



## **WHAT'S HAPPENING?**

**August 2008**

### **CONGRATULATIONS ON ATTAINING FULL MEMBERSHIP STATUS**

**Stephen Kennedy  
N.S.W**

### **WELCOME TO OUR NEW ASSOCIATE MEMBERS**

**Graham Hogg  
Downer EDI  
Mining**

**Alex. McKenzie  
Department of  
Defence**

**Matthew Mitchell  
The University of  
Sydney**

**Stephen Wilson  
Booker  
Investigations P/L**

### **New Dangerous Goods Consultants' Alliance in USA**

The AIDGC was established to provide industry with access to a group of consultants who have demonstrated competency in the various facets of dangerous goods storage and handling. The website [www.dgsafety.org](http://www.dgsafety.org) and the following press release show that in other parts of the world, consultants are facing the same issues.

*"The newly established Dangerous Goods Trainers Association (DGTA) has launched its website, [www.dgtrainers.org](http://www.dgtrainers.org). Two public meetings are scheduled to take place later this year to move the Association forward: during August 21 and 22 in Washington, DC, participants will aim to establish the body of knowledge necessary for trainer certification, then on October 21 in Deerfield Beach, Florida, participants will work on developing questions for the planned examinations. Interested parties are invited to come along and help; more information is available from Joyce Beerbower ([jbeerbower@scs-safety.com](mailto:jbeerbower@scs-safety.com))".*

### **Annual Conference "Learning from Experience" Friday September 12 - Crowne Plaza Sydney**

Members should be aware that only Financial Members are entitled to attend the Conference free-of-charge. If you have not received your invoice for the 2008/2009 financial year, please contact Chris. Flannery, the Treasurer, [lcf@alwaysonline.net.au](mailto:lcf@alwaysonline.net.au) Closing date is August 31, 2008.

The Conference Program is available online:

[http://www.aidgc.com/downloads/AIDGC%202008\\_Conference%20Program\\_Final\\_A\\_En.pdf](http://www.aidgc.com/downloads/AIDGC%202008_Conference%20Program_Final_A_En.pdf)

and the Registration Form:

[http://www.aidgc.com/downloads/AIDGC%202008\\_Conference%20Registration%20Form\\_Final\\_A\\_En.pdf](http://www.aidgc.com/downloads/AIDGC%202008_Conference%20Registration%20Form_Final_A_En.pdf)

Closing date for Conference Registrations: September 1, 2008.

### **Standards Watch**

#### **AS 3780:2008**

#### **The storage and handling of Corrosive Substances**

The revision was published on 28 July 2008, superseding AS 3780:1994.

<http://www.saiglobal.com/shop/Script/Details.asp?DocN=AS0733788270AT>

## Dates For Your Diary

Please see  
page 6 for the  
latest on  
Seminars

This month, my thanks go to Peter Hunt, John Baker and Rick Hall for their contributions.

## Worker's Death - Australian Brewer Fined \$1.125M

[http://www.industrysearch.com.au:80/News/Beer\\_giant\\_Fosters\\_fined\\_1125mn\\_over\\_workers\\_death-33743](http://www.industrysearch.com.au:80/News/Beer_giant_Fosters_fined_1125mn_over_workers_death-33743)

## OSHA to Fine Imperial Sugar for Deadly Blast

Federal officials proposed more than US\$8.7 million in fines against Imperial Sugar Co. for violations at two plants including those alleged in which a sugar dust explosion killed 13 people.



[http://www.popularmechanics.com/science/worst\\_case\\_scenarios/4272856.html](http://www.popularmechanics.com/science/worst_case_scenarios/4272856.html)

## CASE STUDIES

### Propane Fire at Valero McKee Refinery

On February 16, 2007, a propane fire erupted at the Valero McKee Refinery. Three workers suffered serious burns and the refinery was forced to shut down.

The fire began following a leak in the propane de-asphalting unit and spread quickly, in part because of the rapid collapse of a major pipe rack carrying flammable hydrocarbons.

Some of the rack's support columns had not been fireproofed.

