

## Ensure Perimeter Guardrails Risk Assessment

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

## THIS RISK ASSESSMENT IS APPROVED BY THE PCBU ON THIS 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.	<b>Isolation</b> 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>

## Risk Rating &amp; Required Action:

<b>4A</b>	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.
<b>3H</b>	Review and approve additional controls before task starts. Senior supervisor sign-off needed.
<b>2M</b>	Ensure all nominated controls are in place and effective. Proceed with caution; monitor conditions.
<b>1L</b>	Proceed, following standard operating procedures. Monitor and keep records.

## Consequence Scale:

Consequence	People (injury/illness)	Project / Assets	Compliance / Reputation
<b>Catastrophic</b>	Fatality or permanent total disability	project shutdown	Significant regulator intervention; criminal prosecution
<b>Major</b>	Serious injury/illness (hospital > 5 days)	critical delay	Improvement notice; major media coverage
<b>Moderate</b>	Medical-treatment injury; lost-time > 1 day	moderate delay	Minor breach; adverse client comment
<b>Minor</b>	First-aid only, no lost time	negligible delay	Isolated non-conformance
<b>Insignificant</b>	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**
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 RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
1. Preparation	Incomplete site survey, Missing equipment	3H	<ul style="list-style-type: none"> <li>- Conduct a comprehensive site survey</li> <li>- Ensure all necessary equipment is present on site</li> <li>- Verify all team members are briefed on the plan</li> <li>- Cross-check materials against project requirements</li> <li>- Confirm communication lines are open among all teams</li> <li>- Review all safety instructions with the team</li> <li>- Schedule introduction meeting with on-site workers</li> <li>- Document any changes in site conditions</li> <li>- Double-check personal protective equipment (PPE) availability</li> <li>- Prepare risk assessment documents for reference</li> </ul>	2M
2. Inspect Existing Structures	Structural instability, Collapse	3H	<ul style="list-style-type: none"> <li>- Engage a structural engineer for assessment</li> <li>- Perform non-destructive testing for assessment</li> <li>- Check for any visible signs of instability</li> <li>- Tag and report any areas of concern</li> <li>- Apply anti-corrosion treatments as needed</li> <li>- Establish barriers around unstable sections</li> <li>- Position observers for hazard mitigation</li> <li>- Conduct regular monitoring of identified structures</li> <li>- Document all findings comprehensively</li> <li>- Develop a corrective action plan</li> </ul>	1L
3. Erect Scaffolding	Scaffold collapse, Falling materials	4A	<ul style="list-style-type: none"> <li>- Use only certified equipment and personnel</li> <li>- Calculate load capacity accurately</li> <li>- Double-check all scaffolding connections</li> <li>- Ensure all personnel are trained</li> <li>- Use toe boards to prevent tool drops</li> <li>- Install safety nets and catch platforms</li> <li>- Conduct scaffold inspections daily</li> <li>- Rotate workers to mitigate fatigue</li> </ul>	2M

