



## **WHAT'S HAPPENING?**

*February 2009*

Welcome to  
our new  
Members:

**Bernard Dubois**  
Queensland

**Adam  
Greenwood**  
N.S.W.

**Wayne Palmer**  
Queensland

See page 3  
for new  
Competency  
Assessment  
for  
Dangerous  
Goods and  
Transport

### **NSW soon to bring in ADG7 for road & rail transport?**

Latest unofficial advice on the date of introduction of the NSW Regulation required to implement The Dangerous Goods (Road and Rail Transport) Act 2008 which authorises ADG7, is late March. It is hoped that by then the final draft from Parliamentary Counsel will meet Department of Environment and Climate Change requirements. No official date has yet been set.

### **Fatality at LNG Construction Site**

One worker was killed and 15 injured in an explosion on a construction site at Shanghai's Yangshan Deep Water Port on February 7. The man who died was pierced by a flying steel rod while lying in his dormitory bed. The injured were having lunch when they were hit by flying cement, stone and metal fragments from the blast, which occurred just after noon.



The explosion occurred during a pressure test of the equipment, according to the city government media office. Workers were pumping air into a gasifier when, some 500 meters of the piping network burst into fragments, buckling cement crossbeams. The cause of the rupture was still under investigation, the Shanghai Commission of Safety Production said.

[http://www.shanghaidaily.com/sp/article/2009/200902/20090207/article\\_390150.htm](http://www.shanghaidaily.com/sp/article/2009/200902/20090207/article_390150.htm)

## DIARY DATES FOR 2009

### HAZMAT

Thursday 29<sup>th</sup>  
and Friday  
30<sup>th</sup> April

Sydney

AIDGC  
ANNUAL  
CONFERENCE

Friday 18<sup>th</sup>  
September

Sydney

## Lessons from History

On the afternoon of 10 Jan 1910, a tremendous concussive blast swept across Bloomington, Illinois, the result of an explosion at Union Gas and Electric Co.'s west-side plant which produced town gas from coal. Workers were in a basement extending a 10-inch gas main so it could reach another main. They placed a rubber bag over the blind end of the main, the purpose being to hold back the gas while they worked on the connection. Tragically, the bag either developed a tear or was simply blown off, and the cramped room quickly filled with gas. The workers, disoriented from the effects of the gas, somehow managed to scramble up a ladder and head toward a door leading outside. As they fled for their lives, the volatile gas reached the open flame of a regulator, or gauge [as reported], attached to a piece of machinery. The blast, which occurred at 2:18 p.m., shredded the building's steel and slate roof and shattered windows in the surrounding neighbourhood.



Curious onlookers crowd the site of the Jan. 10, 1910, explosion at the Union Gas and Electric Company.

<http://www.pantagraph.com/articles/2009/02/25/past/doc496977558751c664997013.txt>

## Dangerous Goods:

### Crushing Aerosol Cans Cause Fatal Explosion

A United Kingdom recycling worker was asked to crush thousands of aerosol cans at his workplace and died of severe burns after the contents ignited and exploded.

He was putting the aerosol cans into a mechanical crusher. Staff at the site had not been properly trained in waste management practices and the hazardous nature of the cans' contents had not been identified.

<http://www.nurs.co.uk/news/2009/02/24/recycling-worker-burnt-by-hazardous-goods/>

## WorkCover Alerts

### Cutting Empty Fuel Drums - Explosion Warning

A 63-year-old farmer in the Wyalong district received very severe burns - as a result of which both legs were amputated - when an explosion occurred while he was cutting a 200-litre drum.

## 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

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

Vanguard Solutions  
Tony Davies  
(08) 9420 5322

This month, my thanks go to Steve Leabeater, Ross Underwood and Peter Hunt for their contributions.

### **Fire and Explosion Risk at Wineries**

The investigation of two fatalities that occurred following an explosion and subsequent fires at a winery in the Hunter Valley. While the causes of the incident are still being investigated, initial investigations indicate that welding work was being done at the time in the vicinity of a building where flammable liquids were stored.

### **LP Gas Filling Adaptor**

An LP gas tanker driver and his offsider received burns to approximately 30% of their bodies while filling a 190 kg cylinder from an LP gas tanker.

Details on the WorkCover website:

<http://www.workcover.nsw.gov.au/publications>

### **Dangerous Goods and the Transport Industry**

You will recall that individual members area of interest/expertise is currently listed under 1 or more of 9 categories in the 'Find a Consultant' tab of the AIDGC website (the categories being LPG, other class 2 gases, Class 3 packaged flammable liquids, Class 3 bulk flammable liquids, Class 4 solids, Class 5.1, Class 5.2, and Class 6.1/8/9 dangerous goods). Additionally where candidates for competency assessment successfully complete at least the assessment for all of categories, Class 3 (packaged), Class 4, Class 5.1, and Classes 6.1/8/9, they may seek listing for 'mixed class warehousing'.

In response to a request from several Associate Members, the AIDGC Board has agreed that a separate member interest listing be established for 'transport of dangerous goods', as a supplementary category to the specialty areas that are already listed on the consultant members interest profile.

