

SAFETY ALERT



The below information has been issued on behalf of the EFFC to make others aware of the potential risks and possible precautions to take in order to avoid these.

Date/Time of Incident:

23/05/2024
20:00

Type of Incident:

RIDDOR Reportable. Specified Injury

Nature of Incident/Injury:

Partial Amputation to fingers.

Details of Incident:

IP had been removing tremie strings from panel and placing them into the tremie rack. Utilising the attending crane, the IP removed the first 9m tremie section without issue, placing these in the tremie rack. On retrieving the second tremie string the IP placed the lead tremie into the tremie rack. The positioning of the tremie collar had been below the tremie rack top rail. At this stage IP started to remove the tremie wire and suffered an injury to his right hand which resulted in partial amputation to the middle and index finger



Lead tremie placed in tremie rack after the incident. The collar had been 100mm lower during the incident.



Modification made to tremie rack to accommodate the lead tremies.

Root cause (if known):

Mechanical – Modification made to 3m tremie sections to be used as a lead tremie was 300mm shorter than the rest. Tremie racks modified to counter the reduction in length. This prevents the lead from being placed in other compartments.

Systematic – No consistency with the modifications made to the tremie racks or lead tremies. All tremie racks differ in the modifications made, the lead tremies all modified in a different manner to allow for concrete dispersal.

Human – IP placed his hand in a position which had a clear pinch point. Crane operator hoisted without a clear, industry recognised signal.

Action Taken:

Mechanical

- Modifications made to tremie racks removed.
- Lead tremie sections lengthened to 3000mm, design of the lead tremie modified to allow stable storage in the tremie rack.

Systematic

- SSOW revised to include a full sequential step for stripping tremies.
- POWRA introduced across the site, to account for changes during shift hand over.

Human

- Reinforcement of human behaviours in relation to positioning hands. Reinforcement of industry recognised hand signals for signalling cranes.

Lessons Learnt:

Ensure that modifications made are correctly assessed before being implemented.