



47th ILO-CIS Annual Meeting, 22-23 Oct 2009, Geneva

Dr Sweet-Far HO
Director (Occupational Safety and Health Specialist)
Occupational Safety & Health Division
Ministry of Manpower, Singapore





Our Vision

**A safe and healthy workplace for everyone;
A country renowned for best practices in
workplace safety and health**



Information Sharing and WSH promotion

- **MOM Website**



- WSH Council Portal



- eAlerts on WSH (WSH Alerts)
- National WSH Campaign
- Leveraging on media to heighten awareness of WSH issues
- WSH Outreach



Virtual Centre for your Manpower Needs

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| <p>» Employer</p> <ul style="list-style-type: none"> » An Employer's Role » Developing a Competitive Workforce » Labour Market Information » Employment Agencies <p>more...</p> | <p>» Employee</p> <ul style="list-style-type: none"> » Know Your Employment Rights » Career Planning, Job Assistance & Training » Income Security » Applying to Work in Singapore <p>more...</p> | <p>» Work Pass</p> <ul style="list-style-type: none"> » Employment Pass » S Pass » Work Permit (Foreign Worker) » Work Permit (Foreign Domestic Worker) <p>more...</p> | <p>» Workplace Relations and Standards</p> <ul style="list-style-type: none"> » Employment Standards » Good Employment Practices » Work-Life Harmony » Trade Unions <p>more...</p> | <p>» Workplace Safety and Health (WSH)</p> <ul style="list-style-type: none"> » Planning for a Safe & Healthy Workplace » Maintaining a Safe & Healthy Workplace » Building WSH Capabilities » Report Workplace Incidents (Accidents and Diseases) <p>more...</p> |
|--|---|---|---|--|

Highlights

Labour Market Highlights 2009
 The Labour Market Highlights 2009, a joint publication by MOM and WDA, provides industry and occupational information on jobs in demand across 16 industry groups. It aims to help job seekers make more informed career choices.

Advisories for Influenza A (H1N1-2009)
 Latest advisories and FAQs on how businesses and employees can respond effectively to Influenza A (H1N1-2009).

TAFEP Exemplary Employer Award
 TAFEP is looking for exemplary employers that adopt fair and progressive employment practices at the workplace. Nominate your

--- I want to ---

Services & Forms

- » Work Permit Online (WPOL) (For Business & Employment Agency Users)
- » Work Permit Online (WPOL) (For Employers of Foreign Domestic Workers)
- » Employment Pass Online (EPOL)
- » Consultation on Employment Act
- » Make an Appointment at Employment Pass Services Centre
- » Self Assessment Test for Employment / S Pass (To check if you qualify for an Employment or S Pass)



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[Workplace Relations and Standards](#)

[Workplace Safety and Health](#)



[FAQs](#)
(Frequently Asked Questions)

Workplace Safety and Health

» Planning for a Safe and Healthy Workplace

- » [The Occupational Safety and Health \(OSH\) Framework](#)
- » [Registration for Workplaces \(Licences\)](#)
- » [Registration for Pressure Vessels and Lifting Equipment](#)

[more...](#)

» Maintaining a Safe and Healthy Workplace

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- » [Developing Competencies through Training](#)
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- » [Workplace Hazard Service Providers](#)
- » [Application to Provide Equipment & Services](#)

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» Reports and Statistics

- » [Annual Reports & Work Health Reports](#)
- » [Workplace Safety & Health Statistics](#)

[more...](#)



Good Practices in Health Hazards Control

This compilation features case studies of workplace health hazards control in Singapore. To search for cases, select one or more of the fields below.

Click LIST ALL to view the lists of case studies.

| | |
|-----------------|---|
| Hazards | <input type="text" value="Chemical"/> |
| Industry | <input type="text" value="Metal Working and Machinery"/> <input type="text" value="Paper and paper products"/> <input type="text" value="Pharmaceutical"/> <input type="text" value="Printing"/> <input type="text" value="Retail, business, hotel & catering, healthcare and other services"/> <input type="text" value="Transport equipment"/> |
| Keywords | <input type="text"/> |
| | <input type="button" value="Search"/> <input type="button" value="List All"/> |

* To select more than one industry type, click on the industry while pressing your CTRL button.

