

Drilling In	Concrete Or Metals Risk A	ssessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Emai	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PCI	BU ON PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a is prepared before the proposed work starts.	person conducting a busine or ur	ndertaking PCBU required to ensu	ire that a RISK ASSESSMENT
Full Name:			
Signature:		ritle:	Date:
CL	OR PRICE IN 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	
A Stop work. The risk is intolerable cominate the hazard predesign the activity before proceeding. A Safe Work Method Statement (SWMS) or hit er-level authorisatic is required. 3H Review and approve additional controls in prace and efficience with caution; monitor conditions. 1L Proceed, following standard operating procedures Monitor and keep records. Consequence Scale:							Notes on Hierarchy of Controls: Remember to apply controls in the preferred order shown by the coloured pyramid: 1. Eliminate 2. Substitute 3. Isolate 4. Engineering 5. Administrative 6. PPE	
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					



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	slips, trips and falls, inadequate lighting	ЗН	 Ensure work area is clean and dry before starting. Provide adequate lighting to illuminate the work area. Check that all personal protective equipment is available and in good condition. Conduct a toolbox talk to discuss potential heard? Isolate the work area to prepent unauthorised acress. Set up barriers and warning stars if necessary. Ensure that the scale excitable and free from obstructions. Verify all too can equipment are hearoper to rking condition. Provide training for the one use of driving equipment. Main hear computation among team members. 	2М
2. Selecting Tools	using improper equipment equipment failure	3	 Choose appendiate a bing equipment for the material. Choose appendiate a bing equipment for the material. Consected tools and accessories that are in good condition. Choose tools are suitable for the power supply. Verify the correct drill bits are used for the material type. Confirm all safety features are operational on equipment. Check the compatibility of tool components. Keep tools and accessories organised and free from damage. Ensure users have received appropriate tool training. Make sure all connections are secure and properly tight. 	2M
3. Marking the Work Area	incorrect measurements, marking errors	2M	 Use appropriate marking tools such as chalk or markers. Double-check all measurements before finalising. Ensure that all marking tools are precise and in good condition. Review plans and specifications thoroughly before marking. Clearly communicate the marking requirements to all involved. Keep the work area clear for accurate marking. Allow adequate time to complete markings without rushing. Ensure all markings are visible and understandable by all workers. 	1L



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			- Verify marked areas to avoid errors.	
			- Train workers on proper marking techniques.	
4. Drilling Setup	improper setup, insufficient securing	ЗН		2М
5. Drilling Execution	struck by debris, veration injuri	4A		ЗН
6. Interruptions and Emergencies	unexpected power failure, loss of drill control	ЗН		2М



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7. Post-Drilling Inspection	undetected damage, incomplete drilling	2M		1L
8. Equipment Cleanup and Maintenance	slippery surfaces, sharp edges of to	2М		1L
9. Safety Review and Reporting	incomplete reporting, lack of feedback	2М		1L

Version 2.5



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10. Storage of Materials and Tools	incorrect storage, fire hazards	ЗН		2M
	6			
11. Health Monitoring	noise-induced hearing loss, sincosis from dust	4A		ЗН
12. Contractor Management	inadequate contractor training, misalignment on safety procedures	ЗH		2M



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13. Environmental Considerations	noise pollution, contamination of groundwater	4A		ЗН
14. Communication and Coordination	miscommunication, delays due to lack of coordination	зн		2M
15. Waste Management	illegal dumping of waste, hazardous waste exposure	3Н		2M



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16. Review of Risk Assessment	outdated risk management protocols, non-compliance	ЗН		2М
17. Lockout and Tagout (LOTO)	accidental start-up of machines, uncontrolled energy release	4A		ЗН
18. Machine Guarding	exposure to moving parts, entanglement	3H		2M

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19. Personal Protective Equipment (PPE)	lack of suitable protection, PPE failure	4A		3Н



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.

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/acts-and-regulations Codes of Practice ACT: https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice	Victoria Orchipational Health an Safety Act and Occupational Health and infetion guilations 2017 Legis non VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and- rulations</u> or des one actice VIC <u>extps://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice</u>						
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: <u>https://worksafe.nt.gov.au/laws-and-compliance/workplace-servelaws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/formediatestations</u>	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_saces/codes-of-practice#COPs</u> Tasmania Work Health and Safety Act 2012 Work Health and Safety (Transitional and Consequential Provisions) Act 2012 Work Health and Safety Regulations 2012	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 - First aid in the workplace - Managing the risk of falls at workplaces - Hazardous manual tasks - Managing the risk of falls in housing construction						
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/codes-of-practice Details of permits, licenses or access required by regulatory bodies (add or delete as required):	 Managing electrical risks in the workplace Demolition work Excavation work Work health and safety consultation, cooperation and coordination Managing the work environment and facilities How to manage work health and safety risks 						
 Permits from local council Authorisation to commence work Any required documents. 	- Managing risks of plant in the workplace - Construction work						