
4 participants	KWD 1300.000
5 participants	KWD 1250.000
6 and above participants	KWD 1200.000
