職業安全及健康部
Occupational Safety and Health Branch
勞工處
Labour Department

Work Safety Alert
Trapped between a Mobile Crane and a Railing

1. **Date of Accident :**   January 2020

2. **Place of Accident :**   A construction site

3. **Summary :**

   A rigger was trapped to death between the rear part of a crawler-mounted mobile crane being slewed and a nearby metal railing.

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

   To prevent any workers/ employees from being struck or trapped by a moving plant, such as a mobile crane having travelling or slewing motion, the contractors/ employers should:

   ● appoint a competent person to conduct task-specific risk assessments to identify all potential hazards associated with the work, taking into account the nature of work, the work environment, movement of the plant as well as workers/ employees working in the vicinity;

   ● formulate safe work methods and procedures for the operation of the moving plant with due regard to the results of risk assessments, and following the requirements of safety legislation, relevant codes of practice and safety guidelines;

   ● fence off the operating zone of the moving plant as far as reasonably practicable with suitable warning notices displayed and adopting control measures to prevent any unauthorized entry into the fenced-off area;

   ● ensure that the moving plant is only operated by a person who holds a valid relevant certificate where applicable and who is able to operate the moving plant safely by virtue of his experience and competence;

- ensure an unobstructed passageway, not less than 600 mm wide, is maintained between any part of the moving plant liable to move and any nearby installation/ fixture; and where it is not practicable to maintain such passageway, ensure that no person is allowed to get close to the moving plant when it is in use;

- display "Keep Clear" or other warning notices on the sides and rear of the moving plant;

- appoint and station a signaller to give effective signals to the operator of the moving plant where the operator does not have a clear and unrestricted view of its vicinity;

- install reversing video device to provide the operator with rear-side views on a monitor in the driving cabinet for enhancing the safety of operation of the moving plant;

- provide personal protective equipment such as reflective vests or other devices to all persons assisting in the operation such that they can easily be seen by the operator of the moving plant;

- ensure effective communication among all persons involved in the operation throughout the operation;

- provide all workers/ employees concerned with necessary safety information, instruction and training, and ensuring that they are familiar with the safe work procedures and safety measures related to the operation of the moving plant; and

- establish and implement an effective monitoring and control system to ensure strict compliance with all of the above safety measures.

5. Reference :

- [Safe Systems of Work](1)

- [Five Steps to Risk Assessment](1)

- [Five Steps to Information, Instruction and Training](1)

- [Code of Practice for Safe Use of Mobile Cranes](1)

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DISCLAIMER

This Work Safety Alert ("the Alert") is issued at the earliest possible opportunity after a serious accident with a view to drawing the attention of interested parties to the general safety precautionary measures necessary to protect people engaging in similar work activities. The material contained in the Alert constitutes general guidance only. It does not reduce, limit, or replace, any legal obligations upon any person to comply with any statutory duties under relevant legislation. Users such as Managers and Supervisors should make their own evaluation of the information contained in the Alert to determine if it can be applied to their own situations and practices. The Labour Department does NOT accept any responsibilities for any loss or damage resulting from the use of or failure to use of the information on the Alert.

Note: The material contained in the Alert is not exhaustive, and will be supplemented/ adjusted where necessary if more relevant information comes to light.

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