



MO050: Dynamics of Petroleum Depot Operations

Training Description:

This intensive training course is designed for personnel working in the petroleum depot operations seeking to acquire more knowledge on effective handling of depot operations, storage, design standards, depot automation and warehouse control.

Most organisations with growth aspirations have invested significant time and resources in planning their expansion strategies but have not devoted commensurate attention to developing and executing an internal management model along the business chain that has to handle and deal with depot operations management.

The course will highpoint:

- Evaluate the different custody transfer standards in use today
- Analyse the methodology for monitoring and controlling production losses
- Value the dynamics of oil product storage and distribution
- Learn the safety, health and environment aspects of depot operation

Training Objectives:

This training course has been critically designed to address performance challenge in the various segments of the corporate value chain using a new approach that will insight a new thinking of resolving depot operational complexities.

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

- ✓ Understanding the various functions within a petroleum depot
- ✓ Understanding the principles governing depot operations
- ✓ Stocks taking, Accounting and control
- ✓ Product receipts and transfer, custody transfer
- ✓ Tank farm operations, calibration and management

Personal Impact:

- ✓ Deeper understanding and improved ability to critically analyze the methods employed in this industry
- ✓ Become familiar with new the technology and its impact on Petroleum Depot Operations
- ✓ Enhance your understanding of correct tank gauging and custody transfer
- ✓ Technical skills advancement and knowledge to comprehend and carry out storage Depot Equipment Selection
- ✓ Appreciation of the technical, commercial and environmental aspects of Hydrocarbon storage business

Organisational Impact:

The Dynamics of Petroleum Depot Operations course gives the organisation the edge in the growing Storage Tank industry sector by assists the understanding of its impact on the world's energy supply chain. Specifically, the organisation will benefit from competent personnel with enhanced abilities in the handling of depot operations, storage, design standards, depot automation and warehouse control among others.

Training Designed for:

This course is intended for depot personnel managers and supervisors, Facility Operatives, Engineers, Site managers, anybody that has an interest in depot operations or running of a depot.

Training Requirement:

“Hand’s on practical sessions, equipment and software will be applied during the course if required and as per the client’s request.”

Contents can be adapted to your specific wishes. It is therefore possible to focus on specific modules of the training course as per client’s learning needs and objectives. Further, it should be forwarded to us a month prior to the course dates.

Training Program:

DAY ONE:

- ❖ PRE-TEST
- ❖ Introduction
- ❖ Depot Design Standards
 - Depot Design Standards
 - Storage Depot Equipment Selection
 - Storage Profiles and Layouts
 - Storage techniques
 - Fire Prevention and Protection
 - Depot Emergency Preparedness Planning

DAY TWO:

- ❖ Product Receipts and Transfers
 - Loading and receipts
 - Compartment and Products Marine Receipts
 - Quantity / Cargo Grade
 - Normal Loading/ Discharge Flow Rate
 - Pump Performance/Rate
 - Compartment and Products Marine Receipts
 - Quantity / Cargo Grade
 - Normal Loading/ Discharge Flow Rate
 - Pump Performance/Rate

DAY THREE:

- ❖ Procedures
 - Methods of tank calibration
 - Equipment & Calibration
 - Flow calibration
 - Trends in calibration
 - Types of calibration test rigs
 - Tank gauging techniques

DAY FOUR:

❖ Custody Transfer

- Custody transfer
- Stocks Accounting and Control
- Tank management systems
- Leak detection
 - API 1130
- Depot Automation
- Warehouse Controls
- Monitoring and controlling production losses
 - Physical leaks
 - Control valves
 - Meter proven performance

DAY FIVE:

❖ HSE & Effective Handling of Depot Operations

- Risk incurred by flammable products
 - Flash points
 - Flammability
 - Explosive limits - LEL & UEL
- Ignition sources
 - Flames
 - Self-ignition temperature
 - Sparks and static electricity
 - Pyrophoric products
- The Permit to Work system
- Confined Space operations
 - Atmospheric Testing
 - Oxygen deficiency
 - The dangers of Nitrogen

❖ Course Conclusion

❖ POST-ASSESSMENT and EVALUATION

Training Methodology:

This interactive training course includes the following training methodologies as a percentage of the total tuition hours:

- 30% Lectures, Concepts, Role Play
- 70% Workshops & Work Presentations, Techniques, Based on Case Studies & Practical Exercises, Gamification, Software & General Discussions
- Pre and Post Test

Training Certificate(s):

CMCT Internationally recognized certificate(s) will be issued to each participant who completed the course.

Training Fees:

TBA as per the course location - This rate includes participant's manual, hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Note: The 5% VAT (Value Added Tax), will be effective starting 01st of January 2018 as per the new regulation from the UAE Government. The VAT applies for all quotation both for local and abroad.

Training Timings:

Daily Timings:

07:45 - 08:00	Morning Coffee / Tea
08:00 - 10:00	First Session
10:00 - 10:20	Recess (Coffee/Tea/Snacks)
10:20 - 12:20	Second Session
12:20 - 13:00	Recess (Prayer Break & Lunch)
13:00 - 14:00	Last Session

For training registrations or in-house enquiries, please contact:

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