



## **Work Safety Alert**

### **Ran over by a Reversing Dumper Truck**

- 1. Date of Accident :** November 2013
- 2. Place of Accident :** A construction site in Tai Po
- 3. Summary :**

A female worker was run over by a 30-ton dumper truck to death while the truck was reversing along a carriageway under construction.

#### **4. Work Safety Alert for Contractors/Employers :**

To prevent workers engaging in road works from being struck by mobile vehicles, contractors/employers should:

- appoint a competent person to conduct risk assessments with particular regard to the operation of the mobile vehicles, the site layout, work environment and traffic control;
- formulate and implement an effective traffic management system which should include the following:
  - segregating workers from the operating zone of mobile vehicles by suitable barriers;
  - exercising strict access control measures with suitable warning notices in place to avoid unauthorised man-entry into operating zone of mobile vehicles;
  - eliminating reversing where possible, by adopting one way traffic system;
  - stationing a signaller to give effective signals to vehicle operators who do not have a clear and unrestricted view of its vicinity



especially in reversing motion;

- installing suitable safety devices on the mobile vehicle, such as closed-circuit televisions to enhance the vehicle operator's views especially at the rear and audio/visual alarms for reversing motion to alert persons working nearby, and maintaining the safety devices properly;
  - imposing speed limits on traffic routes through erecting speed limit signs and installing speed humps or other similar devices;
  - installing appropriate signs and devices to alert vehicle operators that road works is in progress on the site; and
  - ensuring that every worker on the site is wearing a high visibility or reflective vest so that vehicle operators could easily recognize them;
- provide workers with adequate information, training and instruction in respect of the safe system of work for operating mobile vehicle and traffic management measures; and
  - implement effective monitoring and supervision to ensure that the above safety measures are strictly followed.

## 5. Reference :

- [Five Steps to Risk Assessment](#)<sup>1</sup>
- [Safe Systems of Work](#)<sup>1</sup>
- [A Guide to the Factories and Industrial Undertakings \(Loadshifting Machinery\) Regulation](#)<sup>1</sup>
- [Guidance Notes on Safe Use of Loadshifting Machines for Earth Moving Operations on Construction Sites](#)<sup>1</sup>

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## **Work Safety Alert** **Fall from a Portable Ladder**

- 1. Date of Accident :** November 2013
- 2. Place of Accident :** A commercial unit under renovation in Kwun Tong
- 3. Summary :**

A worker fell to his death from a wooden folding ladder while installing plastic conduits at the ceiling.

### **4. Work Safety Alert for Contractors/Employers :**

To prevent any person undertaking work-at-height from falling, the contractors/employers should:

- conduct task specific risk assessments and formulate appropriate safe working procedures for the work;
- use suitable working platforms as a means of support for the work and avoid using portable ladders for the purpose;
- provide and maintain suitable and adequate safe access to and egress from every place of work;
- provide workers with proper training and instruction on safe use of working platforms; and
- implement effective monitoring and supervision to ensure that the above safety measures are strictly followed.



## 5. Reference :

- [A Guide to the Provisions for Safe Places of Work under Part VA of the Construction Sites \(Safety\) Regulations<sup>1</sup>](#)
- [Safety at Work – A Guide to Ladders and Elevated Working Platforms<sup>1</sup>](#)
- [Guidance Notes on Safe Use of Power-operated Elevating Work Platforms<sup>1</sup>](#)

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### **Work Safety Alert** **Fall from a Bamboo Scaffold**

- 1. Date of Accident :** November 2013
- 2. Place of Accident :** A building construction site in Yuen Long
- 3. Summary :**

A worker fell to his death from 2/F onto the ground while the part of a bamboo scaffold at the external wall, where he was working on, suddenly broke.

#### **4. Work Safety Alert for Contractors/Employers :**

To prevent any person undertaking work-at-height on scaffolds from falling, the contractors/employers should ensure that:

- task specific risk assessments are conducted and appropriate safe working procedures are formulated;
- scaffolds are securely supported and properly maintained;
- scaffolds are inspected and certified safe by a competent person;
- suitable and adequate safe access/egress and working platforms are provided and properly maintained for every place of work;
- where the use of working platforms is impracticable, workers are wearing suitable safety harnesses connected to proper anchorages; and
- an effective monitoring and supervision system is implemented.



## 5. Reference :

- [A Guide to the Provisions for Safe Places of Work under Part VA of the Construction Sites \(Safety\) Regulations<sup>1</sup>](#)
- [Code of Practice for Bamboo Scaffolding Safety<sup>1</sup>](#)
- [Guidance Notes on Classification and Use of Safety Belts and their Anchorage Systems<sup>1</sup>](#)

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## **Work Safety Alert** **Struck by a Falling Drainage Pipe**

- 1. Date of Accident :** November 2013
- 2. Place of Accident :** A factory building under renovation in Tai Po
- 3. Summary :**

A worker undertaking formwork erection was suspected to have been struck by a scrap drainage pipe section falling through a floor opening from an upper floor. He subsequently passed away two days later.