Database comprises case studies, from the experiences of past WSH Award winners :

- Noise
- Chemical
- Ergonomics & Indoor Air Quality
- Safety

[Glossary](#) | [Contributors](#)

Noise control for chemical coating process

| | |
|---------------------|---|
| Problem | <p>Excessive noise was generated from the coating process which applied a layer of chemical on the soleplates of irons.</p> <p>The noise sources were:</p> <ol style="list-style-type: none">1) Air curtain of the oven2) Hot air blower3) Power chain drive |
| Solution | <p>The following controls were implemented:</p> <ol style="list-style-type: none">1) The inlet diameter of the air curtain of the oven was increased from 25 mm to 40 mm. In addition, the surface roughness of the outlet was reduced.2) The hot air blower was insulated with acoustic foam.3) The power chain drive was replaced with a timing belt drive. |
| Illustration |  |
| Cost | \$53,000 |
| Achievements | <p>Before control: 90 dBA After control: 79 dBA Noise reduction: 11 dBA</p> <p><u>Award :</u> Occupational Health Best Practices (Noise Control) Award (Merit)</p> |
| Industry | Metal Working and Machinery |
| Year | 2005 |

Print Friendly Format

Back

<http://www.casestudy.mom.gov.sg/casestudy/case-st...>



Modified air curtain



[Home](#) > [Workplace Safety and Health](#) > [Building Capabilities](#) > [Managing Workplace Hazards](#)

Managing Workplace Hazards

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Guidelines Factsheets and Circulars

Publications on managing workplace hazards are available on the following topics:

- › [Air Quality](#)
- › [Biological](#)
- › [Chemicals](#)
- › [Diseases](#)
- › [Ergonomics](#)
- › [Explosion/Fire](#)
- › [Machinery/Equipment](#)
- › [Noise and Vibration](#)
- › [ProBE Technical Advisories](#)
- › [Safety](#)
- › [Workplace Safety and Health Act and Subsidiary Legislations Guides](#)
- › [Workplace Safety and Health Posters](#)

Occupational Safety and Health Risk Compendiums

Download the OSH Risk Compendiums which covers topics from the various industries.

- › [Chemical](#)
- › [Construction](#)
- › [Metalworking](#)
- › [Shipyard](#)

Approved Codes of Practice Made Under Section 39 of the Workplace Safety and Health Act

In accordance with section 39 (3) of the Workplace Safety and Health Act 2006, the Commissioner has approved 23 Codes of Practice for the purpose of providing practical guidance on safety and health to the industry. The Approved Codes of Practice (ACOP) is intended to be used as a yardstick to assess whether reasonable practical measures have been taken in regards to the upkeep of safety and health standards at the workplace. A notice of the issue of the ACOPs has been published in the [Government Gazette](#).

All the Code of Practices and Singapore Standards listed below are published by SPRING Singapore and can be purchased at www.singaporestandardseshop.sg

- **CP 14: 1996**
Code of Practice for Scaffolds
- **CP 20: 1999**



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[Work Pass](#)

[Workplace Relations and Standards](#)

[Workplace Safety and Health](#)



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- » [Safety and Health Management System](#)
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Collection of Workplace Incident Data via iReport

online reporting system for accidents, dangerous occurrences and occupational diseases

<http://160.96.185.83/ESvcController?system=spanp&module=internet> - (MND 200703)

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Print Mail News My Web Answers Mail Movies News My Yahoo! Sign in

Address <http://160.96.185.83/ESvcController?system=spanp&module=internet> Go

Y! spring singap Search Web My Web Answers Mail Movies News My Yahoo! Sign in

MINISTRY OF MANPOWER

Singapore Government
Integrity • Service • Excellence

Welcome to iReport

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iReport is an online reporting system for:

- Accidents, [Dangerous Occurrences](#) and [Occupational Diseases](#) under the Workplace Safety and Health (WSHA), (Incident Reporting) Regulations and/ or
- Accidents and Occupational Diseases under the Workmen's Compensation Act (WCA)

