

FYI



No Permit:PP13200/12/2013(032007)
June 2014:ISSN 1675-5464

Your OSH preferred partners

The "5S" Philosophy



THE “5S” PHILOSOPHY



Anyone certainly had these thoughts; How can I improve efficiency, work organization, quality, safety and housekeeping and protect my investment at the same time?

Based on Japanese words that begin with 'S', the 5S Philosophy focuses on effective work place organization and standardized work procedures. 5S simplifies your work environment, reduces waste and non-value activity while improving quality efficiency and safety.

Sort - (Seiri)

The first S focuses on eliminating unnecessary items from the workplace.



An effective visual method to identify the se unneeded items is called red tagging. A red tag is placed on all items not required to complete your job. These items are then moved to a central holding area. This process is for evaluation of the red tag items. Occasionally used items are moved to a more organized storage location outside of the work area while unneeded items are discarded. Sorting is an excellent way to free up valuable floor space and eliminate such things as broken tools, obsolete jigs and fixtures, scrap and excess raw material. The Sort process also helps prevent the JIC job mentality (Just in Case).

Shine - (Seiso)

Once you have eliminated the clutter and junk that has been clogging your work areas and identified and located the necessary items, the next step is to thoroughly clean the work area.



Daily follow-up cleaning is necessary in order to sustain this improvement. Employees take pride in a clean and clutter-free work area and Shine step will help create ownership in the equipment and facility. Employees will also begin to notice changes in equipment and facility location such as air, oil and coolant leaks, repeat contamination and vibration, broken, fatigue, breakage and misalignment. These changes, if left unattended, could lead to equipment failure and loss of production . Both add up to impact your company's bottom line.

Set in order - (Seiton)

The second S and focuses on efficient and effective storage methods.



You must ask yourself these questions :

1. What do I need to do my job?
2. Where should I locate this item?
3. How many of this item do i really need?

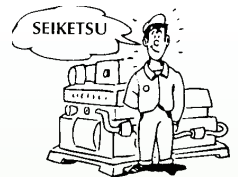
Strategies for effective Set in Order are: painting floors, outlining work areas and location, shadow boards, and modular shelving and cabinets for needed items such as trash cans, brooms, mop and buckets. Imagine how much time is wasted every day looking for a broom? The broom should have a specific location where all employees can find it.

“A place for everything and everyting in its place.”



Standardize - (Seiketsu)

Once the first three 5S's have been implemented, you should concentrate on standardizing best practice in your work area.



Allow your employees to participate in the development of such standards. They are valuable but often overlooked source of information regarding their work. Think of what Petronas, Proton and the Malaysian Armed Forces would be without effective work standards.

Sustain - (Shitsuke)

This is by far the most difficult S to implement and achieve. Sustain focuses on defining a new status quo and standard of work place organization.



Human nature is to resist change and more than a few organizations have found themselves with a dirty cluttered shop a few months following their attempt to implement 5S. The tendency is to return to the status quo and the comfort zone of the “old way” of doing things.

Once fully implemented, the 5S process can increase morale, create positive impressions on customers, and increase efficiency and organization. Not only will employees feel better about where they work, the effect on continuous improvement can lead to less waste, better quality and faster lead times. Any of which will make your organization more profitable and competitive in the market place.

NEWS HEADLINE

KREN 'MAKAN' TUAN

Publication: Harian Metro
Date of Publication: 23 Jun 2014
Page number: 30



mengeluarkan mayat mangsa yang tersepit di bawah kren.

Kren 'makan' tuan

Cameron Highland: Seorang pemandu kren maut selepas kenderaan berat yang sedang dibaiki di Kebun Heng Yang Cheong, Lembah Bertam, di sini, tiba-tiba jatuh dan menghempap dirinya, semalam.

Dalam kejadian kira-kira jam 12 tengah hari itu, mangsa, Kee Thian Chyi, 31, yang juga pemandu kenderaan berat terabit dipercayai sedang membaiki kerosakan kren berkenaan yang terletak di atas bukit setinggi kira-kira 400 meter.

Ketua Bomba dan Penyelamat Cameron Highlands

Yusry Abdullah Sani berkata, pihaknya menerima panggilan kira-kira jam 12.33 tengah hari memaklumkan ada kren yang terjatuh dan menghempap pemandu di kawasan berkenaan.

