

## Land Rehabilitation Risk Assessment

Business Name:	ABN:	
Business Address:		
Contact Person:	Phone:	Email:

### THIS RISK ASSESSMENT IS APPROVED BY THE PCBU ON THE PROJECT

Under the Work Health and Safety Regulation (WHS Regulation), a person conducting a business or undertaking (PCBU) is required to ensure that a RISK ASSESSMENT is prepared before the proposed work starts.

Full Name:		
Signature:	Title:	Date:

### CLIENT OR PRINCIPAL CONTRACTOR DETAILS

Client:	SCOPE OF WORKS
Project Name:	
Project Address:	
Project Manager:	
Contact Phone:	
Date Risk Assessment supplied to Project Manager:	

RISK MATRIX									
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE	MAJOR	CATASTROPHIC	SCORE	ACTION	HIERARCHY OF CONTROLS	
ALMOST CERTAIN	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4 ACUTE			<b>Elimination</b> Remove the hazard.	
LIKELY	2 MODERATE	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4A ACUTE	DO NOT PROCEED	<b>Substitution</b> Replace the hazard.	
POSSIBLE	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	4 ACUTE	3H HIGH	Review before work starts.	Isolation Isolate People from the hazard	
UNLIKELY	1 LOW	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	2M MODERATE	Ensure control measures in place.	<b>Engineering</b> Isolate the hazard	
RARE	1 LOW	1 LOW	2 MODERATE	3 HIGH	3 HIGH	1L LOW	Monitor and keep records.	<b>Administrative</b> Change	
								<b>PPE</b>	
<b>Risk Rating &amp; Required Action:</b>								<b>Notes on Hierarchy of Controls:</b>	
4A Stop work. The risk is intolerable. Eliminate the hazard or redesign the activity before proceeding. A Safe Work Method Statement (SWMS) or higher-level authorisation is required.								Remember to apply controls in the preferred order shown by the coloured pyramid:	
3H Review and approve additional controls before task starts. Senior supervisor sign-off needed.								1. <b>Eliminate</b>	
2M Ensure all nominated controls are in place and effective. Proceed with caution; monitor conditions.								2. Substitute	
1L Proceed, following standard operating procedures. Monitor and keep records.								3. Isolate	
								4. Engineering	
								5. Administrative	
								6. PPE	
<b>Consequence Scale:</b>								Always document <b>why</b> a lower-order control is accepted if elimination or substitution is not reasonably practicable.	
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				
								<i>aligned with Safe Work Australia's Managing the risk of fatigue at work (2023) and ISO 45001:2018 clauses 6–8.</i>	

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. Site Assessment	Uneven terrain, Wildlife presence	3H	<ul style="list-style-type: none"> <li>- Conduct a comprehensive site survey</li> <li>- Use of protective gear</li> <li>- Documentation of wildlife activity</li> <li>- Engage with local wildlife experts</li> <li>- Implement exclusion zones</li> <li>- Train staff on wildlife encounter protocols</li> <li>- Regularly monitor terrain conditions</li> <li>- Maintain clear signage</li> <li>- Ensure communication devices are operational</li> <li>- Develop emergency response plans</li> </ul>	2M
2. Site Preparation	Machinery operation, Dust exposure	4H	<ul style="list-style-type: none"> <li>- Conduct pre-start checks on all machinery</li> <li>- Provide respiratory protective equipment</li> <li>- Implement water spray to suppress dust</li> <li>- Designate machinery operating zones</li> <li>- Train operators in safe use of machinery</li> <li>- Implement regular maintenance schedules</li> <li>- Use dust monitoring equipment</li> <li>- Restrict access to non-essential personnel</li> <li>- Ensure effective communication systems</li> <li>- Display hazard signage prominently</li> </ul>	3H
3. Soil Remediation	Chemical exposure, Soil instability	3H	<ul style="list-style-type: none"> <li>- Use of PPE when handling chemicals</li> <li>- Follow manufacturer instructions for chemical use</li> <li>- Train staff in spill response procedures</li> <li>- Regular soil stability assessments</li> <li>- Implement soil stabilisation measures</li> <li>- Install barriers around unstable areas</li> <li>- Maintain spill kits on-site</li> <li>- Conduct regular safety briefings</li> </ul>	2M

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			<ul style="list-style-type: none"> <li>- Monitor weather conditions</li> <li>- Ensure emergency contact details are accessible</li> </ul>	
4. Vegetation Clearance	Mechanical injury, Noise exposure	2M	<p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>	1L
5. Erosion Control	Slips, trips, and falls, Sediment runoff	2M	<p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>	1L
6. Revegetation	Manual handling, Pesticide exposure	3H	<p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>	2M

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7. Water Management	Drowning risk, Waterborne pathogens	4A		3H
8. Pest Control	Toxic exposure, Bio-contaminants	3H		2M
9. Waste Management	Contamination, Heavy lifting	2M		1L

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10. Monitoring and Maintenance	Equipment malfunction, Health surveillance	2M		1L
11. Community Engagement	Miscommunication, Cultural sensitivity	2M		1L
12. Reporting and Documentation	Data inaccuracy, Information overload	2M		1L

