

## Operating Multi Axle Trucks 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 & 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	Inadequate training, Lack of site assessment	3H	<ul style="list-style-type: none"> <li>- Conduct thorough training sessions for all operators</li> <li>- Perform site-specific risk assessment prior to operations</li> <li>- Review transportation routes for potential hazards</li> <li>- Ensure competency checks are conducted regularly</li> <li>- Provide operators with necessary certifications</li> <li>- Establish clear communication channels</li> <li>- Develop emergency response protocols</li> <li>- Maintain updated records of training</li> <li>- Implement a buddy system for inexperienced operators</li> <li>- Ensure operators understand vehicle specifications</li> </ul>	2M
2. Pre-start Inspection	Vehicle malfunction, Missing safety equipment	4H	<ul style="list-style-type: none"> <li>- Perform daily vehicle checks before departure</li> <li>- Ensure all safety equipment is present</li> <li>- Check fluid levels and refill if necessary</li> <li>- Inspect tyres for wear and correct pressure</li> <li>- Verify operational status of lights and indicators</li> <li>- Confirm brake system functionality</li> <li>- Look for any visible damage to the vehicle</li> <li>- Record inspection findings in a logbook</li> <li>- Report and rectify any defects immediately</li> <li>- Secure loose items within the cab</li> </ul>	2M
3. Loading Cargo	Overloading, Improper load securing	4A	<ul style="list-style-type: none"> <li>- Use a weighbridge to verify load weight</li> <li>- Adhere to manufacturer load limits</li> <li>- Ensure centre of gravity is balanced</li> <li>- Use appropriate load restraining equipment</li> <li>- Conduct visual inspections post-loading</li> <li>- Train operators on load restraint procedures</li> <li>- Install signage regarding load limits</li> <li>- Regularly review load securing techniques</li> </ul>	2M

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			<ul style="list-style-type: none"> <li>- Rotate staff to avoid fatigue during loading</li> <li>- Implement supervision during loading operations</li> </ul>	
4. Driving	Driver fatigue, Adverse weather conditions	4A	<ul style="list-style-type: none"> <li>- Implement a strict driver rotation schedule to ensure no driver exceeds 4 hours of continuous driving.</li> <li>- Monitor weather conditions and have a contingency plan for adverse weather, including stopping operations if necessary.</li> <li>- Ensure all drivers are properly trained and licensed for the vehicle and terrain.</li> <li>- Conduct regular vehicle maintenance checks to ensure optimal performance.</li> <li>- Use fatigue management techniques, such as taking short breaks and staying hydrated.</li> <li>- Implement a strict no-alcohol policy for all drivers.</li> <li>- Ensure all drivers are well-rested before starting their shift.</li> <li>- Use real-time weather monitoring systems to receive alerts for changing conditions.</li> <li>- Have a designated driver for emergency situations.</li> <li>- Conduct pre-trip safety checks to ensure the vehicle is in good condition.</li> <li>- Implement a strict speed limit policy based on road conditions.</li> </ul>	2M
5. Unloading Cargo	Unbalanced loads, Falling objects	4A	<ul style="list-style-type: none"> <li>- Use proper unloading techniques, ensuring loads are evenly distributed and secured.</li> <li>- Implement a strict protocol for securing loads to prevent shifting or falling.</li> <li>- Use appropriate equipment, such as cranes or hoists, for heavy lifting.</li> <li>- Ensure all personnel are trained in safe unloading procedures.</li> <li>- Conduct regular inspections of cargo to ensure it is properly secured.</li> <li>- Use safety barriers or netting to catch any falling objects.</li> <li>- Implement a strict no-standby policy during unloading operations.</li> <li>- Ensure all personnel are wearing appropriate PPE, including hard hats and safety glasses.</li> <li>- Use load monitoring systems to detect any imbalance or shifting.</li> <li>- Have a designated person to oversee the unloading process.</li> <li>- Conduct pre-unloading checks to ensure the cargo is properly secured.</li> <li>- Implement a strict speed limit policy for vehicles during unloading.</li> </ul>	2M
6. Post-operation Check	Component wear, Residual hazardous materials	3H	<ul style="list-style-type: none"> <li>- Conduct a thorough inspection of the vehicle and equipment for any signs of wear or damage.</li> <li>- Implement a strict protocol for handling and disposing of any residual hazardous materials.</li> <li>- Use appropriate PPE, including gloves and eye protection, when handling hazardous materials.</li> <li>- Ensure all personnel are trained in safe handling procedures.</li> <li>- Conduct regular maintenance checks on all components.</li> <li>- Use leak detection systems to identify any leaks or spills.</li> <li>- Implement a strict no-smoking policy in areas where hazardous materials are present.</li> <li>- Ensure all personnel are wearing appropriate PPE, including hard hats and safety glasses.</li> <li>- Use spill containment equipment to prevent leaks or spills from spreading.</li> <li>- Have a designated person to oversee the post-operation check.</li> <li>- Conduct pre-check checks to ensure the vehicle and equipment are in good condition.</li> <li>- Implement a strict speed limit policy for vehicles during post-operation checks.</li> </ul>	1L

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7. Maintenance	Engine failure, Hydraulic system leaks	3H		1L
8. Communication	Misunderstood instructions Communication device failure	4A		2M
9. Emergency Response	Delayed response, Lack of coordination	4A		2M

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			<div></div> <div></div> <div></div> <div></div> <div></div>	
10. Fueling	Fuel spills, Fire hazards	4A	<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>	2M
11. Refuelling	Fuel leaks, Explosive atmosphere	4A	<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>	2M
12. Maintenance and Repairs	Faulty repairs, Equipment misuse	3H	<div></div> <div></div> <div></div> <div></div>	2M

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13. Hazardous Material Handling	Chemical exposure, Spillage	4A		2M
14. Night Operations	Poor visibility, Increased fatigue	4A		2M
15. Environmental Impact	Pollution, Wildlife disturbance	4A		2M

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			<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>	

SAMPLE

## 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) Regulation 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.