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FireDos®

foam dosing pumps



monitors & nozzles



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hydrants & gate valves

licensed manufacturers & distributors of:



Dr. STHAMER HAMBURG foam concentrate

Together proudly facilitating the 2014 Storage Tank and Associated Facilities Fire Hazard Management Workshop

Date: 15 – 18 JULY 2014

Venue: SASOL FIRE TRAINING CENTRE - SECUNDA

CPD
hours
awarded by
IFE



Project Coordinators

Presented by; Dr Niall Ramsden
Email: support@dosetech.co.za/www.dosetech.co.za /www.chemsystems.co.za
Hosted by: Dosetech Special Risk Fire Protection & Chemsystems (AECI Company)

Workshop Hours:-

Registration: Monday 16:00 – 19:00. Tuesday: 07:00 – 07:30
Workshop: Tuesday/Wednesday & Thursday : 08:00 am – 17:00
Practical – Friday.

Storage Tank and Associated Facilities Fire Hazard Management Workshop Programme

**4 day course
July 2014
South Africa**

Workshop Programme

NUMBER OF CPD HOURS TO BE CONFIRMED.

*'Delegates will learn
how to assess and
control fire related
risks in flammable
liquid storage tanks
and associated
facilities'*

- Major Tank Fire Incident Case Study
- Fire Hazard Management Process and Principles
- Legislative Trends and Safety Cases
- Fire and Explosion Types and Effects associated with storage tanks
 - Atmospheric Storage Tanks
 - Pressurised Storage Tanks

- Risk Reduction Options for Storage Tanks and Associated Facilities
 - Incident Detection
 - Water Spray Systems
 - Foam Systems for Storage Tanks
 - Portable and Mobile Equipment Issues

Design, operation and maintenance issues will be reviewed with examples of typical practices and pitfalls to avoid.

- *Application Rates*
- *Design Standards and Examples*
- *Proportioning Systems*
- *Foam concentrate selection and procurement issues*
- *Foam storage*
- *System Testing*
- *Monitor application*
- *Environmental issues*

- Storage Tank Fire Protection Design Examples
- Syndicate Exercise – Storage Tank Protection
- Open Forum
- The UK Bunce field Incident and other tank related events
- Bunce field Process Safety Leadership Group Recommendations review
- Tank Fire Incidents from History
- Case Studies on Recent Major Incidents
- Syndicate Exercises

- Preplanning and Exercising Response for Tank Fires
- Specification of Major Incident Response Units (MIRU)
- The LASTFIRE Project
- Fire System Integrity Assurance workshop – Topics to be decided by attendees



Workshop Information

The Workshop will be held at: Sasol Fire Training Centre- Secunda

Delegates are responsible for booking and paying of their own hotel and travel costs.

Fees

R 20,000.00 per delegate
The above prices exclude VAT.

The Workshop fees include instruction, course notes, lunches and refreshments during breaks in classroom tuition.

Flights, accommodation, dinner and transport to and from the venue is excluded and to be arranged by each delegate.

FIRE & SAFETY

DoseTech Special Risk Fire Protection have been supplying fire protection hardware to the African Petrochemical industry for the past 14 years. With the acquisition of Akron Brass & Mueller Co agency in 2010 DoseTech's product range has grown substantially.

DoseTech & Chem Systems first facilitated Dr Ramsden in South Africa in September 2010 with great success, our second workshop was in September 2012 where we were asked to present another workshop in 2013.

DoseTech & Chem Systems are proud to once again host Dr Niall Ramsden in South Africa in July 2014 who will provide a comprehensive reference source of great value to all delegates on return to their job location.

Storage Tank Fire Hazard Management Workshop - Objective

The objective of this Workshop is to provide delegates with an in-depth knowledge of all aspects of assessing and controlling fire hazards in flammable liquid storage tanks.

Who should attend the Workshop?

- Fire Responders
- Fire Engineers
- Loss Prevention Engineers
- Safety Professionals
- Health, Safety and Environmental Protection Agencies

Workshop Lecturers

Our expert fire and safety instructors deliver specialist academic knowledge uniquely combined with practical incident experience gained from working in the field in the Oil, Gas and Petrochemical industry worldwide, with emphasis on refineries and storage terminals.

