

Working Nea	r Exposed Live Wiring Risk	k Assessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Ema.	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PCE	BU ON W 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 PCBL 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			



#### **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	Inadequate training, Poor planning	3H	<ul> <li>Ensure all workers are adequately trained in electrical safety</li> <li>Develop a detailed work plan with hazard identication and risk control</li> <li>Provision of personal protective equipment PPE) suitable for electrical work</li> <li>Conduct a site induction focusing on electrical isl</li> <li>Verify appropriate licensing and qualifications on a personne?</li> <li>Review electrical plans and be prints prior to contain the mention of the personne?</li> <li>Confirm available on moral data emergency procedures</li> <li>Schedule very to avoid like wiring there personle</li> <li>Ensuravailable by of place separation parriers</li> <li>Review of ensurances to current electrical standards</li> </ul>	2M
2. Site Inspection	Slips and trips, Unknown electrical sources	31	- Condulate we rethrough to identify potential tripping hazards  - Inhight and departate live wires clearly  - Uses as the to warn of high-risk areas - Plan for clear egress paths  - Confirm drip loops are installed on wires  - Use bright visibility barriers around hazards  - Ensure ventilation is checked to avoid overheating  - Inspect all wiring for wear and tear	2M
3. Electrical Isolation	Unisolated conductors, Unintentional power sources	4A	- Follow lockout/tagout procedures to secure power  - Use voltage testers to confirm de-energized state  - Identify and isolate all sources including renewables  - Instruct workers to use non-conductive tools  - Ensure supervision during isolation tasks  - Implement remote shutdown where possible  - Verify isolation with a second worker in attendance  - Use pre-approved isolation checklists	2M



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
			- Affix lockout devices clearly marked with worker ID	
			- Record isolation time and date for auditing	
4. Live Work Requirement Assessment	Fault currents, Electric arc	4A		2M
5. Tool and Equipment Check	Faulty tools, Unsumble equipment	ЗН		1L
6. Work Area Setup	Obstructed pathways, Insufficient lighting	ЗН		1L



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
7. Pre-Task Hazard Analysis	Changing conditions, Workers unaware of new risks	3Н		2M
8. Working in Confined Spaces	Oxygen deficiency,snock	JA		2M
9. Task Execution	Human error, Mechanical failure	4A		2M



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
10. Post-Task Review	Undiscovered latent faults, Equipment left unsecured	зн		1L
11. Final De-Brief and Reporting	Poor communication, Incomplete incident documentation	ЗН		1L
12. Dismantle and Clean-up	Injury due to debris, Return of unauthorised personnel	3H		2M



7

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
13. Retrieval of Lockout/Tagout Devices	Re-energising faults, Improper notification	4A		2M
14. Restoration of Power	Unexpected power restorations. Equipment failure on standard	4A		2M
15. Post-Restoration Monitoring	System instability, Delayed response to faults	ЗН		1L



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
16. Incident Investigation	Lack of transparency, Delayed reporting	3Н		1L
17. Continuous Improvement	Complacent culture, Lack or reedback utilization	ЗН		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/legislative

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

Legislation NT: https://worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compliance/worksafe.nt.gov.au/laws-and-compl

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/legislation

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.wksafe.vic.gov.au/occupational-health-and-safety-act-and-

gulat

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: 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