

Demolition Hammer 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:

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.
3H	Review and approve additional controls before task starts. Senior supervisor sign-off needed.
2M	Ensure all nominated controls are in place and effective. Proceed with caution; monitor conditions.
1L	Proceed, following standard operating procedures. Monitor and keep records.

Consequence Scale:

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

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**

Always document **why** a lower-order control is accepted if elimination or substitution is not reasonably practicable.

aligned with Safe Work Australia's Managing the risk of fatigue at work (2023) and ISO 45001:2018 clauses 6–8.

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	noise exposure, musculoskeletal injury	3H	<ul style="list-style-type: none"> - Conduct pre-start meeting to discuss work plan. - Use appropriate PPE including hearing protection. - Ensure all workers are trained in safe lifting techniques. - Inspect area for safe access and egress. - Use appropriate manual handling aids where necessary. - Implement a job rotation schedule to reduce exposure duration. - Check all tools for functioning before use. - Ensure clear communication among workers. - Make sure aisles are clear of unnecessary personnel. - Designate a team member for spotting and communication. 	2M
2. Equipment Inspection	equipment malfunction, electric shock	3H	<ul style="list-style-type: none"> - Inspect all electrical tools for damage. - Tag and remove faulty equipment from service immediately. - Use only equipment that has been tested and tagged. - Replace all protective tools such as guardings. - Ensure correct voltage and power sources are used. - Wear rubber gloves and insulated boots when inspecting. - Verify all circuits are de-energised before inspection. - Keep water away from the electrical equipment. - Train workers in emergency procedures for electric shock. - Maintain clear records of inspection procedures. 	1L
3. Area Securing	unauthorised access, falling debris	4A	<ul style="list-style-type: none"> - Install barriers and safety signage around the area. - Use flagging tape to mark off the designated work area. - Ensure all personnel are informed of exclusion zones. - Post a lookout to control access and alert others. - Conduct regular checks of barriers and signs. - Lock gates and doors to prevent unauthorised entry. - Inspect the area for stability and loose materials. - Use netting or sheeting to contain debris. 	2M

Incident		Frequency	Severity	Control Measures
Operator error	3H	3H	3H	3H
	3H	3H	3H	3H
Equipment failure	3H	3H	3H	3H
	3H	3H	3H	3H
Weather conditions	3H	3H	3H	3H
	3H	3H	3H	3H
Human factors	3H	3H	3H	3H
	3H	3H	3H	3H
Communication breakdown	3H	3H	3H	3H
	3H	3H	3H	3H
Procedural errors	3H	3H	3H	3H
	3H	3H	3H	3H
Safety culture	3H	3H	3H	3H
	3H	3H	3H	3H
Training deficiencies	3H	3H	3H	3H
	3H	3H	3H	3H
Resource constraints	3H	3H	3H	3H
	3H	3H	3H	3H
Fatigue	3H	3H	3H	3H
	3H	3H	3H	3H
Stress	3H	3H	3H	3H
	3H	3H	3H	3H
Time pressure	3H	3H	3H	3H
	3H	3H	3H	3H
Communication	3H	3H	3H	3H
	3H	3H	3H	3H
Teamwork	3H	3H	3H	3H
	3H	3H	3H	3H
Supervision	3H	3H	3H	3H
	3H	3H	3H	3H
Management	3H	3H	3H	3H
	3H	3H	3H	3H
Safety	3H	3H	3H	3H
	3H	3H	3H	3H
Incident	3H	3H	3H	3H
	3H	3H	3H	3H
Frequency	3H	3H	3H	3H
	3H	3H	3H	3H
Severity	3H	3H	3H	3H
	3H	3H	3H	3H
Control Measures	3H	3H	3H	3H
	3H	3H	3H	3H

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7. Debris Management	slip and trip, dust inhalation	3H		2M
8. Shutdown	electrical hazards, machine shutdown	3H		1L
9. Tool Transport	manual handling injury, falling tools	3H		2M

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10. Clean-up	exposure to hazardous materials, injuries from remaining debris	3H		1L
11. Documentation	incomplete records, incorrect information	2M		1L
12. Site Inspection	overlooked hazards, non-compliance	3H		2M

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13. Feedback	communication breakdown, unnoticed issues	2M		1L
14. Training	inadequate skills, misunderstanding procedures	3H		2M
15. Review and Improvement	unidentified risks, process inefficiencies	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.