

Mechanical Ass	sembly And Disassembly R	Risk Assessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Ema	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PC	BU O) ' AROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a is prepared before the proposed work starts.	person conducting a busine or ur	ndertaking PCBU required to ensu	re that a RISK ASSESSMENT
Full Name:			
Signature:		ıtle:	Date:
CLI	OR PRICE L. CO. TRACTOR	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 redesign 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	non-communicated instructions, inappropriate tools	3H	 Conduct a pre-task briefing to ensure all workers up erstand the task requirements and safety procedures Ensure the use of appropriate personal projective equipment (PPE) such as gloves and safety glasses Verify tools are suitable for the task prior to immersionent Ensure work area is clear of unnecessary materias and debriss Conduct a risk assessment to be ensure safety projectols accupidated to include task-specific hazards Check that all team of theirs have the necessary sharevels to perform tasks safely without supervision Establish class communities on changels among team members before starting Use the right stringe to suicate hazar found safety zones Enforce check out system for tool usage Make un all mace sery is in good working condition and regularly maintained 	2M
2. Toolbox Talk	miscommunications compute understanding of rous	of i	Schedus regular 'toolbox talks' to discuss potential hazards and safety tips - Use visual aids to enhance understanding of safety protocols Encourage open dialogue and questions to ensure full comprehension of risks - Reperiod of attendance and discussed points for reference - Assign a person responsible for ensuring the checklist is complete and accurate - Encourage use of simple language to ensure universal understanding - Prepare communication aids for workers with language barriers - Regularly update the contents of toolbox talks to reflect new insights and information - Ensure that new employees receive tailored toolbox talks relevant to their duties - Follow up on past toolbox talks to verify understanding	1L
3. Equipment Inspection	faulty machinery, undetected defects	4A	 Establish a routine inspection schedule for all equipment and tools Implement a tagging system to identify the inspection status of each equipment item Ensure that qualified personnel perform inspections Replace or repair faulty machinery promptly to minimise downtime Conduct visual inspections prior to the start of each work shift Keep detailed records of inspections, including findings and actions taken Use checklists to ensure a comprehensive examination of each machine Train workers on recognizing early signs of machinery defects 	2M



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			- Remove and quarantine defective equipment until repaired or replaced	
			- Use technology tools like sensors and IoT for real-time monitoring of equipment health	
4. Lifting Operations	overloading, incorrect lifting techniques	4A		ЗН
5. Assembly of Components	pinching, incorrect	3H		2M
6. Fastening of Components	over-tightening, tool mishandling	3Н		2M



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7. Testing and Inspection	injury from malfunction, inaccurate measurements	4A		2M
8. Final Assembly Check	overlooked defects, improper alignments	ЗН		1L
9. Disassembly Preparation	incorrect procedures, loss of small parts	3H		2M



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10. Dismantling Components	part misplacement, strenuous moven	ЗН		2M
11. Cleaning and Maintenance	chemical exposure, equipment misuse	ЗН		1L



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12. Re-Testing after Disassembly	component failure during testing, inaccurate data logging	4A		2M
13. Re-Assembly	sequence errors, unapsubstitutions			1L
14. Final Inspection	hidden defects, non-compliance	ЗН		1L



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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
15. Documentation and Review	incomplete records, documentation errors	3H		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. 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 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

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 Infety gulations 2017

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

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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