

Steel Co	utting Operations Risk Ass	essment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Ema*	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PC	BU OF V PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a pis prepared before the proposed work starts.	person conducting a busine or un	dertaking PCBU required to ensu	re that a RISK ASSESSMENT
Full Name:			
Signature:		ııtle:	Date:
CL	OR PRICEIN LCO. TRACTOR I	DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project Iv			

Version 2.5 Authorised by Review # Review Date:



#### **RISK MATRIX LIKELIHOOD** INSIGNIFICANT MINOR MODERATE MAJOR CATASTROPHIC HIERARCHY OF CONTROLS SCORE ACTION Elimination ALMOST 3 HIGH 3 HIGH 4 4 ACUTE ACUTE ACUTE **CERTAIN** Remove the hazard. Substitution 4 DO NOT Replace the hazard. LIKELY **MODERATE** HIGH HIGH ACUTE ACUTE ACUTE ROCEED Isolation Isolate People from the hazard 2 3 4 3H Rev before POSSIBLE MODERATE ACUTE ACUTE LOW HIGH HIGH. work Engineering Isolate the l/Acchanich. Ensure control 2 3 2M istrativ UNLIKELY measures in LOW LOW MODERATE HIGH ACU RATE е place. Chang 2 MODERATE 3 HIGH 1L Monitor and RARE LOW LOW LOW keep records.

### Risk Rating & Required Action:

4A	Stop work. The risk is intolerable, minate the hazard predesign the activity before proceeding. A Safe Work
	Method Statement (SWMS) or hit er-level authorisation is required.
3H	Review and approve additional controls to the last arts. Senior supervisor sign-off needed.
2M	Ensure all nominated controls are in prace and efficiency roceed 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
ivioderate	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
- Substitute
- 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 and trips, Equipment misplacement	2M	- Conduct a site walk-through to identify potential slip pazards.  - Ensure all tools and equipment are stored processy before starting.  - Use warning signage to highlight wet or use on surfaces.  - Conduct staff briefings on hazard awareness.  - Wear appropriate non-slip footwear.  - Ensure adequate lighting is an elable throughout the warearea.  - Place safety material rings is known if applicable.  - Clean any cost immediate and apply signate if necessary.  - Conduct a too aspection to ensure placer function before use.  - Avoid to dering processy with equipment or cables.	1L
2. Material Handling	Manual handling injuric states and objects	31	<ul> <li>Use my channal aids as hoists for lifting heavy materials.</li> <li>Lain wy kers concoper manual handling techniques.</li> <li>Enforce paring of protective gloves and steel-capped boots.</li> <li>Implement a system for properly storing materials to prevent falls.</li> <li>Limit height of material stacking to avoid toppling.</li> <li>Assign trained personnel for handling specific materials.</li> <li>Conduct regular reviews of handling procedures to integrate improvements.</li> <li>Use signage to indicate proper storage areas.</li> <li>Limit access to areas where heavy materials are being stored or moved.</li> <li>Ensure PPE is worn at all times during material handling.</li> </ul>	2M
3. Cutting Setup	Equipment malfunction, Electrical hazards	ЗН	<ul> <li>Inspect cutting equipment for defects before use.</li> <li>Ensure regular maintenance schedule for all electrical equipment.</li> <li>Use only trained personnel to set up cutting equipment.</li> <li>Implement lockout/tagout procedures during equipment setup.</li> <li>Monitor equipment for signs of electrical wear or damage.</li> <li>Ensure all connections and cables are insulated and intact.</li> <li>Use RCD (Residual Current Device) sockets or portable RCDs where possible.</li> <li>Post signage warning of electrical hazards in the vicinity.</li> </ul>	1L



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			- Conduct an induction on control panel operations before use.	
			- Keep non-essential personnel clear of setup area.	
Equipment Calibration	Inaccurate calibrations, Unhandled equipment	3Н		1L
5. Steel Cutting	Blade failure, Spans and debris	4A		2M
6. Handling Cut Material	Cuts from sharp edges, Dropping material	ЗН		1L



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7. Clean-up	Leftover debris, Waste disposal hazards	ЗН		1L
8. Maintenance	Unexpected equipment startup, Por maintained tools	ЗН		1L
9. Inspection and Monitoring	Missed defects, Incorrect assessments	3H		1L



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10. Emergency Preparedness	Fire outbreak, Inadequate response	4A		2M
11. Incident Reporting	Underreporting incidents, Delayed response	ЗН		1L
12. Training and Competency	Untrained personnel, Outdated skills	3H		1L



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13. PPE Management	Incorrect PPE use, PPE failure			1L
14. Communication Protocols	Misinformation, Inadequate updates	3H		1L



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15. Environmental Control	Pollution, Excessive noise levels	3H		1L
	5			



#### **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. ANY STATE OF AT ARE NOT APPLICABLE.

#### **Queensland & Australian Capital Territory**

Work Health and Safety Act 2011

Work Health and Safety Regulations 2011

 $\textbf{Legislation QLD:} \ \underline{\textbf{https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws}$ 

Codes of Practice QLD: <a href="https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice">https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice</a> Legislation ACT: <a href="https://www.worksafe.act.gov.au/laws-and-compliance/acts-and-regulations">https://www.worksafe.act.gov.au/laws-and-compliance/acts-and-regulations</a>

Codes of Practice ACT: https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-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/legislati

Codes of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis codes-of ractions of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis codes-of-ractions-of-racti

#### **Northern Territory**

Work Health and Safety (National Uniform Legislation) Act 2011

Work Health and Safety (National Uniform Legislation) Regulation 201

Legislation NT: https://worksafe.nt.gov.au/laws-and-compliance/wo\_place-

Codes of Practice NT: https://worksafe.nt.gov.au/f

#### 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/le\_lation

Codes of Practice for SA: https://www.safework.sa.gov.au/work\_aces/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.

#### Victoria

Occupational Health at Safety Act 34

Occupational Health and affety gulations 2017

Legis on VIC: https://www.wsafe.vic.gov.au/occupational-health-and-safety-act-and-

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les on actice VI atps://www.worksafe.vic.gov.au/compliance-codes-and-codes-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

#### 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