



The Catalyst

The Official Newsletter of JOIFF

September 2005

www.joiff.com

FROM THE EDITORS

This is the third edition of The Catalyst for 2005 and we welcome our growing numbers of Readers. Our policy is to bring you high quality articles on new developments and other happenings in the area of Emergency Services Management. In addition to The Catalyst, current information relevant to Emergency Services Management is posted on the JOIFF website.

As always, we thank those JOIFF Sponsors who have contributed articles for this edition. We extend our congratulations to Angus, part of Kidde UK, a valued sponsor. During this year, Angus is celebrating the 40th anniversary of their commencing to manufacture their very famous Duraline hose and in this edition of The Catalyst, we publish 40 reasons that Angus have given for

using Duraline.

We welcome the first contribution to The Catalyst from JOIFF Corporate Member Tyco Safety Products and we publish the agenda for the forthcoming Annual General Meeting of the Institute of Fire Safety Managers which will take place on 29th September 2005 at the Motor Heritage Museum, Gaydon, Warwickshire, start time 1100hrs. The numbers are restricted and contact detail for booking is given.

Some of our regular features are also included in this edition and once again we sincerely thank our advertisers / sponsors without whom we could not function.

We look forward to your continuing support.

ABOUT JOIFF

JOIFF, the Joint Occupational Industrial Fire Forum, the Organisation for Emergency Services Management in Process Industry, is a grouping of Companies, represented by their Emergency Services Manager - or equivalent position - and nominated Deputies.

For the purposes of JOIFF Membership, a Process Industry is considered to be any Industrial /

Commercial Organisation that is engaged in processing, storage, handling and/or transport of high risk materials and that has nominated personnel as Occupational Firefighters /Emergency Responders.

Associate Members of JOIFF are Organisations or Individuals who do not comply with the requirements for Full Membership but who share the same interests.

JOIFF provides a forum for discussion amongst peers, accredited training, information dissemination and technical advice. JOIFF welcomes interest from suitable Organisations who wish to become Members or Associate Members - contact the JOIFF Secretariat, details on the back page.

JOIFF Ltd. Registration number 362542.

NEW MEMBERS

During June, July and August 2005 the Executive of JOIFF were delighted to welcome the following new Members. This brings the number of JOIFF Members to 69 Full Members and 20 Corporate Members spread through 21 Countries.

Members

Astellas Ireland Co. Ltd., Dublin Ireland, represented by Sean Griffin, Loss Prevention Manager and Joe Harford, Chief Executive Officer. Astellas Pharma Inc., Japan is the parent company of the Astellas Pharma group of companies, formed from the merger of Yamanouchi Pharmaceutical Co., Ltd and Fujisawa Pharmaceutical Co., Ltd.

A/S Dansk Shell Shell-Refinery Denmark represented by Per Olesen, Fire Chief and Per Filskov, HSE Manager. Dansk Shell are the first Member of JOIFF from Denmark and they have a

large team of Emergency Response personnel supported by a wide range of trucks and equipment.

GlaxoSmithKline Dartford, England

represented by Andy Cheary, Fire and Security Manager, who is responsible for an Emergency Response Team comprising full and part time personnel.

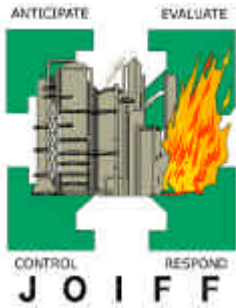
Regional Airports Ltd., London Southend Airport, Southend England

represented by Les Marsh, Senior Fire Officer. Les is responsible for Airport Fire Safety including the Fire Crew which is trained to and maintained at the high levels of competence specified by the United Kingdom Civil Aviation Authority.

We look forward to the involvement of our new and existing Members in the continuing development of JOIFF.

Disclaimer:

The views and opinions expressed in The Catalyst are not necessarily the views of JOIFF or of its Secretariat, Fulcrum Consultants neither of which are in any way responsible or legally liable for any statements, reports or technical anomalies made by authors in The Catalyst.



FIXED FIRE FIGHTING FOAMS - ASKING THE RIGHT QUESTIONS, MAKING THE RIGHT CHOICES

While the petrochemical industry is undeniably one of the major users of fixed foam fire protection systems, it is essential to have a detailed understanding of the particular installation, the risks and processes before deciding on the most appropriate solution. Here, Andrew Shiner, Director, Marketing Europe, Middle East & Africa for Tyco Fire & Security's Fire Suppression Group explores some of the issues affecting system design and overviews the merits of different fire protection strategies and the foam agents currently available.



