



## SAFE PUMP DELIVERY TIPS

When delivering concrete to a worksite it is important there is a safe area for discharge and that any hazards encountered are appropriately managed.

These **Safe Pump Delivery Tips** have been developed to assist concrete suppliers in determining whether it is safe to discharge to a concrete pump, including both line and boom pumps. This checklist highlights the fundamental safety controls that should be in operation and that can be visually checked for to ensure concrete pumps are set up and being operated in a safe manner.

The intention of this checklist is to draw attention to control measures and ensure that they are being consistently applied at worksites. Where uncontrolled risks are identified at a worksite, these should be addressed immediately by either communicating your concerns directly to the pump operator, site supervisor or your plant manager.

For more detailed information on safe operation, maintenance and interaction with concrete pumping equipment, refer to the CCAA **Concrete Pump Delivery Industry Guidelines**. This Guideline aims to ensure a safe working environment when utilising concrete pumps and explains in detail the relevant risks and controls to help plan for safe delivery of concrete.

### RISKS ASSOCIATED WITH DELIVERY TO CONCRETE PUMPS

There are a number of risks associated with the delivery and discharge of concrete to line and boom pumps. These risks include:

- Vehicle interactions associated with pumping equipment and concrete agitator trucks and any other vehicles in the vicinity of the site
- Faulty pumping equipment, that can lead to blown pump lines
- Crush points and confined spaces
- Electrical risks due to interaction with overhead power lines or other sources
- Slips, trips and falls due to poor site set up
- Unstable pumping equipment due to ground conditions and other factors
- Health risks associated with fumes and noise from the operation of the concrete pump.

### STEP 1 - TAKE FIVE TO STAY ALIVE

- 1 Stop, Look and Walk Around
- 2 Think Through the Task
- 3 Identify Hazards
- 4 Control and Communicate
- 5 Do the Job Safely

If you don't feel safe to work on the site then stop.

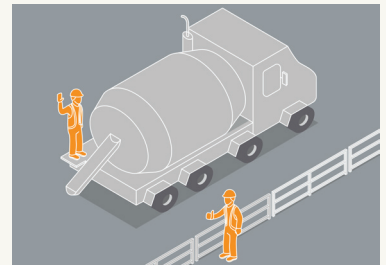
Immediately communicate any issues or changes on site to the Site Managers or back to your Plant Manager.

## STEP 2 – VISUAL CHECK FOR CONTROLS

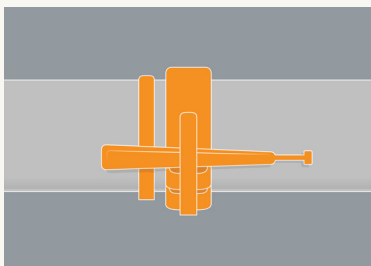
### 1 Safe site set up with pump in an accessible location

- Ensure there is a clear and safe space for agitator truck to discharge
- Assess slip and trip hazards, such as uneven ground, use of plastic ground sheets or oily surfaces.
- Traffic management is in place to ensure safe access to pump
- Use of spotter for safe reversing onto pump
- Adequate lighting where applicable

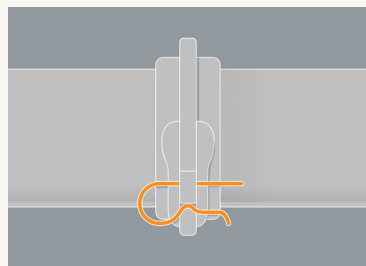
### 2 Agitator driver can see and communicate with pump operator at all times during discharge



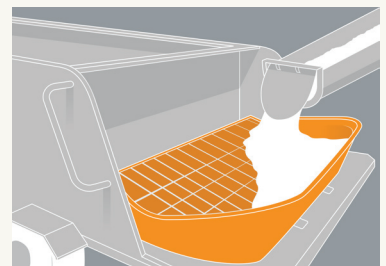
### 3 Clamps on pump line are correctly fitted and secured



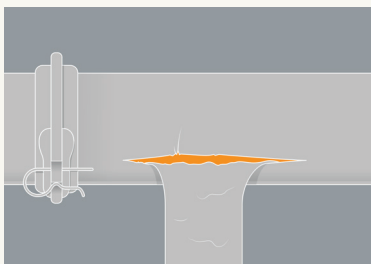
### 4 Safety pins on pump clamps are in place and secured



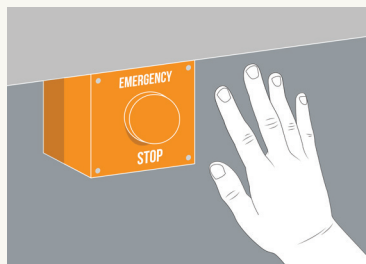
### 5 Hopper grate on pump is in place, secured and interlocked



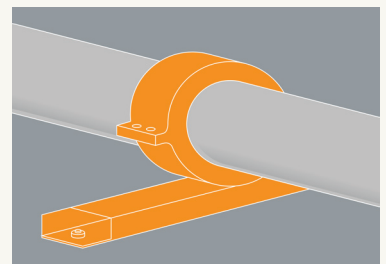
### 6 No seepage from pump line or seams



### 7 Emergency stop button is accessible at discharge point and functioning

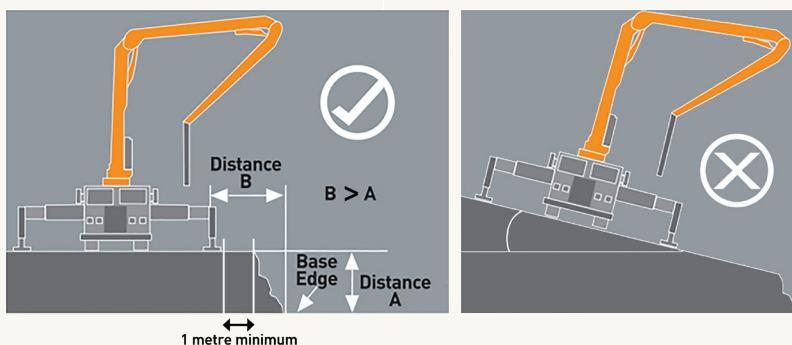


### 8 Pump line is secured with anchor brackets to prevent against unintended movements



## Additional Controls for Concrete Boom Pumps

### 9 Pump is level and on stable ground with outriggers fully extended and pigstayed



### 10 Safe clearance from powerlines and other electricity sources

