

**HSL Abroad**  
Fast Track 3A

**Corporate Achievement**

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**Corporate Safety Day**

**LTA T3009 Decking of Sungei Ketapang**

**CONGRATULATIONS ON THE  
SAFE COMPLETION!**

# Project Updates

## Finishing ahead of time

<PROJECT LTA T3009 Decking of Sungei Ketapang >

OWNER > Land Transport Authority (LTA)

START DATE > April 2015

COMPLETION DATE > June 2016

**On** 12th July 2016, our first LTA project celebrated its completion at Laguna Golf Green. Despite a slight delay in starting, we managed to complete the project ahead of time. We were also awarded the Royal Society for Prevention of Accident (RoSPA) 2016 Gold Award, a UK-based Health & Safety award for the project. The road was open to the public on 25th June.



Initial stage of project



Piling stage of project



Installation of metal decking



Installation of metal decking



The road was opened to public.



The road was opened to public.



HSL Executive Director, Mr Wong Chin Sing, received the ROSPA Award from LTA Representative.

HSL Chairman, Mr Lim Choo Leng received the LTA T3009 Decking of Sungei Ketapang award from LTA Representative.

**Safety Begins With Teamwork**



Photo of LTA representatives with HSL senior management and project managers.



Photo of the Safety team and workers

**Positive Safety Initiatives**



Chemical storage area with bund wall and SDS clearly displayed for end user to be aware of hazards from chemicals.



Good Housekeeping on Site – Gen Set and welding equipment cage discourages unwanted meddling to equipment.



Workers receiving appreciation award for working safely.

# HSL Abroad

## HSL Constructor Sdn Bhd

### < PROJECT CW Discharge Channel Works >

OWNER > TNB Western Energy Berhad	LOCATION > Seri Manjung
START DATE > September 2015	COMPLETION DATE > August 2016



**On** 12th of September 2015, HSL Constructor Sdn. Bhd. was awarded with CW Discharge Channel works for Fast Track 3A 1x1000mw Coal Fired Power Plant by Daelim Malaysia Sdn. Bhd.

The Discharge Channel was built to discharge the power plant's cooling water through the designed 1012.781m Length open channel into sea.

The project area was subdivided into Area A, B, C, D, Outfall, Culvert-1 and Culvert-2.

Channel was built from the construction of bottom layer, MSE wall, Vinyl pile and Construction of Concrete Box culvert 1&2.

Vinyl Sheet pile is the new construction material in the Malaysian market. Therefore, more consideration is placed into the schedule and cost.

In addition, the construction of the MSE wall which includes Gabion and mattress, Bottom Layer mattress and Geogrid laying is carried out parallel to the sheet pile driving activity in order to accelerate the schedule.

The project was estimated to complete in April 2016 but actual completion date was four months later due to additional scope of works and change in the design.



*Bottom Layer Stone in Channel*



*Mattress Preparation in Channel*



*Mattress in Channel*



*Vinyl Pile Driving*



*Vinyl Pile Driving*



*Permanent Steel Sheet Pile Driving*

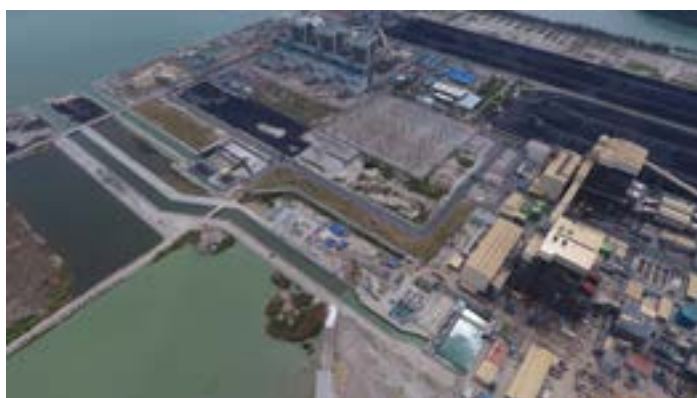
**“ Prepare & prevent instead of repair & repent. ”**

SAFETY QUOTES



## Challenges faced in this project

- (a) Existing power plant ash conveyor crossing in the Channel path
- (b) Outfall construction
- (c) Existing 500KV power transmission line
- In order to minimize the schedule time, an individual area-in-charge manager is assigned in all areas.
- All the works were planned and carried out with proper and better safety.



# Corporate Achievement

## RoSPA Gold Award

Royal Society for Prevention of Accident (RoSPA) has recognized and celebrated excellence in safety performance for the past 60 years.

These internationally recognised awards have become the most sought after accolade by organisations from every sector. It provides the opportunity to prove continuing commitment to raising standards and to celebrate success.

Winners are entitled to use the award logo on their organisation's letterhead and website and to fly the RoSPA Awards flag.

On 21st June 2016, HSL Chairman, Mr Lim Choo Leng and Safety Manager, Mr Norshairazi Norudin attended the awards ceremony at London, ExCeL Exhibition Centre. HSL Constructor was awarded the RoSPA Gold Award for the LTA T3009 Decking of Sungai Ketapang project.