## Corporate Members

Our Corporate Members provide a range of products and services to the Dangerous Goods Industry. Their contact details are:

AJM Environmental –  
Adrian Minshull  
02) 9542 2366

Basset Consulting Engineers –  
Tim Dean  
(07) 3510 4000 or  
0439 371 063

Leighton O'Brien  
MassTech –  
Darrell Barton  
03) 9813 5122

Store-Safe Pty Ltd –  
Grant Breeze  
02) 9569 2122

Vanguard Solutions  
Tony Davies  
08) 9420 5322



CSB determined that the propane fire resulted from water freezing and cracking an idle section of process piping.

Key issues were determined to include:

- Protection of dead-legs against freezing,
- Emergency isolation of equipment,
- Fireproofing of support steel,
- Fire protection for high pressure LP Gas service,
- Chlorine release.

### Final Investigation Report

The Final Report calls on American Petroleum Institute to develop improved practices for refinery freeze protection, fireproofing, isolation valves and fire protection systems.

[http://www.csb.gov/completed\\_investigations/docs/CSBFinalReportValeroSunray.pdf](http://www.csb.gov/completed_investigations/docs/CSBFinalReportValeroSunray.pdf)

### Safety Training Video

<http://events.powerstream.net/002/00174/player/proqDL.asp?contID=FireFromIce>

## Safety is No Accident

### What is Process Safety?

<http://sache.org/beacon/files/2008/07/en/read/2008-07-Beacon-s.pdf>

### ADG7 – New Terminology or Meanings: No 3

This is the third in our series of explanations of the difference in terminology or meaning between ADG6 and ADG7.

### “In Limited Quantities”

For each entry in the Dangerous Goods List in ADG7, there is a “Limited Quantity” entry in Column (7). This specifies the maximum size of the inner packaging or article that can be packed, labeled, documented and transported in accordance with Chapter 3.4 of ADG7, thus being conditionally exempted from some of the more onerous provisions that apply to larger sizes.

## Keep In Touch

If you have any suggestions or queries please do not hesitate to contact the AIDGC Executive Officer, Robyn Hogan: [robynhogan@unwired.com.au](mailto:robynhogan@unwired.com.au) or leave a message with the AIDGC paging service 02 9430 6739 and I will return your call.

Limited Quantities range from zero for all Packing Group I, Division 2.1, Division 2.3 and some other high hazard substances, to 5 L or 5 kg for most Packing Group III substances. Under Chapter 3.4 of ADG7, concessions apply to packing in outer packages with a gross mass < 30 kg (< 20 kg for shrink wrapped trays).

Limited Quantities are not limited to consumer commodities (a term not used in ADG7). This will therefore permit concessions across many more industries and transport tasks than the old consumer commodity load provision of ADG6.

The philosophy is also different in that it applies to any quantity of substances packed in 'Limited Quantity' sizes, rather than a limited aggregate quantity. Normal transport documentation applies to Limited Quantity consignments (unless transported in a Retail Distribution Load as described below).

Vehicle and freight container placarding applies to the same quantities of dangerous goods packed in limited quantities as for most other loads of dangerous goods (see 16. following).

## “Retail Distribution Loads”

Chapter 7.3 of ADG7 provides for the incidental movement of small quantities of consumer dangerous goods intended for personal care or household use as part of a load of retail goods.

It applies only where the total load in the transport unit meets all of the prescribed conditions for a 'Retail Distribution Load'.

Some of the 7 conditions are:

- quantity limitations ( $\leq 2000$  kg(L) aggregate DG in the transport unit)
- the maximum proportion of dangerous goods (20 %)
- product limitations (Limited Quantity sizes except as detailed; suitable for retail and consumption by individuals for personal care or household use; restrictions on Class 6 and 8)
- everything consigned to or from a retail outlet or retail distribution centre

It has been designed to facilitate the inclusion of small quantities of dangerous goods in consignments to or from retail outlets or retail distribution centres where the total load is under centralized control.

A Retail Distribution Load meeting all the requirements of Chapter 7.3 is not a Placard Load and can have a simplified pro-forma transport document.

There is a marking and labeling concession, provided only to facilitate the packing of part or mixed cartons and overpacks at retail distribution centres and retail outlets for inclusion in a retail distribution load.

This labeling will not be suitable for any other transport and is not applicable to suppliers to the retail industry.

