

Rotary P	Percussion Drilling Risk As	sessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Emei	
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 un	ndertaking PCBU required to ensu	ire that a RISK ASSESSMENT
Full Name:			
Signature:		ntle:	Date:
CL			
UL CL	OR PRI CIF . CO. RACTORI	DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project N.			



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	
4A Stop work. The risk is intolerable, minate the hazar redesign the activity before proceeding. A Safe Work						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	lverse client comn	nent	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	Slippery surfaces, Equipment malfunction	ЗН	<ul> <li>Conduct site inspection and clear debris</li> <li>Ensure all personnel have appropriate PPE</li> <li>Review equipment manuals and guideline</li> <li>Conduct pre-start equipment checks</li> <li>Restrict access to working cleas through propertignage</li> <li>Provide proper induction and mining to workers</li> <li>Ensure availabilities must id equipment on-site</li> <li>Establish dominuncation mannels memory situations</li> <li>Recurry momon the musting surface multitions</li> <li>Calif, a mund texame equipment before use</li> </ul>	2M
2. Mobilisation of Equipment	Traffic management, Manuel handling injuries		<ul> <li>Implement traffic many ement plan</li> <li>Implement traffic many ement plan</li> <li>Implement traffic many ement plan</li> <li>Assign tunned personnel for equipment transport</li> <li>Implement elear access routes when moving equipment</li> <li>Conduct manual handling training for all workers</li> <li>Utilize spotters when transporting large equipment</li> <li>Use appropriate lifting techniques</li> <li>Coordinate with local authorities on traffic control if necessary</li> <li>Maintain communication devices for coordination</li> <li>Conduct pre-mobilisation safety briefing</li> </ul>	ЗН
3. Setting Up	Falling objects, Uneven terrain	ЗН	<ul> <li>Inspect terrain and mark uneven areas</li> <li>Use temporary fencing around setup area</li> <li>Secure all tools and equipment to prevent falling</li> <li>Set up equipment on level ground where possible</li> <li>Ensure all personnel use hard hats</li> <li>Conduct tool safety checks</li> <li>Clearly demarcate the working area</li> <li>Use scaffolding if working above ground level</li> </ul>	2M



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			- Establish exclusion zones during setup	
			- Regular review of setup against safety standards	
4. Drilling Operations	Noise exposure, Vibration	ЗН		2M
5. Monitoring Drilling Progress	Equipment failure wata misinterpretation	ЗН		2M
6. Core Retrieval	Sharp edges, Back strains	ЗН		2M

Version 2.5



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7. Completion	Slip and trip, Environmental contamination	зн		2М
8. Demobilisation	Crushing injuries, 1, 177 en uards	вн		2М
9. Transportation of Equipment	Load shifting, Accidents in transit	4A		ЗН

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10. Site Restoration	Erosion, Environmental degradation	ЗН		2М
11. Reporting	Data inaccuracies, Delayed submiss ins	ЗН		2M
12. Equipment Maintenance	Equipment wear and tear, Electrical hazards	3Н		2M

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13. Emergency Response	Lack of preparedness, Injury during evacuation	4A		ЗН
14. Worker Training	Skill deficits, Understanding safety protocols	ЗН		2M
15. Communication	Miscommunication, Delayed responses	ЗН		2М

Version 2.5

Review #



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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 F	REFERENCES
RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEG	GISLATIVE 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: <u>https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws</u> Codes of Practice QLD: <u>https://www.worksafe.gld.gov.au/laws-and-compliance/codes-of-practice</u> Legislation ACT: <u>https://www.worksafe.act.gov.au/laws-and-compliance/acts-and-regulations</u> Codes of Practice ACT: <u>https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice</u>	Victoria Octopational Health and Safety Action 04 Octopational Health and Safety Action 04 Octopational Health and Safety Supervised Safety Software Sof
New South Wales         Work Health and Safety Act 2011         Work Health and Safety Regulations 2017         Legislation NSW: <a href="https://www.safework.nsw.gov.au/legal-obligations/legislative">https://www.safework.nsw.gov.au/legal-obligations/legislative</a> Codes of Practice NSW: <a href="https://www.safework.nsw.gov.au/resource-library/lis">https://www.safework.nsw.gov.au/legal-obligations/legislative</a>	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, 2011 Legislation NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/worplace-serve-laws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/f</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/legulation</u> Codes of Practice for SA: <u>https://www.safework.sa.gov.au/work_saces/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: <a href="https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice">https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice</a> Codes of Practice for TAS:	<ul> <li>First aid in the workplace</li> <li>Managing the risk of falls at workplaces</li> <li>Hazardous manual tasks</li> <li>Managing the risk of falls in housing construction</li> <li>Managing electrical risks in the workplace</li> <li>Demolition work</li> <li>Excavation work</li> </ul>
Details of permits, licenses or access required by regulatory bodies (add or delete as required): - Permits from local council - Authorisation to commence work	<ul> <li>Work health and safety consultation, cooperation and coordination</li> <li>Managing the work environment and facilities</li> <li>How to manage work health and safety risks</li> <li>Managing risks of plant in the workplace</li> <li>Construction work</li> </ul>

- Any required documents.