

| Sola   | r Farm Upkeep Risk Asses         | sment                            |                           |
|--|----------------------------------|----------------------------------|---------------------------|
| Business Name:   |                                  | ABN:                             |                           |
| Business Address:  |                                  |                                  |                           |
| Contact Person:  | Phone:                           | Emai                             |                           |
|  |                                  |                                  |                           |
| THIS RISK ASSESSI  | MENT IS APPROVED BY THE PC       | BU OI Y PROJECT                  |                           |
| 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:   |                                  | ritle:                           | Date:                     |
| CLY  |                                  | DETAILS                          |                           |
| Client:  |                                  | SCOPE OF                         | WORKS                     |
| Project Name:  |                                  |                                  |                           |
| Project Address:   |                                  |                                  |                           |
| Project Manager:   |                                  |                                  |                           |
| Contact Phone:   |                                  |                                  |                           |
| Date Risk Assessment supplied to Project No.   |                                  |                                  |                           |



| RISK MATRIX   |   |                     |                                       |  |   |   |  |  |
|---|---|---------------------|---------------------------------------|--|---|---|--|--|
| LIKELIHOOD  | INSIGNIFICANT                                     | MINOR               | MODERATE MA                           | JOR CATASTROPH                         |   |   | HIERARCHY OF CONTROLS  |  |
| ALMOST<br>CERTAIN   | 3<br>HIGH   | 3<br>HIGH           |                                       | 4 4<br>JTE ACUTE                       | SCORE                                     | ACTION                                  | Elimination<br>Remove the hazard.  |  |
| LIKELY  | 2<br>MODERATE                                     | 3<br>HIGH           | U U U U U U U U U U U U U U U U U U U | 4 4<br>JTE ACUTE                       | 4A<br>ACUTE                               | DO NOT<br>PROCEED                       | Substitution<br>Replace the hazard.<br>Isolation   |  |
| POSSIBLE  | 1<br>LOW  | 2<br>MODERATE       |                                       | 4<br>JTE ACUTE                         | 3H<br>HIGH                                | Rev before<br>work art                  | Isolate People from the<br>hazard<br>Engineering<br>Isolate the  |  |
| UNLIKELY  | 1<br>LOW  | 1<br>LOW            |                                       | 3 Z<br>GH ACU E                        | MC RATE                                   | Ensure control<br>measures in<br>place. | Activité<br>istrativ<br>e<br>Chang   |  |
| RARE  | 1<br>LOW  | 1<br>LOW            |                                       | 3<br>GH H. 1                           | 1L<br>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 hit er-level authorisatic is required.         3H       Review and approve additional corrols to come task parts. Senior supervisor sign-off needed.         2M       Ensure all nominated controls are in prace and efficience with caution; monitor conditions.         1L       Proceed, following standard operating procedures 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<br>ator intervention; c |   | Always document why a lower-order control is accepted if   |  |
| Catastrophic<br>Major   | Fatality or perma<br>Serious injury/illr<br>days) |                     |                                       | wn prosecution                         | tice; major media                         |   | elimination or substitution is not reasonably practicable.<br>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                     | lverse client comn                        | nent                                    | work (2023) and ISO 45001:2018 clauses 6–8.  |  |
| Minor   | First-aid only, no                                | lost time           | negligible dela                       | y Isolated non-con                     | formance                                  |   |  |  |
|   |   |                     | no schedule                           | Deviation caught and corrected on site |   |   |  |  |



| 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             | uneven terrain, inadequate tools   | ЗН              | Conduct a site survey to identify and mark uneven as as<br>Ensure all tools are checked and properly main used before use<br>Provide adequate lighting for early morning relate afternow work<br>Use only approved and tested equipment for up block<br>Train workers in usage and bendling of tools species to solar fractasks<br>Establish and communicate clearwork plans to all term tembers<br>Ensure emergence ontake and procedures are communicated to workers<br>Install temperer visignage inecating to tardon useas<br>Use protective extipme suppropriate houserrain and task  | 2M               |
| 2. Equipment<br>Inspection | electrical faults, sharp           | 2               | Super severker events compliance with safety protocols  Employ quality electrons for electrical inspections  Employ quality electrons for electrical inspections  Use purchal protective equipment, especially insulated gloves for electrical tasks  Use purchal tools used for signs of damage or wear  Provide training on identifying and reporting hazards identified during inspections Implement a regular maintenance and inspection schedule Ensure communication devices are operational in case of emergency Keep first-aid kits readily available at inspection sites Limit exposure times to potential electrical hazards Keep immediate work area clear of unnecessary personnel | 2M               |
| 3. Panel Cleaning          | slips and falls, chemical exposure | ЗН              | Provide workers with non-slip footwear<br>Use harnesses when working at heights on solar panels<br>Secure ladders on stable ground and monitor during use<br>Use biodegradable and non-toxic cleaning agents<br>Conduct safety briefings specifically for handling cleaning chemicals<br>Ensure weather conditions are suitable before commencing work<br>Implement a buddy system for immediate assistance in case of an incident<br>Label and store all chemicals according to safety standards  | 2М               |



| JOB STEP                           | POTENTIAL HAZARDS                             | IR              | CONTROL MEASURES   | RR               |
|------------------------------------|---|-----------------|--|------------------|
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|                                    |   |                 | Train workers on emergency spill response procedures                   |                  |
|                                    |   |                 | Install guardrails in high-risk areas where feasible                   |                  |
|                                    |   |                 | Conduct regular health checks for workers hand chemicals               |                  |
| 4. Wiring and<br>Connections Check | electrocution, tripping hazards               | 4A              |  | 2M               |
| 5. Inverter Maintenance            | electrical malfunction, equipment<br>collapse | 4A              |  | 2М               |
| 6. Vegetation<br>Management        | wildlife encounters, abrasion injuries        | ЗН              |  | 2M               |