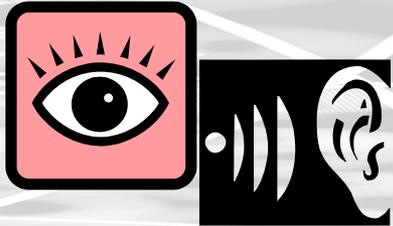
Immediate notification for fatal cases and dangerous occurrences

| I want to report | Other Functions | Useful Guides |
|---|--|--|
| <ul style="list-style-type: none">An accident An accident occurring in the course of a person's work that resulted in death or injury and reportable under WSHA and/or WCA.A dangerous occurrence A dangerous occurrence is a serious workplace incident but which may or may not involve the death or injury of any person at work. Only dangerous occurrences listed in WSHA need to be reported to MOM.An occupational disease A disease contracted as a result of an exposure to risk factors from work activity. Only occupational diseases listed in WSHA and WCA need to be reported to MOM. | <ul style="list-style-type: none">Retrieve a draft notification After saving your notification, you can retrieve your draft notification for review and completion before submission.View Submitted Notification After submitting your notification, you can retrieve your notification for print and download as PDF.Update the number of days of medical leave for a notification submitted earlier If there is an extension of medical leave you can update the number of additional days for the notification you had earlier submitted. | <ul style="list-style-type: none">Guide to Workplace Safety and Health (Incident Reporting) RegulationsGuide to Workplace Safety and Health ActGuide to Workmen's compensation ActUser Guides for iReport |

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“Leveraging on public’s eyes and ears”



“What happens if one of the children gets injured? It's an accident waiting to happen.”

Photos taken by members of public sent via email or MMS

**Ministry of Manpower Safety Hotline:
63171111**

Singapore – Workplace Safety and Health Facts

| Workplace Injuries | Year 2008 | |
|---------------------------------|-----------|-------------------------------------|
| | Number | Rate (per 100,000 employed persons) |
| Fatalities | 67 | 2.8 |
| Non- Fatal Injuries | 11,005 | 466 |
| Accident Frequency Rate | | 1.9 |
| Accident Severity Rate | | 112 |
| Occupational Diseases (Chronic) | 855 | 36.2 |

| Occupational Disease | Year 2008 |
|---|------------|
| Total number of cases | 855 |
| Noise Induced Deafness | 743 (87%) |
| Occupational Skin Diseases | 66 (8%) |
| Work-related Musculoskeletal Disorder | 5 (1%) |
| Excessive Absorption of Chemicals (EAC) | 11 (1%) |
| Chemical Poisoning | 8 (1%) |
| Compressed Air Illness | 7 (1%) |
| Barotrauma | 5 (1%) |
| Occupational Lung Diseases | 5 (1%) |
| Others | 5 (1%) |



Information Sharing and WSH promotion

- MOM Website



- WSH Council Portal



- eAlerts on WSH (WSH Alerts)
- National WSH Campaign
- Leveraging on media to heighten awareness of WSH issues WSH Outreach



A safe and healthy workplace for everyone

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- WSH 2018
- ProBE
- bizSAFE
- RMAF
- ConSASS
- Awards
- NWSH Campaign
- WSH Training
- Resources
- Events Calendar
- Work at Height
- Archives



www.wshc.gov.sg

Workplace Safety & Health Council

The Workplace Safety and Health (WSH) Council was formed on 1 April 2008. This is a step-up from its precursor the WSH Advisory Committee (WSHAC) which was formed in September 2005. The Council has statutory powers and more muscle to lead and partner the industry in engagement and capability building efforts.

Highlights



10 Sep 2009

National Crane Safety Taskforce Recommends Approach to Improve Crane Safety Standards

The Ministry of Manpower (MOM) and the Workplace Safety and Health Council have formed a National Crane Safety Taskforce to improve the safety of crane operations. The Taskforce has published a [Crane Safety Analysis and Recommendation Report](#)

Quick Links





Educational Materials on WSH

Compliance Assistance Checklist



5 Maxwell Road
230-50 Tower Block
RND Complex
Singapore 069110
Fax (65) 6324 7578
contact@wshc.gov.sg
www.wshc.gov.sg

| COMPLIANCE | |
|-----------------|---|
| Demolition Plan | |
| 1 | A demolition plan |
| 2 | A method statement |
| 3 | The Project Manager personnel direct demolition works |
| 4 | A risk assessment |
| 5 | Safe Work Procedure |
| Permit-to-Work | |
| 6 | A permit-to-work |
| 7 | A project manager |
| 8 | A safety assessment |



CHECKLIST FOR FIXED MOUNT TOWER CRANE USERS

This checklist provides an overview of the basic requirements which would help to ensure that a tower crane is safe for use. Tower crane users should work with suppliers/owners to meet these minimum requirements and address any concerns before the use of these lifting equipment.

