

Con	crete Pumping Risk Assess	sment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Emei	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PCI		
Under the Work Health and Safety Regulation (WHS Regulation), a is prepared before the proposed work starts.	person conducting a busine or un	ndertaking PCBU required to ensu	re that a RISK ASSESSMENT
Full Name:			
Signature:		ritle:	Date:
CL	OR PRI CIN LCO. TRACTOR I	DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project New			



RISK MATRIX								
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE MA	JOR CATASTROPH			HIERARCHY OF CONTROLS	
ALMOST CERTAIN	3 HIGH	3 HIGH		4 4 JTE ACUTE	SCORE	ACTION	Elimination Remove the hazard.	
LIKELY	2 MODERATE	3 HIGH	U U U U U U U U U U U U U U U U U U U	4 4 JTE ACUTE	4A ACUTE	DO NOT PROCEED	Substitution Replace the hazard. Isolation	
POSSIBLE	1 LOW	2 MODERATE		4 JTE ACUTE	3H HIGH	Rev before work art	Isolate People from the hazard Engineering Isolate the	
UNLIKELY	1 LOW	1 LOW		3 Z GH ACU E	MC RATE	Ensure control measures in place.	Activité istrativ e Chang	
RARE	1 LOW	1 LOW		3 GH H. 1	1L LOW	Monitor and keep records.	PP	
Mathod Statement (SWMS) or his er-level authorisation is required. Coloured pyramid: 3H Review and approve additional controls are in prace and efficiency proceed with caution; monitor conditions. 1L Proceed, following standard operating procedure: Monitor and keep records.							Remember to apply controls in the preferred order shown by the coloured pyramid: Eliminate Substitute Isolate Engineering 	
Consequence		injury/illness)	Project / Ass	Significant regula	pliance / Reputat ator intervention; c		Always document why a lower-order control is accepted if	
Catastrophic Major	Fatality or perma Serious injury/illr days)			wn prosecution	tice; major media		elimination or substitution is not reasonably practicable. aligned with Safe Work Australia's Managing the risk of fatigue at	
Moderate	Medical-treatmen	nt injury; lost-tim	e > 1 moderate dela	y Minor breach; ad	Minor breach; adverse client comment		work (2023) and ISO 45001:2018 clauses 6–8.	
Minor	First-aid only, no	lost time	negligible dela	y Isolated non-con	formance			
			no schedule		Deviation caught and corrected on site			



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
1. Preparation	manual handling, slip and trip	ЗН	 Conduct risk assessment and site inspection Ensure all workers have completed WHS induction Use mechanical aids for lifting heavy object Clear walkways of any obstructions Conduct toolbox talk focusin on manual handh wand slip heroids Ensure appropriate PPE is a wable and used Use signage to increate mentia enzards Limit storage and materia on the incrediate real Clear wilk spinkenmediately Schuld regular usekeeping checks 	2М
2. Delivery of Equipment	vehicle collisions, falling lead during unloading	31	 Design te a ofe unloading area The traced sign of personnel during unloading Implored traffic management plan spect orane and lifting equipment for faults Lunit access to the immediate unloading area Use spotters during unloading procedures Ensure loads are properly secured before moving Communicate via radio when large vehicles are moving Rotate staff to prevent fatigue Wear high-visibility PPE 	2М
3. Setup of Concrete Pump	equipment failure, incorrect setup leading to tip-over	4A	 Verify ground conditions for stability Conduct pre-start checks on equipment Use appropriate setup procedures as per manufacturer Position the pump away from edges and holes Train operators in specific setup requirements Include detailed checklists for setup verification Engage site engineer to review setup Isolate work area during setup 	2M



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			- Use stabilisers and outriggers appropriately	
			- Keep unauthorised personnel out of setup area	
4. Operation Commencement	hose whip, high pressure burst	4A		2M
5. Pouring Concrete	overexertion, consiste burns	ЗН		1L
6. Completion of Concrete Pour	trip on equipment, incomplete curing	2М		1L



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7. Breakdown and Cleaning	hazardous chemicals during cleaning, equipment snares	3Н		1L
8. Maintenance and Storage	mechanical failure, success exposu	ЗH		2М
9. Incident Reporting and Review	incomplete documentation, failure to learn from incidents	2M		1L



