

CONCRETE PUMPS INSPECTOR'S TOOL

KEY	DESCRIPTION
EC	Enforcement Considerations
IN	Improvement Notice
PN	Prohibition Notice
HSE Act	Health and Safety in Employment Act, 1992
Guide	Concrete Pumping Health and Safety Guidelines, MBIE 2013

AREA OF ASSESSMENT	REFERENCES	EC	PAGE
1. NATURE OF WORK: <ul style="list-style-type: none"> › Have site-specific hazards introduced by these operations been identified and mitigated? › Has a lift plan been communicated to all workers involved in the operation, and appropriate hose-hands briefed? How? › Has pedestrian and traffic flow around operations been controlled? › Has an acceptable area been set up for safe receiving of concrete delivery vehicles? 	Guide 2.1 Guide 4.2,4.3 Guide 4.8 Guide 4.8	PN	6
2. SET-UP STABILITY: <ul style="list-style-type: none"> › Is the boom arc free from obstacles including overhead hazards? › Are outriggers (if needed) used to level the machine correctly, fully extended and used on firm footings? › Is the machine operated on level ground? 	Guide 4.4 Guide 4.5	PN	11
3. OPERATOR COMPETENCY - Look for the following: <ul style="list-style-type: none"> › Evidence of company or manufacturer's training. › Familiarity with machine. › Hose-hand operators are knowledgeable about safe practices and have a predetermined method of communication with operator. 	Guide 5.3 Guide 5.4 Guide 5.5	IN	14
4. ONBOARD DOCUMENTATION: <ul style="list-style-type: none"> › Operator/manufacturer's instructions. › Logbooks › Pre-start checks in line with the above › Operator instruction labels (decals) are legible on all controls › Record of inspection 	Guide 6.2 Guide 6.8 Guide 6.9 Guide 7.2	IN	17

<p>5. PIPELINE SET-UP:</p> <ul style="list-style-type: none"> › Unnecessary bends are avoided. › Quick release pipe clamps, and connections have locking pins and safety chain/wire in case of blowout. › Clamps are marked with operating pressure, and are compatible with the pipeline set up. › The correct concrete pump mix is being used. 	Guide 4.9	IN	21
<p>6. SAFE OPERATION:</p> <ul style="list-style-type: none"> › Look for safe use of remote control boxes. › Is the operator able to safely control the pump and boom, while maintaining contact with hose-hands? › Are there emergency procedures that have been communicated to the workers before pumping begins? › Can the operator identify demonstrate the emergency stop/cut-out devices? › Are hopper guards, that prevent access to moving parts, installed? › Are they connected with an interlock cut-out switch that stops the moving parts when lifted (usually for cleaning)? <p>Hydraulic hoses and rams:</p> <ul style="list-style-type: none"> › Any evidence of excessive leaks? › Are hoses and protective coverings intact? 	<p>Guide 3.3 Guide 5.4 HSE Act s 12 Guide 4.7 Guide 5.3</p>	IN	24
<p>7. MACHINE WARNING DEVICES:</p> <ul style="list-style-type: none"> › Are movement-limiting devices/limit switches present and active? (Ask for a demonstration.) 	Guide 3.3		27