The items in this checklist are non-exhaustive and users are encouraged to make modification and customisation to suit to your work processes and conditions of the workplace.

| A. EQUIPMENT APPROVED FOR USE | SUGGESTED EVIDENCE | Yes | No |
|---|--------------------------|--------------------------|--------------------------|
| 1. Tower crane is of type-approved by MOM. (legislated with effect from 1 April 2004) | • Type approval document | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Tower crane is certified to meet the requirements of the relevant standards. | | <input type="checkbox"/> | <input type="checkbox"/> |



Technical Advisories For Priority Areas

Guidelines on WSH

Educational Materials on WSH



Brochures on biz SAFE programmes

Going on to level 2 and 3

For Level 2, your enterprise must undertake a Risk Management (RM) Champion course and the bizSAFE RM Course. At the end of the course, the RM Champion must start out the RM Implementation Plan for your company. Your enterprise will then be upgraded to bizSAFE Level 2. Level 2 requires your company to fully implement bizSAFE Plan.

The journey continues

For Level 4, your enterprise must select a Workplace Safety and Health Management System (WMSMS) Programme Lead to attend the bizSAFE WMSMS Course. With the acquired knowledge, the WMSMS Programme Lead must develop a WMSMS Management Plan for your enterprise. Upon completion, your enterprise will be upgraded to bizSAFE Level 4. To achieve bizSAFE Level 4, your enterprise must engage an independent third party certification company to certify that your WMSMS meets ISO 45001 in its workplace.

For more information on how to participate in the bizSAFE Programme visit the bizSAFE website at www.bizsafe.sg

WSHAC
Workplace Safety and Health Agency



Protect your employees by
Building Safety and Health in your Business



Occupational Safety & Health Technical Advisory
Safe Operation of Forklift Truck

MINISTRY OF MANPOWER **WSHAC**
Workplace Safety and Health Agency



National OSH
PROGRAMME-BASED ENGAGEMENT (PBE)
Building a safer workplace together
Programmes for 2007

MINISTRY OF MANPOWER **WSHAC**
Workplace Safety and Health Agency

ProBE

Programme-Based Engagement
Technical Advisory for Work in Noisy Environment
- Working Construction Programme

WSHAC
Workplace Safety and Health Agency

Brochures on PROBE programmes

SHINE newsletter

shine
SAFETY • HEALTH • INSPIRES • Everyone

Issue 08
DEC 2007

03 a feminine touch
TWO new titles in the fully-illustrated, on-line, web-based quarterly publication

06 breathe easy
Learn about the health hazards of early morning and the job safety analysis

08 the WSH act
It's not just - regarding to all new articles, books and more!

Celebrating the Best
The WSH Awards 2007 celebrates Singapore's best in safety and health

WSHAC
Workplace Safety and Health Agency



A safe and healthy workplace for everyone

Web Site [input] Go

- WSH 2018
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bizSAFE
RMAF
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Work at Height
Archives



- Banners
Flyers
Logos
Videos
Posters

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Quick Links





Workplace Safety & Health Council

Banners



Logos



Posters For Different Industries

Flyers



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Videos

WSH Exhibition Accident Case Studies Animation

- [Hand crushed by power press](#)
- [Introduction](#)
- [Fall from height](#)
- [Crushed by gantry crane](#)
- [Finger amputated by machine](#)
- [Hazards in confined space](#)
- [Fire and explosion hazards](#)

Case Studies

- [Worker who lost right arm in work accident](#)
- [Noise Induced Deafness Prevention](#)

Shipyards Safety Video

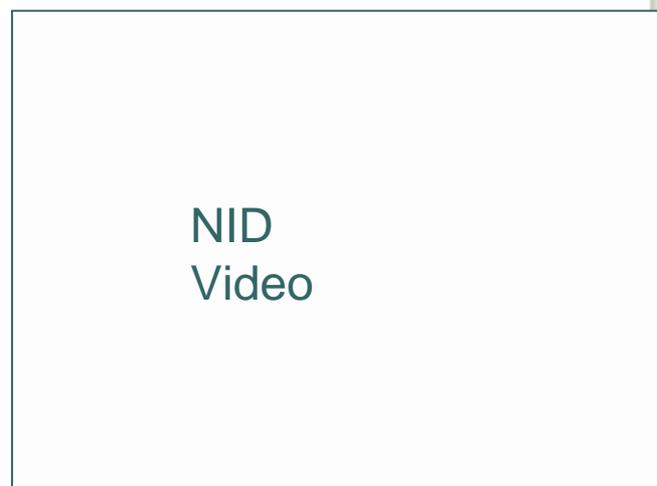
- [English subtitles](#)
- [Mandarin subtitles](#)
- [Tamil subtitles](#)
- [Bengali subtitles](#)