No one would dispute that the petrochemical industry constantly faces an unrivalled fire safety challenge; the processing, storage and transportation of large quantities of highly flammable and combustible liquids. While they are infrequent, large storage tank fires are headline news and challenge all but the most professional and experienced fire fighting specialists. The cost of lost production has the potential to run into billions of dollars, and the life-threatening consequences are very real. However, risks can be minimised through the careful design of the fire protection systems, provided that this is based on a detailed and current risk assessment.

Indeed, it is an industry where the need for professionally undertaken and constantly updated risk assessment is of paramount importance. It has to address some tough questions. What is the worst possible fire scenario; what resources would be needed to fight such a blaze; what if the fixed installations are destroyed by explosion; what sort of response would the local municipal fire service provide, and how long would it take to be in place?

Certainly, the fire risk assessment should never be downgraded to the status of an occasional paperwork exercise. Risk assessment in this sector in particular must be a dynamic process and be top of the agenda, particularly when considering changes to the facilities or processes. These changes will often alter the facility's risk profiles, and this might well jeopardise the effectiveness of existing fire protection systems that, by their very nature, must be risk specific.

And it must be remembered that, in the UK for example, the Regulatory Reform (Fire Safety) Order of the Fire Services Act, which is planned to come into effect this year, places a whole new area of fire safety responsibility directly on the facility manager's shoulders. Under the Order, the onus for carrying out fire safety assessments passes from the local municipal fire brigade to the premises manager, who will have the legal obligation to ensure that competent people - either employees or sub-contract specialists - undertake fire risk assessments of their facilities.

Taking the holistic approach to petrochemical fire safety.

While outside the scope of this article, it is important to recognise that, in addition to commissioning a well-conceived fire fighting system, risks can be minimised by adhering to appropriate design guidelines at the facility's construction stage. For example, well designed and built storage tanks that are correctly installed and well maintained are essential; so too is the proper use of containment techniques and the adoption of passive fire protection measures.

This care and attention to fire safety detail applies to refineries and processing areas; flammable and combustible liquid storage areas, including tanks and warehousing; bund and dike areas; vehicle loading facilities and jetties. Inevitably, such a diverse collection of fire risks calls for a comprehensive toolbox of products; foam agents and design expertise to create an optimum fire protection solution for the entire facility.

The design of fire protection systems requires specific expertise and experience in identifying the risks associated with hazardous materials and processes. Each application may well warrant a different fire protection solution, depending on the



type of liquid stored or processed. So, the system's designer must consider the liquid's flash point, its boiling point, and determine if it is a hydrocarbon or a water-soluble, polar solvent fuel. This information enables the designer to complete the first part of the design process, classify the liquid, and establishes the most appropriate type of foam concentrate, its application rate and the discharge time.

To assist the designer, the NFPA [National Fire Protection Association] has developed a taxonomy for flammable and combustible liquids, which assists in developing appropriate fire protection tactics. For example, volatile liquids have a high vapour pressure and are easy to ignite, while products with a high vapour pressure and low flash point are more difficult to extinguish than products with a low vapour pressure and high flash point.

Fire fighting foam options.

There have, in recent years, been many advances in the field of foam concentrates, and some suppliers have been somewhat over enthusiastic when promoting their own type of generic product, the formulation of which has been dependent upon the company's manufacturing capability. However, it is important to be aware of the wide range of foams that are available today, from low cost but highly stable protein foams through to the latest leading-edge synthetic products, such as the Tyco Fire and Suppression's Thunderstorm 1 x 3, which was developed in consultation with Williams Fire and Hazard Control Inc, probably the world's most highly respected specialist in the fire protection of flammable liquids.

Basically, foam is a stable mass of small, air-filled bubbles that have a lower density than oil, petrol, or water. When it is discharged, it comprises three elements; the foam concentrate, water and air. Because of the product's low density, it readily floats on a fuel's surface to extinguish a flammable liquid fire by separating the fuel from oxygen. Effectively, it smothers the fire, while its high water content provides effective cooling. Well-formulated foam, correctly applied, will exhibit a number of characteristics. These include stability, cohesion, rapid fire-knockdown, heat resistance and vapour suppression; all of which will ensure that a fire is extinguished efficiently and securely to prevent re-ignition.

Briefly, the types of foam currently on the market can be summarised as follows:

Protein Foams:

- Stable mechanical foam.
- Good expansion properties.

- Excellent heat and burn-back resistance.
- High fluidity.
- Low fuel tolerance.

Fluoroprotein Foams:

- Inherent stability of protein base.
- Faster flame knock-down.
- Fuel tolerance.
- Greater fluidity.
- Hydrocarbon vapour suppression.

