

Waste F	Rock Management Risk Ass	sessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Emai	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PCI	BU ON W 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:		intle:	Date:
CLY		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
Mathematical and the mathematical and the additional control and the additional contrelineary additic addite additication additicationadditication addit							Remember to apply controls in the preferred order shown by the coloured pyramid: <ol> <li>Eliminate</li> <li>Substitute</li> <li>Isolate</li> <li>Engineering</li> </ol>
Consequence		injury/illness)	Project / Ass	Significant regula	pliance / Reputat		Always document why a lower-order control is accepted if
Catastrophic Major	Fatality or perma Serious injury/illr days)			wn prosecution	Significant regulator intervention; criminal prosecution mprovement notice; major media coverage		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 impact 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. Site Assessment	unstable terrain, hidden voids	ЗН	<ul> <li>Conduct geological surveys before starting work</li> <li>Deploy ground-penetrating radar to identify your</li> <li>Train workers on recognition of unstable totain</li> <li>Use drones for aerial site analysis</li> <li>Consult local geological exercises</li> <li>Erect signage to warn of unstable areas</li> <li>Perform regular to misportions</li> <li>Restrict actives to identified risk area</li> <li>Establish computication protocols followinergency situations</li> <li>Imply that PPE total remements for terrain instability</li> </ul>	2М
2. Excavation Planning	equipment failure, inadequate site planning	2	<ul> <li>Ensure all expoments maintained according to manufacturer's guidelines</li> <li>Ineate stailed accordance including risk assessments</li> <li>Trainel's protect on equipment use and safety protocols</li> <li>Issign trained personnel to carry out equipment checks</li> <li>Conduct pre-start equipment inspections</li> <li>Limit operation of equipment to authorised personnel</li> <li>Develop emergency response plans for equipment failure</li> <li>Utilise technology to aid in precise planning</li> <li>Conduct regular safety audits</li> <li>Establish a reporting system for equipment issues</li> </ul>	2М
3. Clearing Vegetation	injury from sharp tools, spread of pests	ЗН	<ul> <li>Use appropriate personal protective equipment (PPE)</li> <li>Train workers in the handling and usage of sharp tools</li> <li>Follow procedures for controlled vegetation removal</li> <li>Ensure tools are maintained and inspected regularly</li> <li>Implement pest management procedures</li> <li>Train workers to identify and report signs of pests</li> <li>Monitor environmental impact and adjust practices accordingly</li> <li>Limit pesticide use to approved methods</li> </ul>	2M



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			- Conduct regular tool safety workshops	
			- Consult with environmental experts on best practices	
4. Soil and Rock Sampling	chemical exposure, manual handling injuries	ЗН		2M
5. Drilling Operations	dust generation, ruse pollution	44		2M
6. Material Transportation	traffic accidents, load spills	ЗН		2M

Version 2.5



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7. Waste Rock Disposal	land contamination, erosion	ЗН		1L
8. Water Management	waterway pollution, concurrently	ЗН		2М
9. Monitoring and Maintenance	equipment failure, environmental changes	ЗН		2M

Version 2.5

Review #



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10. Site Rehabilitation	ecosystem disruption, soil instability	зн		2M
11. Emergency Response Planning	delayed response, uncontrolled haze us	ЗН		1L
12. Education and Training	knowledge gaps, complacency	2М		1L

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13. Community Engagement	public misinformation, community objection	ЗН		2М
14. Regulatory Compliance	non-compliance penaltic time!	ЗН		1L
15. Continuous Improvement	resistance to change, inefficiency	2M		1L



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16. Record Keeping	loss of data, inadequate documentation	2М		1L
17. Health and Wellbeing	work-related stress, fatigue	ЗН		2М
18. Waste Management	incorrect waste handling, pollution	ЗН		1L

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19. Security	unauthorised access, theft	зн		1L
20. Incident Investigation	incomplete investigations, recurrence of incidents	ЗН		1L



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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 LEGI	ISLATIVE 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: <a href="https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws">https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws</a> Codes of Practice QLD: <a href="https://www.worksafe.gld.gov.au/laws-and-compliance/codes-of-practice">https://www.worksafe.gld.gov.au/laws-and-compliance/codes-of-practice</a> Legislation ACT: <a href="https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice">https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice</a> Codes of Practice ACT: <a href="https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice">https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice</a>	Victoria Octopational Health and Safety Actioned Octopational Health and Safety Actioned Legistron VIC: https://www.encrksafe.vic.gov.au/occupational-health-and-safety-act-and- squares Safety Science VICe.https://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice						
New South Wales Work Health and Safety Act 2011 Work Health and Safety Regulations 2017 Legislation NSW: <u>https://www.safework.nsw.gov.au/legal-obligations/legislati</u> Codes of Practice NSW: <u>https://www.safework.nsw.gov.au/resource-library/lis</u> <u>todes-of</u> rach	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: https://worksafe.nt.gov.au/laws-and-compliance/workplace-statices Codes of Practice NT: https://worksafe.nt.gov.au/f	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 (Transitional) Regulations 2012         Work Health and Safety (Transitional) Regulations 2012         Legislation for TAS: <a href="https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations">https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations</a> Codes of Practice 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>	<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> <li>Work health and safety consultation, cooperation and coordination</li> </ul>						
<ul> <li>Details of permits, licenses or access required by regulatory bodies (add or delete as required):</li> <li>Permits from local council</li> <li>Authorisation to commence work</li> <li>Any required documents.</li> </ul>	<ul> <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>						