

## Mulcher Tractor Mounted Risk Assessment

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

### THIS RISK ASSESSMENT IS APPROVED BY THE PCBU ON THE 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.	Isolation 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>	
<b>Risk Rating &amp; Required Action:</b>								<b>Notes on Hierarchy of Controls:</b>	
4A 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.								Remember to apply controls in the preferred order shown by the coloured pyramid:	
3H Review and approve additional controls before task starts. Senior supervisor sign-off needed.								1. <b>Eliminate</b>	
2M Ensure all nominated controls are in place and effective. Proceed with caution; monitor conditions.								2. Substitute	
1L Proceed, following standard operating procedures. Monitor and keep records.								3. Isolate	
								4. Engineering	
								5. Administrative	
								6. PPE	
<b>Consequence Scale:</b>								Always document <b>why</b> a lower-order control is accepted if elimination or substitution is not reasonably practicable.	
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				
								<i>aligned with Safe Work Australia's Managing the risk of fatigue at work (2023) and ISO 45001:2018 clauses 6–8.</i>	

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 planning, Lack of PPE	3H	<ul style="list-style-type: none"> <li>- Conduct a thorough job safety analysis before commencing work</li> <li>- Ensure all operators have appropriate training and competencies</li> <li>- Check weather conditions to avoid wet and slippery environments</li> <li>- Verify the safety of the worksite layout and machinery paths</li> <li>- Conduct a machinery pre-start checklist</li> <li>- Ensure all operators wear full PPE including eye and ear protection</li> <li>- Establish communication protocols among all team members</li> <li>- Ensure emergency procedures are outlined and understood</li> <li>- Designate a safety officer to oversee all operations</li> <li>- Obtain necessary work permits and approvals as needed</li> </ul>	1L
2. Transport to Site	Overloading transport vehicle, Vehicle accident	3H	<ul style="list-style-type: none"> <li>- Use a suitably rated vehicle for transport</li> <li>- Secure the load and equipment properly to prevent shifting</li> <li>- Verify weight limits and adjust load balance as necessary</li> <li>- Conduct routine vehicle maintenance checks before transport</li> <li>- Ensure the driver is licensed and medically fit for driving</li> <li>- Plan the route to avoid high traffic and pedestrian areas</li> <li>- Use a pilot car if the load exceeds standard dimensions</li> <li>- Limit driving to daylight hours to avoid low visibility conditions</li> <li>- Ensure all loads are flagged and signposted as required</li> <li>- Implement strict scheduling to avoid driver fatigue</li> </ul>	2M
3. Site Entry	Unauthorized site entry, Site congestion	3H	<ul style="list-style-type: none"> <li>- Implement access control measures like security checks</li> <li>- Conduct a site induction for all personnel</li> <li>- Limit entry points to control vehicle flow</li> <li>- Have a traffic management plan in place</li> <li>- Use clear signage for directions and entries</li> <li>- Assign a guide for vehicles entering the site</li> <li>- Implement a safety briefing to highlight current hazards</li> <li>- Use cameras or spotters where visibility is restricted</li> </ul>	1L

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			<ul style="list-style-type: none"> <li>- Keep entryways clear of obstructions and materials</li> <li>- Maintain a logbook for vehicle and personnel entries</li> </ul>	
4. Unloading Equipment	Manual handling injuries, Equipment falling	3H	<ul style="list-style-type: none"> <li>- Use proper lifting techniques</li> <li>- Use equipment to assist with lifting</li> <li>- Ensure equipment is properly secured</li> <li>- Use proper tie-down techniques</li> <li>- Use proper stacking techniques</li> <li>- Use proper unloading techniques</li> <li>- Use proper storage techniques</li> <li>- Use proper disposal techniques</li> <li>- Use proper recycling techniques</li> <li>- Use proper disposal techniques</li> <li>- Use proper recycling techniques</li> </ul>	1L
5. Assembly and Setup	Incorrect assembly, Pinching hazards	3H	<ul style="list-style-type: none"> <li>- Use proper assembly techniques</li> <li>- Use proper setup techniques</li> <li>- Use proper safety techniques</li> <li>- Use proper maintenance techniques</li> <li>- Use proper repair techniques</li> <li>- Use proper inspection techniques</li> <li>- Use proper testing techniques</li> <li>- Use proper calibration techniques</li> <li>- Use proper adjustment techniques</li> <li>- Use proper alignment techniques</li> <li>- Use proper leveling techniques</li> </ul>	2M
6. Operator Training	Lack of competency, Misinterpretation of controls	4A	<ul style="list-style-type: none"> <li>- Provide proper training</li> <li>- Use proper safety techniques</li> <li>- Use proper maintenance techniques</li> <li>- Use proper repair techniques</li> <li>- Use proper inspection techniques</li> <li>- Use proper testing techniques</li> <li>- Use proper calibration techniques</li> <li>- Use proper adjustment techniques</li> <li>- Use proper alignment techniques</li> <li>- Use proper leveling techniques</li> <li>- Use proper safety techniques</li> </ul>	1L

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7. Pre-Operation Inspection	Equipment malfunction, Fluid leaks	3H		2M
8. Operating	Contact with blades, etc. or rollover	4A		2M
9. Maintenance and Repairs	Unexpected equipment start-up, Chemical exposure	4A		1L

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10. Post-Operation Checks	Overlooking faults due to fatigue, Data entry errors	3H		2M
11. Refueling	Fuel spillage, Fire risk	4A		2M
12. Clean-Up	Chemical exposure, Slips and trips	3H		2M

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13. Lockout/Tagout Verification	Unintended activation, Accidental lock removal	4A		1L
14. Demobilisation	Equipment damage during demobilisation, Strain injury	3H		2M
15. Transportation from Site	Load shift during transit, Road accidents	4A		2M

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			<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>	
16. Storage of Equipment	Improper storage leading to equipment damage, Theft	3H	<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>	1L
17. Review and Feedback	Missed learnings, Poor communication	2M	<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>	1L
18. Documentation and Reporting	Data inaccuracy, Loss of records	2M	<div></div> <div></div> <div></div>	1L



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19. Contingency Planning	Poor crisis management, Insufficient resources	3H		1L
20. Decommissioning	Environmental damage, Health risks due to residual hazards	3H		1L

## 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.