Aqueous Film Forming Foams (AFFF):

- High quality foam.
- Low or medium expansion.
- Compatible with wide range of equipment.
- Good shelf life.
- Concentrated agents available for 1% induction.

Film Forming Fluoroprotein Foams:

- High stability foam.
- Rapid knock-down.

Alcohol Resistant Concentrates:

- Synthetic or fluoroprotein.
- Highly versatile.
- Fast knock-down.
- Good burn-back resistance.
- Fuel tolerant (used on hydrocarbon and polar solvents).
- Excellent prolonged vapour-mitigating properties.



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continued from page 3

Of course, it is not merely a matter of selecting the foam, critically important though that is; it is equally essential to decide on a supplier of foam concentrate and provider of delivery systems. And this must be a decision that is not based on cost alone! Continuity of supply, technical support, engineering know-how, manufacturing resources and industry expertise all have to be assessed.

Petrochemical industry applications.

The petrochemical industry uses a variety of storage tanks for its products, each with a slightly different risk profile:

- Cone roof tanks (fixed roof tanks).
- Open-top floating roof tanks.
- Covered floating roof tanks.
- Horizontal tanks.

Usually, the primary protection of tanks is by means of fixed fire protection systems, with secondary protection being achieved through the use of foam monitors. Foam generators used in fixed systems have proved very successful in many installations and can provide a cost effective and reliable solution. However, any damage to the tank structure may well limit the foam generator's efficiency. This, together with maintenance issues, has lead to the widespread use of sub-surface injection systems, where sufficient water pressure is available for their use.

Sub-surface injection of foam into a storage tank is, as the name implies, where the foam is injected into the bottom of a tank, and then floats to the surface to spread and extinguish a fire. However, this method is unsuitable for use with polar solvents, even where alcohol-resistant concentrates are used, because the fuel destroys the foam. So extreme care must be taken to ensure that the sub-surface injection technique is not used on potential gasoline blends that contain alcohol or other polar solvent additives as oxygenates.

Sub-surface injection also cannot be used on cone roof tanks with internal floaters, in accordance with NFPA 11 - standard for low, medium and high-expansion foams. To overcome this problem, the so-called semi-subsurface injection technique has all of the benefits of sub-surface injection, and can be used for all types of fuel. The semi-subsurface technique uses a flexible hose, which floats to the surface when the system is activated, to deliver the foam.

Fixed monitors are a cost effective method of protecting relatively small storage tanks and associated spill or ground fires. Remote operation,

which ensures that fire fighters are kept at a safe distance from the incident, can be achieved by using electrical or hydraulic control systems. Although monitor's streams have successfully been used for extinguishing fires in larger diameter tanks, using high-flow devices and large diameter fire hoses, monitors should not - in accordance with NFPA 11 - be considered as primary protection for larger cone roof tanks with diameters in excess 18 metres.

Fixed systems can also be used for floating roof tanks; foam pourers are used to protect the rim seal area, with the foam being contained by a dam. However, good foam fluidity is essential to ensure that rapid coverage is achieved, and some oil companies have adopted a belt-and-braces approach and installed both foam pourers and sub-surface systems on covered floating roof tanks.

Horizontal tanks have been known to rupture following an explosion, so it is necessary to ensure that the bund area is adequately protected. Fixed low or medium expansion generators can be used to create an effective foam blanket, even on larger bund areas in major tank farms, and any residual fuel in the tank can be protected using a monitor. In reality, monitors can be used to protect the bund area, but this results in much higher foam consumption. At least two monitors are recommended to protect larger bunds to ensure full coverage and access to devices under all wind conditions.

Truck loading racks require special attention as a fire in this situation can escalate and threaten lives. Foam can provide a quick knock-down with the added advantage of vapour suppression and containment to prevent re-ignition prior to the cleaning-up process. Foam is delivered through a combination of an overhead foam/water deluge sprinklers supplemented by low-level ground sweep nozzles. Additional protection is provided against radiant heat, and structural cooling is beneficial to prevent further damage. Monitors can provide cost effective protection, but coverage remains an issue and the designer must be certain that this strategy will deliver the site's fire protection objectives.

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Tyco Safety Products are Corporate Members of JOIFF



PRESS RELEASE



New Publication: **Code of practice for the development of a response plan for significant incidents involving petroleum road tankers - 2nd edition**

PUBLISHED BY THE ENERGY INSTITUTE (available from Portland Customer Services)

Essential reading for petroleum tanker operators, distribution facility operators, safety managers and Dangerous Goods Safety Advisers, the emergency services and other stakeholders, as well as all those involved in the handling of significant incidents, such as vehicle recovery and oil spill clean-up contractors.

