Site Risk Assessment

WHEELER CRANES & SERVICES PTY LTD
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PO Box 452
RAYMOND TERRACE NSW 2324
Phone: 4964 9991 Fax: 4964 9992
24 Hours - 7 Days

This form to be completed for each call order

Date **Unit** **Client** **Location**

Risk ID	Description of Hazard	Applies to task Yes	Applies to task No	Standard Control Measures				Controls adequate? Yes	Controls adequate? No
1	**ELECTROCUTION** - Power Lines	☐	☐	☐	Power Isolated	☐	Reposition crane to avoid	☐	☐
				☐	Maintain minimum clearance distance	☐	Set work sequence to avoid		
				☐	Driver/Spotter trained if working within distance				
2	**ROADS** - Collision on public roads	☐	☐	☐	Traffic Control needed/in place	☐	Plan set up to avoid obstructing	☐	☐
				☐	Flashing lights and hazard lights used	☐	Witches hats/Barriers		
3	**SURFACE DAMAGE**	☐	☐	☐	Gain permission to access	☐	Plan route to avoid	☐	☐
				☐	Gain permission to set up on	☐	Plan set up to avoid		
I, _____, authorised representative of _____ have discussed and agreed to the path and location of set to be used by Wheelers Cranes equipment. I understand that Wheeler Cranes is not responsible for damage to paths, driveways or sub-surface installations and release and indemnify Wheeler Cranes from responsibility for damage to any paths, driveways or subsurface installations. signed date									
4	**BOGGING** Loss of control - Bogging/Sliding due to surface conditions	☐	☐	☐	Use correct crane for task	☐	Use correct gear (Low/4WD)	☐	☐
				☐	Increased pad size for outriggers	☐	**Customer agrees to meet recovery/de-bogging costs**		
					Customers authorised representative Name				
					Signature				
5	**Communication** - obstructed sight lines, excess noise	☐	☐	☐	Hand signals	☐	UHF Radio	☐	☐
				☐	Whistle signals	☐	direct verbal		
				☐	Intermediate Relay	☐	Mobile phone		
6	**UNDERGROUND SERVICES** - Fall due to/damage to	☐	☐	☐	Establish location	☐	Plan route to avoid	☐	☐
				☐	Gain permission to cross/set up on	☐	Use spotter while travelling		
						☐	Plan set up to avoid		
7	**TRENCHES** - Fall due to ground slippage	☐	☐	☐	1:1 Gradient maximum	☐	Increase pad size for outriggers	☐	☐
				☐	Fill trenches/engineered revettment	☐	Plan set up to avoid		
8	**SUSPENDED SLAB** - Fall due to failure of	☐	☐	☐	Engineering certificate sighted	☐	Tyre ground pressures checked	☐	☐
				☐	Outrigger ground pressures checked	☐	Back Props adequate		
9	**DRIVING ON SITE** - moving plant	☐	☐	☐	Site Speed limits apply	☐	Escort provided	☐	☐
				☐	Site traffic plan in place	☐	Use spotter while travelling		
				☐	Flashing lights and hazard lights used	☐	Use spotter as needed in reversing/tight situations		
10	**O/HEAD STRUCT.** - Collision with	☐	☐	☐	Organise removal	☐	Plan route to avoid	☐	☐
				☐	Maintain clearance while working	☐	Plan set up to avoid		
11	**UNAUTHORISED PERSONNEL** - on site	☐	☐	☐	Site/job has safety fence in place	☐	Spotter in place	☐	☐
				☐	Site/job has barricade/tape in place	☐	Site/job has traffic control in place		
12	**WORKING AT HEIGHTS**	☐	☐	☐	Access is appropriate? EWP/Scissor Lift/Scaffold/Platform Ladder	☐	Ladder secured top and bottom	☐	☐
						☐	Harness secured		
13	**LOAD, BOOM, C/WEIGHT STRIKE**	☐	☐	☐	Communications with other crews	☐	Plan lifts to avoid	☐	☐
				☐	Communication within crew	☐	Position plant to avoid		
14	**MANOUEVERING -** Load on site	☐	☐	☐	Slew Path planned to avoid personnel	☐	Franna path planned	☐	☐
				☐	Slew Path planned to avoid equipt	☐	Side Slopes assessed		
				☐	Tail Swing free of obstruction	☐	Tag Line attached/anchored		
15	**ISOLATION** of equipment	☐	☐	☐	Isolation and tag out applied	☐	Confirm de-energised and tested	☐	☐
16	**WIND** - struck by load/damage to boom	☐	☐	☐	Wind within manuf. Wind limit	☐	Load shape & size suitable	☐	☐
				☐	Tag lines	☐	Load kept close to ground		
				☐	short boom				
17	**ENVIRONMENTAL** hazards	☐	☐	☐	Spill kit available	☐	Hydration for heat stress	☐	☐
				☐	Ventilation for fumes	☐	Noise limits & time restrictions		
				☐	PPE for chemicals	☐	MSDS		
18	**VISIBILITY** reduced	☐	☐	☐	External lighting	☐	Lighting not in eyes	☐	☐
19	**FATIGUE**	☐	☐	☐	Crew rested and able to work	☐	Work will not exceed max hours	☐	☐
20	**MAN BOX** work	☐	☐	☐	Man Box checklist completed	☐	Man Box JSA completed & Toolboxed	☐	☐
21	**Additional Control Measures required**, i.e. other risks not listed, or control measures not listed above (refer to item no.)								
22	**LIFTPLAN-** capable of performing lift	☐	☐	☐	Crane performance calc completed overleaf	☐	Lifting gear configuration complete	☐	☐
				☐	Lifting Equipment inspected and in good order				

Critical Lift Study

Unit _____

Crane capacity _____

Description of Load _____

Lift 2	Lift 3	Lift 4	Lift 5

Lifting Gear configuration

No.	Rigging to be used (list)

Minimum Working Load Limit of rigging **A** _____ T

Crane Configuration

Required radius to be used			m		
Boom Length			m		
Fly/Needle			m	offset	°
Manual Length			m		
Counterweight			T		
(Slew Only) Outrigger Config.	Full	Half	Rubber		
(Franna only) Degree of Articulation	<10	10-40			

Crane Capacity according to AS Charts (single crane) **B** _____ T At radius used

Winch/Hook Block

Hook **Main/Aux** Max. selected **hook block** capacity **C** _____ T

Winch line pull _____ T x Parts of Rope _____ = WLL **D** _____ T

Load Calculation

Weight of hook block(s) **e** _____ T

Estimated weight of rigging **f** _____ T

Weight of load **g** _____ T

Weight obtained from: (optional)

name and signature

Total Load (e+f+g) **H** _____ T

Add Multi-Crane lift factor **I** _____ %

1 crane = 0%, 2 cranes = 20%, 3= 33%, 4= 50%

J _____ T HxI

K _____ T H+J

Are **A, B, C & D** all GREATER than K

Yes ☐ Proceed

No ☐ STOP, RE-ASSESS

	name and signature	initial as appropriate
Operator		
Dogman		
Client (optional)		