

Training
Course

Oil Movement, Storage and
Troubleshooting



Course Plan

Course Overview:

Upon the successful completion of this program, participants will gain enough knowledge on oil production and recovery, oil terminals and tank farms, methods of gauging tanks, refrigeration of LPG, oil products specifications, tank mixing, emergency of oil spills, cleaning of crude oil tanks, cleaning of leaded gasoline tanks, work permit system, gas transmission pipelines, pigging operations in crude oil pipelines, quality assurance and control, contingency and safety procedures etc.

Course Objectives:

- ✓ Provide participants with a complete and up-to-date overview of the oil movements and storage operations in modern refineries, marine terminals and oil plants
- ✓ Acquire knowledge on oil production, recovery, dehydration and desalting and be able to understand the description and installation of a tank farm
- ✓ Identify the different types of tank and review and improve the operation of a tank farm
- ✓ Illustrate the process of gas freeing of tanks and vessels and be able to determine the various methods of gauging tanks
- ✓ Describe marine terminal & SPM operations and be able to explain the various product specifications
- ✓ Perform blending, tank mixing, meters and meter proving and cleaning of crude oil and leaded gasoline tanks

- ✓ Identify oil spill emergencies and be able to review the operation and cathodic protection of gas transmission lines
- ✓ Increase knowledge on pigging of crude and gas pipelines and be able to demonstrate the process of ship loading

Intended Audience:

Team Leaders, Project Managers, Refinery Managers, Plant managers, Oil Terminal. Managers/Superintendent/Supervisors, Section Heads, Plant Supervisors, Process Engineers, Mechanical Engineers, Electrical Engineers, Instrumentation/Control Engineers, technical staff and contractor personnel involved in oil movement and storage

Course Outline:

Day One

Overview Introduction

- Oil Production, Recovery, Dehydration and Desalting
- Oil Terminal & Tank Farm
- Types of Tanks
- General Description and Installation of Tank Farm

Day Two

Tanks and Facilities

- Gas Freeing of Tanks and Vessels
- Methods of Gauging Tanks
- Static Electricity
- Crude Oil Processing
- Refrigeration of LPG, Handling and Bulk Storage

Day Three

Blending and Loading Operations

- Marine Terminal Loading: SPM Operations
- Product Specifications and Blending
- Tank Mixing & Tank-Tank Transfer
- Meter Proving and Meter Factor

Day four

Aboveground Storage Tanks

- Emergency of Oil Spills
- Cleaning of Crude Oil and Leaded Gasoline Tanks
- Gauging of Marine Cold Product Tanks
- Gas Transmission Lines: Operation & Cathodic Protection

Day five

Cleaning & Loading

- Pigging of Crude & Gas Pipelines
- Ship Loading and Checklist
- Quality Assurance, Control and Work Permit System
- Review and Presentation of Certificates

Training Fees Details

Course Duration	5 Days
Pre-Schedule	8 - 12 Dec 2024
Venue	Taj Dubai Hotel - Burj Khalifa Street https://taj.tajhotels.com/en-in/taj-dubai/
Training Fees Per Participant	KWD 1200 (One Thousand Two Hundred)
Course Fees Include	<ul style="list-style-type: none"> • Curriculum and Training Handout Original • Completion Certificates • Instructor`s Fees • Lunch Bufett