Guide to Workplace Safety & Health Videos

- [Risk Management](#)
- [WSHC & bizSAFE](#)
- [WSH Framework](#)

Safety@Work Creative Awards Animation Design Past Winners

- [Gold Award \(Life is Short\) - 2008](#)
- [Silver Award \(Falling Bricks\) - 2008](#)
- [Bronze Award \(The Cleaner\) - 2008](#)
- [Judges' Choice Award \(Safety Harness\) - 2008](#)
- [Commendation Award \(News Stand\) - 2008](#)



NID
Video

- WSH 2015
- ProBE
- bizSAFE
- RMAF
- ConSASS
- Awards
- NWSH Campaign
- WSH Training
- Resources
- Events Calendar



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Useful Links

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Local Partners

[Association of Singapore Marine Industries \(ASMI\)](#)

[Association of Small and Medium Enterprises \(ASME\)](#)

[Institution of Engineers Singapore \(IES\)](#)

[Ministry of Manpower \(MOM\)](#)

[National Trade Union Congress \(NTUC\)](#)

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International Links

[Canadian Centre for Occupational Safety and Health](#)

[European Agency for Safety and Health at Work](#)

[Germany: Federal Ministry of Labour and Social Affairs](#)

[Health and Safety Laboratory - United Kingdom](#)

[Hong Kong Occupational Safety and Health Council](#)

[HSE - Health and Safety Commission \(Great Britain\) - Health and Safety Executive](#)

[International Labour Organization - Programme on Safety and Health at Work and the Environment \(SafeWork\)](#)

[Japan International Center for Occupational Safety and Health](#)

[Japan International Center for Occupational Safety and Health - Case Studies](#)

[National Institute for Occupational Safety and Health \(NIOSH\) - United States](#)

[OSHA Etools and Products for Compliance Assistance](#)

[Swedish Work Environment Authority](#)

[Trade Union Congress - United Kingdom](#)

[U.S. - MedlinePlus \(U.S. National Library of Medicine and National Institutes of Health\)](#)

[U.S Department of Labor - Occupational Safety and Health Administration](#)

[Victorian WorkCover Authority](#)



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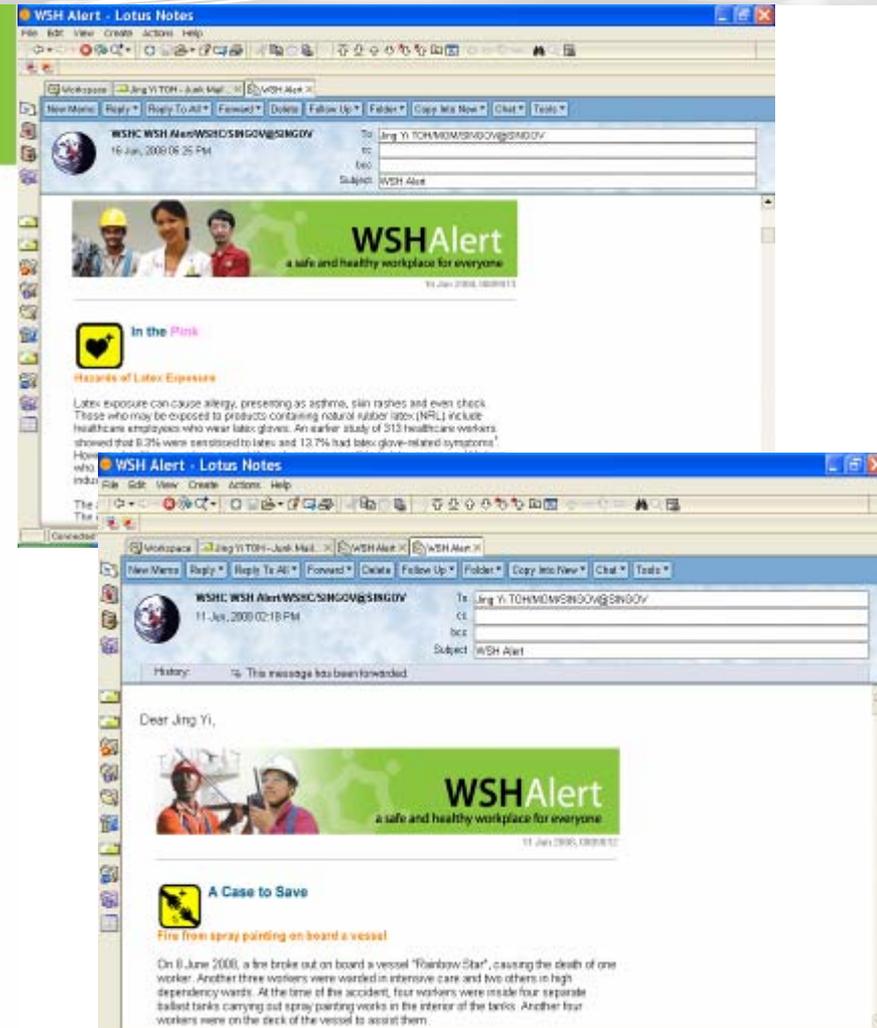
E-alert on WSH



