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Don't get bitten: ignorance is no longer a valid excuse.

DANGEROUS GOODS NEWSLETTER

MAY
2014

Dear Terry,

Welcome to the latest edition of our newsletter. There have been a number of dangerous goods laws and legislation changes and amendments of late including:

The NSW Explosives Act and Explosives Regulation 2013: a range of Australian standards and codes, and a licensing and notification system, work together to regulate explosives, certain explosive precursors and fireworks were enacted late last year and replaced the previous 2005 codes.

Additional changes which took place from **1 March 2014** mean:

- you need a safety management plan to hold a manufacturing licence.
- you must notify WorkCover at least seven days before using explosives (*except for coal and mining workplaces*).
- The NSW Explosives Act has been amended to support these changes.

The Explosives Regulation 2013 requires all activities involving the handling of explosives and fireworks to be carried out in accordance with the licensing conditions and Australian Standards AS 2187 – Explosives: storage, transport and use. Australian code for the transport of explosives by road and rail. In relation to explosive precursors, activities must be carried out in accordance with the:

- Australian dangerous goods code
- Australian standard AS 4326: Storage and handling of oxidizing agents.

Store-Safe has designed and manufactured a premium range of magazines and stores for the compliant storage and transportation of explosives and pyrotechnics. For information, range and specifications please visit the Store-Safe web site.



[Explosives Magazines](#)

Want Industry Updates and product information more regularly? We have recently created a Facebook page for Store-Safe. We will be regularly updating industry information, industry papers and company news. As an example, we have just updated a link on our Facebook page for an informative article by AIDGC's Barry Bone' that appeared in Facility Management magazine on DGs in the workplace. Find us by clicking on the Facebook or Like Us logo at the top of this newsletter



Victoria: National Harmonisation of Work Health and Safety Laws

The Victorian Government has confirmed that Victoria will not adopt the national model workplace health and safety laws in their current form. The Government supports the principle of national harmonisation and continues to work towards best practice legislation. WorkSafe continues to enforce Victoria's existing occupational health and safety laws and regulations. This means that Victoria's workplaces need to refer to Victoria's codes and guidance materials for information about how to comply with Victoria's occupational health and safety laws.

For a complete interpretation, visit the WorkSafe website at: www.worksafe.vic.gov.au

Compliance Issues: In our last newsletter we published a warning against non-compliant dangerous goods stores that seem to be making their way onto the market. Most laboratories around Australia stipulate the requirement for the use of Australian Standards compliant cabinets. As an example, the NSW Dept of Educations stipulates:

Why use an Australian Standard compliant dangerous goods storage cabinet

Australian Standard compliant cabinets are designed to:

- protect the contents from damage.
- provide segregation between incompatible materials.
- contain small spills.
- in the event of a fire, provide some separation between the chemicals in the cabinet and a fire to facilitate the safe evacuation of the area.

Where should the chemical storage cabinets be located within the work area?

Chemical storage cabinets must not be positioned one above the other or in any area that will jeopardize an emergency exit path. To meet these requirements cabinets must not be positioned in corridors or under stairs and should be more than 3m away from any exit doors. For the complete guidelines for chemical storage requirements from the NSW Dept of Education, go to:

<http://sydney.edu.au/whs/guidelines/chemical/chemstor.shtml> Likewise, visit the web sites of other state's Depts of Education for their guidelines.



Dangerous Goods Cabinets

The Department of Natural Resources and Mines (WA) recently published an article entitled, "Use of hazardous substances at operating plants". The article highlights the need for spill response planning, training and equipment. In order to formalise these requirements, operators are required to develop a safety management plan (SMP).

As a critical part of the SMP, operators must ensure, "correct spill containment system for hazardous chemicals are onsite". An easy, cost effective and portable method of ensuring appropriate chemical storage and segregation regimes are in place is with the Australian made portable bunding system.

These portable bunds have a proven record in CSG, LNG, mining and Australian Military environments.

Store-Safe has a selection of bunding options available, including portable bunds. For further information visit the Store-Safe web site.



[Spill Containment](#)

The latest AIDGC Newsletter ([click Here](#)) contains a number of interesting articles and stories from around the world. Here are just a few :

Chemical Leak at Intel Plant in Arizona: A chemical leak at Intel Corp's manufacturing complex in Arizona has been contained and two workers were taken to hospital for observation, a spokesman for the chipmaker said on Monday. During a tool installation in a basement at the sprawling plant southeast of Phoenix a tube was severed, leading to a spill of around 100 gallons (379 liters) of ammonium hydroxide, said Intel spokesman Chuck Mulloy. Ten workers near the spill reported to the facility's medical station and two of those people were sent to hospital for observation. The spill was in a confined area and no chemicals have been exposed to the public.

Ghana Pipeline Explosion and Inferno: The Tema Oil Refinery (TOR) says it lost 300 metric tons of Naphtha from the inferno that gutted its pipelines and the loss is estimated at 280 000 dollars. Naphtha is a highly combustible liquid made from distilling petroleum. It looks like gasoline and is used to dilute heavy oil to help move through pipelines, to make high octane gas and even to clean metal. It is believed that there was a pipeline leak and Mr. Emmanuel Armah Kofi Buah, Minister of Energy and Petroleum, said at a press conference that the Ministry had mandated the Safety and Maintenance Unit of TOR to conduct integrity test and hardness test to determine whether the pipelines that got burnt should be replaced or repaired.

