

Working	Near Live Circuits Risk As	sessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Emei	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PCI	BU ON 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	ire that a RISK ASSESSMENT
Full Name:			
Signature:		ntle:	Date:
CL	OR PRI. CIN 1. CO. TRACTOR I	DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project New			



RISK MATRIX									
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE MA	JOR CATASTROPH			HIERARCHY OF CONTROLS		
ALMOST CERTAIN	3 HIGH	3 HIGH		4 4 JTE ACUTE	SCORE	ACTION	Elimination Remove the hazard.		
LIKELY	2 MODERATE	3 HIGH	U U U U U U U U U U U U U U U U U U U	4 4 JTE ACUTE	4A ACUTE	DO NOT PROCEED	Substitution Replace the hazard. Isolation		
POSSIBLE	1 LOW	2 MODERATE		4 JTE ACUTE	3H HIGH	Rev before work art	Isolate People from the hazard Engineering Isolate the		
UNLIKELY	1 LOW	1 LOW		3 Z GH ACU E	MC RATE	Ensure control measures in place.	Activité istrativ e Chang		
RARE	1 LOW	1 LOW		3 GH H. 1	1L LOW	Monitor and keep records.	PP		
Risk Rating & Required Action: 4A Stop work. The risk is intolerable, cominate the hazard predesign the activity before proceeding. A Safe Work Method Statement (SWMS) or higher-level authorisation is required. 3H Review and approve additional controls to come task parts. Senior supervisor sign-off needed. 2M Ensure all nominated controls are imprace and effective. Proceed with caution; monitor conditions. 1L Proceed, following standard operating procedure: Monitor and keep records. Consequence Scale:						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			
Consequence		injury/illness)	Project / Ass	Significant regula	pliance / Reputat		Always document why a lower-order control is accepted if		
Catastrophic Major	Fatality or perma Serious injury/illr days)			wn prosecution	Significant regulator intervention; criminal prosecution		elimination or substitution is not reasonably practicable. aligned with Safe Work Australia's Managing the risk of fatigue at		
Moderate	Medical-treatmen	nt injury; lost-tim	e > 1 moderate dela	y Minor breach; ad	Work (2023) and ISO 45001:2018 clauses 6–8.				
Minor	First-aid only, no	lost time	negligible dela	y Isolated non-con	formance				
				Deviation caught and corrected on site					



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	Electric shock, Tool malfunction	ЗН	 Verify all equipment is tested and tagged. Ensure electrical tool inspection is up to data Conduct a toolbox talk outlining the risks and controls. Set up a designated safe area for preparationesia Ensure PPE, including insulted gloves, is available and user Confirm competence of staff unelectrical tasks. Ensure communication nucleos to functional and accessible. Review and splay emercincy procedures Confirm isolated procedures are in place. Limit science have a preparation area. 	2М
2. Identify Circuit Locations	Inadequate circuit identification, Exposure to live wire	2	 Use cluuit it is ntifiers and floor plans. Use instrated holes to trace circuits. Ensurprequate lighting in work area. abel all circuits clearly and accurately. Double-check identification with a second worker. Refer to updated building circuit diagrams. Perform visual inspections of circuits. Engage a qualified supervisor for verification. Maintain a communication log with team. Use voltage testers to confirm de-energised state. 	1L
3. Apply Lockout/Tagout Procedures	Failure to de-energise, Incorrect lockout techniques	ЗН	 Isolate the live circuits as per procedure. Apply lockout devices to all switches and circuit breakers. Use standardized lockout tags with clear identification. Conduct a lockout/tagout briefing for all involved. Have a qualified electrician apply lockout/tagout devices. Review lockout/tagout steps with a second person. Ensure lockout devices cannot be removed without authority. Record each lockout/tagout in the logbook. 	1L



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			- Confirm de-energisation with a multi-meter.	
			- Periodically inspect lockout devices for integrity.	
4. Verification of De- energisation	False assumptions of de-energisation, Residual or stored energy	ЗН		2M
5. Use Personal Protective Equipment (PPE)	Inadequate PPE upge, Incorrect PPE for task	2M		1L
6. Placement of Safety Barricades and Signage	Ineffective barricading, Insufficient warning signage	2M		1L



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7. Commencing Work on Circuits	Accidental live circuit contact, Tool handling accidents	ЗН		2M
8. Continuous Monitoring for Re- energisation	Unexpected energy restorer and warning signals	вн		2M
9. Completion of Circuit Task	Premature removal of lockout devices, Residual current risks	2M		1L



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10. Re-energisation	Uncontrolled re-energisation, Equipment arcing	ЗН		2М
11. Post-Activity Review	Incomprehensive reviews, Missed worker feedback	2М		1L
12. Documentation and Reporting	Incomplete records, Non-compliance with reporting standards	2M		1L

Version 2.5





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13. Equipment and Tool Maintenance	Insufficient record keeping, Overdue maintenance	2М		1L
14. Training and Competency Assurance	Lack of worker competerny, Ineffrence training programs	2М		1L
15. Emergency Preparedness	Ineffective emergency response, Confusion during incidents	ЗН		2М



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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 RE	FERENCES
RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGISL	LATIVE REFERENCES ANY STATE AT ARE NOT APPLICABLE
Queensland & Australian Capital Territory Work Health and Safety Act 2011 Work Health and Safety Regulations 2011 Legislation QLD: <u>https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws</u> Codes of Practice QLD: <u>https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice</u> Legislation ACT: <u>https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice</u> Codes of Practice ACT: <u>https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice</u> Codes of Practice ACT: <u>https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice</u>	Victoria Occupational Health at Safety Actor 04 Occupational Health and onfety or gulations 2017 Legistron VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and-oulations</u> Unless on vactice VIC <u>autps://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice</u>
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/legislatic Codes of Practice NSW: https://www.safework.nsw.gov.au/legal-obligations/legislatic	Western Australia Work Health and Safety Act 2020 Work Health and Safety Regulations 2022 Legislation Western Australia: <u>https://www.commerce.wa.gov.au/worksafe/legislation</u> Codes of Practice WA: <u>https://www.commerce.wa.gov.au/worksafe/codes-practice</u>
Northern Territory Work Health and Safety (National Uniform Legislation) Act 2011 Work Health and Safety (National Uniform Legislation) Regulation 2011 Legislation NT: https://worksafe.nt.gov.au/laws-and-compliance/worplace-serve-laws Codes of Practice NT: https://worksafe.nt.gov.au/formers/legislations/legislat	Safe Work Australia Links Law and Regulation (All States): <u>https://www.safeworkaustralia.gov.au/law-and-regulation</u> Model Codes of Practice: <u>https://www.safeworkaustralia.gov.au/resources-publications/model- codes-of-practice</u>
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/word_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	 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
Work Health and Safety (Transitional) Regulations 2012 Legislation for TAS: <u>https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations</u> Codes of Practice for TAS: <u>https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice</u> Details of permits, licenses or access required by regulatory bodies (add or delete as required): - Permits from local council	 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
- Authorisation to commence work - Any required documents.	- Construction work