

## Operate Demolition Saw Or Grinder 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			<b>Elimination</b> Remove the hazard.	
LIKELY	2 MODERATE	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4A ACUTE	DO NOT PROCEED	<b>Substitution</b> 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.	<b>Engineering</b> Isolate the hazard	
RARE	1 LOW	1 LOW	2 MODERATE	3 HIGH	3 HIGH	1L LOW	Monitor and keep records.	<b>Administrative</b> Change	
								<b>PPE</b>	
<b>Risk Rating &amp; Required Action:</b>								<b>Notes on Hierarchy of Controls:</b>	
<b>4A</b>		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:	
<b>3H</b>		Review and approve additional controls before task starts. Senior supervisor sign-off needed.						1. <b>Eliminate</b>	
<b>2M</b>		Ensure all nominated controls are in place and effective. Proceed with caution; monitor conditions.						2. Substitute	
<b>1L</b>		Proceed, following standard operating procedures. Monitor and keep records.						3. Isolate	
<b>Consequence Scale:</b>								4. Engineering	
<b>Consequence</b>	<b>People (injury/illness)</b>		<b>Project / Assets</b>		<b>Compliance / Reputation</b>			5. Administrative	
<b>Catastrophic</b>	Fatality or permanent total disability		project shutdown		Significant regulator intervention; criminal prosecution			6. PPE	
<b>Major</b>	Serious injury/illness (hospital > 5 days)		critical delay		Improvement notice; major media coverage			Always document <b>why</b> a lower-order control is accepted if elimination or substitution is not reasonably practicable.	
<b>Moderate</b>	Medical-treatment injury; lost-time > 1 day		moderate delay		Minor breach; adverse client comment			<i>aligned with Safe Work Australia's Managing the risk of fatigue at work (2023) and ISO 45001:2018 clauses 6–8.</i>	
<b>Minor</b>	First-aid only, no lost time		negligible delay		Isolated non-conformance				
<b>Insignificant</b>	No injury		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. Preparation	Slips, trips and falls, Manual handling injuries	3H	<ul style="list-style-type: none"> <li>Inspect the work area for hazards and clear obstructions</li> <li>Use wheeled trolleys to transport heavy tools</li> <li>Wear anti-slip footwear</li> <li>Ensure adequate lighting in the work area</li> <li>Provide training on manual handling techniques</li> <li>Use barriers and signs to mark off wet areas or obstacles</li> <li>Ensure all workers are aware of emergency exits</li> <li>Keep the work area organised and free from clutter</li> <li>Have first-aid kit readily available</li> <li>Hose off any drips or areas beforehand</li> </ul>	2M
2. Check Equipment	Faulty equipment, Electrical shock	3H	<ul style="list-style-type: none"> <li>Conduct regular maintenance and inspections of the saw or grinder</li> <li>Check electrical cables and connections for damage before use</li> <li>Ensure guards and safety features are operational</li> <li>Use equipment in accordance with manufacturer's instructions</li> <li>Tag out faulty equipment immediately and remove from service</li> <li>Test power connections before starting work</li> <li>Engage qualified electricians for electrical repairs</li> <li>Require electrician to certify equipment safety compliance</li> <li>Apply lockout/tagout procedures where necessary</li> <li>Check for frayed cords or exposed wires daily</li> </ul>	2M
3. Personal Protective Equipment	Flying debris, Noise-induced hearing loss	3H	<ul style="list-style-type: none"> <li>Wear safety goggles to protect eyes from debris</li> <li>Use face shields in addition to goggles if necessary</li> <li>Provide hearing protection such as earplugs or earmuffs</li> <li>Ensure PPE fits correctly and is comfortable</li> <li>Train workers on the correct use of PPE</li> <li>Inspect PPE before each use for signs of damage</li> <li>Rotate tasks to limit noise exposure for extended periods</li> <li>Provide PPE storage facilities to prevent contamination</li> </ul>	1L

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			Replace damaged or lost PPE immediately Implement double-check procedures for PPE compliance	
4. Secure Work Area	Unauthorised access, Falling materials	3H	[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]	2M
5. Start-Up Procedure	Mechanical failure, Kickback	3H	[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]	2M
6. Cutting and Grinding Operations	Sparks or fire, Inhaling dust	4A	[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]	2M

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7. Equipment Shutdown	Residual motion hazard, Unexpected restart	3H		1L
8. Maintenance	Contact with hazardous materials due to lubricants	3H		2M
9. Waste Disposal	Contamination, Injury from sharp objects	3H		1L

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10. Emergency Response	Injury, Inadequate response measures	4A		2M
11. Review and Monitor	Unidentified risks, Compliance lapse	3H		1L
12. Transportation of Equipment	Vehicle accidents, Unsecured loads	3H		2M

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13. Storage of Equipment	Theft or vandalism, Environmental damage	3H		1L
14. Decommissioning of Equipment	Improper disposal, Residual electrical hazards	3H		1L
15. Record Keeping	Data loss, Non-compliance	2M		1L

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16. Post-Operation Area Restoration	Environmental impact, Incomplete site restoration	3H	<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>	1L



## 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.