

Rock Removal From Site Risk Assessment

Business Name:	ABN:	
Business Address:		
Contact Person:	Phone:	Email:

THIS RISK ASSESSMENT IS APPROVED BY THE PCBU ON THIS PROJECT

Under the Work Health and Safety Regulation (WHS Regulation), a person conducting a business or undertaking (PCBU) is required to ensure that a RISK ASSESSMENT is prepared before the proposed work starts.

Full Name:		
Signature:	Title:	Date:

CLIENT OR PRINCIPAL CONTRACTOR DETAILS

Client:	SCOPE OF WORKS
Project Name:	
Project Address:	
Project Manager:	
Contact Phone:	
Date Risk Assessment supplied to Project Manager:	

RISK MATRIX									
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE	MAJOR	CATASTROPHIC	SCORE	ACTION	HIERARCHY OF CONTROLS	
ALMOST CERTAIN	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4 ACUTE			Elimination Remove the hazard.	
LIKELY	2 MODERATE	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4A ACUTE	DO NOT PROCEED	Substitution Replace the hazard.	
POSSIBLE	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	4 ACUTE	3H HIGH	Review before work starts.	Isolation Isolate People from the hazard	
UNLIKELY	1 LOW	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	2M MODERATE	Ensure control measures in place.	Engineering Isolate the hazard	
RARE	1 LOW	1 LOW	2 MODERATE	3 HIGH	3 HIGH	1L LOW	Monitor and keep records.	Administrative Change	
								PPE	
Risk Rating & Required Action:								Notes on Hierarchy of Controls:	
4A		Stop work. The risk is intolerable. Eliminate the hazard or redesign the activity before proceeding. A Safe Work Method Statement (SWMS) or higher-level authorisation is required.						Remember to apply controls in the preferred order shown by the coloured pyramid:	
3H		Review and approve additional controls before task starts. Senior supervisor sign-off needed.						1. Eliminate	
2M		Ensure all nominated controls are in place and effective. Proceed with caution; monitor conditions.						2. Substitute	
1L		Proceed, following standard operating procedures. Monitor and keep records.						3. Isolate	
								4. Engineering	
								5. Administrative	
								6. PPE	
Consequence Scale:								Always document why a lower-order control is accepted if elimination or substitution is not reasonably practicable.	
Consequence	People (injury/illness)		Project / Assets		Compliance / Reputation				
Catastrophic	Fatality or permanent total disability		project shutdown		Significant regulator intervention; criminal prosecution				
Major	Serious injury/illness (hospital > 5 days)		critical delay		Improvement notice; major media coverage				
Moderate	Medical-treatment injury; lost-time > 1 day		moderate delay		Minor breach; adverse client comment				
Minor	First-aid only, no lost time		negligible delay		Isolated non-conformance				
Insignificant	No injury		no schedule impact		Deviation caught and corrected on site				
								<i>aligned with Safe Work Australia's Managing the risk of fatigue at work (2023) and ISO 45001:2018 clauses 6–8.</i>	

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	inadequate planning, miscommunication	3H	<ul style="list-style-type: none"> - Conduct thorough site surveys - Develop a detailed project plan - Organise an initial team briefing - Ensure all team members have access to the project plan - Have contact details for all team members - Schedule regular communication check-ins - Use site maps for logistical planning - Include buffer time in scheduling - Confirm all necessary permits are in place - Prepare emergency contact lists 	2M
2. Site Induction	unfamiliarity with site, unawareness of emergency procedures	3H	<ul style="list-style-type: none"> - Conduct comprehensive site induction for all workers - Outline emergency procedures and exits - Review site-specific hazards - Provide maps and orientation tours - Record acknowledgment of induction completion - Ensure availability of site-specific WHS documentation - Assign site induction leaders - Use multimedia for effective induction - Maintain record of all inducted personnel - Include updates on any changes to the site 	1L
3. Equipment Inspection	faulty machinery, improper tool usage	4A	<ul style="list-style-type: none"> - Perform pre-use equipment inspection - Use checklists for thorough inspection - Employ certified inspectors - Maintain record of inspections performed - Remove faulty equipment from service - Ensure proper certification for all operators - Keep a log of equipment repairs - Provide training for proper tool use 	2M

