

Guard	Irail Installation Risk Asses	ssment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Ema.	
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 ensu	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 Iv			



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 efficive	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 RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
1. Preparation	Slips, trip hazards, unprepared worksites, inadequate training techniques, incomplete safety gear preparation, incorrect tools usage, unforeseen weather conditions, ground instability, incomplete hazard assessment, communication breakdown, improper documentation, worksite inaccessibility, inaccurate measurement, inadequate transportation facilities, lack of environmental considerations, potential delays and schedule mismanagement, cluttered workspace, fatigue, critical information gaps, material mismanagement, worker unfamiliarity, misplaced confidence, poorly maintained tools, landscape misinterpretation, emergency unpreparedness, oversight of local fauna., initialRisk:"3H"	зн	- Conduct site inspection and hazard identification - Ensure all workers are trained in safety proceds - Check weather conditions and plan for contraction - Confirm all safety gear is present and properly ourn - Use only approved tools and a quipment - Maintain clear construction or ninels among work as - Conduct a through risk an essmit and upon regularly - Secure site an ess and as ess areas - Ensure III documentation ogistics for materials and equipment - Respense very meent or egulations and site-specific guidelines	2M
2. Site Setup	Electrical hazards, ose d initialRisk:"3H"	3H	Secure electrical connections by a licensed electrician - move any loose debris from the work area Install protective coverings over electrical outlets - Conduct regular site inspections for potential hazards - Use signage to warn of electrical hazards - Ensure proper grounding of all electrical equipment - Implement lockout/tagout procedures where necessary - Train workers on electrical safety protocols - Use insulated tools and equipment - Standardize emergency response plans for electrical incidents	2M
3. Delivery of Materials	Manual handling injuries, vehicle accidents, initialRisk:"3H"	ЗН	- Use mechanical aids for lifting heavy materials - Train workers on safe lifting techniques - Ensure all delivery drivers are licensed and trained - Implement traffic management plans - Conduct regular vehicle maintenance checks - Use high-visibility clothing for workers involved	1L



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			- Provide clear communication signals for vehicle operators	
			- Institute designated delivery zones	
			- Engage spotters as required	
			- Follow safe unloading procedures to avoid unifted loads	
4. Installation of scaffolding	Falls from height, unstable scaffolding, initialRisk:"4A"	4A		2M
5. Marking out guardrail positions	Line marking errors, measuring inaccuracies, initialRisk:"2M"	1L		1L
6. Drilling and securing posts	Hearing damage, flying debris, initialRisk":"3H"	3H		2M



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SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
7. Guardrail assembly	Pinch points, unsafe assembly processes, initialRisk":"3H"	3H		2M
8. Fixing guardrails into position	Incorrectly secured rails, manual handling injuries, initialRis	ЗН		2M
9. Safety net installations	Falls from height, entanglement, initialRisk":"4A"	2M		1L



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SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
10. Inspection and testing	Structural integrity failures, incomplete checks, initialRisk":"3H"	3H		1L
11. Site cleanup	Trip hazards, unidentified waste, initialRisk":"3H"	2M		1L
12. Review and closeout	Incomplete documentation, missed hazards, initialRisk":"2M"	2M		1L



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
13. Demobilisation of equipment	Equipment damage, logistical failings, initialRisk":"3H"	3Н		2M
14. Environmental rehabilitation	Soil erosion, water pollution, initialRisk":"3H"	ЗН		2M
15. Worker De- mobilisation	Fatigue, incomplete handovers, unclear demobilisation policy comprehension amongst workers, delayed worker evaluations, incorrect personal	3H		1L



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	belongings management, incomplete paperwork related to worker movements, skills mismatch in reassignment, personal item misplacement, inadequate stress management, potential welfare neglect, suboptimal worker comfort assessment, inefficient travel arrangements, shift mismanagement, possible cross-contamination among belongings, missed opportunities for workforce feedback, delay in recreational leave processing, potential grievances due to mishandling, disregarded worker preferences in future reassignments, errors in tailored communications, missed performance appraisals, mismanaged expectations around next assignments, independent contractor misunderstandings, variable confidence during transition, initialRisk":"3H"	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL
16. Final Sign-off	Non-compliance with standards all errors, initialRisk"."3H"	ЗН		1L
17 Post-Operation Monitoring	Delayed recognition of jeopardizing factors, insufficient crisis readiness	3H		1L



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SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
	immediately after closure, initialRisk":"3H"			



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 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

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 affety gulations 2017

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

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des on actice VI autps://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