

| Low Volt  | age Power Supply Risk As         | sessment                          |                           |
|---|----------------------------------|-----------------------------------|---------------------------|
| Business Name:  |                                  | ABN:                              |                           |
| Business Address:   |                                  |                                   |                           |
| Contact Person:   | Phone:                           | Ema.                              |                           |
|   |                                  |                                   |                           |
| THIS RISK ASSESSM   | MENT IS APPROVED BY THE PCI      | BU OI Y AROJECT                   |                           |
| 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 ensur | re that a RISK ASSESSMENT |
| Full Name:  |                                  |                                   |                           |
| Signature:  |                                  | ritle:                            | Date:                     |
|   |                                  |                                   |                           |
| CL  | OR PRICE LCO. TRACTOR I          | DETAILS                           |                           |
| Client:   |                                  | SCOPE OF                          | WORKS                     |
| Project Name:   |                                  |                                   |                           |
| Project Address:  |                                  |                                   |                           |
| Project Manager:  |                                  |                                   |                           |
| Contact Phone:  |                                  |                                   |                           |
| Date Risk Assessment supplied to Project In.  |                                  |                                   |                           |

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 hi         | 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 | ng procedurer //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. Éliminate
- 2. 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<br>RISK | SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS  | RESIDUAL<br>RISK |
| 1. Preparation      | electric shock, fire                       | 3H              | <ul> <li>Ensure all personnel are trained in electrical safety: ocedures</li> <li>Verify that power supply equipment is suitable to the task</li> <li>Check that all emergency procedures are available to the assible</li> <li>Confirm that fire extinguishers are available to the assible</li> <li>Establish a safe zone free counnecessary personnel</li> <li>Implement lockout/tagout procedures to prevent a safety energising</li> <li>Use non-conduct a too and included gloves</li> <li>Inspect equanent for darage or very before use</li> <li>Avoid vorking tweet or antions</li> <li>Schools work during low-traffic periods</li> </ul> | 2M               |
| 2. Site Inspection  | trip hazards, inadequation                 | 31              | - Condula a withrough o identify potential hazards - move any or pacies or debris from the work area Checut to the site is well-ventilated - nsure that all lighting is operational and adequate - Evaluate the need for additional ventilation equipment - Assess surface stability to prevent slips - Implement clear signage for identified risks - Equip personnel with proper footwear - Plan for periodic reassessment of site conditions - Establish designated walkways   | 2M               |
| 3. Equipment Setup  | equipment malfunction, inappropriate usage | 4A              | - Follow manufacturer instructions for proper setup  - Verify that the power supply rating matches equipment requirements  - Use only equipment that is regularly maintained and tested  - Ensure all connections are secure and correctly configured  - Provide training for all operators on specific equipment  - Keep a record of all equipment inspections and maintenance  - Have backup equipment available in case of failure  - Use circuit breakers appropriate for the power level   | 3H               |



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|                               |   |                 | - Communicate the setup plan clearly to the entire team                |                  |
|                               |   |                 | - Assign a supervisor to oversee the setup process                     |                  |
|                               |   |                 | - Implement test runs without load                                     |                  |
| 4. Cable Management           | tripping, damage to cables                  | ЗН              |  | 2M               |
| 5. Power Testing              | short circuits, electricck                  | AA              |  | 3H               |
| 6. Connection<br>Verification | incorrect connections, overloading circuits | ЗН              |  | 2M               |



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| 7. Operation<br>Commencement | equipment overheating, unexpected power surge | 4A              |  | 3H               |
| 8. Regular Monitoring        | unexpected faults, component failure          | 4A              |  | ЗН               |
| 9. Maintenance               | incomplete repair, inappropriate parts use    | ЗН              |  | 2M               |



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|---------------------------------|--|-----------------|--|------------------|
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| 10. Incident Response           | further injury during response, delayed response | 4A              |  | <b>2</b> M       |
| 11. De-energisation             | accidental re-energisation, incomplete shutdowns | зн              |  | 2M               |
| 12. Inspection and<br>Reporting | overlooked hazards, miscommunication             | 3H              |  | 2M               |



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| 13. Storage of Equipment     | equipment damage, unauthorized access       | ЗН              |  | 2M               |
| 14. Waste Management         | toxic exposure, injuries from sharp objects | ЗН              |  | 2M               |
| 15. Review and Documentation | incomplete records, outdated procedures     | 3H              |  | 2M               |



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|--------------------------------|---|-----------------|--|------------------|
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| 16. Feedback Session           | ignored suggestions, missed improvement opportunities | ЗН              |  | 2M               |
| 17. Training and<br>Competency | lack of knowledge, inappropriate skills               | 4A              |  | 3H               |
| 18. Contractor<br>Coordination | misaligned goals, ineffective communication           | 3H              |  | 2M               |



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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/codes-oi-practic

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/legislati

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

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\_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 al. Safety Act

Occupational Health and Infety gulations 2017

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

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tes of actice VIC attps://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