



CPAA National Office
Suite 2, Level 1
336 Keira Street
Wollongong NSW
Australia 2500

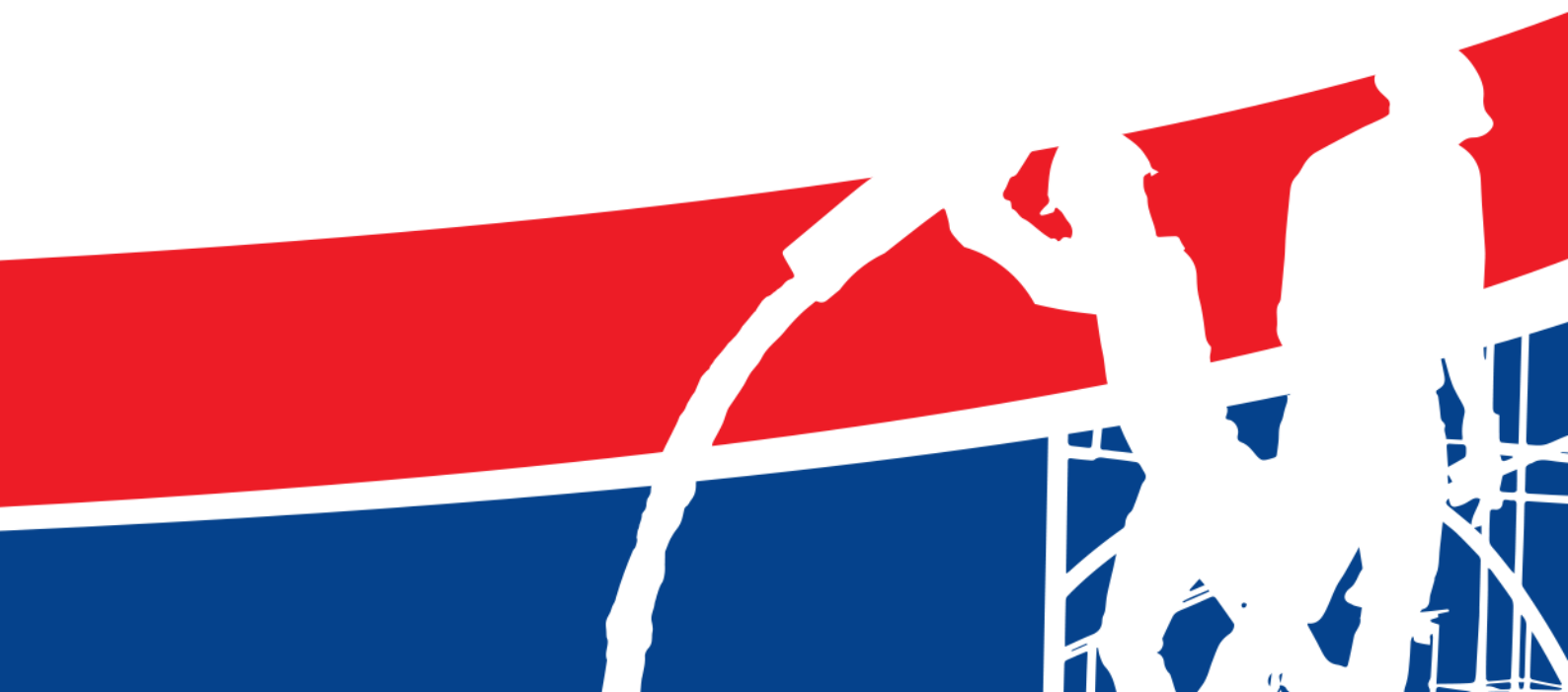
Postal Address
PO Box 1194
Wollongong NSW 2500

P 1300 136 636
F (02) 4258 0169
W www.cpassoc.com.au
E exec@cpassoc.com.au

Safety Bulletin

- Outrigger Crushing Hazard

This Safety Bulletin has been published to highlight to owners and operators of concrete placing booms of the hazards and risk to workers and public being crushed by opening or closing outriggers.



Audience

- Owners of Concrete Placing Equipment
- Operators of Concrete Placing Equipment
- Persons Servicing and Repairing Concrete Placing Equipment
- Persons Inspecting and Certifying Concrete Placing Equipment
- Contractors operating near Concrete Placing Equipment

Summary

Concrete Pumping Association of Australia (CPAA) is the national body representing the interests of the concrete pumping industry. The CPAA provides a strong, unified and respected voice for the concrete pumping industry across Australia working to improve the professionalism, safety and quality of the industry it represents, and accordingly these 'Safety Bulletins' are published to keep members abreast of issues relevant to our members.

Crushing Hazard Swing out style Outriggers

A crushing hazard is present when opening or closing Outriggers. This hazard is enhanced when a swing style outrigger is being operated.

Concrete Pump Operators, Workers, or members of the public may all be exposed to the hazard when standing in the swing path of the outrigger (as pictured below).



Control Measures

The below Control measuresⁱ are a best practice guide to preventing the incident from occurring using the Hierarchy of Control:

- The ability to open or close a leg from the opposite side should not be performed without the use of controls such as a spotter with visual or two way communications.
- The use of alarms, horns, squawkers or Lights activated by the outrigger leg controls will alert workers to the movement of the outriggers.
- Exclusion zones that prevent workers or public entering the pumping setup location should be utilized.
- Operator should only operate one leg control at a time, and be in visual contact with that leg as it moves.



Visual Safety Warnings

Australia Standards AS2550.15 and various state Codes of Practice require that all types of concrete pumping equipment must conform to a minimum standard of visual safety warnings. The Association has produced safety sticker kits including instructions for sticker location on the unit.

See the link <http://shop.cpassoc.com.au>

Next Steps

The Concrete Pumping Association of Australia Management Committee has committed to the development of 'National Concrete Pumping Industry Guidelines' to clarify and better align national requirements for the safe operation, cleaning and maintenance of concrete placing equipment, in particular recommendations on how and when to carry out major inspectionsⁱⁱ. For further information and assistance contact the Concrete Pumping Association of Australia on 1300 136 636.

References

- ⁱ Pump Safe Australia (2005) – Safety Manual, Concrete Pumping Association of Australia, Sydney pgs 98
- ⁱⁱ AS 2550.15 (1994) Cranes - Safe use - Concrete placing equipment, Sydney, Standards Australia

Want to ensure you receive all information published by the Concrete Pumping Association of Australia, consider joining your industry association today!

www.cpassoc.com.au