Fire at Chemical Plant in Ohio: Haverhill Chemicals released the following statement about the fire at its plant in Scioto County: A preliminary assessment of the fire at Haverhill Chemicals indicates a phenol pump and bearings failed. The bearing failure caused the seals on the pump to release a small amount of phenol. The heat caused by the bearing failure resulted in the isolated fire, which was quickly extinguished by the on-site emergency response team. There were no injuries. There was no impact offsite. Source: WSAZ3

Refinery Releases Sulphur Dioxide: Environmental officials say nearly 150 pounds of sulfur dioxide and fuel have been released into the air at the Delaware City Refinery. The Department of Natural Resources and Environmental Control said that the release happened due to a failed control valve. The release comes just about a week after the refinery released nearly 200 pounds of sulphur dioxide into the air. The Department of Natural Resources and Environmental Control had said the earlier release was caused by a mechanical problem that was corrected.

Chemical Storage Fire at Recycling Plant: About 100 fire fighters tackled a huge blaze at a building

used for storing chemicals on the edge of a city centre in England last month. The fire at Tradpak Recycling spread to two other buildings but crews managed to save four other businesses on the industrial estate, officers said.

Area manager Ian Dunkley, from West Yorkshire Fire & Rescue, told Sky News: "It's been a really big job." "We've had approximately 100 fire fighters on scene - 15 fire fighting appliances, two aerial platforms, a high volume pumps and various support appliances."

Mr. Dunkley said: "When the initial crews arrived the fire was well developed and there was a series of large explosions where LPG cylinders were involved in the fire." "Unfortunately two premises have succumbed to the fire but we've managed to save four surrounding companies and their premises, which is a really good effort by the fire fighters in the initial stages."

Wisconsin Workers Injured by Acid Mixture : Following injuries to seven workers at Cooper Power Systems LLC, including chemical burns to the skin and irritation to their respiratory tracts requiring urgent medical treatment, OSHA cited the company for six violations, including two wilful violations. The workers were injured after exposure to an acid mixture while cleaning a spill that occurred at the facility on Oct. 30, 2013. The company was cited for failing to provide workers with required protective equipment to prevent exposure and failure to provide required training in hazardous material clean-up procedures. The citations carry proposed penalties of \$166,000.

Florida Gaol Gas Blast: A gas explosion at a Florida jail has left up to 150 inmates and corrections officers hurt. The blast triggered the partial collapse of Escambia County jail's booking facility building. Around 600 inmates were in the building when the explosion happened.

Ten Die of Suffocation: Chemical Waste. At least 10 people died of suffocation and eight others fell unconscious while passing through a water channel which carries chemical waste from industries mainly from Chasma Sugar Mills-2 to the Indus River in Pakistan. "Most of them died from suffocation as due to chemical wastes there was shortage of oxygen, and when these people were passing thorough this water channel they fell unconscious and subsequently died," Dr Jehangir, a local who runs a clinic in the area said.

Most of these people used to cross this water channel in Paloon area of Ramak on a daily basis for household activities and farming. The water channel, usually crossed on foot by the locals, is less than two feet deep and mainly carries waste from the mill.

Explosion and Toxic Gas in Gold Mine: An explosion at a gold mine in the north western Colombian municipality of Buritica killed four miners and incapacitated a further 65 by toxic gas inhalation, according to Cesar Hernandez, the head of the country's DAPARD disaster-prevention agency. Some of the injured suffered carbon monoxide poisoning. Many are still buried underground in the illegal mine.

And finally – here is a list of **serious industrial accidents** that took place in the first quarter of 2014 – note that there are **NO** Australian incidents listed!

USA - Texas, Crews extinguish fire at pipeline facility in La Por

USA - Crews recover estimated 20,000 gallons after tanker car leaks ethanol in a Phoenix railroad yard.

Germany - Fire in Toluene Tank, Shell Rhineland Refinery Cologne.

Japan - Chemical plant explosion: 5 killed, 17 hurt.

Canada - Crude Oil train derails in New Brunswick.

USA - Chemical Spill Creates Emergency in West Virginia.

Russia - Murmansk oil storage facilities on fire.

Canada - Tank spills 2220,000 gallons of asphalt oil in West Vancouver.

USA - New Albany biodiesel plant explosion under investigation.

Nigeria - Fuel tanker explodes, kills 2.
USA - Crews battle 11 tank battery fire.
China - 7 dead in Indian oil tanker blast in Zhejiang.
Russia - Rosneft Halts 340,000 bpd Ryazan Refinery After Fire.
Korea - Two Coast Guards Stem Oil Spill off Port of Busan.
Pakistan - Gas Pipeline Explodes, Kills Two.
China - Liquid Nitrogen Release Results in 4 Deaths.
India - Mumbai, Massive fire breaks out at warehouse of CEAT Tyres, 4 people injured.
Japan - Fire hits unit at Kawasaki refinery, injures six.
Russia - Nizhnekamsk Refinery to Halt Gasoline Output After Fire.
New Zealand - Christchurch Fire Service works to clear 1 million litres of leaked fuel.
USA - Static electricity possibly behind Colorado oil and gas well explosion.
China - 31 killed in tanker explosion.
Argentina - Fire Extinguished at YPF Oil Depot 14 - 17 People Injured.

We hope that you have found our newsletter interesting and informative. Should you require any assistance or advice, feel free to contact our offices during business hours. For any product information or technical specifications visit our web site at store-safe.com or visit our Facebook page.

Kind regards,

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