

DANGEROUS GOODS FORUM

STORAGE, HANDLING & TRANSPORT



Speakers Include:

SEAN PAGE

Dangerous Goods Consultant
ACOR MCE CONSULTANTS



PHILIP HINE

Director of Dangerous Goods
DEPT OF MINES AND PETROLEUM



BRAD NICHOLSON

Dangerous Goods Specialist
DG AIR FREIGHT



**19th & 20th
March 2014**

**Mercure Hotel
Perth, Australia**

WHAT YOU WILL GAIN FROM THIS EVENT:

- Learn how to safely manage the handling, storage and transport of dangerous goods to prevent the occurrence of significant incidents
- Find out how to identify dangerous goods and safely assess chemicals and hazardous substances
- Update your knowledge on the latest regulatory reforms and how to achieve compliance
- Acquire effective strategies for a safe and secure working environment
- Network with experienced experts and your industry peers
- Learn how to recycle large lithium batteries
- Hear how to safely transport radioactive substances and peroxides
- Learn how to correctly classify and label hazardous chemicals for transport
- Understand how to prepare for an emergency situation
- Listen to case studies from industry relating to dangerous goods such as fires, explosions, accidents, spillages, leakages and overfilling
- Discover the latest technology in hazardous materials handling
- No sales pitches - Non commercial presentations

WHO SHOULD ATTEND:

- Engineers, managers and specialists who deal with hazardous substances and dangerous goods
 - Chemical, operations and safety engineers/managers
 - Legislative, safety and regulatory compliance professionals
 - Transportation, distribution & storage professionals
 - Government regulatory and local government staff
 - Packaging and warehouse operators
 - Health and Safety professionals
 - Mining engineers and workers
 - Legal practitioners
 - Plant and factory operational personnel
 - Environmental engineers, technologists & professionals
 - Emergency personnel (paramedic and ambulance staff)
 - Medical practitioners and paraprofessionals
 - Dangerous goods consultants
- And anyone with an interest in the safe storage, handling and transport of dangerous goods in Western Australia.

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Resources Safety



INTRODUCTION TO DANGEROUS GOODS

The quantity of dangerous goods being stored, handled and transported across the country continues to increase as economic activity in Western Australia remains strong, particularly in the mining and resources sector. With increased activity comes increased safety risk and more dangerous goods accidents. The three major areas for concern when it comes to dangerous goods safety are:

1. Explosives incidents
2. Storage & Handling incidents
3. Transport incidents

Many of these incidents are caused by human error followed by mechanical or design failure and they result in the loss of product, damage to equipment, minor to serious injuries and in extreme cases fatalities.

The aim of this forum is to explore the variety of dangerous goods incidents that occur locally and nationwide every year and to provide practices and strategies to prevent accidents and reduce the overall number of incidents. A strong focus on regulatory reforms, legislation and compliance will feature throughout this event as safety is paramount when dealing with hazardous substances and dangerous goods.

All forum papers are reviewed and selected for their high quality and technical value by our panel of specialists experienced in the theory and practice of dangerous goods.