Petroleum road tanker operators have a legal responsibility under the Carriage of Dangerous Goods and use of Transportable Pressure Equipment Regulations and the European Agreement concerning the Carriage of Dangerous Goods by Road (ADR) to have in place a response plan to protect their employees, the public, property and the environment in the event of accidents or incidents involving the carriage of dangerous goods.

The guidance set out in this updated Code is suitable for those with large fleets operating on a national basis or small enterprises with a few petroleum road tankers operating in a limited local area. Response plans developed using this Code should match the scale and nature of those operations and should cover foreseeable scenarios where a petroleum road tanker has been involved in a significant incident, possibly overturning and spilling product that may impact a third party, property or the environment. To assist companies in developing their own plans, the Code sets out some generic procedures. The Code should help companies to better understand, but not to take over, the roles and capabilities of the emergency services and other stakeholders in

significant incidents. It may also be used as a point of reference by the emergency services and other stakeholders as it sets out good industry practice in handling significant incidents. Adoption of the Code should therefore establish a common approach across the petroleum industry to significant incident response and enable the emergency services to plan for a known level of industry assistance.

ISBN 0 85293 438 6 **June 2005**
£81.00 (EI Member Price £60.75)

The publication can be ordered from:
Portland Customer Services,
Commerce Way,
Whitehall Industrial Estate,
Colchester CO2 8HP, UK.
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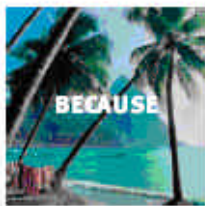
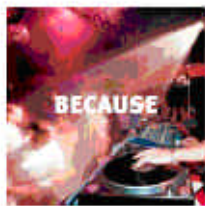
Note for Editors: For more information on the Energy Institute's publications, contact Erica Sciolti on (020) 7467 7157.

E: esciolti@energyinst.org.uk
Web: www.energyinstpubs.org.uk

SAYINGS FROM THE 1500's

Houses in the 1500's had thatched roofs, -thick straw-piled high, with no wooden support underneath. It was the only place for animals to get warm, so all the cats and other small animals (mice, bugs) lived in the roof. When it rained it became slippery and sometimes the animals would slip off the roof. Hence the saying "It's raining cats and dogs."

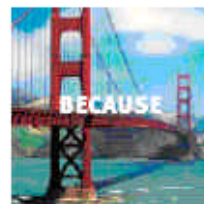
Editor's Note: This interesting "snippet" is reproduced from a Newsletter called The Responder, published by Emergency Response Solutions, New Zealand. ERS are specialist Consultants in the field of Safety Management in the Work Place and its Joint Managing Directors have a wide experience and knowledge in developing and perfecting techniques of minimising, responding and managing Incidents at Risk in Industry. For more information contact mike@ers.net.nz or dave@ers.net.nz



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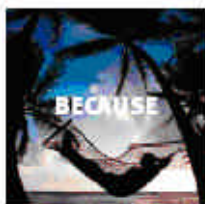
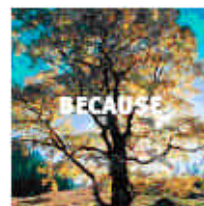
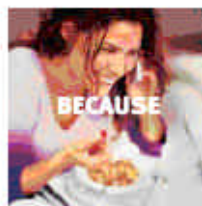
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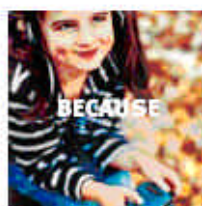
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40 REASONS TO USE DURALINE



From Angus Fire, the company that "Invented" covered fire hose

Fire hose is perhaps the most important piece of equipment carried on a fire appliance. It is the fire fighter's lifeline. If it fails, your life could be in danger. That's why it's so important to use the best, and don't all fire fighters deserve the best? As the world's first ever covered fire hose, Angus Duraline is the benchmark hose that sets the standard other hose manufacturers have to meet. Many have tried, but none have succeeded. Their imitations look like Duraline, and their names even sound like Duraline. But remember, if it isn't Angus, it can't be Duraline! Here are forty reasons, one for each year since Duraline was introduced, why the original covered fire hose is still the best.



