



WHAT'S HAPPENING?

September 2007

**HAVE YOU
REGISTERED??**

**2007 AIDGC
Conference**

October 5

Crowne Plaza

Darling Harbour

ADG7

The Latest

John Borig will
fill you in on
October 5 at
our Annual
Conference

Australian Institute of Petroleum WITHDRAWN PUBLICATIONS

A strategic review of AIP publications was undertaken in 2006. After careful consideration, they have assessed that a number of these are no longer relevant to the objectives of AIP. Therefore over the course of 2007, AIP will be discontinuing a number of its publications, particularly the AIP Codes of Practice and Guidelines.

Recently withdrawn publications (up to 14 September 2007) are listed below, including the date of withdrawal. AIP is no longer providing, maintaining or updating these publications for general use or sale. AIP accepts no responsibility or liability for the use of publications after the withdrawal date.

For previous users of withdrawn publications, AIP will suggest (where possible) alternative sources of advice in relation to the matters covered in any publication that is withdrawn – see further information at <http://www.aip.com.au/pubs/withdrawn.htm>

However, AIP does not endorse these sources nor accept any responsibility for the information provided. Stakeholders should satisfy themselves as to the reliability and accuracy of any materials provided by these sources and seek professional advice.

List of Withdrawn AIP Codes of Practice

- CP5 Pipeline, Road Tanker Compartment and Underground Tank Identification (as of 14 September 2007).
- CP6 Vehicle Bottom Loading and Vapour Recovery (as of 14 September 2007).
- CP13 Road and Rail Tanker Gas-Freeing and Work Authorisation (as of 11 April 2007).
- CP15 Road Tanker Maintenance (Tank and Fittings) (as of 1 January 2006).
- CP20 Safe Handling of Bitumen Products (as of 1 June 2006).

Corporate Members

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

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

AJM Environmental –
Adrian Minshull
02) 9542 2366

Vanguard Solutions
Fred Soale
08) 9420 5322

- CP23 Selective Couplings for Road Tankers dedicated to Aviation Fuel (as of 14 September 2007).
- CP24 Decanting (Filling) of LPG Cylinders at Service Stations (as of 11 April 2007).
- CP27 Performance Specification & Use of Certain Fittings in Road & Rail Tanker Operations (as of 14 September 2007).

List of Withdrawn AIP Guidelines

- GL4 Protection of Employees from Exposure to Benzene (as of 21 June 2007).
- GL6 Signs for Service Station Forecourts (as of 14 September 2007).
- GL8 Content and organisation of Emergency Plans (as of 11 April 2007).
- GL9 Marketing of Aromatic Extract Oils (as of 28 June 2007).
- GL10 Health Screening of Heavy Goods Vehicle Drivers in the Oil Industry (as of 21 June 2007).

List of Withdrawn AIP General Publications

- MPX2 Guide for Training Shore Officers (as of 28 June 2007).
- MPX4 Shore Officer: Certificate of Authorisation, Accreditation, Evaluation (as of 28 June 2007).

Transport Industry Accreditation

Ross Underwood is working on dangerous goods accreditation for the transport industry including, packaging, labeling and road regulations. This has been in the pipeline for quite a while and will contain a risk assessment component.

Safety is No Accident

Managing Chemical Reactivity Hazards Essential Practices

Free electronic text book which is downloadable following on-line registration.

<http://www.knovel.com/knovel2/Toc.jsp?BookID=898>

Any links that you would like to share with members, please first send to jdbaker@ozemail.com.au

This month, thanks go to John Baker, Ross Underwood, Peter Hunt and Brett McPhee for their contributions.

Keep in Touch

If you have any suggestions or queries please do not hesitate to contact the AIDGC Executive Officer robyn@f1.net.au or leave a message with the AIDGC paging service 02 9430 6739 and I will return your call.

In the News

WorkCover NSW Alert! Gas Installations

The WorkCover CEO issued a Safety Alert for the failure of the first stage regulator on a bulk LP Gas installation which was cited as the primary cause of an explosion and fire in Gunnedah. Other factors contributing to the explosion were the inadequate design of the second stage piping."

Owners and controllers of bulk LP Gas installations in NSW are required to undertake a risk assessment to identify all foreseeable hazards in their workplaces and then to eliminate or minimize those risks.

