Crude Oil Terminalling Operations
Crude Oil Terminalling Operations

Background:

In addition to our popular “Crude Oil Marketing & Shipping Operations”, a program that is in very high demand, we have identified the need to design another program whose content enables attendees to understand Terminalling Operations.

In crude oil marketing, shipping is critical but how the Oil Terminal works is a dynamic and structured operation. Its technical nature and operational complexity in addition to its importance therefore necessitates that both terminal operatives and their supervisors develop the right understanding of all aspects of the operation.

This is a one week program with a day dedicated for site visit to the biggest Oil Terminal in Northern Europe (Sullom Voe) in Aberdeen, Scotland.

The program set out by providing a comprehensive overview of an oil terminal, followed by the requirements for locating an oil terminal and the critical components of an oil terminal.

We have endeavoured to ensure the inclusion of modern safety requirements expected of an oil terminal as standards in the program content.

Course Contents:

1. Typical Oil Terminal installations & Facilities and their Functions:
   - Storage Tanks,
   - Pumps: Types & Ratings,
   - Power generating plant: Types & Ratings,
   - Control Room,
   - Loading Facilities including S.B.M, B.O.P
   - Communication Network,
   - Accommodation,
   - Quality Control Laboratory
   - Meters: Types & Calibration Methods
   - Others
2. Crude Oil Assay: Analysis for Quality Control Purposes
   - Crude Sampling,
   - Specific Gravity (API):
     - What is API & Why API?
     - The Importance of Temperature in Crude Oil Assay
     - General Crude Oil Quality Certification

3. Crude Oil Metering & Measurement of Crude Quantities:
   - The Tank Farm: Typical Configuration & Features
   - The Effect of Water Content (BSW)
   - Fiscalization of Crude Oil Stock:
     - Effects of Temperature & Density on Measuring (Meters) & Measured Quantity
     - Gauging & Different Methods and Application of Different Correction Factors
   - Understanding Crude Oil Measurement Tables
   - Calculating Fixed Roof Tanks & Floating Roof Tanks.
   - Crude Oil Conversion: Litre vs. Tonnage
   - Gross and Net Crude Volume determination

4. Crude Oil Export Documentation & Processing:
   - Tanker movement information,
   - Official Export Documents,
   - Accounting for Loading & Offloading Volume (Ship/Shore) Differences
   - Sanction Measures
5. Crude Oil Terminal Management Practices

- Types & Groups of Personnel Involved e.g. Terminal Operator, Law Enforcement Agents, Independent Certifying Orgs., Shipping Agents Government Orgs Involved in Petroleum Operations & Mgmt.
- Linkages & Relationships Amongst Various Groups Terminal Operating.
- How to Overcome Function Overlap.
- Demurrages & How to Minimize Occurrence of Demurrages
- Preparing for Tanker Receipts
- Plants, Facilities & Equipments Maintenance: the role of Planned Engineering Maintenance (PEM) & How to Achieve PEM.
- Mooring the Tanker with FPSO & for Berthing including the importance of Tug Boats.
- Force Majeure: When & How to Declare Force Majeure
- How to Minimize Tariff Payment when Using third Party Facilities and/or when Operator Seeks Compensation for Vandalisation.
- HSE Standards in UK Crude Oil Terminal Operations: an Overview

Who Should Attend?

All staff, Supervisors & Managers from all organisations and companies involved in Crude Oil Terminal operations.

Venue:
Aberdeen, Scotland, UK

Tuition:
£3,250 + VAT

5 day program