Any Internet links that you would like to share with members, please first send to [jdbaker@ozemail.com.au](mailto:jdbaker@ozemail.com.au)

## **In the News**

### **Victims Burned on Retailer's Gas Compensation**

A major retailer is accused of turning its back on customers who suffered horrific burns while using faulty LPG pumps at two of its Melbourne service stations. Two persons suffered severe cold burns on their hands and arms when they were sprayed with gas as they tried to fill their cars at service stations in Melbourne.

<http://www.news.com.au/heraldsun/story/0,21985,24001687-2862,00.html>

### **Buncefield Damage 'Could Have Been Foreseen'**

Total UK has backed down again as it prepares to fight £1bn in claims over Britain's biggest peacetime explosion.

[http://business.timesonline.co.uk/tol/business/industry\\_sectors/natural\\_resources/article4392873.ece](http://business.timesonline.co.uk/tol/business/industry_sectors/natural_resources/article4392873.ece)

### **Varanus Island**

Western Australia's \$2 billion gas pipeline explosion might have been avoided if a key state government department had not ignored constant warnings that Apache Energy was not complying with safety standards at its Varanus Island facility.

<http://www.theaustralian.news.com.au/story/0,25197,24172748-5013945,00.html>

## **RESOURCES**

### **Petroleum Storage Depots Necessary Measures for Preventing Major Accidents**

This document covers conclusions and key points from technical exchanges, research and analyses relevant to implementation of the inspection requirements of the Seveso II Directive.

[http://139.191.1.51/typo3/uploads/media/Petroleum\\_storage\\_FinalPublication2008.pdf](http://139.191.1.51/typo3/uploads/media/Petroleum_storage_FinalPublication2008.pdf)

### **Buncefield Investigation Board Publishes 8<sup>th</sup> Report**

The Buncefield Investigation Board's 8th report is titled: "Recommendations on land use planning and the control of societal risk around major hazard Sites". The report sets out the Buncefield Major Incident Investigation Board's third set of recommendations, on the subject of land use planning and societal risk around major hazard sites.

<http://www.buncefieldinvestigation.gov.uk/reports/comahreport3.pdf>

### **MIFACE Investigation Report**

The following report may be of value to safety professionals involved in companies performing welding repair work in spaces that hold flammable or combustible liquids. <http://www.oem.msu.edu/MiFace/06MI188.pdf>



## **Products via Hot Gas Welding of Fluoropolymers**

<http://www.hse.gov.uk/research/rrpdf/rr539.pdf>

## **Plant Ageing**

Covers management of aging equipment containing hazardous fluids and/or pressure. <http://www.hse.gov.uk/research/rrpdf/rr509.pdf>

## **HIPAPs and Applying SEPP33**

### **Review of Planning Guidelines for Hazardous Development**

A number of Hazardous Industry Advisory Papers (HIPAPs) and other guidelines such as *Applying SEPP 33* have been issued by NSW Department of Planning to assist stakeholders in implementing an integrated assessment process.

While the principles in existing guidelines remain sound, some of the details are no longer current and it is timely that they be updated to incorporate recent developments in risk assessment and management techniques, land use safety planning and current best practice.

A summary of the changes is included in a four page document, "Revised guidelines for hazardous development - invitation to comment" which, along with copies of revised draft HIPAPs, can be downloaded from:

<http://www.planning.nsw.gov.au/plansforaction/hipaps.asp>

Comment is being sought from stakeholders on the revised draft guidelines before they are formally re-issued. Comments on the draft papers are invited until Friday 31 October 2008 and can be sent to:

- Major Hazards Unit, NSW Department of Planning, GPO Box 39, Sydney NSW 2001 or
- Email: [mhu@planning.nsw.gov.au](mailto:mhu@planning.nsw.gov.au)

## **AIDGC Seminars**

With our increased number of Queensland Members, the board has agreed to run professional development seminars in Brisbane similar to those which have been run in Sydney. The first will be held during November. A date and venue will be announced as soon as arrangements can be made. For this first seminar, Peter Hunt will be presenting "ADG7 – What's Different".

### **Sydney "Tank Storage – An Environmental Update"**

Barry Bone will present an update on the latest NSW environmental regulations covering the installation and operation of fuel storage. Date: October 2008 TBA

### **Brisbane "ADG7 – What's Different"**

Peter Hunt will present an overview of the changes that will come about with the introduction of ADG7. Date: November 2008 TBA.