

# **OIL MOVEMENT, STORAGE & TROUBLESHOOTING**



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**TRAINING TITLE**

OIL MOVEMENT, STORAGE & TROUBLESHOOTING

**VENUE**

Dubai, UAE

**DURATION**

5 Days

**DATES**

13-17 October 2019

**PRICE**

US\$4,000 per attendee including training material/handouts, morning/afternoon coffee breaks and Lunch buffet.

**TRAINING INTRODUCTION**

Upon the successful completion of this course, 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.

This course describes the requirements for efficient, effective, and safe operation of Oil movement facilities. This material is covered by concentrating only on the most commonly applied topics in each case, rather than attempting to discuss everything.

**TRAINING OBJECTIVES**

At the end of the training, the participants will be able to:

- 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.
- DMCT/OL/9/18(Rev3Dt:23/9/18)
- 2
- 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.
- Recognize the role and importance of quality assurance, control and work permit
- system.

## **TRAINING AUDIENCE**

This course is intended for all 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.

## **TRAINING OUTLINE**

### **DAY 1:**

#### **OVERVIEW INTRODUCTION**

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

### **DAY 2:**

#### **TANKS AND FACILITIES**

##### **DMCT/OL/9/18(Rev3Dt:23/9/18)3**

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

### **DAY 3:**

#### **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 4:**

- ☐ Cleaning & Loading
- ☐ Pigging of Crude & Gas Pipelines

### **DAY 5:**

- ☐ Ship Loading and Checklist

- ☐ Quality Assurance, Control and Work Permit System
- ☐ Review and Presentation of Certificates

### **TRAINING CERTIFICATE**

**MAESTRO CONSULTANTS** Certificate of Completion for delegates who attend and complete the training course

### **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