





18/10/19

Health and Safety near miss Haymarket B1



Incident notification 	Alert 	Information 	Toolbox Talk 
Date and time of incident:	28/02/20 10.30 am	Injury severity:	n/a
Alert Author:	Ken Anderson	Potential severity:	Fatal/catastrophic
HS&W Lead:	Phil Matthews	Investigation Completed:	Full
Operating unit:	Cementation	Operational disturbance:	Struck by object (moving, falling or flying)

What Happened?

Whilst pumping concrete to P114 a small section of the 90° bend connecting the agitator to the concrete Kleber hose (on the concrete pump) blew off and caused a small amount of concrete to spill on the ground (approx. 1m³ or less). The broken piece of steel hit the nearby concrete skip. No injuries occurred.

Key Investigation Learning:

The investigation found no obvious reason why the pipe failed. Wall thickness was within tolerance, and there was no sign of impact fatigue. The pipe may have been dropped on it's end creating a weakness.

Actions from the investigation include:

The inventory should list each item of equipment not just a generic "running gear statement". All equipment must also have a legible identification number.

Copies of all certification and photos of pipework to be sent to the CSL Plant Manager and Site with every hire.

Liaison between CSL and supplier if equipment is transferred to another site to arrange for supplier to inspect each pump and measure the wall thickness of pipework every 8 weeks.

Steel pipe bends will now be specified for CSL as opposed to cast ones

CSL & supplier to arrange refresher training on the use, maintenance and clearing of blockages

Supplier to investigate the best option for marking individual items of pipework

Piece of cast that blew off



90 degree bend in situ



OU/Project Specific Learning Points:

Pumping concrete involves the use of a pressurised system so all pipework should be inspected for any signs of damage prior to the start of every concrete pumping operation.

Do not impact the pipework with any solid object to clear blockages – this can damage the pipework with no visible signs.

BU Considerations for Learning:

All pipework should be inspected for any signs of damage prior to the start of every concrete pumping operation. Ensure prior to use, wall thickness is tested, there is a means of identification and all equipment is accompanied by a certificate.

Do not impact the pipework with any solid object to clear blockages – this can damage the pipework with no visible signs – and ensure the pipework is handled correctly in transit or storage.

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Incident notification



Alert



Information



Toolbox Talk



Basic Risk Factor:

- | | | | |
|--|---|---|---|
| <input type="checkbox"/> Housekeeping | <input type="checkbox"/> Defences | <input type="checkbox"/> Design | <input type="checkbox"/> Error Enforcing Conditions |
| <input checked="" type="checkbox"/> Procedures | <input type="checkbox"/> Incompatibility of Goals | <input type="checkbox"/> Maintenance Management | <input type="checkbox"/> Organisation |
| | <input checked="" type="checkbox"/> Tools/Equipment | <input type="checkbox"/> Training | <input type="checkbox"/> Communication |

Distribution:

- | | | |
|----------------------------------|--------------------------------------|---|
| <input type="checkbox"/> EMT/SMT | <input type="checkbox"/> All OUs/EFs | <input checked="" type="checkbox"/> Originating OU Only |
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Action Required:

- | | | |
|---|----------------------------------|---|
| <input checked="" type="checkbox"/> Brief | <input type="checkbox"/> Display | <input type="checkbox"/> Information Only |
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