Compliance includes planning an appropriate management system for each installation, maintenance of the first stage regulator, downstream pipework and components, as well as procedures for normal shut down and emergencies," As part of the risk management process, consideration must be given to:

- over-pressure protection requirements
- vessel registration
- testing and maintenance
- external and internal inspections
- establishing procedures for working with plant connected to bulk LP Gas installations
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http://www.workcover.nsw.gov.au/MediaResources/MediaReleases/2007/safety_alert_failure_on_bulk_liquefied_petroleum_gas_installation.htm

http://www.workcover.nsw.gov.au/NR/rdonlyres/E222C3F2-D2A8-498B-8B71-14BFC745D828/0/Regulator_failure_bulk_LP_gas_safety_alert_5282.pdf

Australia Acknowledges Canadian Chemical Regulations

<http://www.industrysearch.com.au:80/news/viewrecord.aspx?id=27774>

Water Staff Hurt In Chemical Leak

Three workers at a South West Water treatment works in Devon, England are in hospital after exposure to a cloud of chlorine vapour.

http://news.bbc.co.uk/2/hi/uk_news/england/devon/6940707.stm

Blast-proof Glazing

http://www.wrightstyle.co.uk/print_version.php?page=/press/articles/page13.php

Disused Underground Pipes Court Fines Firms for LPG Blast in Factory



The operators of a factory in Maryhill which exploded killing nine people have been fined £400,000 for health and safety breaches.

<http://www.hse.gov.uk/press/2007/gnnsco09107.htm>

http://news.bbc.co.uk/2/hi/uk_news/scotland/glasgow_and_west/6966456.stm

http://news.bbc.co.uk/2/hi/uk_news/scotland/glasgow_and_west/6965479.stm

Chlorine Spill Reported In Westchester

Westchester County Emergency Management officials responded to a chlorine leak at the Water Treatment Plant from a 150-pound cylinder. Plant workers were reportedly doing maintenance, when the cylinder started leaking from the valve. The workers couldn't shut it off, so they called for external assistance, but the leak could not be stopped due to the cylinder valve being broken. People were kept a quarter of a mile away. Officials say the chlorine travelled approximately 1/8 of a mile from the site of the leak. At least two people were treated for chlorine inhalation.

<http://abclocal.go.com/wabc/story?section=local&id=5545992>

\$300m Plan to Trap Petrol Fumes in NSW

All major Sydney service stations will be forced to install devices to trap petrol vapour following an alarming report showing motorists were being exposed to carcinogenic chemicals at 1000 times higher than normal. A DECC report has revealed volatile organic compounds released when cars are refuelled are a grave health concern and a major cause of air pollution.

<http://www.news.com.au/heraldsun/story/0,21985,22234573-5005961,00.html>

Chemical Spill at Coode Island Sparks Calls For Industry Relocation

<http://www.abc.net.au/news/stories/2007/09/16/2034136.htm>

CASE STUDIES

Hazards of Chemical Oxygen Generators

Chemical oxygen generators may be used to supplement oxygen to sustain breathing in emergency situations. Certain types yield oxygen via an exothermic chemical reaction - but surface temperature of the metal container may reach 250 °C.

It has been recommended that chemical oxygen generators which exceed their 'used by date' be expended before transport. Similar hazards apply to storage.

http://www.csb.gov/safety_publications/docs/EQ%20Safety%20Advisory%20Final.pdf



Were improperly labelled and stored chemical oxygen generators in cargo an unwitting factor in the demise of ValuJet Flight 592?

Would a comprehensive DG risk assessment have changed the grim outcome?

<http://www.cnn.com/US/9705/valujet/the.accident/>
<http://www.nts.gov/Publictn/1997/AAR9706.pdf>

Runway Chemical Reaction and Vapour Cloud Explosion



It was deemed that Company management of reactive chemical hazards was inadequate and that the facility was unprepared for a chemical process emergency.

http://www.csb.gov/completed_investigations/docs/Synthron%20Final%20Report.pdf

RESOURCES

OSHA/EPA Occupational Chemical Database

OSHA and EPA jointly developed and maintain this database as a convenient reference for the occupational safety and health community.

<http://www.osha.gov/web/dep/chemicaldata/#target>



API Storage Tank Conference

Presentation on tank fire suppression and overfill protection.

http://www.api.org/meetings/proceedings/upload/Crawford_TankFireandOvervill.pdf

Biodiesel Handling and Use Guidelines

<http://www.nrel.gov/docs/fy06osti/40555.pdf>

Chemical Hazard Characterizations

The USEPA has released the first set of hazard characterizations on 101 high production volume (HPV) chemicals. EPA said the characterizations are based on its scientific review of the screening-level hazard, or toxicity, data that was submitted by the US chemical industry through the agency's HPV Challenge Program.

http://iaspub.epa.gov/opthpv/hpv_hc_characterization.get_report

Horticultural Industry Safety Guide WorkCover NSW

http://www.workcover.nsw.gov.au/Industry/Rural/horticulture_industry_safety_guide.htm

In the Factory

Pressure Relief Devices in Series

<http://sache.org/beacon/files/2006/11/en/read/2006-11-Beacon-s.pdf>

Pressure Relief Systems

Do you See Any Hazards Here?

<http://sache.org/beacon/files/2006/03/en/read/2006-03-Beacon-s.pdf>