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| 7. Roadway<br>Maintenance | vehicular accidents, dust inhalation | ЗН              |  | 1L               |
| 8. Storm Preparation      | falling debris, electrical surges    | 4A              |  | 2М               |



| 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 |
| 9. Security Patrols                            | confrontations, thermal stress    | ЗН              |  | 1L               |
| 10. Battery Storage<br>Inspection              | explosion, acid burns             | 44              |  | 2М               |
| 11. Electrical<br>Infrastructure<br>Inspection | arc flash, structural instability | 4A              |  | 2M               |



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|--------------------------------|--|-----------------|--|------------------|
| 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 |
| 12. Logistics and<br>Handling  | muscle strain, load shift                        | ЗН              |  | 1L               |
| 13. System Monitoring          | data interpretation errors, hardware malfunction | 2М              |  | 1L               |
| 14. Construction<br>Activities | falling objects, power tool misuse               | 4A              |  | 2M               |



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|----------------------|-------------------------------|-----------------|--|------------------|
| 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                |
| 15. Waste Management | chemical spills, sharp waste  | 3H              |  | 1L               |
| 16. Traffic Control  | pedestrian impact, collisions | ЗН              |  | 1L               |



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|-----------------------------|---|-----------------|--|------------------|
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| 17. Emergency Drills        | panic, inadequate equipment             | 2М              |  | 1L               |
| 18. Community<br>Engagement | miscommunication, an and<br>disturbance | M               |  | 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.

|   | REFERENCES  |  |  |  |  |  |
|---|---|--|--|--|--|--|
| RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEG  | SISLATIVE 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: <a href="https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws">https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws</a> Codes of Practice QLD: <a href="https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice">https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice</a> Legislation ACT: <a href="https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice">https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice</a> Codes of Practice ACT: <a href="https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice">https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice</a> | Victoria<br>Occupational Health and Safety Acta 24<br>Occupational Health and Infeture gulations 2017<br>Legis from VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and-<br/>gulaters</u><br>Unles on wactice VICe. <u>https://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: <a href="https://www.safework.nsw.gov.au/legal-obligations/legislatic">https://www.safework.nsw.gov.au/legal-obligations/legislatic</a> Codes of Practice NSW: <a href="https://www.safework.nsw.gov.au/resource-library/lis">https://www.safework.nsw.gov.au/legal-obligations/legislatic</a>   | Western Australia<br>Work Health and Safety Act 2020<br>Work Health and Safety Regulations 2022<br>Legislation Western Australia: <u>https://www.commerce.wa.gov.au/worksafe/legislation</u><br>Codes of Practice WA: <u>https://www.commerce.wa.gov.au/worksafe/codes-practice</u>                                       |  |  |  |  |  |
| Northern Territory<br>Work Health and Safety (National Uniform Legislation) Act 2011<br>Work Health and Safety (National Uniform Legislation) Regulation 2015<br>Legislation NT: https://worksafe.nt.gov.au/laws-and-compliance/workplace-serve-laws<br>Codes of Practice NT: https://worksafe.nt.gov.au/formed-compliance/workplace-serve-laws<br>Codes of Practice NT: https://worksafe.nt.gov.au/formed-compliance/workplace-serve-laws<br>Codes of Practice NT: https://worksafe.nt.gov.au/formed-compliance/workplace-serve-laws   | Safe Work Australia Links<br>Law and Regulation (All States): <u>https://www.safeworkaustralia.gov.au/law-and-regulation</u><br>Model Codes of Practice: <u>https://www.safeworkaustralia.gov.au/resources-publications/model-<br/>codes-of-practice</u>  |  |  |  |  |  |
| South Australia<br>Work Health and Safety Act 2012 (SA)<br>Work Health and Safety Regulations 2012 (SA)<br>Legislation for SA: <u>https://www.safework.sa.gov.au/resources/legislation</u><br>Codes of Practice for SA: <u>https://www.safework.sa.gov.au/work_saces/codes-of-practice#COPs</u>   | 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   |  |  |  |  |  |
| 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: <a href="https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations">https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations</a> Codes of Practice for TAS: <a href="https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice">https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice</a>   | <ul> <li>First aid in the workplace</li> <li>Managing the risk of falls at workplaces</li> <li>Hazardous manual tasks</li> <li>Managing the risk of falls in housing construction</li> <li>Managing electrical risks in the workplace</li> <li>Demolition work</li> <li>Excavation work</li> </ul>                        |  |  |  |  |  |
| Details of permits, licenses or access required by regulatory bodies (add or delete as required): - Permits from local council - Authorisation to commence work   | <ul> <li>Work health and safety consultation, cooperation and coordination</li> <li>Managing the work environment and facilities</li> <li>How to manage work health and safety risks</li> <li>Managing risks of plant in the workplace</li> <li>Construction work</li> </ul>  |  |  |  |  |  |

- Any required documents.