1 Duraline is the only covered fire hose to have passed the test of time. Manufactured for forty years, it has truly delivered on its promises **2** Duraline features a special high-grade synthetic rubber formulation that is known to only a few people and is a closely guarded secret **3** Duraline is exceptionally resistant to kinking at low pressures, ensuring that full water flow and pressure reaches the fire fighter without interruptions **4** If all the Duraline ever made were laid out, it would stretch (as the crow flies) from its factory in Bentham (Yorkshire) to Perth (Australia) and back again! **5** Duraline is provided with top quality couplings from recognised and traceable suppliers. Quality and safety are never compromised over price **6** Duraline is widely used in non-fire fighting applications such as flood relief, animal rescue, and river rescue when used with inflation kits **7** Duraline is believed to be as near to a non-maintenance hose as the world is ever likely to get **8** Duraline is the only hose with vacuum-sealed pinholes that prevent water from reaching the jacket. It is the jacket that gives the hose its strength **9** Duraline was the first Type 3 covered fire hose to be awarded a British Standard Kitemark under BS 6391. It remains one of only two

international products to have achieved this **10** Used in every imaginable environment around the world, from arid desert to arctic tundra, Duraline has a proven track-record of long service life **11** Duraline is used by over 500 fire departments and 200 oil and chemical companies world wide **12** Easy-to-use hose repair systems approved by Angus ensure that damaged hose can be returned to service quickly and safely **13** Duraline has unbeatable heat resistance as shown by its outstanding performance in the BS 6391 Hot Cube Test **14** Every length of Duraline is 100% factory inspected and tested **15** Duraline has an all polyamide jacket that provides the best rubber-to-textile adhesion that modern technology can achieve, surpassing the cheaper polyester alternatives **16** Manufactured in Yorkshire, Duraline is the fire hose wi' nowt taken out! **17** Duraline is the number one hose in the British Fire Service. It has also been standard equipment in the UK Ministry of Defence Fire Service for over 25 years **18** Duraline can be wiped down after use and returned to service immediately without the need for drying **19** Thousands of tiny vacuum-sealed pinholes in Duraline protect the jacket from attack by aggressive chemicals **20** Every length of Duraline is pressure tested before leaving the factory **21** Duraline has a durable cover that is exceptionally resistant to abrasion **22** Duraline is manufactured in full compliance with BS EN ISO 9001:2000 quality management systems **23** Duraline has proven successful with all the world's leading fire hose coupling systems **24** Duraline is flexible and resistant to slippage **25** Duraline has a very high burst pressure. For example, the burst pressure of 2 inch diameter Duraline is 50 bar **26** Duraline has a wide range of international approvals including BSI Kitemark, Underwriters Laboratories, UK Maritime and Coastguard Agency, Lloyd's Register and Det Norske Veritas **27** Duraline is used by zoos in





monkey cages because it lasts for such a long time
28 The construction of Duraline prevents delamination or layers of the hose peeling away from one another
29 Duraline is stocked in over forty countries world wide
30 Duraline is tough and robust with excellent resistance to impact damage
31 Duraline is asked for by name so often that it has become the generic name for covered fire hose
32 Duraline has special additives in its jacket that give it unrivalled resistance to attack by ozone gas in the atmosphere, which can lead to surface cracks and reduced flexibility in cheaper hoses
33 After-sales service for Duraline is provided by a global network of distributors specially trained by Angus
34 Duraline is highly resistant to weathering by ultra violet light
35 Duraline has a special rib configuration on its cover that makes it easy to

make a tight coil
36 Angus has many testimonials by fire fighters describing the outstanding performance of Duraline at actual fire incidents
37 Duraline is available in the widest range of diameters, lengths and colours
38 Duraline users have access to the world's number one source of technical help and advice on covered fire hose technology
39 Duraline offers the best value for money, remaining in operational service many years after cheaper imitation products have proven to be false economies
40 Angus maintains a continuous programme of product improvement with Duraline that has maintained its position at the leading edge of hose technology for forty years.

THE INSTITUTE OF FIRE SAFETY MANAGERS AGM 2005

Venue- Motor Heritage Centre, Banbury Rd, Gaydon, Warwickshire, CV 35 OBJ

Website www.heritage-motor-centre.co.uk for directions.