WSHAlert
a safe and healthy workplace for everyone

BE IN THE KNOW

The latest updates on Workplace Safety and Health (WSH) issues, industry best practices, WSH statistics, legislation, courses and seminars - BE IN THE KNOW, with WSH Alert.



Actions Help

Sweet Far... > Fw: [NIDP... > Fw: [For In... > Fw: Notific... > Fw: Updat... > Re: Fw: R... > Fw: Re... > Title: P... > WHO

Reply To All Forward Delete Follow Up Folder Copy Into New Chat Tools

HC WSH
etin/WSHC/SINGOV@SINGOV
/2009 06:25 PM

To Sweet Far HO/MOM/SINGOV@SINGOV
cc
bcc
Subject Flash Fire in Confined Space

Flash Fire in Confined Space

On 2009-06-25, a team of 6 workers was doing roller painting in a confined space when a flash fire occurred. All the workers managed to climb out of the confined space. 4 of the workers sustained burns while 2 others were unhurt. One of the injured workers died due to complications arising from inhalational injury and extensive burns.

Key Findings

The investigation revealed that the flash fire was caused by the accumulation of flammable vapours and the use of poorly maintained non-flame proof lighting in the confined space. The preparation of the paint mixture in the confined space had accelerated the formation of flammable vapours, which could not be effectively diluted by the forced ventilation provided. There were no established procedures for eliminating the risk of vapour accumulation, and for the continuous monitoring of flammable vapour levels. Flame proof lighting was also not provided.

For more details and information, click [Here](#) for the Lessons Learnt Case Report. Key findings in safety and recommendations are highlighted to prevent similar incidents from happening.



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National Workplace Safety and Health Campaign



The National Workplace Safety and Health (NWSH) Campaign 2009 is three months long this year with a bigger and better spread of programmes. It offers over 100 activities targeting a wide range of stakeholders and industries.

"Safety Starts With Me" continues to be the Campaign theme reinforcing the message that each and every person plays a part in creating safer and healthier workplaces.

WSH 2018 Photo Mural



This year's Campaign will also feature the new national strategy plan WSH 2018 to help Singapore achieve world class safety standards.

Employers, employees and the public are invited to be a part of WSH 2018. Simply take a photo with a 'Safety Starts With Me' tag and submit to photo@wsh2018.com.sg by 30 June 2009. For more detailed information on how to submit the photo, please click [here](#).

Launch Event

The Campaign will launch on 28 April 2009, with a Campaign roadshow lasting till 3 May 2009. Our very first 'Safety starts with me' Competition Showcase will also be unveiled at the Campaign launch.

Check out the Roadshow at the Suntec City Tropics Atrium from 1130am to 830pm. See [flyer](#) for more details.

