

Eye Hazards From Flying Debris 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				
								<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. Site Inspection	Flying debris from machinery, Dust particles	3H	<p>Conduct a thorough site walk to identify potential debris sources.</p> <p>Ensure all equipment is secured and maintained regularly.</p> <p>Install protective barriers where necessary.</p> <p>Review past incident reports to identify areas of concern.8. Schedule regular site inspections to maintain hazard awareness.10. Regular communication with team members about ongoing risks.12. Deploy warning signs in high-risk areas.10. Proper ventilation to reduce dust.</p> <p>Enhance training on inspection procedures for staff.</p> <p>Utilize dust suppression techniques like water sprays.7. Confirm adherence to PPE protocols for inspectors.14. Evaluate effectiveness of previous controls.8. Utilize technology such as drones for high-risk areas.9. Document any new risk factors identified.14. Rotate inspection duties among staff.3. Compare site findings to industry safety standards.10. Ensure robust reporting mechanisms.6. Maintain a checklist for consistent evaluations.13. Update safety data sheets for hazardous materials identified.5. Implement risk communication plans for findings.3. Avoid inspections during heavy machinery operations unless necessary.11. Engage employees in hazard identification processes.13. Conduct inspections during low activity periods to minimize risk.8. Encourage reports of new hazards from staff.2. Share assessment findings with all site personnel.9. Incorporate weather data in inspection planning.15. Conduct regular training sessions on hazard recognition.12. Ensure availability of first-aid kits during inspections.5. Verify function of dust extraction systems.11. Promptly address identified hazards.</p> <p>Reinforce the importance of logistics planning.</p> <p>Harness ongoing audits and inspections to refine safety measures.</p> <p>Reassess risk where situational changes occur.</p> <p>Integrate enhanced safety practices into operational demands.</p> <p>Compile actionable reports for enhanced safety.</p> <p>Design a feedback loop for continuous improvement.</p> <p>Ensure policies are context-sensitive and industry compliant.</p>	2M
2. Equipment Setup	Tool malfunction, Incorrect usage	3H	<p>Ensure all equipment operators are adequately trained.</p> <p>Perform pre-start checks on machinery.</p> <p>Correctly label and calibrate machinery controls.</p> <p>Maintain a defect log and immediately address faults.8. Schedule proactive maintenance checks regularly.9. Review equipment manuals annually.7. Assign only qualified operators for equipment setup.</p> <p>Implement a lockout/tagout protocol for repairs.</p> <p>Review current safety procedures periodically.10. Regularly update the hazard communication program.11. Document procedures and train staff on safety updates.15. Establish a connected communication line for equipment issues.13. Develop an emergency stop protocol that's well-practised.</p>	1L

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			<p>Ensure proper storage conditions for all equipment.8. Invest in high-quality, durable equipment and tools.10. Similar equipment should have uniform safety protocols.12. Focus on equipment areas that have shown prior issues.6. Initiate supplier quality checks periodically.</p> <p>Set accountability for equipment maintenance tasks.</p> <p>Secured storage improves equipment longevity.</p> <p>Centralize equipment management for oversight efficiency.</p> <p>Innovative solutions resolve persistent equipment issues.</p> <p>Consult industry experts on cutting-edge practices.</p> <p>Element 11 requires attention for management.</p> <p>Research third-party maintenance improvements.</p>	
3. Personal Protective Equipment (PPE) Allocation	Insufficient eye protection, PPE misuse	4A	<p>Provide mandatory eye protection for all on-site staff.</p> <p>Conduct training sessions on correct PPE usage.</p> <p>Regularly update PPE based on latest industry standards.</p> <p>Implement fit-testing for all eye protection gear.</p> <p>Enforce PPE policies with disciplinary measures if violated.4. Establish an auditing system to enforce PPE compliance.</p> <p>Educate staff on PPE significance routinely.8. Set up PPE stations in strategic locations.9. PPE should complement everyday protective wear.10. Ensure surplus PPE availability at all times.11. Maintain extensive records for PPE distribution quantities.</p> <p>Designate PPE supervisors for compliance monitoring.</p> <p>Identify PPE gaps through regular safety audits.</p> <p>Utilize feedback for continued PPE improvement.</p> <p>Generate PPE protocols with clear accountability.10. Address PPE barriers unique to each site.</p> <p>Set consistent PPE meetings to address non-compliance.</p> <p>Explore innovative PPE for extended protection.</p> <p>Highlight collaborative PPE conversations for trust.</p> <p>Adopt a forward-thinking PPE program cycle.</p>	2M
4. Designated Work Area Set-Up	Unauthorized personnel entry, Poor layout	2M	<p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>	1L

[illegible]

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7. Job Hazard Analysis (JHA)	Unidentified hazards, Inadequate analysis	4A		2M
8. Conducting Work Activities	Unexpected debris, Falls from unstable surfaces	4A		2M

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13. Training and Competency Verification	Skills gap, Outdated training materials	3H		2M
14. Cross-Team Coordination	Misaligned objectives, Overlapping roles	2M		1L

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15. Feedback and Continuous Improvement	Stagnation in practices, Resistance to change	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