



## A WORKER WAS TRAPPED TO DEATH BY A TRACTOR AT A LANDFILL IN TA KWU LING

On 25 December 2023, an accident happened at a landfill in Ta Kwu Ling, in which a worker, while assisting in refuse dumping work, was trapped between the rear of a refuse container tractor and a refuse tipper. He was certified dead later in hospital. The Construction Industry Council (CIC) would like to deliver this safety message for your attention. It would be appreciated if you could distribute the message below to your fellow members, relevant personnel or other industry stakeholders where appropriate. Thank you very much.

### Common Accidents

1. Do not stay away from fatal zone when working.
2. Do not take note of the presence of workers when the vehicle is moving or reversing, and it knocks down the workers.
3. Failure to provide proper fencing and suitable warning notices for the fatal zones.
4. Failure to maintain the safety devices of the vehicle to ensure it is in safe working order such as reversing video device, reversing alarm and warning light.
5. Failure to conduct dynamic risk assessments and take appropriate safety measures in response to changes in the environment and procedures.



Life First - Walk the Talk "Webinar on Fatal Zone Management" was held on 18 January 2023. Please watch replay at CIC website. (Chinese Version only)

### Critical Control Measures

1. Prior to the commencement of works, construction team should conduct risk assessments to identify the risks of being hit by vehicles in the workplace and implement the demarcation of fatal zone.
2. Reversing movements should be minimised by providing, where possible, a driveway with circulation route.
3. Provide water-filled barriers to fatal zones in close proximity to the haul road (to separate the vehicles and pedestrians properly).
4. Speed limits should be imposed on traffic routes through erecting speed limit signs.
5. Install reversing video device and other reversing safety devices for vehicles such as cross view mirror, parking sensor, reversing alarm and warning light.
6. Regularly inspect and ensure that relevant safety devices are in safe working order.
7. Use appropriate Smart Site Safety System (SSSS) to strengthen safety management based on the actual site situation, for example, install Dangerous Situation Alert System. If a worker is encroaching the vehicle, siren and signal light from the system will be activated, thus securing workers' safety when vehicles are in the operation.
8. Provide all supervisors, drivers and workers concerned with the necessary safety information, instructions and training, and ensure that they are familiar with the traffic routes and the safety measures of the workplace.



Continuous barriers along access as segregation

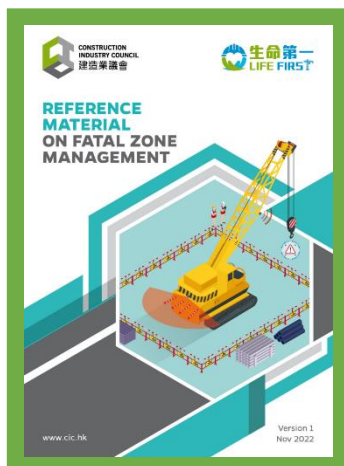


## SAFETY ROLES AND RESPONSIBILITIES OF KEY STAKEHOLDERS IN THE HONG KONG CONSTRUCTION INDUSTRY

What if all stakeholders can act together and take one step further to fulfill their roles and responsibilities, can similar accident be avoided?

- In the design stage, designers and engineers should consider adopting design for safety methods to eliminate or reduce the reversing movements of vehicles in the workplace, and plan the fatal zones properly.
- During the construction stage, construction team should supervise, co-ordinate and monitor the vehicle movements in the fatal zone, and implement the logistics plans. Besides, facilities for separating the traffic routes and pedestrian routes should be checked to ensure that all have been properly installed and maintained.
- Work team shall conduct dynamic risk assessments for the rapidly changing activities, continuously identify the hazards, assess the risks, and take actions to eliminate or reduce risks during construction.
- Workers should follow the developed safe working procedures, in case identifying any changes in the construction process, report it to their supervisors and take action against it immediately.

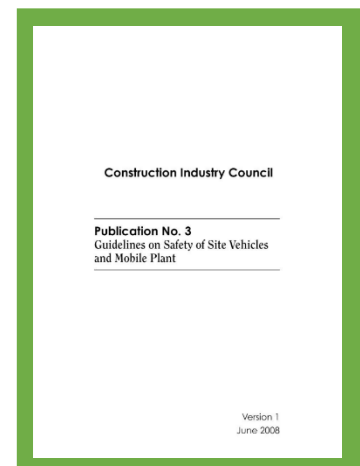
### Reference information for sharing



Reference Material on Fatal Zone Management



Reference Material - Guide to Smart Safety-Related Technologies for Use in Construction Works



Guidelines on Safety of Site Vehicles and Mobile Plant



### Disclaimer

This message is not intended to constitute any professional advice on these or any other subjects. The CIC (including its members and employees) will not accept responsibility for any consequences resulting from the use of or failure to use this message. For enquiries, please contact 2100 9000.