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			<ul style="list-style-type: none"> <li>- Have an emergency response plan in place</li> <li>- Document scaffold erection in detail</li> </ul>	
4. Install Temporary Guardrails	Inadequate support, Slips from height	3H	<ul style="list-style-type: none"> <li>- Ensure all support points are adequately secured</li> <li>- Use proper tie-off techniques</li> <li>- Maintain clear walkways</li> <li>- Use fall protection when working at height</li> <li>- Ensure all materials are properly stored</li> <li>- Use ladders safely</li> <li>- Avoid overloading</li> <li>- Use proper lifting techniques</li> <li>- Keep work area clean</li> <li>- Use proper communication</li> <li>- Ensure all workers are trained</li> <li>- Use proper safety equipment</li> <li>- Avoid distractions</li> <li>- Use proper footing</li> <li>- Keep hands free</li> <li>- Use proper body mechanics</li> <li>- Avoid sudden movements</li> <li>- Use proper grip</li> <li>- Keep eyes on the task</li> <li>- Use proper posture</li> <li>- Avoid fatigue</li> <li>- Use proper breathing techniques</li> <li>- Keep hydrated</li> <li>- Use proper rest breaks</li> <li>- Avoid alcohol and drugs</li> <li>- Use proper safety protocols</li> <li>- Follow all safety instructions</li> <li>- Use proper safety signs</li> <li>- Keep safety equipment accessible</li> <li>- Use proper safety harness</li> <li>- Avoid loose clothing</li> <li>- Use proper safety shoes</li> <li>- Avoid slippery surfaces</li> <li>- Use proper safety barriers</li> <li>- Keep safety barriers in place</li> <li>- Use proper safety lights</li> <li>- Avoid poor visibility</li> <li>- Use proper safety signals</li> <li>- Keep safety signals visible</li> <li>- Use proper safety alarms</li> <li>- Avoid false alarms</li> <li>- Use proper safety procedures</li> <li>- Follow all safety rules</li> <li>- Use proper safety equipment</li> <li>- Avoid unsafe practices</li> <li>- Use proper safety techniques</li> <li>- Keep safety techniques up to date</li> <li>- Use proper safety knowledge</li> <li>- Avoid lack of knowledge</li> <li>- Use proper safety training</li> <li>- Follow all safety instructions</li> <li>- Use proper safety equipment</li> <li>- Avoid unsafe practices</li> <li>- Use proper safety techniques</li> <li>- Keep safety techniques up to date</li> <li>- Use proper safety knowledge</li> <li>- Avoid lack of knowledge</li> <li>- Use proper safety training</li> </ul>	1L
5. Conduct Inspection	Missed inspection points, Non-compliance	3H	<ul style="list-style-type: none"> <li>- Conduct thorough inspection</li> <li>- Check all inspection points</li> <li>- Verify compliance</li> <li>- Document inspection results</li> <li>- Report any issues</li> <li>- Take corrective action</li> <li>- Re-inspect as needed</li> <li>- Keep inspection records</li> <li>- Use proper inspection tools</li> <li>- Follow inspection schedule</li> <li>- Avoid shortcuts</li> <li>- Use proper inspection techniques</li> <li>- Keep inspection area clear</li> <li>- Use proper communication</li> <li>- Ensure all workers are trained</li> <li>- Use proper safety equipment</li> <li>- Avoid distractions</li> <li>- Use proper footing</li> <li>- Keep hands free</li> <li>- Use proper body mechanics</li> <li>- Avoid sudden movements</li> <li>- Use proper grip</li> <li>- Keep eyes on the task</li> <li>- Use proper posture</li> <li>- Avoid fatigue</li> <li>- Use proper breathing techniques</li> <li>- Keep hydrated</li> <li>- Use proper rest breaks</li> <li>- Avoid alcohol and drugs</li> <li>- Use proper safety protocols</li> <li>- Follow all safety instructions</li> <li>- Use proper safety equipment</li> <li>- Avoid unsafe practices</li> <li>- Use proper safety techniques</li> <li>- Keep safety techniques up to date</li> <li>- Use proper safety knowledge</li> <li>- Avoid lack of knowledge</li> <li>- Use proper safety training</li> </ul>	1L
6. Load Materials	Overloading, Load instability	4A	<ul style="list-style-type: none"> <li>- Distribute load evenly</li> <li>- Use proper stacking techniques</li> <li>- Avoid overloading</li> <li>- Secure loads properly</li> <li>- Use proper lifting techniques</li> <li>- Keep work area clear</li> <li>- Use proper communication</li> <li>- Ensure all workers are trained</li> <li>- Use proper safety equipment</li> <li>- Avoid distractions</li> <li>- Use proper footing</li> <li>- Keep hands free</li> <li>- Use proper body mechanics</li> <li>- Avoid sudden movements</li> <li>- Use proper grip</li> <li>- Keep eyes on the task</li> <li>- Use proper posture</li> <li>- Avoid fatigue</li> <li>- Use proper breathing techniques</li> <li>- Keep hydrated</li> <li>- Use proper rest breaks</li> <li>- Avoid alcohol and drugs</li> <li>- Use proper safety protocols</li> <li>- Follow all safety instructions</li> <li>- Use proper safety equipment</li> <li>- Avoid unsafe practices</li> <li>- Use proper safety techniques</li> <li>- Keep safety techniques up to date</li> <li>- Use proper safety knowledge</li> <li>- Avoid lack of knowledge</li> <li>- Use proper safety training</li> </ul>	2M

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7. Guardrail Maintenance	Wear and degradation, Improper repairs	3H		1L
8. Conduct Safety Drills	Poor response time, Inadequate training	2M		1L
9. Supervise Guardrail Area	Inattentive monitoring, Unauthorized access	3H		2M

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10. Review Contractor Compliance	Non-adherence to safety protocols, Unauthorised workarounds	3H		1L
11. Decommission Guardrails	Collapse risk, Injury during deconstruction	4A		2M
12. Transport Guardrails	Improper handling, Transport damage	3H		1L

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13. Document Evaluation	Incomplete documentation, Data loss	2M		1L
14. Conduct a Final Audit	Audit non-conformance, Unresolved issues	3H		1L
15. Feedback and Improvement Plan	Neglected feedback, Ineffective improvements	2M		1L

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16. Worker Training	Inadequate training, Outdated information	3H		1L
17. Monitor Work Environment	Unidentified hazards, Environmental changes	3H		1L
18. Emergency Preparedness	Delayed responses, Lack of resources	3H		2M



[illegible]

## 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.