Safety Manager, Mr Norshairazi receiving the RoSPA award on behalf of HSL Constructor last June 2016.



# HSE Training

## 1 Safe Lifting Procedures by TDP3

<PROJECT 3rd Tuas Desalination Plant 3 (TDP3)>

OWNER > Public Utilities Board (PUB) | START DATE > Nov 2015 | COMPLETION DATE > Nov 2017

**Located** at Tuas South Avenue 3, the plant is expected to begin operating in 2017 and will add another 30 million gallons, or 136,000 cubic metres, of water per day (mgd) to Singapore's water supply.

One of the initiatives conducted at TDP3 is the Lifting Crew Briefing where safety supervisors brief and share safe training procedures with workers. Workers are briefed on safe lifting practices and procedures prior to all lifting activities.

- Workers are to go through a pre-lifting inspection.



Ensure that the lifting gear tag number is correct.



Colour coding for lifting equipment is validated on a monthly basis.

- The crane operation area should be barricaded with warning signs.



- Ensure that the barricading does not block any access.
- No one is allowed to enter the lifting area while activity is ongoing.

Here is a sample of the lifting permit-to work (PTW) form. A proper PTW involves the contractor applying for permission to carry out a certain work activity.

**“ Safety rules are your best tools.”**  
SAFETY QUOTES



- *Lifting warning signs.*
- **Full supervision is required during lifting operations.**



- *A banksman should be attached to the excavator.*
- *The signalman uses a walkie talkie to do a two way communication with the operator.*
- **Pre-use inspection must be conducted before each lifting operation to ensure that the equipment is suitable, safe and correctly installed for the lifting operation.**
- **Lifting gears must also be inspected to ensure that they are free of any faults or defects.**



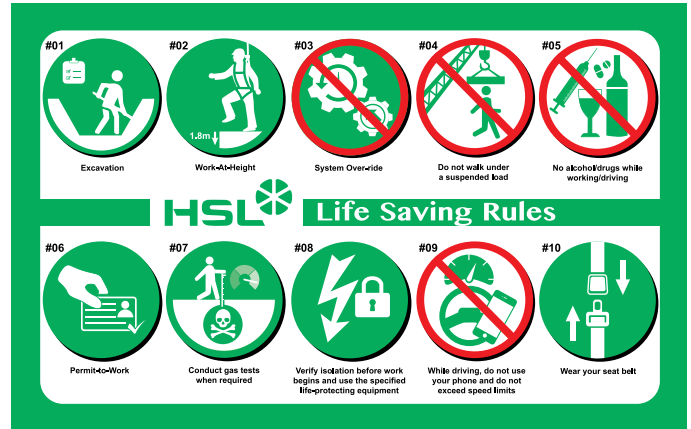
- *The lifting crew conducts the pre-use inspection before each lifting operation.*
- *Inspection of the lifting gears is done by the lifting crew before commencement of work.*

# Corporate HSE Initiatives

## 2 The Rules that Save Lives

**All** HSL workers will carry a pocket sized Life Savings Rules card with them. This is to constantly remind them of the company's commitment to safety and health. The Life Savings card will have HSL's 10 life-saving logos printed on it. Any violations against these rules will be issued immediate dismissal.

*The Life Savings card*



### Excavation



**You should...**

- Confirm with the Supervisor that it is safe to start work
- Follow Work Permit requirements

### Work-At-Height



**Protect yourself against a fall when working at height**

**You should...**

- Have authorisation to work at height outside a protective environment
- Be familiar with what fall protection equipment to use and how to use it
- Inspect equipment before using it

### System Over-ride



**You should...**

- Obtain authorisation before overriding or disabling safety critical equipment

### Do not walk under a suspended load



**You should...**

- Never cross a barrier controlling an area with a suspended load without authorization



## No alcohol/drugs while working/driving



### You should...

- Inform your Supervisor or the Person in Charge if you are taking medicine that may have an effect on your performance
- If in doubt, always check with your Supervisor or the Person in Charge who may seek medical advice
- Not use, keep, sell or distribute illegal drugs

## Permit-to-Work



### You should...

- Understand the work permit and follow it
- Confirm that work permit is valid
- Confirm with the Supervisor that it is safe to start work

## Conduct gas tests when required



### You should...

- Confirm with the Supervisor or the Person in Charge of the work that the air is tested
- Confirm with the Supervisor or the Person in Charge of the work that it is safe to start work
- Stop work if you smell gas

## Verify isolation before work begins and use the specified life-protecting equipment



### You should...

- Understand the isolations that protect you from danger
- Confirm with the Supervisor or the Person in Charge of the work that isolations are in place
- Confirm with the Supervisor or the Person in Charge of the work that it is safe to start work

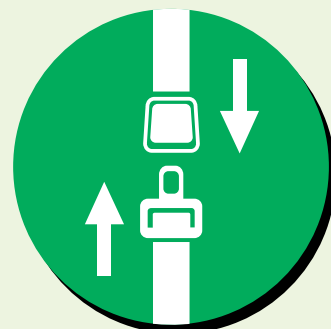
## While driving, do not use your phone and do not exceed speed limits