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13. Rehabilitation Techniques	Incorrect technique application, Resource scarcity	3H		2M
14. Final Inspection	Overlap with ongoing activities, Non-compliance issues	2M		1L
15. Project Closure	Incomplete handover, Legacy issues	2M		1L

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			<div>1. Establish a safety management system (SMS) and ensure all personnel are trained and competent to perform their duties.</div> <div>2. Conduct regular safety audits and inspections to identify and address potential hazards.</div> <div>3. Implement a strict permit-to-work system for all high-risk activities.</div> <div>4. Ensure all equipment is properly maintained and inspected before use.</div> <div>5. Establish clear communication protocols and ensure all personnel are aware of the risks and control measures.</div> <div>6. Conduct regular safety meetings and training sessions to reinforce safety culture.</div> <div>7. Implement a robust emergency response plan and ensure all personnel are familiar with the procedures.</div> <div>8. Establish a system for reporting and investigating incidents and near misses.</div> <div>9. Ensure all personnel are aware of the location and use of fire extinguishers and first aid kits.</div> <div>10. Implement a strict no-smoking policy in the vicinity of the project.</div>	
16. Post-Rehabilitation Monitoring	Unexpected environmental changes, Non-compliance	3H	<div>1. Establish a monitoring system to track environmental parameters (e.g., water quality, soil erosion) and ensure compliance with relevant regulations.</div> <div>2. Conduct regular site inspections to identify any signs of environmental degradation or non-compliance.</div> <div>3. Implement a strict permit-to-work system for all activities that could potentially impact the environment.</div> <div>4. Ensure all personnel are trained in environmental protection measures and are aware of the risks of non-compliance.</div> <div>5. Establish clear communication protocols and ensure all personnel are aware of the risks and control measures.</div> <div>6. Conduct regular safety meetings and training sessions to reinforce safety culture.</div> <div>7. Implement a robust emergency response plan and ensure all personnel are familiar with the procedures.</div> <div>8. Establish a system for reporting and investigating incidents and near misses.</div> <div>9. Ensure all personnel are aware of the location and use of fire extinguishers and first aid kits.</div> <div>10. Implement a strict no-smoking policy in the vicinity of the project.</div>	2M
17. Environmental Impact Assessment	Inadequate data, Unidentified impacts	3H	<div>1. Conduct a thorough environmental impact assessment (EIA) to identify potential impacts and develop mitigation measures.</div> <div>2. Establish a monitoring system to track environmental parameters and ensure compliance with relevant regulations.</div> <div>3. Conduct regular site inspections to identify any signs of environmental degradation or non-compliance.</div> <div>4. Implement a strict permit-to-work system for all activities that could potentially impact the environment.</div> <div>5. Ensure all personnel are trained in environmental protection measures and are aware of the risks of non-compliance.</div> <div>6. Establish clear communication protocols and ensure all personnel are aware of the risks and control measures.</div> <div>7. Conduct regular safety meetings and training sessions to reinforce safety culture.</div> <div>8. Implement a robust emergency response plan and ensure all personnel are familiar with the procedures.</div> <div>9. Establish a system for reporting and investigating incidents and near misses.</div> <div>10. Ensure all personnel are aware of the location and use of fire extinguishers and first aid kits.</div>	2M
18. Adaptive Management	Resistance to change, Failure to adapt	2M	<div>1. Establish a system for monitoring and evaluating the effectiveness of the project and its impact on the environment.</div> <div>2. Conduct regular site inspections to identify any signs of environmental degradation or non-compliance.</div> <div>3. Implement a strict permit-to-work system for all activities that could potentially impact the environment.</div> <div>4. Ensure all personnel are trained in environmental protection measures and are aware of the risks of non-compliance.</div> <div>5. Establish clear communication protocols and ensure all personnel are aware of the risks and control measures.</div> <div>6. Conduct regular safety meetings and training sessions to reinforce safety culture.</div> <div>7. Implement a robust emergency response plan and ensure all personnel are familiar with the procedures.</div> <div>8. Establish a system for reporting and investigating incidents and near misses.</div> <div>9. Ensure all personnel are aware of the location and use of fire extinguishers and first aid kits.</div> <div>10. Implement a strict no-smoking policy in the vicinity of the project.</div>	1L



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19. Decommissioning Temporary Structures	Structural instability, Waste production	2M		1L
20. Continuous Improvement Review	Complacency, Lack of feedback	2M		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 IF ANY STATE THAT 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>

### Victoria

Occupational Health and Safety Act 2004

Occupational Health and Safety Regulations 2017

Legislation VIC: <https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and-regulations>

Codes of Practice VIC: <https://www.worksafe.vic.gov.au/compliance-codes-and-codes-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/legislation>

Codes of Practice NSW: <https://www.safework.nsw.gov.au/resource-library/list-codes-of-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>

### Northern Territory

Work Health and Safety (National Uniform Legislation) Act 2011

Work Health and Safety (National Uniform Legislation) Regulations 2011

Legislation NT: <https://worksafe.nt.gov.au/laws-and-compliance/workplace-safety-laws>

Codes of Practice NT: <https://worksafe.nt.gov.au/laws-and-compliance/codes-of-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

### 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/workplaces/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.