Katanya, sebaik tiba di tempat kejadian, pihaknya mendapati mangsa sudah meninggal dunia akibat dihempap kren berkenaan.

"Kita berdepan kesukaran dalam operasi mengeluarkan mangsa berikutan kawasan berbukit menyebabkan pihaknya terpaksa mengambil masa kira-kira setengah jam untuk menarik kren terabit.

"Kejadian di atas bukit menyebabkan pihaknya terpaksa mendapatkan bantuan lori daripada pekebun kawasan itu untuk membawa peralatan menyelamat ke lokasi berkenaan," katanya.

Beliau berkata, pihaknya menggunakan peralatan teleskopik hidraulik bagi menaikkan kren jenis Yanmar itu untuk mengeluarkan mangsa yang kemudian didapati sudah meninggal dunia.

"Mayat mangsa kemudian dihantar ke Hospital Sultanah Hajjah Kalsom (HSHK), di sini, untuk di bedah siasat," katanya.

MESIN MELANTUN BELAH TANGAN

Publication: Harian Metro
Date of Publication: 4 Jun 2014
Page number: 18

Mesin melantun belah tangan

Kuala Terengganu: Seorang tukang rumah nyaris putus tangan kiri selepas mesin pencanai yang digunakan melantun dan terkena tangannya dalam kejadian di Kampung Banggol Kuala Ibai, kelmarin.

Mangsa, Yahya Mat Ali, 51, berkata, dalam kejadian kira-kira jam 11.30 pagi itu, dia dan seorang rakan melakukan kerja memasang bumbung sebuah rumah di kampung berkenaan.

Menurutnya, dia menggunakan mesin pencanai untuk memotong dinding simen bagi memasukkan kepingan aluminium ke dalam dinding berkenaan bagi mengelak kebocoran.

Katanya, dia tidak men duga di dalam dinding simen itu terdapat batang besi menyebabkan mata mesin pencanai itu ter-



YAHYA menerima rawatan di Wad Ortopedik HSNZ.

sangkut dan melantun ke arah tangan kirinya.

"Walaupun pegangan tangan saya pada mesin itu sudah kemas, lantunan mesin itu lebih kuat dan terkena pada lengan tangan kiri hingga terbelah dua.

"Dua bahagian lengan kiri terbelah dan menam-

pakkan tulang. Nasib baik ketika kejadian, saya pantas menarik wayar mesin serta memamatkan suis alat berkenaan.

"Rakan bergegas membantu saya sebelum menghantar ke Hospital Sultanah Nur Zahirah (HSNZ)," katanya, semalam.

KONKRIT 50,000 TAN HEMPAP KEPALA

Publication: Harian Metro
Date of Publication: 16 Jun 2014
Page number: 4

4 Setempat

ISNIN 16 JUN 2014 **Harian Metro**



Konkrit 50,000 tan hempap kepala

Muadzam Shah: Seorang pemandu lori maut dalam keadaan mengerikan apabila pecah kepala selepas lori dipandu di hempap batu konkrit lebih 50,000 tan di sebuah tapak pembinaan di sini, kelmarin.

Dalam kejadian jam 3 petang itu, mangsa, Ahmad Khussairie Saffari, 29, dari Muadzam Shah, maut di tempat kejadian akibat parah di leher, kepala dan patah kedua-dua tangan.

Pemangku Ketua Polis Da-

erah Rompin Asisten Superintendan Mohd Razali Razak berkata, ketika kejadian, mangsa memberhentikan lori dipandu di tepi batu konkrit itu kerana dipercayai mahu berteduh ketika menunggu giliran mengangkat tanah.

Katanya, selepas 30 minit menunggu, konkrit berkenaan tiba-tiba terbalik lalu menghempap kepala lori menyebabkan mangsa yang berada di tempat duduk pemandu tersepit.

"Sepasukan anggota Balai Bomba dan Penyelamat dari Muadzam Shah dan Rompin ke tempat kejadian dan

menggunakan dua kren dan dua jentera berat untuk mengalihkan konkrit bagi mengeluarkan mayat mangsa.

"Anggota bomba mengambil masa 30 minit dan siasatan awal mendapati kejadian itu dipercayai berpunca daripada mendapan tanah sebelum lori dipandu mangsa dihempap batu konkrit berkenaan yang dianggarkan seberat 50,000 tan," katanya di sini, semalam.

