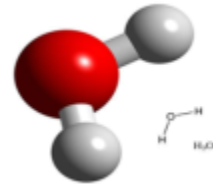


Chemical Management System

What's the

News?

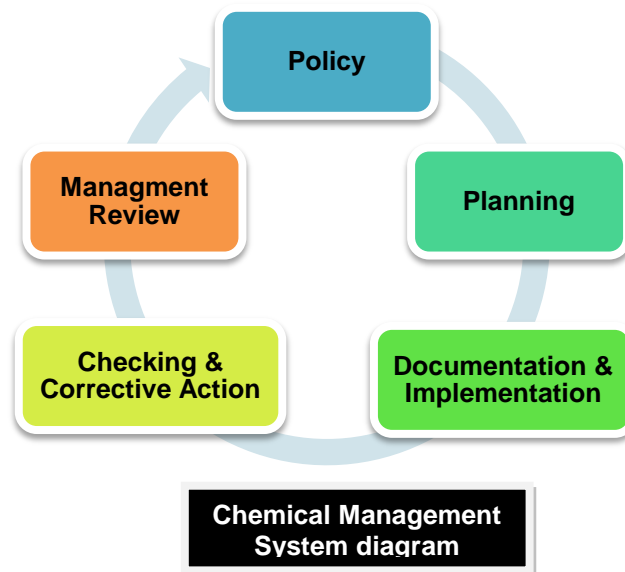


Chemical Management Systems play a crucial role in today's industrial market.

AM Sales & Marketing Sdn. Bhd. provides HRDF fully claimable Chemical Management and Emergency Spill Control Course!

Chemical Management System

Chemical Management Systems provide better chemical performance, labor savings, improved employee safety and eco-responsibility.



What is HAZOP?

Hazard and Operability Studies, or in more common term HAZOP, is a structured and systematic examination of a planned or existing process or operation in order to identify and evaluate problems that may represent risks to personnel or equipment, or prevent efficient operation. A HAZOP is a qualitative technique based on guide-words and is carried out by a multi-disciplinary team (HAZOP team).

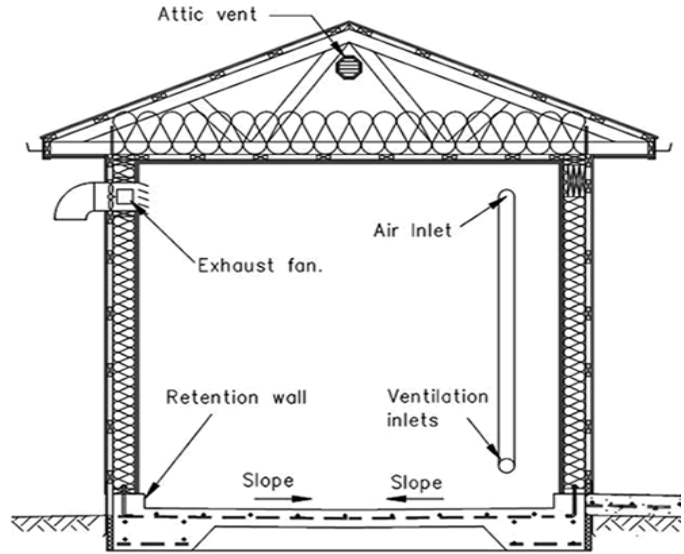
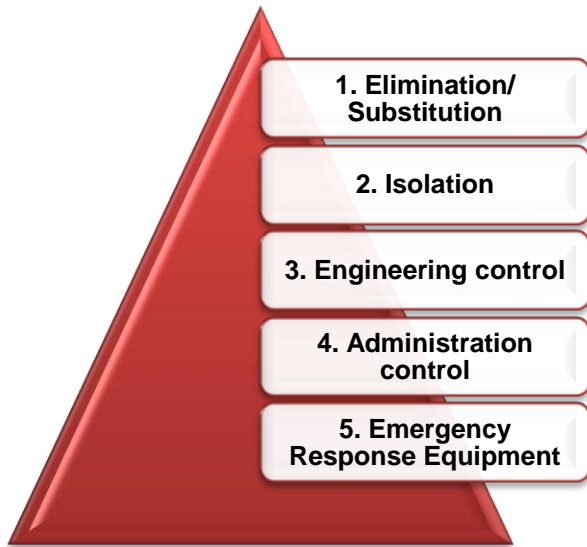
What is Risk Assessment?

Risk is defined as the likelihood of an adverse outcome. These are then incorporated to formulate some index that will indicate the extent of risk involved.

$$\text{Risk} = \text{Severity} \times \text{Likelihood}$$

The intolerable risk levels may be further divided into higher and lower risks to prioritize mitigation actions.

