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HS017:
Certified Oil & Gas Firefighting Tactics
(Fire Officers Level)

Training Description:

The oil & gas industry delivers significant benefits to the community, providing much of the energy needed for industrial, commercial and domestic life. A large-scale fire can expose the workers and the community to extreme danger, and can be financially devastating when the cost of destroyed equipment and lost production is tallied. Fire incidents in onshore and offshore oil and gas facilities need to be brought under control very quickly, before a minor mishap results in a major disaster.

This intensive training course covers the major oil & gas emergencies including emergency types, threats, phenomena, collateral damage, event escalation, response challenges and common errors. The course will also cover the 3-dimensional fires that includes pressure-fed fires, old methodologies, hydro-chem basics, hydro-chem techniques and review of hydro-chem capable devices.

Further, the course will discuss the tactical considerations for process and pressure fed events; footprint principles, calculations and methodology application by event; as well as logistics in water supplies, hose deployment, foam stockpiling, mobilization, foam proportioning and distribution.

At the completion of the course, participants will be able to apply the specific tactics for bulk storage flammable liquid fires as well as the tricks of the trade using the SAFE system, piggy-backing streams, hose management, ergonomics, incident and scene management, ICS structures and proper communications.

Training Objectives:

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

- ✓ Apply and gain a good working knowledge on oil and gas firefighting tactics
- ✓ Review the major oil and gas emergencies including emergency types, threats, phenomena, collateral damage, event escalation, response challenges and common errors
- ✓ Recognize the 3-dimensional fires covering pressure-fed fires, old methodologies, hydro-chem basics, hydro-chem techniques and review of hydro-chem capable devices
- ✓ Discuss the tactical considerations for process and pressure-fed events comprising of process fires, vapour cloud control, tactical high-pressure storage areas, closed containers, pipelines and manifolds
- ✓ Describe the footprint principles and carryout calculations and methodology application by event as well as the logistics in water supplies, hose deployment, foam stockpiling, mobilization, foam proportioning and distribution
- ✓ Employ specific tactics for bulk storage flammable liquid fires
- ✓ Illustrate tricks of the trade using the SAFE system, piggy-backing streams, hose management, ergonomics, incident, scene management, ICS structures and communications

Training Designed for:

This course talks about wide understanding and deeper appreciation of oil and gas firefighting tactics for all fire officers.

Training Program:

FIVE DAYS:

- ❖ Introduction

- Program Overview

❖ Review of Major Oil & Gas Emergencies
- Emergency Types, Threats & Phenomena, Collateral Damage & Event Escalation, Response Challenges & Common Errors

❖ 3-Dimensional Fires
- Pressure-Fed Fires, Old Methodologies, Hydro-Chem Basics, Hydro-Chem Techniques, Review of Hydro-Chem Capable Devices

❖ Tactical Considerations for Process & Pressure-Fed Events
- Process Fires, Vapor Cloud Control, Tactical High Pressure Storage Areas & Closed Containers, Pipelines and Manifolds

❖ Footprint 101
- Footprint Principles, Calculation, Methodology Application by Event (Straight Chain Hydrocarbons, Alcohols & MTBE, Crude Oil High-Angle Tease)

❖ Logistics
- Water Supplies, Hose Deployment, Foam Stockpiling & Mobilization, Foam Proportioning & Distribution

❖ Practical Sessions/Site Visit

❖ Specific Tactics for Bulk Storage Flammable Liquid Fires
- Crude Oil, Dike Fires, Fish Mouths, Collapsed Roofs, Flame Ingestion, Vent Fires, Sunken Roofs

❖ Tricks of the Trade
- Using the SAFE System, Piggy-Backing Streams, Hose Management, Ergonomics, Incident & Scene Management, ICS Structures, Communications

❖ Course Conclusion

❖ POST-ASSESSMENT and EVALUATION

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 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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