

Tilti	ng Arbor saw Risk Assessi	ment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Ema.	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PC	BU ON W PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a is prepared before the proposed work starts.	person conducting a busine or un	ndertaking PCBU required to ensu	re that a RISK ASSESSMENT
Full Name:			
Signature:		ritle:	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 In			



#### **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 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	redesign the activity before proceeding. A Safe Work
	Method Statement (SWMS) or hime	er-level authorisation	is required.
3H	Review and approve additional c	role 'ask	arts. Senior supervisor sign-off needed.
2M	Ensure all nominated controls are in-	prace and effective	Proceed with caution; monitor conditions.
1L	Proceed, following standard operating	ig procedure //oni	itor 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
- 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	Improper setup, Inadequate tools	ЗН	<ul> <li>Conduct a pre-use inspection of the saw table and to de for any damage.</li> <li>Ensure all guards are intact and functioning a pactly.</li> <li>Make sure all necessary tools for adjustric its are available.</li> <li>Confirm electrical outlets and connections all personal suitable for use.</li> <li>Ensure adequate lighting and ventilation in the lock area.</li> <li>Housekeeping measures to keep the area free from the wards.</li> <li>Verify all personal nave appropriate personal protective equipment (PPE).</li> <li>Keep many surer's many laccess alle for perence.</li> <li>Verify the error ency solo functionality.</li> <li>Con laccollook eting to discuss the day's operations.</li> </ul>	2M
2. Blade Installation	Blade injuries, Improperating		<ul> <li>Discorrect power being blade installation.</li> <li>be the nanufacturer-recommended blade type and size.</li> <li>Ensurate de is free of damage, rust or deformities.</li> <li>Year cut-resistant gloves during handling and installation.</li> <li>Verify the blade is installed with teeth in the correct direction.</li> <li>Use appropriate tools to tighten the arbor nut securely.</li> <li>Conduct a spin test to confirm secure mounting.</li> <li>Inspect and confirm the spindle and arbor are free from defects.</li> <li>Avoid over-tightening the blade nut to prevent damage.</li> <li>Ensure the insertion shaft is clean and free from debris.</li> </ul>	3Н
3. Adjusting Blade Height and Angle	Inaccurate settings, Pinched fingers	ЗН	<ul> <li>Adjust blade height while the saw is disconnected from power.</li> <li>Use proper gloves to protect against sharp edges during adjustments.</li> <li>Follow manufacturer guidelines for blade height relative to workpiece.</li> <li>Ensure all clamps and locks are secure before operation.</li> <li>Double-check settings using a protractor or digital angle gauge.</li> <li>Check and clear any debris around adjustment levers and wheels.</li> <li>Make blade adjustments in incremental steps.</li> <li>Confirm machine is level before making final adjustments.</li> </ul>	2M



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			- Train operators on correct adjustment procedures according to manual.	
			- Conduct initial test cut on scrap material to verify setup accuracy.	
4. Securing Material	Material kickback, Slipping workpieces	4A		2M
5. Cutting Operation	Exposure to movirish the secrits ejection	JA		3H
6. Post Operation	Unsecured equipment, Residual tension	ЗН		2M



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7. Maintenance	Blade mishandling, Chemical exposure	ЗН		1L
8. Training	Lack of competency, Miscommunication	ЗН		2M



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9. Emergency Procedures	Incomplete response, Panic during incidents	4A		ЗН
10. Inspection	Overlooked defects, Enviromental degradation	ЗН		1L
11. Personnel Health Monitoring	Hearing loss, Respiratory issues	3H		2M



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12. Noise Control	Hearing damage, Latractic	4A		3H
13. Environmental Considerations	Airborne dust, Waste disposal	3Н		2M



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14. Equipment Upgradation	Outdated technology, Inefficient performance	ЗН		<b>2</b> M
15. Shutdown Procedure	Residual energy, Improper shutdown	ЗН		1L
16. Ergonomic Practices	Musculoskeletal disorders, Fatigue	3H		2M



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17. Fire Preparedness	Electrical fire, Flammable materials	4A		3H
18. Documentation	Inaccurate records, Non-compliance	ЗН		1L



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### **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

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

### **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/legislations/

Codes of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis > odes-oi racti

### **Northern Territory**

Work Health and Safety (National Uniform Legislation) Act 2011

Work Health and Safety (National Uniform Legislation) Regulation 201

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: <a href="https://www.safework.sa.gov.au/wor">https://www.safework.sa.gov.au/wor</a> 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 Infety gulations 2017

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

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des on actice VI autros://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: <a href="https://www.commerce.wa.gov.au/worksafe/legislation">https://www.commerce.wa.gov.au/worksafe/legislation</a> Codes of Practice WA: <a href="https://www.commerce.wa.gov.au/worksafe/codes-practice">https://www.commerce.wa.gov.au/worksafe/codes-practice</a>

### 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