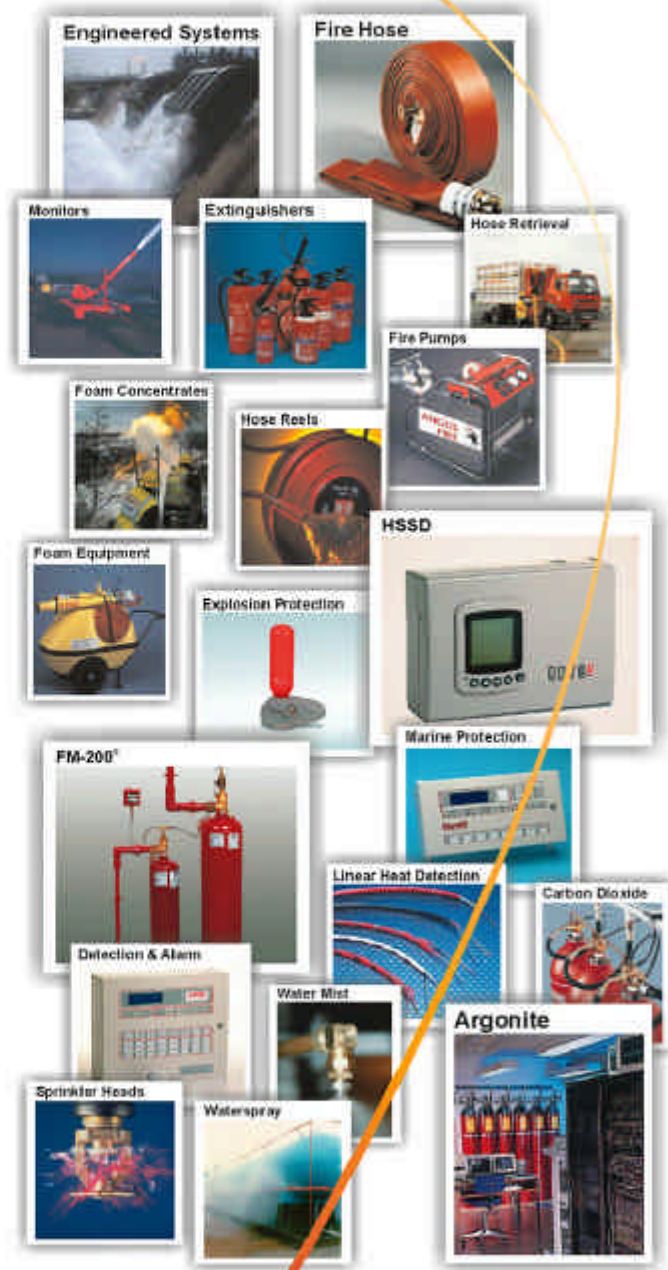
Date and Time - 29 September 2005 at 1030hrs.

AGENDA AND PROGRAMME FOR THE DAY:

- 1030 -1100 Registration and Coffee
 1100 -1110 Welcome and Introduction by Chairman John Williamson and opening address by Mr Peter Whalley, Risk Engineering Manager, Premier Automotive Group/Fire Control Engineer Ford of Britain.
 1110 -1130 Business Resilience - a talk by David Jones former Chief Superintendent, Lancashire constabulary.
 1130 -1210 The Regulatory Reform (Fire Safety) Order 2004 - Where are We Up To? - A talk and presentation by Paul Dryden, Fire Safety Enforcement Legal and Technical Section Greater Manchester Fire and Rescue Service.
 1210 -1250 The Madrid Fire - a talk and presentation by IFSM President Stewart Kidd.
 1250 -1345 Lunch provided and sponsored by Land Rover Fire Protection
 1345 - 1500 AGM as follows: -
1. Chairman's report.
 2. Treasurer's report.
 3. Membership Secretary's report.
 4. Secretary General's report to include the following proposals: -
 5. Registration of the IFSM as a formal company including acceptance of the draft Memorandum and Articles of Association to accompany registration.
 6. Change of the end of the financial year to 31 August each year and the AGM to be held September/October each year.
 7. To post a formal Code of Ethics and Discipline and Rules and Regulations for Grades of Membership on the website for consultation with the membership and set a closing date for comments to be sent to the Secretary General and a decision by Council.
 8. To agree an increase in fees for all members to £15 per year.
 9. To accept a decision by Council, proposed by Ken Day and seconded by Peter Cowland that Vice President Robert Docherty be transferred to the Grade of Fellow.
 10. Election of officials, President and Council members.
 11. Any other business.
 12. President's closing remarks.

Please note, both members and non-members are invited but there is a numbers restriction of 49 persons at the venue so please let May Husseyin know of your attendance or apologies as soon as possible email mhusseyin@thefpa.co.uk or tel.no. 02077931601 (it will be on a 'first come first served basis').

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"A DAY ON SAFETY" SEMINARS ARE YOU PROPERLY PROTECTED?

DuPont Personal Protection and a major respiratory manufacturer are sponsoring a series of A Day on Safety seminars. Three seminars are to be held in November, one in Aberdeen, one in Teesside and one in the Wirral.

The seminars, aimed at safety professionals in industry and public service, will provide delegates with valuable information on legislative issues in addition to guidance on the selection and use of PPE and RPE.



A Day on Safety

A Day on Safety will be beneficial to all those involved in the specification or purchasing of safety equipment for industries where workers are exposed to common hazards such as dusts and fibres, chemicals, fumes, flash fire, general grease and dirt, and the risk of cut and abrasion to hands and arms.