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			<ul style="list-style-type: none"> - Verify certification of maintenance personnel - Schedule regular equipment servicing 	
4. Personal Protective Equipment (PPE) Use	lack of PPE, incorrect PPE usage	3H	<ul style="list-style-type: none"> - Provide training on correct PPE usage - Ensure PPE is available and in good condition - Enforce PPE usage at all times - Conduct regular PPE inspections - Replace worn or damaged PPE - Establish a PPE checklist - Assign a PPE officer - Conduct PPE demonstrations - Provide PPE for all workers - Establish a PPE storage area - Conduct PPE audits - Provide PPE for all workers - Establish a PPE storage area - Conduct PPE audits 	1L
5. Site Access Control	unauthorised entry, vehicular incidents	4A	<ul style="list-style-type: none"> - Establish a secure perimeter - Use barriers and signage - Assign a site access officer - Conduct regular site access checks - Establish a site access protocol - Assign a site access officer - Conduct regular site access checks - Establish a site access protocol - Assign a site access officer - Conduct regular site access checks - Establish a site access protocol - Assign a site access officer - Conduct regular site access checks - Establish a site access protocol 	2M
6. Excavation	structural instability, underground services damage	4A	<ul style="list-style-type: none"> - Conduct a pre-excavation survey - Obtain necessary permits - Assign a competent person - Establish a safe working area - Use shoring and trench shields - Conduct regular inspections - Establish a communication system - Assign a competent person - Establish a safe working area - Use shoring and trench shields - Conduct regular inspections - Establish a communication system - Assign a competent person - Establish a safe working area - Use shoring and trench shields - Conduct regular inspections - Establish a communication system 	2M

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7. Rock Drilling	dust inhalation, noise exposure	4A		2M
8. Rock Blasting	projectile risks, vibration, noise	4A		2M
9. Rock Loading	crushing incidents, back injuries	3H		2M

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10. Rock Transport	vehicular accidents, spillage	4A		2M
11. Traffic Management	traffic congestion, collision risks	3H		2M
12. Debris Removal	sharp object injury, contamination	3H		2M

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13. Water Management	erosion risks, water contamination	3H		1L
14. Site Demobilisation	cleanup oversight, equipment left	2M		1L
15. Post-Work Review	oversights in processes, missed compliance	2M		1L

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SAMPLE

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 LEGISLATIVE REFERENCES IF ANY STATE THAT 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

Occupational Health and Safety Act 2004

Occupational Health and Safety Regulations 2017

Legislation VIC: <https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and-regulations>

Codes of Practice VIC: <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: <https://www.safework.nsw.gov.au/legal-obligations/legislation>

Codes of Practice NSW: <https://www.safework.nsw.gov.au/resource-library/list-codes-of-practice>

Western Australia

Work Health and Safety Act 2020

Work Health and Safety Regulations 2022

Legislation Western Australia: <https://www.commerce.wa.gov.au/worksafe/legislation>

Codes of Practice WA: <https://www.commerce.wa.gov.au/worksafe/codes-practice>

Northern Territory

Work Health and Safety (National Uniform Legislation) Act 2011

Work Health and Safety (National Uniform Legislation) Regulations 2011

Legislation NT: <https://worksafe.nt.gov.au/laws-and-compliance/workplace-safety-laws>

Codes of Practice NT: <https://worksafe.nt.gov.au/laws-and-compliance/codes-of-practice>

Safe Work Australia Links

Law and Regulation (All States): <https://www.safeworkaustralia.gov.au/law-and-regulation>

Model Codes of Practice: <https://www.safeworkaustralia.gov.au/resources-publications/model-codes-of-practice>

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
- 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
- Managing risks of plant in the workplace
- Construction work

South Australia

Work Health and Safety Act 2012 (SA)

Work Health and Safety Regulations 2012 (SA)

Legislation for SA: <https://www.safework.sa.gov.au/resources/legislation>

Codes of Practice for SA: <https://www.safework.sa.gov.au/workplaces/codes-of-practice#COPs>

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/codes-of-practice>

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.