

## Hydraulic Jackhammer Risk Assessment

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

### THIS RISK ASSESSMENT IS APPROVED BY THE PCBU ON THE 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>			
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. <b>Eliminate</b>
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
<b>Consequence Scale:</b>									Always document <b>why</b> 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	Incorrect PPE use, Tool not inspected	3H	<p>Conduct a pre-operation checklist</p> <p>Ensure correct personal protective equipment (PPE) is worn, including gloves, steel-capped boots, ear protection, and eye protection</p> <p>Inspect the jackhammer for any visible damage or defects before use</p> <p>Verify that all safety guards are in place and secure</p> <p>Ensure that the worksite is free from unnecessary personnel</p> <p>Provide safety briefing for workers involved in the operation</p> <p>Check that all workers are aware of emergency procedures</p> <p>Ensure first aid kit is available and personnel know its location</p> <p>Designate a safety zone around the work area</p> <p>Verify that the jackhammer is suitable for the task</p>	2M
2. Equipment Setup	Improper connection to power supply	3H	<p>Ensure the jackhammer is connected securely to an appropriate power source</p> <p>Use only approved extension cords or adapters</p> <p>Verify that the power supply is appropriately rated for the jackhammer</p> <p>Check for any signs of wear or damage on cables and plugs</p> <p>Ensure all connections are tight and secure to prevent detachment</p> <p>Conduct a test run without load to ensure functionality</p> <p>Lock off power sources when setting up equipment</p> <p>Confirm emergency stop functions are operational</p> <p>Train personnel on correct setup procedures</p> <p>Implement a tagging system for equipment inspections</p>	2M
3. Operator Positioning	Ergonomic strain, Unstable footing	3H	<p>Ensure operators use ergonomic techniques when handling equipment</p> <p>Provide training on correct posture and positioning</p> <p>Check work surfaces for stability and address any unevenness</p> <p>Stabilise the ground surface if necessary</p> <p>Ensure operators use firm and balanced standing positions</p> <p>Rotate tasks among workers to minimise repetitive strain</p> <p>Use anti-vibration gloves to reduce hand-arm vibration syndrome</p> <p>Ensure adequate foothold exists before operation</p>	2M

<p>High noise levels</p>	<p>4A</p>	<p>Provide rest breaks to reduce fatigue</p>
<p>Flying debris</p>	<p>4A</p>	

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7. Refuelling	Spillage, Fire hazard	3H		2M
8. Operation Monitoring	Operator fatigue, Environmental hazards	3H		2M
9. Mid-Operation Adjustments	Unexpected equipment behaviour, Loss of control	3H		2M

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10. Completion	Operator fatigue, Residual hazards	2M		1L
11. Dismantling	Equipment damage, Injury from improper technique	3H		2M
12. Transportation	Equipment falling, Traffic hazards	3H		2M

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13. Storage	Improper stacking, Damage from weather	2M		1L
14. Reporting	Inaccurate reporting, Delayed response	2M		1L
15. Post-Operation Review	Complacency, Missed follow-up actions	3H		2M

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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.