Throughout the day, detailed presentations by technical experts from DuPont Personal Protection and the respiratory manufacturer will combine with hands-on workshops to cover legislation, risk analysis, identification of hazards and the selection and maintenance of protective clothing and respiratory equipment. The PPE workshops, arranged in small groups, offer delegates the opportunity to discuss with the technical experts any PPE issues relating to their specific industries.

Delegates who attended A Day on Safety in Kilkenny earlier this year commented: "The day was structured well with informative presentations. It was well organised and the venue was superb"; "I found it very informative and interesting"; "Thanks for excellent presentations in an exceptional

environment in wonderful weather!"; "Good presentations - useful & interesting and useful workshops".

CPD points can be allocated for IOSH members who attend A Day on Safety. Administration of these events are carried out by The McOnie Agency on behalf of the sponsors. To book a place at ADOS, Aberdeen, Teesside or the Wirral or to request a registration form, please contact Alison Green at The McOnie Agency, tel: 01483 237230, email alison@mconieagency.com. Delegates are advised to register early as places are limited.

For further details, please call Alison Green at The McOnie Agency on +44 (0)1483 237230 or email alison@mconieagency.com.

DuPont Safety & Protection is focused on finding solutions to protect people, property, operations and the environment by leveraging and expanding 200 years of DuPont experience as one of the safest companies in the world; its recognized excellence in science and technology; and its knowledge of key markets. DuPont (<www.dupont.com>) is a science company. Founded in 1802, DuPont puts science to work by solving problems and creating solutions that make people's lives better, safer and easier. Operating in more than 70 countries, the company offers a wide range of products and services to markets including agriculture, nutrition, electronics, communications, safety and protection, home and construction, transportation and apparel. Information about DuPont in the Europe, Middle East and Africa region is available in all major European languages at <www.emea.dupont.com>.

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Dozens of top fire professionals, including many JOIFF members enjoyed a river boat cruise along the Thames in London, courtesy of Angus Fire as part of the company's 40th anniversary of its Duraline fire hose. Visit the Angus Fire website today.





PRESS RELEASE

TEN CATE PROTECT EXHIBITS AT A+A 2005

We are pleased to invite you to our stand 3E47 at the A+A exhibition in Düsseldorf from 24-27 October 2005.

Visit us at the A+A 2005 exhibition in Düsseldorf where we will present our latest innovation in the field of professional work and safety wear. The A+A 2005 is the world's leading exhibition for occupational safety and health.

Ten Cate Protect develops and produces fabrics for industrial and protective clothing. Customized end user solutions are sought together with other parties in the chain. Advanced specialized technologies, materials, constructions and finishes create state-of-the-art heat and fire protection as well as anti-static, fluorescent, reflecting and chemical resistant properties. The parameters to respond to your demands for safety are durability, comfort, colour fastness and low maintenance. With its advanced fabric collection Ten Cate Protect protects you.

We are looking forward to seeing you at our stand E47 in Hall 3, where we can take the opportunity to demonstrate to you personally how our collection of protective fabrics can work for you!

You will find more information on our website: www.TenCateProtect.com

For general information about the exhibition: www.aplusa-online.de

Nijverdal, 26 August 2005

Ten Cate Protect bv

For more information:

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[Http://www.tencateprotect.com](http://www.tencateprotect.com)



Ten Cate Protect

Article-No.: 156 4420-FF		Design: -PS		Model: GD FIRE-FIGHTER PREMIUM S	
Design & Construction					
Description:		Fire fighter glove with supreme heat and cold protection. Flash-Over tested at 800°C / sec. Waterproof and breathable. Anatomically shaped for perfect fit and wearers comfort. Excellent touch sensitivity with highest cut and abrasion resistance of palm. For additional safety all over reflective dots on backhand. Protection against radiant heat >22s.			
Sizes:		8/S, 8/M, 10/L, 11/XL, 12/XXL			
Colour:		Dark blue			
Length:		approx. 32 cm			
Particularities		Material composition and construction patented under EU Patent Certificate no. 0724848			
Pictograms and Performance level according to EN 659:2003					
Certificate No.: BP 60010613 0001 1564420-FF-A			Requirements		PL
			Abrasion resistance		
		Cut resistance		3	
		Tear resistance		4	
		Puncture resistance		3	
		Burning behaviour		4	
		Dexterity		2	
Inspection authority: 0197 Testing and Certification: TUV Rheinland Product Safety GmbH D-51101 Köln					



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For further information please contact GD.