FORUM DAY ONE - 19th March 2014

8.00am	Registration		
8.15am	Opening Address		
8.30am	Dangerous Goods Management in the Mining Industry Sean Page - Director, ACOR MCE Consultants Session 1 KEY NOTE CASE STUDY		
	The expansion of mining in Western Australia has meant an equivalent expansion in the need and requirements for the storage and handling of Dangerous Goods. Mining companies have gone from small to medium users of fuels and chemicals to having to develop more complex storage and handling systems. The change has been significant enough that, in many cases, the dangerous goods storages required for mining exceeds the size, volume and complexity of the traditional suppliers and as such, effective dangerous goods management can be an ongoing and challenging task. Miners now have to take responsibility for the management of dangerous goods safety, transport and storage across vast distances, multiple and complex sites. Industry regulations, equipment and management techniques have also changed in line with this expansion, creating the need for new requirements, products and solutions. This presentation will discuss where responsibilities and liabilities occur in the mining industry when it comes to dangerous goods management. It will cover legislative requirements and how they typically apply, including some of the more common risks, misconceptions and oversights that occur. Using specific examples and case studies Sean will suggest a (systematic) approach to management and planning to avoid incidents and meet compliance.		
9.30am	Beyond Storage – Risky Options Stephen Robertson - Partner – Risk & Safety, ERM Australia Daryl Colgan - Principal Consultant – Risk & Safety, ERM Australia Session 2 CASE STUDY		
	The storage of Dangerous Goods is well documented for the majority of circumstances where dangerous goods are stored as a static storage. Publications such as Standards Australia provide minimal requirements that are often limited to static storage and are not location specific. Australian Standards tend to require complex interpretation, are difficult to understand and based on the “lowest common denominator” which may not be the best approach for a facility’s risk profile. These minimal requirements may not ensure the hazards and associated risks due to storage and processing are understood by all. This paper will explore options to ensure these hazards and risks are understood and documented in a manner to convey clarity.		
	Morning Tea - 10.15am		
10.45am	A Risk-Based Approach to Address Dangerous Goods Regulatory Requirements for Small Business to Major Hazard Facilities Laila Akhtar - Senior HSE Engineer, ERS Environmental Risk Solutions Session 3		
	By 2016, Australia will integrate a new system known as the Globally Harmonised System of Classification and Labelling of Chemicals - developed by the United Nations - into its chemical manufacturing and trade processes under the new Work Health and Safety Regulation 2011. This will regulate the storage and handling of both dangerous goods and hazardous substances under the one regime of hazardous chemicals. As different states have adopted slightly different versions of this system, one way to address the hazardous chemicals regulatory requirements is		
			to take a risk-based approach to assess the storage and handling aspects, including potential chemical reactions, fire, spillage and ignition sources in bulk handling and transfer of goods. This presentation will showcase how a risk-based approach can be applied for small business to Major Hazard Facilities to ultimately prevent the occurrence of significant incidents.
11.30am	Reducing your Facility Risk by knowing your Dangerous Goods. A Case Study Les Vogiatzakis - Group OHS&E Manager, Matrix Composites & Engineering Session 4 CASE STUDY		
	This presentation will cover incorrect Dangerous Goods classification, the absence of chemical safety knowledge of incompatibles of the same class or otherwise and limited awareness of production and safety people. A case study covering a major plant modification will be explored. This plant was completed successfully despite risks not being recognised at the HazOp, design or commissioning stages of a plant. Les will ask the question: How do you then drive a major change when the place hasn't had a near miss, fire or catastrophe?		
			Lunch - 12.15pm
1.15pm	AFTERNOON WORKSHOP (Includes Afternoon Tea - 3.00pm) Dangerous Goods & Mining Nick Nicolai Session 5 WORKSHOP		
	Head Trainer, DG Air Freight – Dangerous Goods Specialists The manufacture, use and control of Dangerous Goods is one of the most highly regulated areas of OH&S in the world. This workshop will cover the international and national publications produced to deal with the transport of dangerous goods (land, sea and air). National organisations such as Safe Work Australia, the National Transport Commission, the Civil Aviation Safety Authority and the Australian Maritime Safety Authority will be discussed. Also covered will be state and territory jurisdictions dealing with the land transport and storage of Dangerous Goods where regulations place the responsibility squarely on the shoulders of the manufacturer, consumer and transport chain. Dangerous Goods have such characteristics that if mishandled or ignored, they can give rise to fire, explosion, radiation or toxic and asphyxiant atmospheres. All classes of Dangerous Goods are handled in the gas, oil and mining industries and transported by every mode of transport. It is mandatory that personnel employed in these mining areas be adequately equipped and trained in the storage, use and logistics aspects of dangerous goods. This workshop will focus on Dangerous Goods in the mining industry and will come straight from the coal face with a common sense approach to resolving stakeholder issues.		
			Closing - 5.00pm
			NETWORKING SESSION: Cocktail Hour - 5.00pm to 6.00pm An hour dedicated for all attendees to meet and socialise with experts and industry peers at the Dangerous Goods Forum Cocktail Hour.

REGISTER NOW:

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Sponsorship Opportunities

Representing your business at the Dangerous Goods Forum 2014 will provide you the opportunity to reach key decision makers from a multitude of industries.