Dr. Niall Ramsden

Dr. Niall Ramsden joined the loss prevention industry in 1976 having graduated in physics and mechanical engineering. He has been involved in all aspects of fire hazard management for the oil and petrochemical industries and has worldwide experience in active and passive fire protection and detection systems to international standards - including conceptual studies, detailed design and system commissioning. He has carried out training and consultancy projects for major oil/petrochemical companies around the world including fire/safety audits, process safety studies, scenario based emergency resource evaluations and in-house seminars. He is a Chartered Engineer, a Chartered Physicist and a member of the National Fire Protection Association (USA) and CEN (European)* Foam Systems Committees. His detailed CV is available on request. He acted as Project Coordinator for the LASTFIRE Project and is currently fulfilling the same role for the LASTFIRE Update Project.

Optional topics for inclusion into Storage Tank FHM lecture

All lectures will be supported by video and slide presentations and design examples

Delegates will learn about all aspects of the FSIA process and receive guidance on performance standards, testing and maintenance of all fire system types.

Delegates will learn how to develop and monitor performance based standards for fire systems in line with latest international good practices

- FSIA process steps and background to OGP Guidance
- Fire hazard identification
- Fire types and effects

- **Fire and Gas Detection Systems**
- **Gaseous Extinguishing Agent Systems**
- **Dry Chemical Systems**

- Types and applications overview
- Critical Performance Criteria
- Testing requirements
 - Standards
 - Procedures
 - Schedules
- Typical Site Issues

- **Foam Systems**

- Types and applications overview
- Critical Performance Criteria
- Testing requirements
 - Standards
 - Procedures
 - Schedules
- Typical Site Issues

- **Water Spray Systems**

- **Sprinkler Systems**

- **Water Mist Systems**

- Types and applications overview
- Critical Performance Criteria
- Testing requirements
 - Standards
 - Procedures
 - Schedules
- Typical Site Issues

- **Fire Pump Systems**

- Types and applications overview
- Critical Performance Criteria
- Testing requirements
 - Standards
 - Procedures
 - Schedules
- Typical Site Issues

- **Fire Pump Systems**

- Types and applications overview
- Critical Performance Criteria
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 - Procedures
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- Typical Site Issues

- **Firewater Systems**

- Developing Scenario based demands
- System discharge tests
- Testing Requirements
- Assessing test results
- Training and Exercising
- Developing Site Specific Procedures and Record Keeping



Project Coordinators

The Oil and Gas Producers' Association Guidance Note on FSIA is available on website www.ogp.org.uk

The process described in it will be expanded and explained during the workshop

Fire Hazard Management Workshop Secunda – South Africa

DATE : 15 – 18th JULY 2014 – WEEK 29

Booking Form – Please Complete One per Person.

N.B. Please book early to avoid disappointment as space is limited. This form may be copied for additional delegates.

Dr Niall Ramsden , Dosetech & Chem Systems reserve the right to cancel the event in which case a full refund of any fees received will be given.

FULL NAME _____

JOB TITLE _____

ORGANISATION _____

ADDRESS _____

COUNTRY _____

POSTCODE _____

TEL _____

FAX _____

EMAIL _____

**ON RECEIPT OF YOUR BOOKING FORM, WE WILL
SEND YOU AN INVOICE.**

Fire Hazard Management Workshop –

Secunda - South Africa

15 – 18th JULY 2014

(Price excludes VAT)

Please note payment is required to secure booking.

(Payments can be made by bank transfer - please ask for details.)

SIGNED _____

If you have problems
printing this form,
or need further details...
Call us today

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Websites:

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IMPORTANT

Registrations shall only be confirmed on receipt of payment

Cancellations, if notified in writing 45 days prior to the event will be subjected to a 10% administration charge. There will be no refunds for cancellations received less than 45 days prior to the event.

Substitutions can be made at any time, without charge



Project Coordinators