DISASTER CITY

FIRE 2005, November 2nd-3rd
G-MEX MANCHESTER



CONCEPT

A major bomb blast(s) has hit a UK City Centre. The area of devastation has spread out to the greater city area. Several hundred calls have been received by Fire Control and it is not known whether it is one major bomb or a series of explosions. It is also unclear if there is chemical, radioactive or biological contamination. The scenario featured here focuses on a multi-storey collapse on the periphery of the city.

The demonstration will see fire crews and emergency responders first testing for contamination using chemical suits etc, followed by USAR teams searching for casualties and finally the extrication of casualties and victims.

A Compere will describe the action taken by crews whilst also detailing the decisions taken by the Incident Command team in the Incident Command Unit. A live video feed will run from inside the ICU. This commentary will be interjected by updates from an Incident Commander/Fire and Rescue Service Spokesperson to the media.

Disaster City will provide a showcase for the skills and equipment employed by the Fire and Rescue Service, in particular its enhanced specialist capacity for dealing with these types of incidents. The dual aspect of Incident Command and practical demonstration will give insight to the strategic decision making process and the difficulties and skills required for USAR operations.

The Disaster City will occupy 500 sq metres in the exhibition hall, and will comprise a stage set, seating area for 250-300. It is visualised that the seating area will be on two sides only, allowing standing space on other two sides, to maximise audience accommodation.

A 14x10ft plasma screen placed in a prominent aerial vantage point for all to see will add an extra dimension to the demonstration, which will be augmented by a high standard of audio and visual equipment.

STORY BOARD

- The Compere will give an overview of the incident. A huge bomb(s) has exploded in the centre of a UK city - details unspecified. The blast(s) could contain chemical, biological or radioactive contamination.

- A detailed computer graphic gives initial detail of the devastated area, possible contaminated regions and a model of development subject to weather patterns. A grid square is highlighted on the outer perimeter of the bomb blast(s) - somewhere in the greater city area.

- The grid square is blown up and we see a multi-storey collapse. The Compere describes the information provided to Fire Control and the initial assessment of the Incident Commander.

Sequence:

- 1) Crews enter the incident ground with chemical suits to check for chemical, biological and radiation contamination. All clear given.
 - 2) USAR teams enter and use full range of equipment, including thermal imaging & search dogs, TASRU etc. Casualties located.
 - 3) USAR teams use extrication equipment to release casualties.
 - 4) Emergency Responders retrieve casualties using spine boards, defibs, medical equipment etc.
 - 5) Victims extricated and site secured.
- Fire Chiefs appears on plasma screen to describe local and regional response to the incidents (several bomb blasts in the city centre and at outlying strategic transport links and vulnerable buildings).

EXERCISE

The scenario will see the Fire and Rescue Service in action, deploying latest New Dimension equipment and demonstrating newly acquired USAR and mass decontamination skills. The exercise will run for approximately 1 - 1½hr and will be repeated throughout the duration of the Exhibition (twice on the first day, once on the second).

The event will be compered by a Principal Officer with equipment provided by exhibitors and the Fire and Rescue Service.

Other emergency responders such as police and ambulance services can be brought in to demonstrate inter-agency co-operation, subject to availability. However, the primary focus is on Fire and Rescue Service response.

TEAM

FIRE Magazine

FIRE 2005 Team

DMG World Media (UK) Ltd - Exhibition Organiser

Avon Fire and Rescue Service & Greater Manchester

Fire and Rescue Service

Don't miss us at Fire 2005 Exhibition!

2-3 Nov 2005 ~ G-MEX Centre ~ Manchester

FIRE
CONFERENCE
& EXHIBITION



DIARY OF EVENTS 2005/2006

2005

- Oct 16th - 18th **Advanced Personal Protective Equipment: Challenges on protecting First Responders.** Virginia USA,
18th - 19th **Republic of Ireland Branch Institution of Fire Engineers Meeting/Exhibition**, Maritime College, Cork.
24th - 27th **A + A 2005 - International Congress for Safety and Health at Work.** Düsseldorf, Germany.
Nov 2nd - 3rd **FIRE 2005** G-Mex Manchester

2006

- Feb 21st - 24th **SICUR International Security, Safety and Fire Exhibition.** Madrid Spain.
April 24th - 29th **Fire Department Instructors Conference (FDIC)** Indianapolis, Indiana, USA.

Please contact the JOIFF Secretariat with details of any event that you think that JOIFF Members might be interested in attending.

Note: The Catalyst is not responsible for the accuracy of dates and / or venues announced. This is based on information given to the Editors and is published in good faith.

JOIFF TRAINING

For further information about the JOIFF accredited Competency Based Training Programmes, the new range of Fire Service NVOs and any other aspect of JOIFF Training, please contact the JOIFF Secretariat contact details below.

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