Menurutnya, mayat mangsa dibawa ke Hospital Muadzam Shah (HMS), di sini, untuk dibedah siasat sebelum dituntut ahli keluarganya, malam kelmarin.

FAKTA
 Mangsa berhentikan lori di tepi batu konkrit ketika menunggu giliran angkat tanah

ANGGOTA bomba berusaha mengeluarkan mangsa yang tersepit dalam lori.

NIOSH sambut baik wartakan larangan merokok di R&R

Kuala Lumpur: Institut Keselamatan dan Kesihatan Pekerjaan Negara (NIOSH) menyambut baik keputusan kerajaanewartakan kawasan berbumbung dan tertutup di kawasan Rehat dan Rawat (R&R) semula lebuhraya sebagai lokasi larangan merokok.

Pengerusinya, Tan Sri Lee Lam Thye menyifatkan langkah itu sebagai tindakan tepat dan bertanggungjawab daripada kerajaan dalam menjamin kesihatan rakyat.

Katanya, beliau turut menyokong cadangan untuk mewartakan lebih banyak kawasan zon larangan merokok di seluruh negara dalam usaha membebaskan rakyat terutama generasi muda daripada tabiat itu.

"Walaupun bersejua, namun kawasan merokok khas di R&R juga perlu disediakan di kawasan yang sesuai bagi memenuhi keperluan mereka yang merokok," katanya kepada BH, semalam.

"Walaupun bersejua, namun kawasan merokok khas di R&R juga perlu disediakan bagi memenuhi keperluan mereka yang merokok"

Lee Lam Thye,
Pengerusi NIOSH

tertutup," katanya.

Sementara itu, Ketua Pegawai Operasi PLUS, Mohammad Fuad Khusairi ketika diminta mengulas arahan berkenaan, berkata zon larangan merokok sudah pun dikuatkuasakan di beberapa R&R sebelum ini, dan akan diperluas di semua 24 R&R dengan menambah papan tanda zon larangan merokok.

Dewan Bandaraya Kuala Lumpur (DBKL) turut mewartakan semua pejabat berbumbung di ibu kota sebagai kawasan baharu larangan merokok, juga menjelang akhir tahun ini.

Datuk Bandar Kuala Lumpur, Datuk Seri Ahmad Pheal Talib, berkata ia selaras keputusan Kementerian Kesihatan mewartakan semua kawasan tertutup dan berbumbung di kawasan R&R lebuhraya seluruh negara sebagai lokasi larangan merokok, selain menyokong kempen sihat tanpa rokok oleh kerajaan.

Mencemarak alam sekitar
Lam Thye juga meminta perokok supaya tidak merokok di kawasan lapang, termasuk tempat letak kereta di R&R kerana bukan saja mencemarak alam sekitar, ia boleh menimbulkan kerdakkelesaan dalam kalangan bukan perokok.

"Pihak berkuasa dengan bantuan penguasa R&R juga diharap bertindak memberi amaran kepada orang ramai yang merokok di tandas kerana ia sebahagian kawasan

BLAST RIPS SABAH-SARAWAK GAS PIPELINE

Publication: The Star
Date of Publication: 11 June 2014
Page number: 08

8 NATION The Star, WEDNESDAY 11 JUNE 2014

Blast rips Sabah-Sarawak gas pipeline

No one hurt in 2am explosion, fire is out

BY STEPHEN THEN
stephenhen@thestar.com.my

MIRI: A fiery blast ripped apart a section of the Sabah-Sarawak interstate gas pipeline located in between Lawas town and Long Sukang in the northernmost district of Sarawak, resulting in the temporary shutdown of the RM4bil project owned by national oil giant Petronas.

The explosion at about 2am shattered the early morning silence and many residents around the blast area jumped out of bed in shock to see the fire just kilometres away.

Lawas MP Datuk Henry Sum said villagers at nearby settlements felt the impact of the heat-wave and had been advised to evacuate to safer areas temporarily.

"Luckily, no lives were lost in the incident," he said when contacted from Parliament in Kuala Lumpur yesterday.

Sum said that a full-scale investigation had begun in Lawas, as well as in Kuala Lumpur, because the project belonged to Petronas.

He said Minister in the Prime Minister's Department Datuk Seri Shahidan Kassim was concerned with what had happened and wanted a full-scale probe.