[Speech](#) by Minister for Manpower, Mr Gan Kim Yong

[Speech](#) by Chairman WSH Council, Mr Lee Tzu Yang

Winning entries of Safety Starts With Me competition

[Creative Story Writing](#)

[Creative Photography](#)

[Poster Drawing](#)

[Video and Short Film](#)

[3D Modelling](#)



Promoting the Benefits of WSH and Recognising Best Practices

National Workplace Safety & Health (NWSH) Campaign



WSH Council 40-foot container exhibition



Spot the hazards contest



Safety and Health magazine for workers

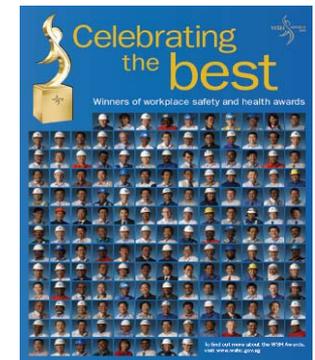


Ads on-the-move! Buses bearing the shine@work theme and messages



Large format posters on worksite hoardings

Recognizing enterprises and individuals with good OSH Practices





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Leveraging on media to maximize exposure to raise awareness

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Safety push zooms in on scaffolds

steel and put together with metal joints, and with wooden planks as working platforms — are set up to provide access to high and hard-to-reach places like the external surfaces of buildings and ships. Workers climb on them to carry out tasks like painting, welding, or even jobs charging a light bulb.



CARELESS: While poorly built scaffolds — such as those missing the guard rails required to keep workers from falling — are a key problem, there are also workers who do not attach their harnesses to the struts, a requirement for anyone working above a height of 2m.

The Manpower Ministry, which regulates workplace safety and carries out inspections, says poorly built scaffolds are a key problem. One in four scaffolds that its inspectors checked in the last six months was missing the guard rails required to keep workers from falling.

There are also careless workers who do not attach their harnesses to the scaffolds, a requirement for anyone working above a height of 2m.

In construction, about 80 per cent of scaffold deaths resulted after the workers fell themselves, and the rest were due to scaffold collapse. In shipyards, all the fatal falls occurred after workers fell.

Safety consultant Lim Boon Khoo said: "One of the main problems is that workers don't learn how to take care of themselves properly."

Even when they have harnesses, some workers just hook them on aggressively instead of at the proper anchor points, which are designed to take their weight when they fall.

At Transvert — one of about 200 local contractors specialising in building scaffolds — the week-long drill for workers is to ensure that they build the scaffolds properly, without falling in the process, said its executive director, Dr Anandhan Wan.

He had thought up the military-like drill himself, based on his national service experience.

"This is a very dangerous profession, and classroom courses don't give workers enough sense of the heights they need to work at," said the 29-year-old, who spent his first four years at the family-owned firm setting up scaffolds alongside his workers.

Workplace safety has become a national priority after a series of serious workplace accidents in recent years.

The Government has pledged to raise Singapore's workplace safety standards to the level of the topmost developed countries by 2015. About five in 100,000 workers die here each year, double the number in the next countries like Britain and Sweden.

A new law, the Workplace Safety and Health Act, was put in place this March

when a scaffold at a Changi construction site collapsed, killing a 19-year-old foreign worker and injuring eight others.

Preliminary investigations showed that the struts that secure a scaffolding to a building had been removed without permission, causing the collapse. The investigation is proceeding.

Some industry players also blame the lack of knowledge and awareness of those

scenarists, also, and makes the scaffold too easy to use," he said.

His company has doubts, but several he had been injured.

Last December, a 2 of six scaffold contractors together to set up the A and Scaffold Industry

association to raise the industry safety standards.

Its president, Mr. Tan, the director of Scaffoldings and Scaffolding, said the group had been signing up members and has about 50 members

quarter of the industry. Its first major activity is a seminar to help the players understand the approach taken by the

Ministry. Manpower Ministry inspectors visited 56 scaffold sites and issued 312 fines for infringements, totalling \$64,500. Four of those sites were slapped with stop-work orders.

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人力部發言人(前)前所建中的中央橋，檢查工處建築員使用。

防止鷹架意外措施有效 新安全计划可能扩至其他行业

唐海国 报道 21 Mar '06, ST, pp. 9

人力部在去年八九月推出该项计划前，去年首9个月涉及鹰架的意外每月平均7.4起，有一人致命。不过，计划推出后，同类型意外每月平均减少至5.7起，也没有人死亡。

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MOM takes new tack to beef up work safety

21 Mar '06, ST, pp. 9

High-risk workplaces it is focusing on this year: metalworking factories, shipyards

By David Leo

IT'S the shipyards and metalworks, the factories, that to ensure safer working conditions after the authorities come down hard on the construction industry last year.

The Manpower Ministry (MOM) yesterday launched a new programme, JobPod Probe (Programme-Based Engagement), to protect workers from dangers like

falling from heights or getting caught by machinery.

