

Hazardous Waste Management and Pollution

Venue Information

Venue: London UK

Place:

Start Date: 2025-12-22

End Date: 2025-12-26

Course Details

Net Fee: £4750.00

Duration: 1 week

Category ID: STC

Course Code: STC-9

Syllabus

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Introduction:

Improper handling and storage of hazardous chemicals pose significant environmental risks, leading to contamination and pollution. This courses aims to address various types of contaminants, their impact, and strategies for minimizing them. It emphasizes the importance of using non-hazardous products and environmentally friendly waste disposal methods.

Objectives:

- Identify types of contamination relevant to your organization.
- Facilitate dialogue on contamination issues and develop regional networks.
- Understand environmental treaties related to contamination and pollution.
- Prioritize contamination problems and waste management in a logical sequence.
- Recognize the link between human health and environmental contamination.

- Definition and impact of contamination.
- Overview of various types of contamination.
- Global environmental issues and treaties.
- Introduction to hazardous and non-hazardous wastes.

Day 2: Management of Contamination and Hazardous Wastes

- Relationship between contamination and occupational health & safety.
- Importance of documentation and hazardous waste regulations.
- Workplace Hazardous Materials Information System (WHMIS) and Material Safety Data Sheet (MSDS).
- Conducting contamination audits and managing waste disposal sites.

Day 3: Contamination and Pollution Prevention

- Exploration & Production, Refining & Transportation.
- Oil spill prevention and modern tanker design.
- Zero Waste (ZW) and Zero Liquid Discharge (ZLD) concepts.
- Pollution control strategies and contingency planning.

Day 4: Life Cycle Management and Environmental Audits

- The 5R's: Reduce, Reuse, Recycle, Recover, and Rethink.
- Proper storage of hazardous materials and ongoing training.
- Updates on ISO 14001, 18001, and 9001 standards.
- Types of environmental audits and their importance.

Day 5: Big Picture Review and Environmental Ethics

- HAZID (Hazard Identification) and HAZOP (Hazard & Operability).
- Environmental ethics and real-life examples.
- Climate change updates and implications for Gulf Coast Countries.