"Home Minister Datuk Seri Zahid Hamidi also wants to know what was the exact cause," Sum said.

According to Petronas' Sarawak regional office, the fire had been extinguished.

"The incident has not affected any of the communities along the pipeline, the closest of which are located 9km from the area," it said in a statement.

Sarawak Fire and Rescue Department director Nor Hisham Mohamad said the project developer and his department had formed a joint committee to help the incident.

He said the pipeline had a safety shut-off system to prevent the fire from spreading in the event of such an incident.

The affected pipeline is about 400km from Miri. Long Sukang is a hilly settlement along the rural road into the Bakelalan highlands.

The pipeline, which was completed early this year, is meant to channel raw gas from Kimanis in Sabah to Bintulu in Sarawak. It passes through Lawas and Ulu Baram before entering Miri and onwards to Bintulu.

The raw gas ends up at a processing plant in the Sarawak Corridor of Renewable Energy (SCORE) belt before being converted into liquefied natural gas for export.

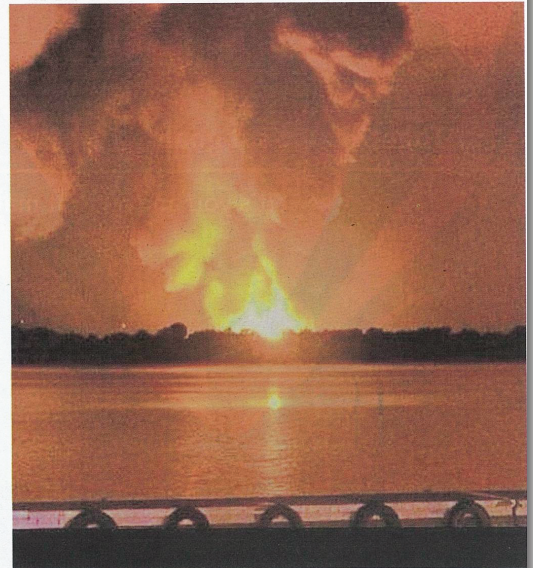
To a question on how the fire could have occurred since the pipeline was supposed to be buried underground, Sum said that question could only be answered by Petronas.

"The pipeline is a long one. Obviously, there must be some serious faults to have ignited such a huge fire," he said.

It is learnt that some parts of the pipeline are not buried underground but run along the ground surface, such as the case along the section between Miri and Bintulu.

Sarawak Progressive Democratic Party secretary-general and chairman for Lawas division Datuk Nelson Balang Rining said he had been inundated with calls from the people in Lawas.

"The incident is serious. Initial feedbacks from people there said that they heard the pipeline had exploded," he said.



Heatwave: The Petronas gas pipeline in Lawas on fire after the explosion early yesterday morning. Villagers in nearby settlements could feel the heat from the massive fire.

For more stories:
See Page 10

SHELL REAFFIRMS COMMITMENT TO WORKPLACE SAFETY

Publication: New Straits Times
Date of Publication: 24 June 2014
Page number: 05

Shell reaffirms commitment to workplace safety

KUALA LUMPUR: The Menara Shell was a hive of activities recently as staff, contractors and government officials came together to celebrate Shell Malaysia's eighth Safety Day.

Shell Malaysia chairman Iain Lo speaking from Miri via videoconferencing, said Safety Day was an opportunity for staff and contractors to reaffirm their commitment to safety and look into ways to achieve zero accidents in the workplace.

He said that Shell Malaysia hoped to re-energise the organisation's successful life-saving rules instituted in 2009 during its first Safety Day.

Lo said since then, the number of accidents in Shell workplace nationwide has dropped to a quarter of what it was then and stressed that every employee should constantly remind themselves of safety and guard themselves against accidents.

Lo said everyone should act immediately when he sees safety rules being flouted so as to save lives. In this regard, awards had been presented to those who had acted to reduce accidents at the workplace.

One recipient was a contractor engineer Sylvester Malan who stopped a colleague from using his handphone when driving in front of his office.

The second was a contractor rig-

ger foreman Johnny Liap who told a crane operator to stop work when a crew member was found too close to the suspended load lifted by a barge crane.

Shell employees Premjit Singh and Mahadhir Jaalam also won awards after intervening and stopping workers for not wearing their harness when working at the height of five metres.

Lo also praised the shell road transporters of gas and oil who last year drove some 56 million kilometres without any accident.

