

Motorised Auger 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			Elimination Remove the hazard.	
LIKELY	2 MODERATE	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4A ACUTE	DO NOT PROCEED	Substitution 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.	Engineering Isolate the hazard	
RARE	1 LOW	1 LOW	2 MODERATE	3 HIGH	3 HIGH	1L LOW	Monitor and keep records.	Administrative Change	
								PPE	
Risk Rating & Required Action:								Notes on Hierarchy of Controls:	
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. Eliminate	
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	
Consequence Scale:								Always document why 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				
								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	Slip due to wet surface, Tripping over tools	3H	<ul style="list-style-type: none"> - Ensure all surfaces are dry and clear before use. - Organise tools neatly away from walkways. - Conduct a pre-use safety briefing with all team members. - Signpost any potential hazardous areas clearly. - Wear appropriate non-slip footwear. - Ensure all staff are trained in using auger equipment safely. - Use personal protective equipment as necessary. - Conduct a visual inspection of the work area before starting. - Ensure adequate lighting is available. - Establish contact with local emergency responders. 	2M
2. Equipment Check	Faulty equipment, Electrical malfunction	3H	<ul style="list-style-type: none"> - Perform regular maintenance checks. - Inspect power cables for damage prior to use. - Ensure safety guards are functioning. - Use only the equipment approved by the manufacturer. - Ensure maintenance logs are current and accessible. - Replace any damaged parts immediately. - Engage qualified personnel for equipment inspection. - Use a checklist for equipment condition verification. - Label and remove any faulty equipment from service. - Ensure operators have knowledge of emergency shutdown procedures. 	1L
3. Site Setup	Inadequate space, Overhead hazards	3H	<ul style="list-style-type: none"> - Define the work area and mark with barriers. - Check for overhead power lines or structures. - Conduct a site survey before setup. - Use signage to warn of the workspace. - Keep workspace free from obstructions. - Ensure proper space for equipment and personnel movement. - Communicate with team about setup time and space usage. - Ensure all personnel are aware of their positions and roles. 	2M

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			<ul style="list-style-type: none"> - Mark and report any overhead hazards. - Utilise spotters when moving equipment. 	
4. Loading Auger	Lifting injuries, Crushing from dropped parts	4A	<ul style="list-style-type: none"> - Ensure all lifting operations are planned and supervised by a competent person. - Use appropriate lifting techniques and equipment. - Ensure all personnel are trained and qualified to perform lifting tasks. - Establish clear communication protocols between the operator and spotter. - Inspect all lifting equipment before use. - Avoid overloading lifting equipment. - Keep work area clear of obstacles. - Use proper tie-off techniques when securing loads. - Never stand under suspended loads. - Use hand signals or radios for communication. - Stop work immediately if anything appears unsafe. 	2M
5. Connecting Power Source	Electric shock, Fire	4A	<ul style="list-style-type: none"> - De-energize and lockout/tagout the power source before working on it. - Verify that the power is off using a voltage tester. - Wear appropriate PPE, including insulated gloves and tools. - Follow manufacturer's instructions for connecting the power source. - Avoid contact with live electrical components. - Keep fire extinguishers nearby and ensure they are accessible. - Do not smoke or use open flames near the power source. - Post warning signs to alert others of the work being performed. - Have a rescue plan in place in case of an emergency. 	2M
6. Test Run	Equipment malfunction, Unintended movement	3H	<ul style="list-style-type: none"> - Perform a visual inspection of the equipment before starting the test run. - Ensure all safety guards are in place and functioning. - Start the test run at a low speed initially. - Monitor the equipment closely during the test run. - Stop the test run immediately if any unusual sounds, vibrations, or movements occur. - Investigate the cause of any issues before continuing. - Repeat the test run as needed until the equipment operates correctly. 	1L

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7. Auger Operation	Entanglement, High noise levels	4A		2M
8. Monitoring and Adjustment	Unexpected machine movement, Control failure	3H		1L
9. Shutdown	Residual power, Hot surfaces	3H		1L

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10. Cleaning and Maintenance	Chemical exposure, Sharp tools	4A		2M
11. Storage	Incorrect stacking, Fire risk	3H		2M
12. Transportation	Unsecured load, Road accidents	4A		2M

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13. Unloading	Falling parts, Lifting injuries	4A		2M
14. Post-operation Inspection	Hidden faults, Misalignment	3H		1L
15. Long-term Maintenance	Wear and tear, Component failure	3H		1L

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16. Emergency Preparedness	Emergency response failure, Injury escalation	4A		2M
17. Staff Training	Insufficient training, Knowledge lapse	3H		1L
18. Communication	Miscommunication, Language barriers	3H		2M

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19. Operational Review	Overlooked hazards, Inefficiency	3H		1L
20. Documentation and Reporting	Data mismanagement, Non-compliance	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>

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>

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>

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.

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>

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