

Workplace Health and Safety Queensland

2. Concrete pumping—safe use

Concrete pumping requires high levels of skill and preparation to complete safely. Incidents that can occur when safe systems are not used include:

- overturning of mobile concrete placement booms
- crushing injuries and abrasions
- amputations from contact with moving parts
- electrocution from contact with overhead powerlines
- dermatitis from contact with concrete
- permanent hearing and vision damage
- fatal injuries caused by contact with moving plant.



Always remember to:

- set up the plant on level ground
- place timber or pads under outrigger feet
- set up outrigger pads away from trenches and soft ground

- fully extend all outriggers unless the boom manufacturer states short legging is permitted and you have prepared a detailed short legging work method statement
- wear safety footwear and safety glasses
- use gloves and hearing protection where necessary
- aim to set up away from powerlines
- comply with minimum exclusion zones for powerlines
- use a safety observer when powerlines are in the operating radius of the boom.

Never:

- override hopper grate interlocks
- hang more hose on the end of a concrete placement boom than specified by the boom manufacturer
- use a boom to drag hose across the ground or to lift loads
- attach reducers or hoses to the end of the boom without safety chains or slings that are properly secured, or
- operate a boom near powerlines without a safety observer.

More information

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

1

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

FACT SHEET – Concrete pumping – safe use

PN10125 Version 1. Last updated 29 July 2009.