

Safe Delivery to Concrete Pumps

22 Golden Rules



What is Required of the Customer and/or Pump Operator

Site access and traffic control

- 1 A spotter (traffic controller) to assist in conditions involving reversing in low light, low clearance, obstacles, tight access or vehicle and/or pedestrian traffic
- 2 The concrete pumping area should be level and clear of building rubbish, materials or other slip/trip hazards
- 3 If concrete pumping is taking place on the roadside ensure that
 - a safe area to discharge is provided
 - the driver does not need to breach road rules
 - an exclusion zone using traffic control cones is provided

Additionally for a 2 truck feed

- 4 Provide a spotter to assist reversing trucks
- 5 Ensure a minimum clearance of 600 mm between trucks or stationary objects

General Requirements for all Pumps

- 6 The pump operator must be positioned to have clear vision of the pump hopper and truck driver – or approved communication arrangements are required
- 7 The pump must be fitted with a secure hopper grate
- 8 An emergency stop must be located within easy reach of the concrete truck driver
- 9 Safety pins are to be fitted to all couplings and clamps

Additionally for Boom Pumps

- 10 Boom operator to be certified by WorkCover and at least one additional trained linesman provided during pumping
- 11 The boom should not be rotated over trucks or drivers

- 12 The delivery hose is to be secured by a safety chain, webbing or cable
- 13 Only one (1) drop hose is to be fitted to the boom
- 14 Outriggers must be correctly set up
- 15 Pump to be set up to a level within manufacturer's recommendations

Lines, couplings and fittings

- 16 All lines, pipes, couplings and fittings must be capable of withstanding the maximum pump pressure (including during blockages) or the pump pressure must be adjusted so that it does not exceed pipeline rating
- 17 No one is to stand within 10 metres of a leaking pipe or fitting when the pump is operating

Pump Inspections

- 18 Daily - Pre-start check by operator
- 19 Monthly - All metal pipeline, reducers, bends, hose and couplings to be ultrasonically tested

Electricity

- 20 Boom pumps must observe the following approach distances from overhead power lines
 - 3 m – up to 132,000 volts
 - 6 m – from 132,000 to 333,000 volts
 - 8 m – over 330,000 volts and where the voltage is not identified*
- 21 Earth straps are to be fitted when working near power lines (in accordance with AS 2550)

Blockages

- 22 A pressurised line must never be opened

* Clearances cited are applicable in NSW only. Contact the relevant authorities for clearances in other States.

Disclaimer: Cement Concrete & Aggregates Australia (CCAA) has developed this brief guide in the interests of promoting safety awareness. It is not, however, a comprehensive safety publication. Various occupational health and safety laws, regulations and standards (OH&S Laws) may apply to the hazard, procedure or matter identified in this publication. CCAA has not conducted a review of applicable OH&S Laws and following this publication does not ensure your compliance with them. It is your responsibility to be aware of and to comply with all applicable OH&S Laws. This publication is not a substitute for proper professional advice.