

Workplace Health and Safety Queensland

1. Concrete pumping plant issues

Concrete pumping plant has a high risk level therefore it is extremely important to use plant that is manufactured and maintained to high standards.



Serious incidents with concrete pumps include the following:

- collapse of concrete placement booms
- rupture of concrete placement lines, and
- amputation of body parts in the concrete pumping hopper.

Always remember to carry out:

- routine maintenance and inspection of concrete pumping equipment
- annual safety inspections of concrete pumps (recording all documentation)

- major strip down inspections after six years by a professional engineer, including the provision of a detailed report
- inspection of pins to ensure they are in place and not worn, and
- inspection of concrete pumping pipes.

Never use:

- pipe that has a wall thickness less than permitted by the concrete pump manufacturer
- a damaged pump or concrete placement boom
- a repaired concrete placement boom unless the repair has been certified by the boom manufacturer or a professional engineer
- pipe clamps that have a pressure rating less than the maximum pressure of the concrete pump, or
- quick release clamps unless a safety pin is inserted.

More information

Further information is available from www.worksafe.qld.gov.au or by calling the WHS Infoline on 1300 369 915.

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Workplace Health and Safety Queensland, Department of Justice and Attorney-General

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