The danger zones identified for workers this year are: falling from heights and unsafe scaffolding in both construction sites and shipyards, confined spaces like oil tanks and pressure vessels on ships, and metalworking factories.

There were packed because they account for a large number of accidents.

For example, falls from heights caused half of all fatal accidents at construction sites, and about one-third of those in shipyards.

Scaffolding at construction sites were identified last September as a danger spot during the pilot phase for Probe.

And there have been fewer accidents since then, and the MOM's annual survey of workplace safety and health shows.

Accidents caused by scaffolding have dropped from an average of 7.4 a month between last January and September to 5.7 accidents a month since October.

Scaffolding are used for both building construction and ship repairs where elevated work is required on elevated areas.

In metalworking factories, there is a danger of workers being crushed by the machines they work with, said Ms. Thane Ann Poon, MOM's manager of occupational health and safety at Philip's Electronics Singapore.

There are some 8,000 metalworking factories here employing about 80,000 workers, and most of these workers work on heavy machinery to produce metal parts for various products.

The industry has the worst safety record among all general factories, contributing to about one-third of all fatal accidents within the sector in the last four years.

The problem is mainly due to workers who are not trained to work safely, as well as inadequate safety measures for workers at the metal factories, said Ms. Poon, who is also vice-chairman of the Metalworking Industry Safety Promotion Committee.

Greater worker spend work place safety topics are part of a course to help the workplace safety by 2011.

About five out of every 100,000 workers are killed at the workplace here every year.

The new Workplace Safety and Health Act, which came into force this month, imposes heavier penalties for safety violations.

A new index (new rules go ahead) was also launched yesterday that makes it easier for companies to the accident reports online.

This will also allow the MOM to collect accident statistics for analysis.

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Information Sharing and WSH promotion

- MOM Website



- WSH Council Portal



- eAlerts on WSH (WSH Alerts)

- National WSH Campaign

- Leveraging on media to heighten awareness of WSH issues

- **WSH Outreach**

Making safety and health a way of life



Raise awareness of WSH and build capabilities

Seminars, workshops, conferences and exhibitions, spot the hazards contest

Outreach to workers

Road shows, dormitory visits and collaterals in different languages

Promote WSH culture in all Singaporeans

National Workplace Safety and Health Campaign



Salahuddin Mohammed Sons Miah,
Scaffold Erector for 9 years

Outreach Activities

HOME = HOpe + MEmory



Large format posters installed on worksite hoardings

WSH culture reach to the last worker on the ground



Ads on-the-move! Buses bearing the shine@work theme and messages



Workers reading Safety and Health newsletter (magazine)

- NWSH Campaign
- WSH Training
- Resources
- Events Calendar
- Work at Height
- Archives

WSH 2018

Workplace Safety and Health 2018



Minister for Manpower, Mr Gan Kim Yong, launched "WSH 2018: a National Strategy for Workplace Safety and Health for Singapore" during the National WSH Campaign in April 2009. WSH 2018 will help Singapore work towards the challenge set by Prime Minister Lee Hsien Loong for MOM and the industry-led Workplace Safety and Health Council (WSHC). The target, to bring down the national fatality rate to less than 1.8 per 100,000 workers by 2018, is to achieve one of the best safety records in the world.

The strategy to achieve sustained improvements in WSH performance

A national, strategic and long term approach is vital for Singapore to achieve sustained, continuous improvement in WSH standards. Towards attaining this objective, the WSH 2018 was co-drafted by the WSHC and the Ministry of Manpower (MOM). WSH 2018 spells out the national vision, the strategic outcomes and strategies to achieve the 2018 vision. It aims to synergise the efforts and resources of all stakeholders to achieve the vision of "A safe and healthy workplace for everyone; and a country renowned for best practices in workplace safety and health".

The strategic outcomes are:

- a) The reduction in WSH incident rates;
- b) Workplace safety and health is an integral part of business;
- c) Singapore is renowned as a Centre of Excellence for WSH; and
- d) A progressive and pervasive WSH Culture.

WSH 2018

Workplace Safety and Health 2018

~Establishing a Progressive and Pervasive

Safe and Healthy Culture



Towards a Safe & Healthy Workplace For Everyone

Visit MOM web site at www.mom.gov.sg/oshd

Visit WSH Council web site at www.wshc.gov.sg



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