

Adjusting Pipe Cutter Risk Assessment

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

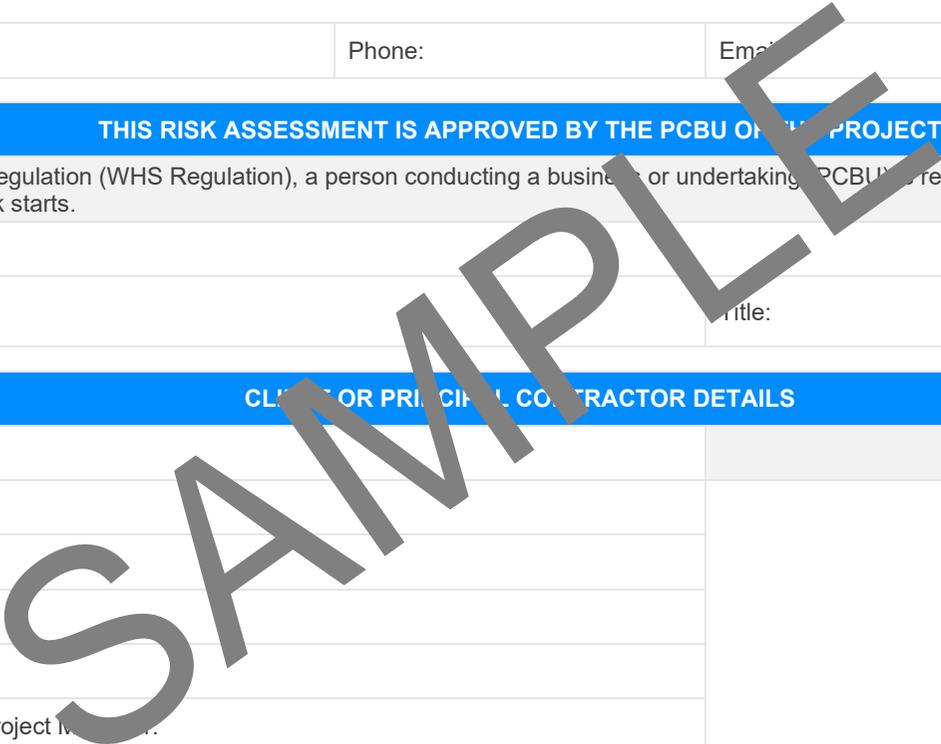
THIS RISK ASSESSMENT IS APPROVED BY THE PCBU ON THIS PROJECT

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
ALMOST CERTAIN	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4 ACUTE		
LIKELY	2 MODERATE	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4A ACUTE	DO NOT PROCEED
POSSIBLE	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	4 ACUTE	3H HIGH	Review before work starts.
UNLIKELY	1 LOW	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	2M MODERATE	Ensure control measures in place.
RARE	1 LOW	1 LOW	2 MODERATE	3 HIGH	3 HIGH	1L LOW	Monitor and keep records.

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

Consequence Scale:			
Consequence	People (injury/illness)	Project / Assets	Compliance / Reputation
<b>Catastrophic</b>	Fatality or permanent total disability	project shutdown	Significant regulator intervention; criminal prosecution
<b>Major</b>	Serious injury/illness (hospital > 5 days)	critical delay	Improvement notice; major media coverage
<b>Moderate</b>	Medical-treatment injury; lost-time > 1 day	moderate delay	Minor breach; adverse client comment
<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

Hierarchy of Controls	
<b>Elimination</b>	Remove the hazard.
<b>Substitution</b>	Replace the hazard.
<b>Isolation</b>	Isolate People from the hazard
<b>Engineering</b>	Isolate the hazard
<b>Administrative</b>	Change
<b>PPE</b>	PPE

**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	slips, trips	3H	<ul style="list-style-type: none"> <li>- Ensure floor surfaces are clean and dry</li> <li>- Use anti-slip mats in work area</li> <li>- Organize work area to eliminate tripping hazards</li> <li>- Wear non-slip safety boots</li> <li>- Inspect tools and equipment for damage</li> <li>- Ensure adequate lighting in work area</li> <li>- Conduct a visual hazard assessment</li> <li>- Provide training on hazard awareness</li> <li>- Implement housekeeping practices</li> <li>- Use signage to indicate wet floors if applicable</li> </ul>	2M
2. Select Appropriate Pipe Cutter	incorrect tool selection, use of defective tool	3L	<ul style="list-style-type: none"> <li>- Verify tool suitability for pipe material and size</li> <li>- Inspect tool for defects or damages before use</li> <li>- Refer to manufacturer's guidelines for tool selection</li> <li>- Remove defective tools from service</li> <li>- Train workers on appropriate tool selection</li> <li>- Use colour-coded tools for different materials</li> <li>- Ensure compatibility of tool with pipe</li> <li>- Store tools in designated places</li> <li>- Ensure tools are maintained regularly</li> <li>- Conduct tool safety checks before use</li> </ul>	1L
3. Inspect Pipe	sharp edges, pipe instability	3H	<ul style="list-style-type: none"> <li>- Wear cut-resistant gloves</li> <li>- Use proper stabilization techniques for pipes</li> <li>- Inspect pipe for sharp edges or burrs</li> <li>- Use pipe clamps to secure pipes</li> <li>- Ensure inspection is conducted on stable, flat surfaces</li> <li>- Use appropriate PPE like goggles</li> <li>- Avoid handling pipes haphazardly</li> <li>- Educate workers on handling sharp-edged materials</li> </ul>	2M

SAMPLE

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
			<ul style="list-style-type: none"> <li>- Remove hazards from inspection area</li> <li>- Conduct task-specific hazard assessments</li> </ul>	
4. Mark Cutting Line	eye strain, inaccurate marking	2M	[REDACTED]	1L
5. Secure Pipe in Vice	pinch points, pipe movement	3H	[REDACTED]	2M
6. Align Pipe Cutter	misalignment, unintentional cuts	3H	[REDACTED]	2M

SAMPLE

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			[REDACTED]	
7. Adjust Cutter to Pipe Diameter	strain injury, incorrect adjustment	3H	[REDACTED]	2M
8. Begin Cutting Pipe	vibration, loss of control	4A	[REDACTED]	2M
9. Monitor Cutting Process	overheating tools, excessive debris	3H	[REDACTED]	1L

SAMPLE

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SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
			[REDACTED]	
10. Finalise Cut	sharp edges, tool recoil	3H	[REDACTED]	2M
11. Release Pipe from Vice	sudden release, pinch points	3H	[REDACTED]	2M
12. Inspect Pipe for Defects	missed imperfections, cuts and abrasions	3H	[REDACTED]	1L

SAMPLE

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SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
			[REDACTED]	
13. Clean Work Area	trip hazards, equipment damage	3H	[REDACTED]	1L
14. Conduct Post-task Review	overlooked hazards, inaccurate feedback	2M	[REDACTED]	1L
15. Report Hazards Identified	lack of reporting, delayed communication	3H	[REDACTED]	1L

SAMPLE

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SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
			<div style="background-color: black; height: 15px; width: 100%;"></div> <div style="background-color: black; height: 15px; width: 80%;"></div> <div style="background-color: black; height: 15px; width: 70%;"></div> <div style="background-color: black; height: 15px; width: 60%;"></div> <div style="background-color: black; height: 15px; width: 85%;"></div>	

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 FOR 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-of-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/workplaces-and-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>

**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>

**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

**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.

