

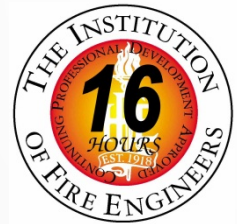


# Practical Tank Fire Fighting and Foam Application Workshop and Hands-on Training

**Date: 20<sup>th</sup> – 22<sup>nd</sup> March 2012**

**Venue: MALAYSIA**

CEFS Response Fire Training Ground,  
Petronas Petrochemical Industrial Complex, Kerteh, Terengganu, MALAYSIA



Project Coordinators

Delivered by  
Resource Protection International (A Company within the Falck Group)  
Walker House, George Street  
Aylesbury. Bucks HP20 2HU. United Kingdom  
[www.resprotint.co.uk](http://www.resprotint.co.uk)

# Practical Tank Fire Fighting Workshop Programme

*All lectures will be supported by video and slide presentations*



**Date:**

**20<sup>th</sup> – 22<sup>nd</sup> March 2012**

**Workshop Hours:-**

**Day 1: 09:00 – 16:00**

**Day 2: 09:00 – 16:00**

**Day 3: 09:00 – 14:00**



This workshop combines classroom sessions with practical fire ground exercises simulating tank fire specific scenarios and has been developed by Resource Protection International from hands-on experience of real tank fires worldwide.

The workshop is designed to enhance fire responder knowledge, skills and experience in dealing with tank related fire incidents and has been awarded 16 CPD hours by the Institution of Fire Engineers for Continued Professional Development



## **Day 1 – Classroom**

- Storage Tank Types & Fire Scenarios
  - Atmospheric Storage Tanks
  - Pressurised Storage Tanks
- Tank Fire Incident Histories / Review
- Full surface Tank Fire Response Options and Major Incident Response Units (MIRU)
- Foam Application Techniques
- Foam System Assurance
- Rimseal Firefighting Tactics
- SCBA Testing and Wearing Refresher

*Delegates will learn about the usage, testing, maintenance and design of fire fighting foam*



## **Day 2 – Fire Ground**

This day will be spent on the fire ground. After issue of firefighting clothing and a safety briefing delegates will have the opportunity to observe or take part in a variety of tank fire related exercises and demonstrations including foam application techniques, boilover and BLEVE simulations, pressure fires, bund fires and rimseal fires.

## **Day 3 – Classroom**

- Emergency Response Planning
- LASTFIRE Project
- Buncefield Terminal Fire Review  
(RPI attended the incident as advisors)
- Feedback / debrief
- Workshop close and Lunch

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



*Photographs show Storage Tank Fire Fighting Practical Exercises held by Resource Protection International at International Venues*

A unique opportunity to experience hands on tank fire fighting during this workshop devised and implemented by Dr. Niall Ramsden and his team of experienced Fire Hazard Management Consultants.

# Falck Fire and Safety



Falck Fire and Safety combines the unique expertise and worldwide operational experience of Resource Protection International with that of Falck in industrial emergency response training

This complementary partnership offers services for all aspects of Fire Hazard Management, specialising in Oil, Gas, Petrochemical and other high risk facilities.

Resource Protection International, a company within the Falck group, has been responsible for the development of much of the current industry best practice guidance in Storage Tank Safety. Our unique workshops aim to give delegates a thorough understanding of the subjects discussed. Tailor-made additional specialist training can also be provided at a client's own facility.

## Practical Tank Fire Fighting and Foam Application Workshop - Objective

The objective of this Workshop is to provide an opportunity for fire responders to receive specialist training in fire response to tank incidents and to carry out fire ground exercises to back up theoretical knowledge. The programme has been developed from the worldwide experience of RPI and will ensure that delegates are updated in the latest techniques in this important field.

The Workshop will describe tank types and potential fire scenarios, drawing heavily from incident experience. The fireground sessions will include demonstrations and hands-on exercises.

### Who Should Attend the Workshop?

- Fire Responders from industrial and municipal brigades
- Fire Engineers with responsibility for developing fire response strategies
- Safety Professionals
- Health, Safety and Environmental Protection regulators

The Institution of Fire Engineers has awarded 16 CPD hours to this workshop for Continued Professional Development



## 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 – Workshop Director

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. He acted as Project Coordinator for the LASTFIRE Project and is currently fulfilling the same role for the LASTFIRE Update Project.

# Practical Exercise Participation Requirements



Delegates will have an opportunity to take part in each practical exercise if they wish to do so.

PPE: Delegates will need to bring their own PPE - Safety boots, hard hat and fire retardant overalls are required. A set of bunker gear is also required. The CEFS Response Fire Training Ground can supply fire fighting bunker gear or delegates can bring their own if preferred.

Delegates should note that competence in the use of dry powder extinguishers is desirable for this workshop.

For the tank rim seal fire exercises, it will be necessary to wear self-contained breathing apparatus (SCBA) and therefore it is mandatory for any delegate wishing to take part in these particular exercises to be competent in the testing and wearing of SCBA as this course does not deliver competence for this apparatus.

A SCBA refresher session will however be provided before the day of the exercise to ensure delegate familiarity with the sets in use at the facility.

Taking part in the exercises is not mandatory and is a decision each delegate may make.

All delegates taking part in exercises must obviously be physically and medically capable of doing so and the facility will require delegates to sign documentation that declares them to be capable of participation in the exercises and that they accept full responsibility for taking part in the hands-on exercises.

## Workshop Information

**A booking form is attached to this programme.**

The Workshop will be held at:

**CEFS Response Fire Training Ground,**  
Petronas Petrochemical Industrial Complex,  
Kerteh, Terengganu,  
MALAYSIA

### ***Transport / Accommodation***

Delegates are responsible for booking and paying for their own hotel and travel costs and for transport to/from the centre each day. A list of local hotels will be provided at time of booking.

### ***Fees***

The workshop fee is £2,250 (Pounds Sterling) per delegate.

UK companies will be charged VAT at the applicable rate.

Delegates from other EU countries must provide the VAT number of their company on registration.

The Workshop fees include instruction, lecture notes and light refreshments during morning and afternoon breaks and lunch. All classroom exercises and discussions will be supported and complemented by case histories and video and slide presentations. Course notes will be provided in the form of a hard copy of the presentations.

# Practical Tank Fire Fighting Workshop 2012

## CEFS Response Fire Training Ground, Kerteh, Terengganu, MALAYSIA

20<sup>th</sup> - 22<sup>nd</sup> March 2012

# Booking Form

Please regard this Booking Form as an Invoice. A receipt will be issued only on request.

*Please book early to avoid disappointment as spaces are limited. This form can be copied for additional delegates.*

*Resource Protection International 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 \_\_\_\_\_

### Practical Tank Fire Fighting and Foam Application Workshop MALAYSIA

20<sup>th</sup> – 22<sup>nd</sup> March 2012

The cost per delegate is £2,250 (Pounds Sterling)

NOTE: plus VAT for UK companies at the applicable rate.

Delegates from EU countries other than the United Kingdom must provide a VAT registration number. VAT No: \_\_\_\_\_

I ENCLOSE A CHEQUE FOR £ \_\_\_\_\_

Made payable to Resource Protection International

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

SIGNED \_\_\_\_\_

Return forms, along with appropriate fees, to: Resource Protection International  
Walker House, George Street, Aylesbury, Buckinghamshire HP20 2HU,  
United Kingdom.

UK Co Reg No: 2753740.

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

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Resource Protection International

Walker House

George Street

Aylesbury

Buckinghamshire

HP20 2HU

United Kingdom

### 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

