

Clean Manu	facturing Equipment Risk	Assessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Emai	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PC	BU OF THE PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a pis 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 PRI. CIL L. CO. 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 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	Chemical exposure, Slips and trips	3H	 Ensure proper personal protective equipment (PPE's worn, such as gloves and goggles. Conduct a pre-inspection of the work area to it outify any wet surfaces. Use spill containment measures for chemical handling. Train employees on emergency procedures. Keep all chemical Material Chifety Data Sheets (SDS) accessore. Maintain clear pathways to a contain the kareas. Use non-slip floromats contain took areas. Implement meaning schoole for a work sea. Ensuradequate lighting inroughout to carea. Estants on report of system for spills or hazards. 	2M
2. Lock-out/Tag-out	Electric shock, Unexpected machine start-up		- De-ent gises suipment before cleaning begins. - De loc put/ta, but procedures to secure machinery. Train, as on lock-out/tag-out protocols. - Perify all energy sources are disconnected. - Use proper lock-out/tag-out kits and devices. - Conduct regular audits of lockout procedures. - Assign authorised personnel for lock-out activities. - Display warning signs on controls. - Update lock-out/tag-out plans regularly. - Test equipment to confirm it is de-energised.	2M
3. Disassembly	Manual handling injuries, Cuts and abrasions	ЗН	 Train staff on safe manual handling techniques. Use appropriate tools for disassembly tasks. Ensure tools are maintained and in good condition. Provide adequate hand protection such as cut-resistant gloves. Use mechanical aids to lift heavy components as needed. Ensure a clean and organised work environment. Provide step-by-step instructions for complex disassembly. Limit the size and weight of parts to be manually handled. 	2M



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			- Monitor adherence to safe work practices.- Adjust lighting to reduce strain and enhance visibility	
4. Cleaning	Chemical burns, Inhalation of fumes	4A		2M
5. Inspection	Reassembly issue Residual contamination	2M		1L
6. Reassembly	Incorrect assembly, Pinching incidents	ЗН		2M



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7. Test and Verification	Operational failure, Eye injuries	3Н		2M
8. Documentation	Incomplete records	₽M		1L
9. Housekeeping	Trip hazards, Fire risks	3Н		2M



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10. Training and Review	Skill gaps, Knowledge erosion	3Н		1L
11. Equipment Shutdown	Unexpected power-up, Residual ency	4A		2M
12. Communication	Information miscommunication, Language barriers	2M		1L



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13. Equipment Calibration	Measurement inaccuracies, Equipment misalignment	ЗН		2M
14. Emergency Response	Inadequate emergency procedures, Panic responses	4A		2M
15. Waste Management	Environmental contamination, Improper waste handling	3H		2M



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16. Maintenance and Servicing	Mechanical failure, Tool malfunctions	ЗН		2M
17. Personal Protective Equipment (PPE)	PPE inadequacy, PPE misuse	ЗН		1L



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18. Handling Materials	Material spills, Handling injuries	3Н		2M
19. Shutdown and Secure	Equipment tampering, Electrical hazard	3H)		1L
20. Continuous Improvement	Missed risks, Ineffective controls	2M		1 L



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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 2011

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 afety gulations 2017

Legis on VIC: https://www.wksafe.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