

## 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](http://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

FACT SHEET – Concrete pumping – safe use

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