The Board has also agreed that a candidate seeking to upgrade from Associate Member to Full Member status within the AIDGC and who only seeks listing under the member listing for dangerous goods 'transport', may do so by undertaking the assessment test. This will provide an avenue for those consultant Associate Members who provide advice in transport, packing and labeling, or any other ADG code-related matters, to be recognized as full Members of the AIDGC and have their contact details listed on the Member's register.

Upgrade of membership from Associate to Full Member requires a candidate to satisfy the Board's assessment requirements by demonstrating their competence in understanding and interpreting dangerous goods regulatory requirements (particularly those relating to dangerous goods transport) as well as the requirements of the Australian Dangerous Goods Code.

A competency assessment module for transport matters has been developed and when undertaken with the other legislative and Code knowledge components, will enable the transition from Associate to Full member status to those candidates who successfully complete the assessment tasks and meet the Board's membership criteria.

Many Full Members who are currently offering advice in transport matters, are subject to commitments made by them to adhere to the AIDGC Code of

## **AIDGC BOARD MEETINGS**

Your Board will meet on the following dates; if you would like to propose an item for the Agenda please advise

Robyn –

robynhogan@unwired.com.au

March 17

April 21

May 19

June 16

July 20

August 18

September 15

October 20

November 17

December 15

Or perhaps you would like to come along and see how the Board operates?

Drummoyne Club  
Victoria Road  
Drummoyne  
Starting at 5PM

We'd love to have you join us!

Conduct, fully entitled to continue to do so – there is no need to update their member listing to continue offering advice.

The opportunity does, however, exist for any current Full Members who offer services in dangerous goods transport related matters, to have that box ticked in the members listing on the website. This may be done by undertaking a competency assessment confined to dangerous goods transport matters only, the other membership requirements having already been met.

The assessment task can be undertaken by a mutually agreeable flexible arrangement. Anyone interested in the assessment for transport listing process, should contact Ross Underwood, [sets@ozemail.com.au](mailto:sets@ozemail.com.au) or by telephone, 0418223982, or any other Board Member (contact details on AIDGC website).

## **ADG7: Dangerous Goods List Changed Entries**

### **New Entries**

124 new UN Numbers (from 3375 onward) have been added. Most of these provide more accurate descriptions of dangerous goods previously included under other, more general descriptions. It is necessary to use whatever is now the most appropriate entry. For example, sodium cyanide solution and potassium cyanide solution, covered in ADG6 by UN 1953 (cyanide solution n.o.s.) are now covered, respectively, by UN 3413 and 3414. There are new entries for pesticides, fuel cells, ethanol and petrol mixtures, lithium ion batteries, many solid substances, liquids toxic by inhalation and many others. Check your clients' MSDSs etc.

### **Deleted UN Numbers**

As well as several explosives, goods previously under the following numbers will need to be assigned new numbers according to rules in Chapter 3.1 as there is no one-to-one correspondence with other numbers:

2003 – metal alkyls or aryls, water reactive, n.o.s.

2530 – isobutyric anhydride

3049 - metal alkyl or aryl halides, water reactive, n.o.s.

3050 - metal alkyl or aryl hydrides, water reactive, n.o.s.

3203 – pyrophoric organometallic compound, water reactive, n.o.s.

3207 - organometallic compound (or solution or dispersion), water reactive, flammable, n.o.s.

3353 – air bag inflators, air bag modules or seat belt pretensioners, compressed gas

### **Obsolescent UN Numbers**

Still in use, but to be phased out by 1 Jan 2011:

1014 – carbon dioxide and oxygen mixture, compressed

1015 – carbon dioxide and nitrous oxide mixture

1979 – rare gases mixture, compressed

1980 - rare gases and oxygen mixture, compressed

1981 - rare gases and nitrogen mixture, compressed

2660 – nitrotoluidines (mono)  
2662 - hydroquinone  
3435 – hydroquinone solution

### **Changed Classification**

UN 2054 morpholine, now: Class 8, Sub-risk 3, PG I (previously: Class 3, no Sub-risk, PG III)  
UN 1463 chromium trioxide, anhydrous, now: Class 5.1, Sub-risks 6.1 & 8, PGII (previously: Class 5.1, Sub-risk 8, PGII)  
UN 1017 chlorine, now Division 2.3, Sub-Risks 5.1 & 8 (previously: Class 2.3, Sub-risk 8)

### **Changed or Removed Packing Groups**

Removed from UN 2795, 2800, 3028 and 3316 (articles no longer have Packing Groups).

### **Changed (usually by additional options) for the following UN Numbers:**

1153 – ethylene glycol diethyl ether  
1597 - dinitrobenzenes  
1656 – nicotine hydrochloride or solution  
1658 – nicotine sulphate, solid or solution  
1748 – calcium hypochlorite, dry or mixture, dry (> 39% available chlorine)  
1835 – tetramethylammonium hydroxide  
1938 – bromoacetic acid  
2030 – hydrazine hydrate or solution (37 to 64% hydrazine)  
2531 – methacrylic acid, stabilized  
2669 - chlorocresols  
2880 - calcium hypochlorite, hydrated or mixture (5.5 to 10% water)  
3319 – nitroglycerin mixture, desensitized, solid, n.o.s. (2 to 10% nitrogllycerin)

### **Minor Changes**

“Stabilized” replaces “inhibited” in proper shipping names and either “f” or “ph” in sulphur and sulphates is acceptable

### **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 on 02) 9430 6739 and I will return your call.