### **4. Work Safety Alert for Contractors/Employers :**

To prevent any workers from being struck by falling objects, contractors/employers should:

- conduct risk assessments and formulate appropriate safe working procedures for the work;
- safeguard any floor edges or openings by suitable barriers, fencings, covers or toeboards so as to prevent any materials from falling over or through the edges or openings;
- ensure that no loose materials are put at or near the floor edges or openings where they are liable to fall;
- fence off the areas where hazards of falling objects are foreseeable, so as to prohibit any workers from entering the hazardous areas;
- display prominent warning notices to alert workers of the work being conducted aloft and hazards of falling objects;



- ensure that every worker on the site is wearing a suitable safety helmet;
- implement effective monitoring and supervision to ensure that the above safety measures are strictly followed.

## 5. Reference :

- [Five Steps to Risk Assessment](#)<sup>1</sup>
- [Safe Systems of Work](#)<sup>1</sup>
- [Brief Analysis of Site Accident Cases](#)<sup>1</sup>
- [Safety Handbook for Construction Site Workers](#)<sup>1</sup>

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## **Work Safety Alert** **Collapse of Containers**

- 1. Date of Accident :** November 2013
- 2. Place of Accident :** A container terminal in Kwai Chung
- 3. Summary :**

The spreader of a travelling rubber-tyre gantry crane hit against a stack of containers and caused the collapse of several containers onto a vehicle below, resulting in the death of a worker inside the vehicle and injury to the driver.

### **4. Work Safety Alert for Proprietors/Employers :**

Proprietors/employers undertaking container handling operation involving the use of a gantry crane should:

- appoint a competent person to conduct risk assessments with due regard to gantry crane operations, the layout of container yard and work environment;
- formulate and implement an effective safety management system which should include, but not limited to, the following:
  - control measures to avoid unauthorized entry of persons or vehicles into the operating zone of the gantry crane;
  - ensuring that the spreader of the gantry crane is raised to a height well above the top of the adjacent stacks of containers before and during the travelling of the gantry crane;
  - installing suitable safety devices on the gantry crane, such as closed-circuit televisions to enhance the operator's views and audio/visual alarms to give out warning signals to alert persons working nearby;



- as far as practicable, installing anti-collision device on the gantry crane to avoid any part of it from colliding with adjacent objects;
  - ensuring that the safety devices installed are properly maintained and in good working order;
  - specifying and restricting the travelling speed of the gantry crane;
  - ensuring that the stacking height of containers is as low as possible, with due consideration of ground condition, layout of container yard, configurations of plant and machinery involved, human factors and genuine operational need; and
- provide gantry crane operators and workers with adequate information, training and instruction in respect of the above safe system of work; and
  - implement effective monitoring and supervision to ensure that the above safety measures are strictly followed.

## 5. Reference :

- [Five Steps to Risk Assessment](#)<sup>1</sup>
- [Safe Systems of Work](#)<sup>1</sup>
- [A Guide to the Factories and Industrial Undertakings \(Cargo and Container Handling\) Regulations](#)<sup>1</sup>
- [Code of Practice on Mechanical Handling Safety in Container Yards](#)<sup>1</sup>

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### **Work Safety Alert** **Fall from a Bamboo Scaffold**

- 1. Date of Accident :** December 2013
- 2. Place of Accident :** An industrial building under renovation in Sha Tin
- 3. Summary :**

A plasterer fell to his death from about 18/F level down to 4/F while he was working on a bamboo scaffold erected at the external wall of the building.

#### **4. Work Safety Alert for Contractors/Employers :**

To prevent any person undertaking work-at-height on scaffolds from falling, contractors/employers should ensure that:

- task specific risk assessments are conducted and appropriate safe working procedures are formulated for the work;
- suitable and adequate safe access to and egress from every place of work are provided and properly maintained;
- suitable working platforms are provided and properly maintained;
- the working platforms are provided with suitable guard-rails and toe-boards;
- the scaffolds are inspected and certified safe by a competent person;
- where use of working platforms is impracticable, workers are wearing suitable safety harnesses connected to proper anchorages; and
- an effective monitoring and supervision system is developed and implemented.



## 5. Reference :

- [A Guide to the Provisions for Safe Places of Work under Part VA of the Construction Sites \(Safety\) Regulations<sup>1</sup>](#)
- [Code of Practice for Bamboo Scaffolding Safety<sup>1</sup>](#)
- [Guidance Notes on Classification and Use of Safety Belts and their Anchorage Systems<sup>1</sup>](#)

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