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Dear Port Users

MOM WSH Alert –

Died After Falling From the Top of an ISO Tank Container / Worker Killed After Being Crushed By Wooden Crates

1. In our continuous effort to ensure safe operations in Jurong Port, we have attached the WSH Alert for your perusal.
2. Kindly also disseminate the said information to your respective contractors/service providers.
3. If you need more clarifications, please contact FSE duty officer at 6660 9552 or email: jpfss@jp.com.sg.

Thank you.

Regards,

Ng Kok Wee
Fire Safety & Environment Department
For Jurong Port Pte Ltd

For updates on safety-related news and information, please visit www.wshc.gov.sg





Died After Falling From The Top Of An ISO Tank Container

A worker was killed when carrying out preparation work at the top of the ISO tank for surveyors' inspections. From the top of the ISO tank container he was standing on, the worker tried to cross over to the container next to it (see Figure 1). He lost his footing and fell about 2.6 metres to the floor.

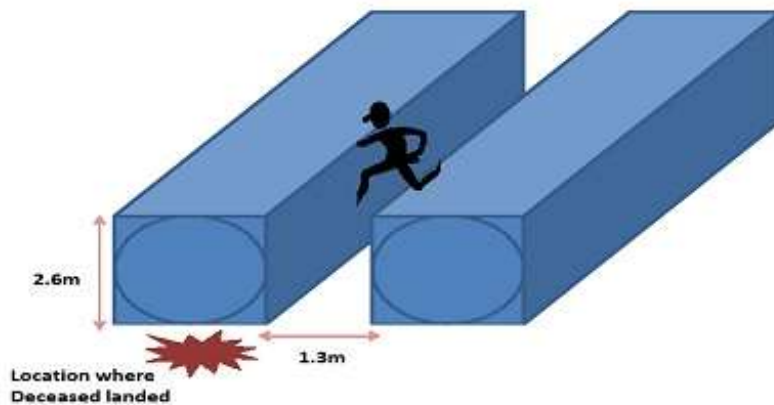


Figure 1: Schematic view of the incident scene.

Recommendations*

Industry stakeholders undertaking similar work activities are advised to consider the following to prevent a recurrence:

- Workers ascending to or descending from the ISO tank top should use the designated vertical ladder in-built within the rectangular frame;
- Ensure that safety harnesses are properly strapped on and anchored to a suitable horizontal lifeline when working at the top of the tanks;
- Deploy mobile ladders to allow workers to gain safe access to the top of the tank (see Figure 2);



Figure 2: Worker working at the top of the tank with his safety harness anchored to the safety lifeline.

>>Disclaimer

(Please note that this advisory note is provided to enhance workplace safety and health. In no way is the information to be construed as implying liability on any party)

- Install mobile anchorage stands to secure horizontal safety lifelines when work activities are carried out outdoors;
- Secure safety lifelines to the ceiling of the building when work activities are carried out indoors (see Figure 3);



Figure 3: Lifelines secured to the ceiling of the building when work activities are carried indoor.

- To prevent the worker from going over the edge, a fall-restraint belt can be anchored to the horizontal lifeline secured to the mobile anchorage stand for activities carried out outdoor. For indoor activities, the fall-restraint belt can be anchored to the ceiling of the building;
- Display adequate safety signage at the work location to remind workers of the job hazards involved;
- Provide supervision to ensure safe work methods are adhered to onsite.

Further Information

- Workplace Safety and Health Act (Chapter 354A), please click [HERE](#).
- Workplace Safety and Health (Risk Management) Regulations, please click [HERE](#).
- Code of Practice on WSH Risk Management, please click [HERE](#).
- Code of Practice for Working Safely at Height, please click [HERE](#).
- WSH Council's Work at Height Kit, please click [HERE](#).
- You may wish to attend the Tank Container Workplace Safety & Health (WSH) course organized by the Asia Tank Container Association (ACTA). Application for the course can be made online at: www.atca.org.sg.
- Britain's Health and Safety Executive – "Safety of workers when accessing the top of tank containers", please click [HERE](#).
- Draft Workplace Safety and Health Guidelines – Anchorage and Lifeline , please click [HERE](#).

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Worker Killed After Being Crushed By Wooden Crates

Recently a worker was killed after some wooden crates toppled and crushed him. At the time of the accident, he was attempting to place a wooden pallet underneath some wooden crates that were being lifted up by a forklift truck, when 2 of the wooden crates toppled onto him. The forklift truck was operated by his co-worker.

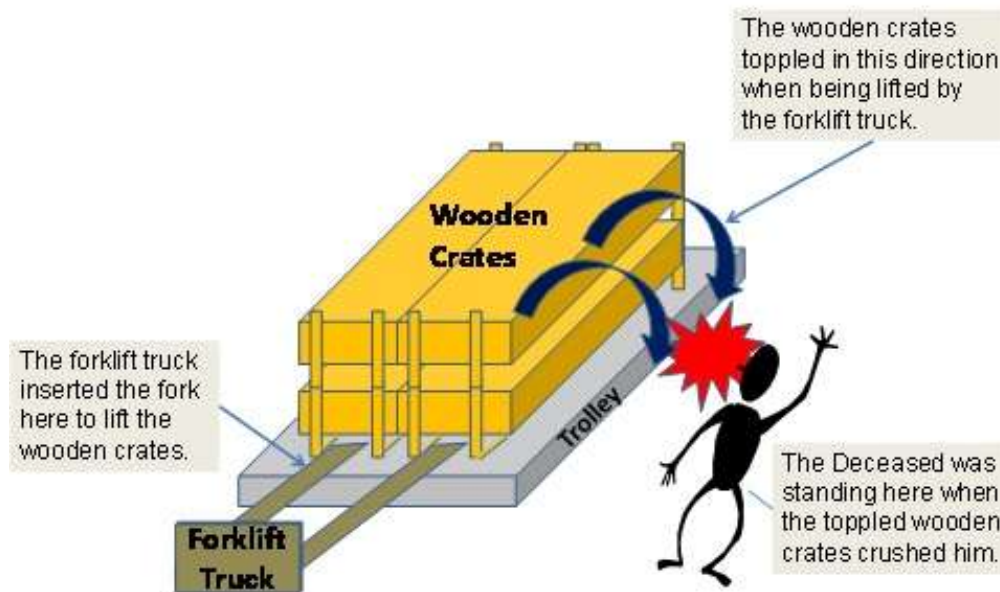


Figure 1: Sketch shows the scene of the accident.

Recommendations*

Industry stakeholders undertaking similar work activities are advised to consider the following to prevent a recurrence:

- Plan all lifting operations carefully before starting them to ensure that the appropriate material handling equipment is selected and they are safely carried out;
- Stabilise the load before any lifting operation is carried out to prevent it from sliding, falling, or collapsing;
- Observe height limitations when stacking materials;
- Stand clear of loads about to be lifted and suspended;
- Avoid any overloading of the forklift truck to minimize the potential for the truck tipping or the load falling;
- Ensure only trained and authorized personnel are allowed to operate a forklift truck;
- Supervise all work activities to ensure safe work practices are adhered to onsite.

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Further Information

- a. Workplace Safety and Health Act (Chapter 354A), please click [HERE](#).
- b. Workplace Safety and Health (Risk Management) Regulations, please click [HERE](#).
- c. Code of Practice on WSH Risk Management, please click [HERE](#).
- d. Workplace Safety and Health Guidelines on Safe Operation of Forklift Trucks, please click [HERE](#).
- e. Workplace Safety and Health Guidelines - Safe Loading on Vehicles, please click [HERE](#).



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