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10. Decommissioning	structural collapse, environmental hazards	4A		2M
11. Emergency Management	panic, inadequate respon	4A		1L
12. Training and Competency	skill gap, lack of compliance	ЗН		1L



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13. Communication and Coordination	miscommunication, conflicting instructions	2М		1L
14. Health Monitoring	undetected health issues, compounded injury risk	2М		1L
15. Review and Continuous Improvement	stagnation, outdated practices	2M		1L



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16. Water Control Management	flooding, contamination	ЗН		1L
17. Working at Height	fall from height, falling objects	4A		2М
18. Interaction with Public	public interference, unauthorised access	2M		1L



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19. Vehicle Movement	collision, unsecured load	ЗН		2M
20. Environmental Protection	pollution from waste, habitat disruption	4A		2M



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EMERGENCY RESPONSE – CALL 000 FOR EMERGENCIES

Ensure to have an Emergency Management Plan in place as well as adequate numbers of trained first aid staff with easy access to fully stocked first aid kits, rescue equipment, material safety data sheets, adequate access to emergency communication equipment and fire-fighting equipment suitable for all classes of fire and ignition sources.

LEGISLATIVE REFERENCES								
RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGISL	ATIVE REFERENCES ANY STATE AT ARE NOT APPLICABLE							
Queensland & Australian Capital Territory Work Health and Safety Act 2011 Work Health and Safety Regulations 2011 Legislation QLD: https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws Codes of Practice QLD: https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice Legislation ACT: https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice Codes of Practice ACT: https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice	Victoria On opational Health as Safety Act and Occupational Health and onfety or gulations 2017 Legis non VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and- rulat</u> of the solution of the state of the							
New South Wales Work Health and Safety Act 2011 Work Health and Safety Regulations 2017 Legislation NSW: https://www.safework.nsw.gov.au/legal-obligations/legislatic Codes of Practice NSW: https://www.safework.nsw.gov.au/legal-obligations/legislatic	Western Australia Work Health and Safety Act 2020 Work Health and Safety Regulations 2022 Legislation Western Australia: <u>https://www.commerce.wa.gov.au/worksafe/legislation</u> Codes of Practice WA: <u>https://www.commerce.wa.gov.au/worksafe/codes-practice</u>							
Northern Territory Work Health and Safety (National Uniform Legislation) Act 2011 Work Health and Safety (National Uniform Legislation) Regulation 2015 Legislation NT: https://worksafe.nt.gov.au/laws-and-compliance/wd_place-servelaws Codes of Practice NT: https://worksafe.nt.gov.au/formed_resourcestice_servelaws	Safe Work Australia Links Law and Regulation (All States): <u>https://www.safeworkaustralia.gov.au/law-and-regulation</u> Model Codes of Practice: <u>https://www.safeworkaustralia.gov.au/resources-publications/model- codes-of-practice</u>							
South Australia Work Health and Safety Act 2012 (SA) Work Health and Safety Regulations 2012 (SA) Legislation for SA: <u>https://www.safework.sa.gov.au/resources/legislation</u> Codes of Practice for SA: <u>https://www.safework.sa.gov.au/work_aces/codes-of-practice#COPs</u>	 Model Codes of Practice Managing noise and preventing hearing loss at work Confined spaces Labelling of workplace hazardous chemicals Managing risks of hazardous chemicals in the workplace Welding processes 							
Tasmania Work Health and Safety Act 2012 Work Health and Safety (Transitional and Consequential Provisions) Act 2012 Work Health and Safety Regulations 2012 Work Health and Safety (Transitional) Regulations 2012 Legislation for TAS: https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations Codes of Practice for TAS: https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations Codes of Practice for TAS: https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations	 First aid in the workplace Managing the risk of falls at workplaces Hazardous manual tasks Managing the risk of falls in housing construction Managing electrical risks in the workplace Demolition work Excavation work Work health and safety consultation, cooperation and coordination 							
Details of permits, licenses or access required by regulatory bodies (add or delete as required): - Permits from local council - Authorisation to commence work - Any required documents.	 Managing the work environment and facilities How to manage work health and safety risks Managing risks of plant in the workplace Construction work 							