What are the Mitigation Actions in Chemical Management?



Spill Collection Slope & Drainage

What Do We Offer?

AM SALES & MARKETING SDN. BHD. is HRDF certified trainer offering Chemical Management and Emergency Spill Control Course, which is a one day training program. It is specially designed to educate and disseminate idea to the chemical users, emergency response committee members and layperson on the chemical management and emergency spill control.



Why Should We Conduct Chemical Management Training?

- Correction Action
- Information & Experience Sharing
- Compliant to:
 - USEHH 2000*
 - ISO 14001:2004
 - OHSAS 18001:2007
 - EQA 1974
 - FMA 1967
- Incident Mitigation
- Create Awareness
- Avoid Accidents (See the following section for more NEWS!)

***USECHH 2000- Regulation 22**

(1) An employer who undertakes work which may expose or is likely to expose his employees to chemicals hazardous to health shall provide the employees with such information, instruction and training as may be necessary to enable them to know:-

- (a) The risk to health created by such exposure and
- (b) The precautions which should be taken



Accident Due to Inhalation of the Toxic Gas



KUALA SELANGOR, August 12—6 workers died from inhalation of the toxic gas (H_2S), on August 11, 2009 at about 8.45 am in a private fisherman jetty at Tanjung Karang, Kuala Selangor.

Investigation found out that the jetty is also used to keep and store stock of fishes that have been discarded from the sorting out process of the daily harvest from the sea. They are kept in the storage compartment (contained seawater and cooled by cooling gas chlorofluoromethane or R22) for a few days before it is sent to a processing fertilizer or fishmeal plant.

Gas measurement carried out on 12, 13 and 14 August 2009 showed that there was presence of hydrogen sulfide (H_2S). The highest rate recorded was 172 ppm measured on August 12, 2009. This rate is higher than 100ppm, which is the IDLH (Immediate Dangerous to Life or Health) level.

Fire and Explosion in a LPG Storage Facility

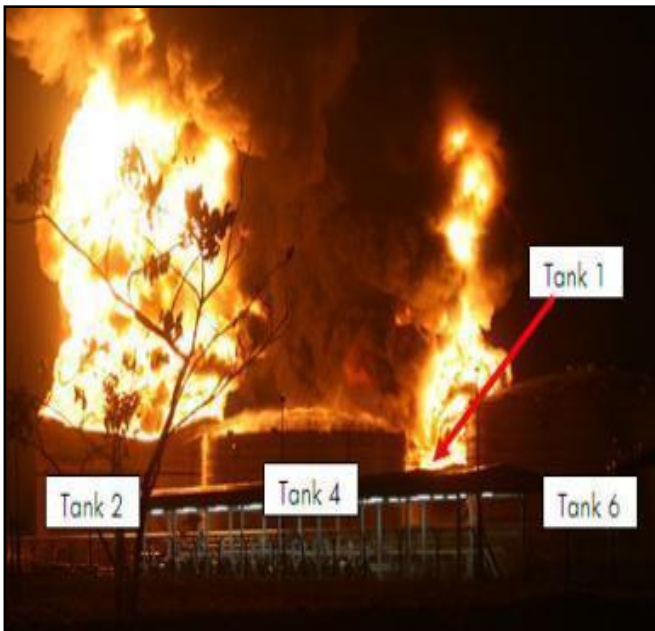


JOHOR BAHRU, April 10—There was a fire and explosion somewhere in Johor Bahru involving the storage and sales of compressed liquefied petroleum gas (LPG) facility owned by the distributor on 9th April 2008.

The accident caused the deaths of 3 workers who were undertaking some work in the premises. The building roof structures were badly damaged, 2 lorries were destroyed and 4 adjoining buildings were affected by the fire.

It is believed the leakages from some of the LPG cylinders stored in the premises and the source of ignition in the facility contributed to the accident.

Fire on Petroleum Bulk Storage Tank



SOUTH MALAYSIA, August 19—A huge fire and explosion involving two units of bulk storage tanks took place on 17th August 2008 at a terminal located at the south of Malaysia. The bulk storage tanks are used for the storage of petroleum products for export.

Tank 1 which contains unleaded gasoline (ULG) was reported to be on fire on 17th August and the fire spread to Tank 2 due to heavy wind and ensuing flame on the next day.

DOSH's Forensic Engineering Division and the state officer investigation team visited the accident scene and observed that many parts inside tanks 5 and 7, especially the internal floating roof (IFR) sustained failures, which is one of the focuses of the investigation.

Establish a complete **Chemical Management System** for your factories today by making enquiry at info@amsales.com.my or call 603-6157 8822 **NOW!**



"The Preferred Industrial Solutions Provider"

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