National Institute of Occupational Safety and Health (Niosh) chairman Tan Sri Lee Lam Thye, who launched the Safety Day, said safety should become a culture at the workplace and not only a priority. This is because culture that has taken root will remain while priority might lose its significance with time.

Lee said the right to life is the most fundamental right and the right to work in a safe and healthy environment is the fundamental right of every employee.

He also said the number of industrial accidents reported to Socso for all sectors decreased from 73,858 in 2003 to 63,578 last year, a reduction of about 14 per cent in 10 years.

The number of accidents per



Tan Sri Lee Lam Thye (second from left) presenting certificates of recognition to Premjit Singh (second from right) and Mahadhir Jaalam (right). With them is Azman Ismail. Pic by Mohamad Shahril Badri Saali

1,000 workers last year stood at 5.4, said Lee.

He urged employers to strive to achieve the benchmark of the developed countries where there are only between two and three accidents per 1,000 workers.

Lee said Niosh has been able to contribute to better safety measures in the oil and gas industry through the oil and gas passport programme

whereby contractors and their employees have to obtain "passports" in order to enter their workplace.

The passports are renewable every three years after the holders attend a refresher's course.

Between 2009 and last year, 514,863 contractors and their employees have obtained the oil and gas passports.

Other Shell branches that took part in the videoconferencing to enhance workplace safety included Miri, Bintulu and Cyberjaya. By John Tiong

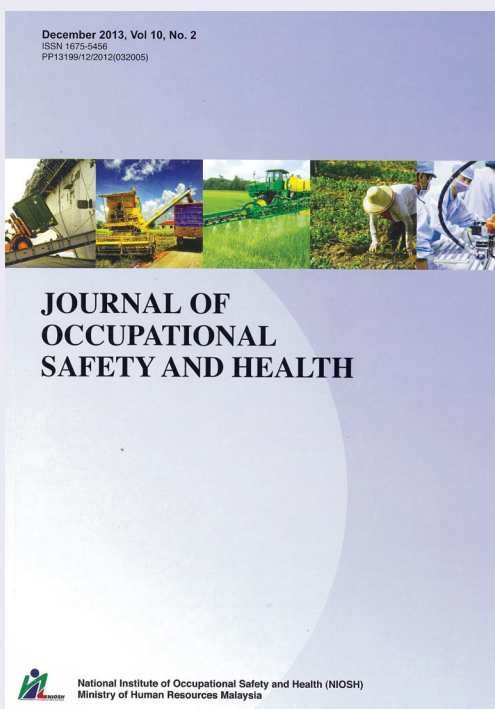
NIOSH Sambut Baik Wartakan Larangan Merokok di R&R

Publication: Berita Harian
Date of Publication: 19 Jun 2014
Page number: 14

The Extent of Predictability of Noise-Induced Problems — A Cross-Over from the Healthy Limit to Off-Limit Conditions

By Ir. Gan Chun Chet

MSc (UK), BSc (Hons) (UK), PEng



Abstract

The paper examines the method of predicting noise induced problems among factory workers. The pattern of an impaired condition above the off-limit condition defined here is exponential. The age-related losses are linear with approximately 3.3 dB decibel loss below the age of 35 at an interval of 10 years on the job, and 4 decibel dB loss above the age of 35 (inclusive) at the same interval.

The equations of age losses show that hearing losses due to noise exposure are caused by hearing deterioration. The projection based on the data shows the extent of the prediction. The extent of predictability for off-limit conditions derived from the records depicted shows that it is applicable to some situations but not all. It is impossible to postulate all types of patterns, but the pattern as shown, exponential in nature, can be utilised by other similar occurrences.

The facts derived from the data show that hearing loss is inevitable, noise exposure among workers must be avoided. The number of workers with hearing level higher than the normal level, between 10 to 16 percent of the total number of data sampled from the factory workers, is an indication that the noise-induced problem exists. It is applicable to many other factories and we hope that in a range of other situations, such problems can be prevented.

Due to these facts, the extent of predictability of these equations are worth noting. The aim of this paper to show that the data points can be traced, with the explanation that the sway patterns occurred as denoted by the exponential growth pattern of defined interval. That could account for the data observed.

For Full Paper, please find:

Journal of Occupational Safety and Health
December 2013, Vol.10, No.2
ISSN 1675-5456
PP13199/12/2012(032005)

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