For more information on sponsorship and exhibition opportunities please contact IDC Technologies via email conferences@idc-online.com

FORUM DAY TWO - 20th March 2014

<p>8.30am Session 6 KEY NOTE</p>	<p>Large Lithium Battery Recycling Brad Nicholson - Managing Director, DG Air Freight – Dangerous Goods Specialists</p> <p>The risks connected with lithium battery recycling can include fire or explosion if batteries become over-heated. Therefore a risk assessment and management plan needs to be put in place before the collection or transport of these sometimes volatile batteries. This presentation will cover the changing environment of regulations regarding lithium batteries including challenges the industry are facing. The future of lithium batteries will also be explored.</p>	<p>1.15pm Session 10 CASE STUDY</p> <p>Transport of Dangerous Goods Amanda Fry - Senior Project Engineer, ACOR MCE Consultants</p> <p>With the ever increasing logistical requirements, more and more Dangerous Goods are being transported nationally, over vast distances and to harsh environments. In recent times the regulatory spotlight has intensified on the Transport of Dangerous Goods. Recent serious incidents involving the transportation of Dangerous Goods have further highlighted that all stakeholders in the supply chain have a duty of care. This presentation will discuss some of these responsibilities, recent incidents and how these may affect those involved in Dangerous Goods transport, including responsibilities of manufacturers and suppliers and the obligation to provide accurate information and effective response in an emergency.</p>
<p>9.30am Session 7</p>	<p>An Equivalent Level of Safety Alan Meagher - Principal Consultant, GHD</p> <p>In the case of a Dangerous Goods storage facility not being fully compliant with a particular clause of a relevant Australian Standard there is an avenue in still meeting regulatory requirements. Demonstrating an “equivalent level of safety” is not simply risk assessing the non-compliance, it’s providing a persuasive argument to the regulator that the facility is compliant with regulations. Alan will share some of his experiences as a consultant in providing those arguments for clients’ in demonstrating an equivalent level of safety.</p>	<p>2.00pm Session 11</p> <p>DG 7 Transport of Radioactive Ores Anthony O’Brien - Managing Director, Radiation Professionals</p> <p>Of late, due to the growing public interest in/awareness of radiation, there has been a renewed focus on the transport of potentially radioactive ores, especially in Western Australia. This talk will look at some of the issues/aspects to be aware of if you are transporting radioactive substances, with some focus on WA. This includes consideration of the licensing of personnel when transporting DG 7, highlighting some of the differences in the regulatory approach for DG 7 over other types of DG Transport, and the specifics for transporting ores.</p>
<p>Morning Tea - 10.15am</p>		
<p>10.45am Session 8</p>	<p>What’s New and What’s Coming in Dangerous Goods Regulation Philip Hine - Director of Dangerous Goods, Department of Mines and Petroleum</p> <p>Dangerous Goods is a diverse and dynamic area of safety regulation that is constantly evolving and adapting in response to international, national and state-based events and initiatives. In Western Australia the third phase of regulatory reforms took effect in December 2013 and work has commenced towards alignment with the national model workplace health and safety legislation, adoption of the GHS, improving chemical security and reforming explosives and dangerous goods transport legislation. This paper outlines some of the recent changes to legislation introduced in Western Australia and describes the reform agenda for the next few years.</p>	<p>Afternoon Tea - 2.45pm</p>
<p>11.30am Session 9 CASE STUDY</p>	<p>Overfill Detection and Prevention in Large DG Storage Tanks Raj Sreenevasan - Principal Instrument Engineer, Proteus Group</p> <p>Storage tanks are used widely in the industry. In recent years, accidents such as Buncefield explosion, Jaipur terminal fire or Puerto Rico explosion have captured the attention of the public and the regulators. However there are many incidents and accidents in the DG industry that have escaped the attention accorded to flammable and combustible fuel storage tanks. This presentation will look at a case study involving the unloading of bulk liquid from a ship, transport and storage in a tank farm and the subsequent distribution of bulk liquid by rail tankers. The study will explore the issues faced by the operations and maintenance personnel in detecting and preventing overfill incidents for the entire system (not just the tank farm).</p>	<p>3.15pm Session 12</p> <p>Organic Peroxides – The Devil is in the Detail Russell McKay - Divisional Manager, IMCD Australia</p> <p>Organic Peroxides (DG5.2) are used to initiate reactions in monomers to create polymers, they are used in small quantities in a wide range of applications. They are essential for any product made of glass or mineral reinforced polyester resin. Organic Peroxides under normal circumstances are stable and safe to use. However when stored incorrectly, or used in an inappropriate manner can result in fire, explosion, even loss of life. This presentation looks at how these products should be stored and used correctly, what can go wrong, resulting in fire or explosion, and what to do if something does go wrong.</p>
<p>Lunch - 12.15pm</p>		<p>4.00pm Session 13</p> <p>Dangerous Goods Transport, Spillage and Emergency Response William Bockelman - Director, Hydrocarbon Remedial Services Martin Skinner - Petroleum Specialist, Race Response</p> <p>Despite a strong accident prevention focus, spillage of Dangerous Goods will occur and sometimes in remote locations. This presentation will cover the response to minimise further spillage, remove the pollutant and the aftermath of waste & soil disposal. William will provide what he has learnt during the clean-up of several trucking spill sites, including receipt of initial spill information, emergency response, spill scene safety measures, flammable liquid recovery and pollutant removal. Also covered will be spill kit provision & use, spill exercise development/ review and company spill protection policies to further protect businesses from pollution effects..</p> <p>Closing - 4.45pm</p>

