

Front-End	d Loader Operation Risk As	ssessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Emai	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PC	BU OI ' 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:		ıtle:	Date:
CL	OR PRICING CO. TRACTOR I	DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project In.			

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 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. Eliminate
- 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	Wrong PPE use, Inadequate training	3H	<ul> <li>Ensure all operators are wearing appropriate PPE Lofore entering the work area</li> <li>Verify certification and competencies of all operators for the front-end loader</li> <li>Conduct a toolbox talk to outline the day's activities and actential risks</li> <li>Review site rules and procedures with all teachers pers</li> <li>Establish emergency protocols and ensure they be communificated</li> <li>Implement a buddy system for new or inexperience or partors</li> <li>Provide refreshor anniholor operators where necessary</li> <li>Ensure contradiction decreases are negative, and distributed among team members</li> <li>Contract a waveround adentify any conhazards</li> <li>Ensure a safety or nage is clearly visible on site</li> </ul>	2M
2. Conduct Pre-Start Check	Mechanical failure, Flui	3)	- Complete prostart chacklist for the front-end loader  - spect I fluid cycls, hoses, and connections  - Test and arational controls for functionality  - vamine tyres for damage or pressures that are too low  - Check for any visible signs of wear or fatigue in machinery  - Ensure all safety features such as seat belts and alarms are functioning  - Report and tag out any defects or issues immediately  - Maintain regular scheduling of services in accordance with manufacturer's specification  - Verify updated maintenance log is present in the loader  - Keep a spill kit accessible near the loader location	2M
3. Mount Loader	Slips and trips, Unstable mount	2M	- Use handrails and steps provided on the loader for mounting - Wear non-slip footwear to reduce slip hazard - Face the machine while climbing to maintain three points of contact - Clear all debris or obstacles around mounting area - Use a step stool if necessary for safe access - Ensure area around loader is well-lit and visible - Conduct regular housekeeping to maintain safe access points - Educate workers on safe mounting procedures	1L



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			<ul> <li>Ensure any access aids are inspected regularly</li> <li>Avoid climbing during adverse weather conditions</li> </ul>	
4. Start Machine	Unexpected movements, Starting malfunction	3H		2M
5. Navigate Workspace	Obstructions, Pod risibility	ЗН		2M
6. Load Materials	Overloading, Material spill	ЗН		2M



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7. Transport to Site	Falling load, Rollover risk	4A		3H
8. Unload Materials	Load shift, Personic , zone	зн		2M
9. Fuel the Loader	Fuel spills, Fire hazard	зн		2M



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10. Shutdown Process	Improper shutdown, Residual energy hazards	3H		2M
11. Inspect Post- Operation	Unnoticed damage, Contamination hazards	2M		1L
12. General Housekeeping	Slip, trips and falls, Falling objects	2M		1L



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13. Maintenance Scheduling	Unscheduled downtimes, Inspection oversight	ЗН		2M
14. Emergency Procedures	Panic during an emerger Miscommunication	ЗН		2M
15. Post-Project Decommissioning	Residual contamination, Equipment failure	2M		1L



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#### **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

 $\underline{\textbf{Legislation QLD:}} \ \underline{\textbf{https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws}}$ 

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/legislatide

Codes of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis codes-of ractions of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis codes-of-ractions-of-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\_lation

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 afety gulations 2017

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

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les on actice VI atps://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: <a href="https://www.commerce.wa.gov.au/worksafe/legislation">https://www.commerce.wa.gov.au/worksafe/legislation</a> Codes of Practice WA: <a href="https://www.commerce.wa.gov.au/worksafe/codes-practice">https://www.commerce.wa.gov.au/worksafe/codes-practice</a>

#### 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