### Drivers should...

- Not use a mobile phone or pager, send or read a text message, or use a hands-free mobile phone device
- Stay at or below the maximum allowable speed for the road you are driving on as indicated by road signs or Journey Management instructions
- Stay at or below the maximum allowable speed limit for the vehicle you are driving
- Adjust your speed to the prevailing conditions

## Wear your seat belt



### Drivers and Passengers should...

Always use a 3-point seatbelt (please note exceptions\* below)

Check that your seatbelt works properly  
Keep your seatbelt properly fastened while in a moving vehicle

Check that everyone in the vehicle is wearing a seatbelt properly before starting to drive

Intervene when your fellow passengers are not wearing seatbelts properly

*\*Exceptions include vehicles where only lap seatbelts are available or in public transport where seat belts are not available.*

# What is coming up next?

## In-House Announcement

### 1 RAMS Safety Board

**RAMS** (Risk Assessment and Method Statement) is a multi-purpose information board, delivering clear and up-to-date Health & Safety information as well as consumable personal protective equipment to construction teams.

The HSL Safety team will be purchasing the RAMS Boards which are produced in the UK. The boards will be utilized and shared across all project sites.

The RAMS board features the following specifications:

- **Magnetic Whiteboard**
- **'Meet the Person Responsible for your Safety' Acrylic Mirror**
- **Transparent Document Protective A4 size pockets**
- **Eye Wash Station**
- **Lens Cleaning Station**
- **Ear Plug Dispenser**
- **Clear, durable accessories pocket to place First Aid Kit**



### 2 HSL Corporate Safety Day

Safety Department will be going the extra mile to plan for the 1st ever HSL Corporate Safety Day. It will be a two day event held in January next year at Penjuru HQ.

The objective is to raise safety & health awareness among HSL workforce and provide a platform for HSL to display its HSE capabilities and commitments to existing and potential clients.

The slogan for this event is "Safe Hearts, Safe Minds". The topics that will be featured include Work-At-Height, Confined Space and Hand & Finger Safety.

At the end of this event, the targeted audiences of the Safety Day will be more aware of the risks surrounding our works and the management's continual commitment to prevent harm to others.



## FEEDBACK

Let us hear your feedback to make the event a memorable and meaningful one. Send your feedback or comments to [norshairazi@hsl.com.sg](mailto:norshairazi@hsl.com.sg) or [aisyah.rahim@hsl.com.sg](mailto:aisyah.rahim@hsl.com.sg)

**"Be Alert, Accidents Hurt."**

SAFETY QUOTES

# Safety Advisories

## Zika Virus

Zika is a viral disease transmitted to people primarily through the bite of an infected Aedes mosquito, the same species that spreads dengue and chikungunya viruses.



Until recently, Zika was not considered a major public health threat because its symptoms are relatively mild. One consequence is that there are no vaccines or medications available to prevent or treat Zika infection. Treatment is solely focused on relieving the symptoms, and patients recover within 4 to 7 days. Those infected are advised to get plenty of rest, drink enough fluids, and treat pain with common painkillers.

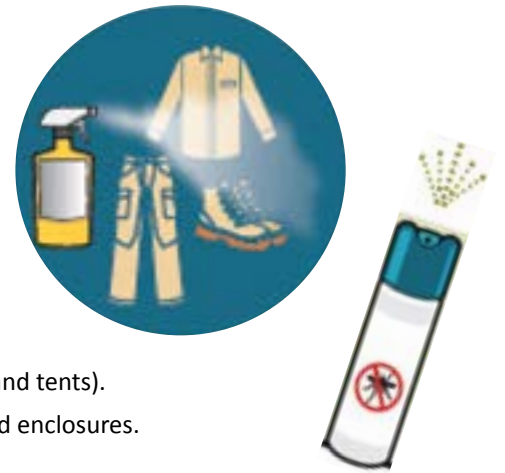
### Did you know?

About one in five people who are bitten by a Zika-infected mosquito develop symptoms.

### Watch out for these symptoms

See your doctor if you develop a fever with any of the following symptoms:

- Muscle or joint pain
- Headache
- Rash
- conjunctivitis (pink eye)



### Protect yourself from mosquito bites

- (1) Wear clothing and headwear to cover exposed parts of the body.
- (2) Use EPA-registered insect repellents
- (3) Use or wear permethrin-treated clothing and gear (such as boots, pants, socks and tents).
- (4) Eating and sleeping in air-conditioned rooms with windows closed or in screened enclosures.

### Bedok C2 ZIKA Monitoring Programme

As fever is part of the symptoms in “Zika” virus, daily temperature checks on all site personnel are conducted daily to ensure the health of all site personnel are not compromised.



Workers with fever will be provided with Orange stickers on their helmet and sent for immediate medical attention.



Workers deemed fit to work will be provided with green Stickers on their helmets for Identification purposes.



**“ We are all empowered to build A Greater HSL for A Better World.”**

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