KEYNOTE SPEAKERS:

PHILIP HINE



Philip has been the Director of the Dangerous Goods Safety Branch of the Resources Safety Division of the Department of Mines and Petroleum since mid-2007. Philip holds a Masters degree in organic chemistry and over the past 32 years has worked in teaching, water research, laboratory management, environmental consulting and regulation, working all over Australia, in India and Fiji. Dangerous Goods Safety is responsible for the regulation of dangerous goods and explosives storage, handling and transport throughout WA, including major hazards facilities, and also manages four government explosives reserves.

SEAN PAGE



Sean is the Director of ACOR MCE and has worked in the Dangerous Goods consultancy field for over 16 years throughout Australia, including the last eight years in WA. Sean has worked with many mining companies to take on the challenge of meeting and maintaining compliance and best practice within the ever changing landscape. Sean will share his experiences and insights into the changing Dangerous Goods environment within the mining industry, identifying some of the common pit falls, misconceptions and providing some insights into management practices.

BRAD NICHOLSON



Brad is the Managing Director of DG Air Freight. Brad is a Dangerous Goods Logistics professional with 17 years experience specialising in all aspects of safe transport of dangerous goods. Brad is experienced in ICAO/ IATA/ IMO/ ADR and has an intricate knowledge of all local and national rules and regulations.



REGISTRATION FORM:

DANGEROUS GOODS FORUM

19th & 20th March 2014 – Mercure Hotel, Perth

Simply complete this registration form online or return by fax or email

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		Email:	
	2	Mr/Ms:	Job Title:
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2. HOW DID YOU HEAR ABOUT THIS EVENT?

Received an email from IDC
 Received a brochure in the mail
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Recommended by a friend/colleague
 Magazine advertisement/insert (please specify which magazine below)

Other (please specify) _____

3. REGISTRATION & PAYMENT DETAILS

Prices shown are inclusive of GST

DANGEROUS GOODS FORUM - 19th & 20th March 2014

OPTION 1: Early Bird Discount (SAVE 10%) - Book before 18th February \$1616 x ____ delegates = \$ _____

OPTION 2: NO Early Bird Discount - Book after 18th February \$1795 x ____ delegates = \$ _____

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GENERAL INFORMATION

Confirmation Details

A confirmation email and invoice will be sent to delegates within 3 days of receiving the registration.

Cancellation Policy

A fee of 20% will apply for cancellations received 7-14 days prior to the start date of the conference. Cancellations received less than 7 days prior to the start date are not refundable, however substitutes are welcome.

Venue

Mercure Hotel Perth
10 Irwin Street, Perth, 6000
AUSTRALIA
Phone: (08) 9326 7000

Accommodation

The conference venue has accommodation available. Contact directly on (08) 9326 7000 or h1754@accor.com to make a booking and quote event code IDC190314 to receive a 19% discount off your room rate.

Food and Beverages

All lunches, morning and afternoon refreshments are included.

Unable to Attend

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