

Underg	round Cultivation Risk Ass	essment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Ema.	
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THIS RISK ASSESSM	MENT IS APPROVED BY THE PC	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 PCBU required to ensur	re that a RISK ASSESSMENT
Full Name:			
Signature:		ritle:	Date:
CLY	OR PRICEIN LCO. TRACTOR I	DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project			

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 // Ion	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	Inadequate planning, Unsafe equipment	3H	Conduct a comprehensive site survey to assess potential hazards Ensure only certified personnel handle initial straps Verify that all equipment is compliant with straty standard. Provide training for all staff on site-specific rist parameters are gency procedures. Schedule regular safety brieffings and updates. Develop a communication plantar emergencies. Conduct a thoroug mask scressment prior to beginning work. Ensure avail only of first an equipment on sit. Creation evaluation plantage gencies to the underground site. Conduct a strandard control of the specific to the underground site.	2M
2. Entry into Site	Low visibility, Unstable	33	Ensure ope anting a patalled and functional clidate and points with regular inspections. Restrict a sess to authorised personnel only anduct mandatory safety inductions before site access. Install clear signage regarding potential risks at entry points. Provide personal protective equipment appropriate for conditions. Use secure entry points to prevent unauthorised access. Conduct drills for low visibility scenarios. Ensure adequate surveillance and monitoring systems in place. Maintain a log of all personnel entering and exiting the site.	2M
3. Setting Up Equipment	Heavy lifting, Equipment malfunction	4A	Use mechanical lifting aids to reduce manual handling Ensure equipment is serviced regularly by qualified technicians Implement a tag-out/lock-out system for faulty equipment Require mandatory manual handling training for workers Position equipment on stable, secure platforms Verify all safety mechanisms are engaged before operation Perform routine checks of equipment by trained supervisors Ensure proper storage of equipment when not in use	3H



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			Provide clear instructions and demonstrations on equipment use	
			Limit the number of personnel in the setup area to prevent overcrowding	
4. Ventilation Setup	Air contamination, Insufficient oxygen	4A		2M
5. Electrical Setup	Electric shock, Fire hazards	4A		ЗН
6. Plant Maintenance	Mechanical failure, Pinch points	ЗН		2M



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7. Transport of Materials	Load shifting, Poor path conditions	3H		2M
8. Waste Management	Exposure to hazardous substances, Improper waste disposal	ЗН		2M
9. Worker Movement	Tripping hazards, Restricted space	ЗН		2M



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10. Water Management	Flooding, Water contamination	4A		2M
11. Communication Systems	Communication breakdown, Delavemergency response	ЗН		2M
12. Personal Protective Equipment (PPE)	Improper use, Insufficient protection	3Н		1L



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13. Underground Navigation	Getting lost, Injury from unfamiliar terrain	ЗН		2M
14. Chemical Handling	Chemical burns, Inhalation of fumes	4A		2M
15. Emergency Procedures	Uncoordinated response, Panic among workers	3Н		1L



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16. Lighting Management	Insufficient lighting, Burnout of lights	ЗН		2M
17. Manual Handling	Muscle strain, Dropping objects	ЗН		2M
18. Equipment Operation	Operator error, Machine malfunction	4A		2M



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19. Safety Protocol Compliance	Non-compliance, Ignorance of rules	3H		2M
20. Conclusion and Debrief	Unaddressed hazards, Lack of feedback	2M		1L



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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