

Straddle	Carrier Operation Risk As	sessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Emai	
THIS RISK ASSESSM	MENT IS APPROVED BY THE PC	BU ON TO PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a pis prepared before the proposed work starts.	person conducting a busine or u	ndertaking PCBLL required to ensu	re that a RISK ASSESSMENT
Full Name:			
Signature:		ritle:	Date:
CLY	OR PRICE LCO. TRACTOR	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 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 predesign the activity before proceeding. A Safe Work
	Method Statement (SWMS) or hit er-level authorisation is required.
3H	Review and approve additional controls to the last arts. Senior supervisor sign-off needed.
2M	Ensure all nominated controls are in prace and efficiency roceed with caution; monitor conditions.
1L	Proceed, following standard operating procedures. Monitor 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
ivioderate	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
- 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 familiarisation with equipment, Failure to assess work area	3H	- Conduct training and familiarisation sessions for all operators - Perform a comprehensive site risk assessment - Ensure clear communication channels follow team members - Prepare and review operational procedures - Verify competency and certification of operators - Check weather conditions provide operation - Inspect the strand cannot for decits - Confirm rand communication devices are frequently - Set of clear by indaring around the operational area - Control pre-strangeeting with the operational team	2M
2. Pre-Operational Checks	Equipment malfunction, Communication failure	31	- Perfor equipment purstart checks - st allopatron stems for functionality Verify of functionality of communication systems - spect hydraulic systems for leaks or damage - Ensure all safety devices are operational - Validate emergency stop functions - Confirm there are no structural damages - Check fluid levels and top up as necessary - Conduct a checklist review before operation - Wear appropriate PPE such as helmets and reflective vests	1L
3. Accessing the Straddle Carrier	Slips, trips, and falls, Improper use of ladders	3H	- Use designated access points and ensure they are clear - Maintain three points of contact when climbing - Inspect access ladders and platforms for defects - Remove any obstacles from access areas - Wear non-slip footwear - Ensure ladders comply with Australian Standards - Provide adequate lighting in access areas - Install handrails on both sides of steps	2M



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			- Clearly mark any step edges or changes in height	
			- Conduct training on safe access procedures	
4. Starting the Straddle Carrier	Control failure, Unexpected movement	3H		2M
5. Manoeuvring the Carrier	Collision with structures, Human error	4A		2M
6. Lifting Operations	Overload, Equipment failure	4A		3Н



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7. Lowering Operations	Uncontrolled descent, Pinch points	3Н		2M
8. Parking the Carrier	Runaway carrier, u ed use	3H		1L
9. Refuelling Operations	Fuel spills, Fire hazard	4A		2M



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10. Maintenance and Repairs	Exposure to hazardous materials, Hands caught in moving parts	зн		1L
11. Emergency Procedures	Delayed response, Inadequate preparedness	4A		2M
12. Communication Practices	Miscommunication, Language barriers	ЗН		1L



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13. Shift Change Protocols	Incomplete task handover, Fatigue	зн		2M
14. Weather Considerations	Poor visibility, Strong with	4A		3H
15. Environmental Protocols	Pollution, Noise disturbance	3Н		1L



RISKS RESIDUA RISK



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/legislation

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 Infety gulations 2017

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

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des on actice VI autros://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