



QSET - Incident Alert

(Quality, Safety, Environment and Traffic Incident Alert)

Alert No: 0155

Date: 31/08/16

Please select one

Quality

Safety

Environment

Traffic

Photographs



Incident Details

Pioneer Pumps were engaged to pump 100m3 concrete into floor of north bound sump. A boom pump was set up and a 3 inch steel re-enforced rubber hose was used to deliver the concrete at the bottom of the sump from the pump.

At approximately 4.30am pressure built up in the 3 inch pipe and it ruptured.

A Pioneer Pump Linesman was straddling the end of the pipe was struck between his legs by the uncontrolled movement of the pipe.

Note: Line split however length of hose remained intact.

Casual Factors

Primary Causes:

- Pressure in flexible line built up enough until the wall of the line failed resulting in the line snaking up and striking the Linesman between the legs.
- Pump Operator failed to hear the radio communication from the Linesman telling him to stop pumping.
- The line appears to not have been cleaned adequately after previous pour resulting in material building up in line.

Lessons Learnt

- Any line/hose that operates under pressure should have a preventative inspection, test and maintenance programme.
- Exclusion zone around the line until the grout has been pumped through to be established for next pour, as this is a high risk time of a failure.
- A documented plant and equipment check / inspection should be done thoroughly before pumping.



Incident Alert Follow-up Report

Alert No: 0155

Date: 31/08/16

To: All Area Managers

Please analyse the incident alert referred to above and answer the following questions:

1. Could this incident occur within your area of responsibility?

(Tick one)

YES

What control measures are currently implemented/should be implemented to eliminate the re-occurrence of a similar type of incident?

NO

Please provide a reason why this type of incident could not occur in your work area

2. Are the control measures sufficient to prevent or mitigate the risk of an incident of this type (or similar)?

(Tick one)

YES

Please complete section 3

NO

Please complete the table below

ACTION (To be taken)	RESPONSIBLE PERSON	DATE (to be completed by)

3. Please complete & return to H&S, Quality, Environment or Traffic Manager

Area Manager's Name: _____

Signature: _____

Date: _____