

# CFMEU SAFETY ALERT

## Requirements for setting up mobile cranes and truck mounted concrete placing booms

30th June 2017



Following an incident on Monday 26/06/2017 where a slewing mobile crane tipped over due to an out rigger breaking through a water pipe the CFMEU recommend the following when setting up mobile cranes and truck mounted concrete placing booms:

Obtain a Mobile crane/Truck mounted concrete placing boom permit from the builder. If the builder can't provide the permit and all the verifying documentation **DON'T** proceed, it is the builder's responsibility to provide you with a safe system of work.

The permit shall include the following:

- Is the crane / boom pump going to be set up in multiple locations?
- The bearing surface capacity is verified at each location.
- The crane/boom pump is to set up on stable ground free from underground services, pits & voids.
- That all locations are sufficiently clear of excavations, embankments or waterlogged surfaces.
- Where outriggers are used, there is adequate room for the set up in accordance with the manufacturer's specifications.
- Are underground services clearly marked on the ground?
- Where required, engineered bog mats, steel plates, outrigger pads, etc. placed under the outrigger footplates.

REPORT UNSAFE WORK PRACTICES CALL (08) 9228 6900 OR EMAIL [SAFETY@CFMEUWA.COM](mailto:SAFETY@CFMEUWA.COM)

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AUTHORISED MICK BUCHAN, STATE SECRETARY CFMEU WA, 80 BEAUFORT STREET PERTH

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- Where the crane/boom pump is to be set up on a suspended slab or structure an engineer's report has been provided verifying the structural integrity.
- Is there a requirement to obtain a permit or authority from an external source or authority, e.g. setting up above underground rail system?
- Are there overhead/underground power lines that need to be considered?
- Where required, has a permit and/or lane closure been obtained from the Traffic Authority/Council including an approved traffic management plan?

As built drawings, dial before you dig information and ground bear capacity documentation must be provided by the builder and attached to the permit.

The permit must be signed off by the builder or his representative and attached to a task specific SWMS with all associated documentation prior to the set up commencing.

For further information in regard to siting of cranes refer to As 2550.5-1993

## Mobile Crane / Truck Mounted Concrete Placing Boom Set Up Permit

Workplace:			
Subcontractor:			
Plant Identification	Registration #:	Serial #:	Plant Induction No#:

This checklist is to be completed:

- Each time a slewing, non-slewing crane or truck mounted concrete placing boom arrives at the workplace and before its use;
- If the bearing surface capacity is not verified at each subsequent relocation.

Before lifting / concrete pumping operations can commence, the following shall be verified by the Site Manager or a nominated Site Supervisor.

Outline of work to be Undertaken:		Yes	No	N/A
Crane	Lifting gear: Is a Certificate of Inspection Examination available from NATA accredited third party?			
	Do any synthetic lifting slings display signs of wear - if so they should be removed from service.			
Boom Pump	Pipe thicknesses: Monthly pipeline thickness testing has been conducted and results available?			
	Records available for Twin walled pipes showing cumulative m <sup>3</sup> pumped?			
Crane / Concrete Placing Boom Set up		Yes	No	N/A
Is the crane / boom pump to be set up in multiple locations?				
Location(s) where crane/boom pump is to be set up on stable ground/surface free from underground services, pits, voids?				
Location(s) is sufficiently clear of obstructions, embankments or waterlogged surfaces?				
Where outriggers are used, there is adequate room for the set up in accordance with the manufacturer's specifications?				
Where required Engineering mats, steel plates, outrigger pads, etc. placed under the outrigger footplates?				
Where the crane/boom pump is to be set up on a suspended slab/structure an engineer's report has been provided verifying the structural integrity?				
Is there a requirement to obtain a permit/authority from an external source or authority, e.g. setting up above underground rail system?				
Are there overhead/underground power lines that need to be considered?				
Where required, has a Permit and/or lane closure been obtained from the Traffic Authority/Council?				
Verified by Site Manager / Supervisor:				
Name:	Signature:	Date:		
Operator:				
Name:	Signature:	Date:		

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