

Mitigation Of Object Falling Risks 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	Uneven surfaces, Obstructions	3H	<ul style="list-style-type: none"> - Conduct a walk-through to identify potential hazards - Clear obstructions from the working area - Ensure pathways are marked and illuminated - Report uneven surfaces to management for repair - Use hazard signs to mark dangerous zones - Ensure adequate lighting throughout the site - Implement a schedule for regular inspections - Train workers to identify and report hazards - Ensure access to first aid kit - Establish emergency procedures in case of accident 	2M
2. Selection of Equipment	Incompatible tools, Faulty equipment	4H	<ul style="list-style-type: none"> - Select appropriate tools for the job - Ensure all equipment is certified and within inspection date - Perform pre-use checks on all equipment - Provide training on the operation of specific tools - Maintain equipment regularly and log inspections - Dispose of any faulty equipment immediately - Use equipment only for its intended purpose - Regularly update asset register with equipment details - Ensure all staff have access to operation manuals - Implement a tool calibration schedule 	2M
3. Equipment Setup	Misalignment, Unstable setup	4A	<ul style="list-style-type: none"> - Follow manufacturer's specifications for setup - Double-check setup alignment - Use stabilisers or supports as necessary - Conduct a trial run to test equipment stability - Train workers on proper setup procedures - Use protective barriers around equipment - Ensure ground or surface stability - Secure all equipment components tightly 	2M

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			<ul style="list-style-type: none"> - Assign a supervisor to verify setup - Use level indicators where applicable 	
4. Work Area Demarcation	Inadequate signage, Unauthorized access	3H	<ul style="list-style-type: none"> - Establish a safety perimeter around the work area - Use high-visibility safety tape to mark the perimeter - Post warning signs at all entrances to the work area - Assign a dedicated safety officer to monitor the perimeter - Use barriers or cones to restrict access to the work area - Ensure all personnel are aware of the work area boundaries - Conduct a safety briefing before starting work - Use clear communication to coordinate movements - Implement a stop-work protocol if unsafe conditions arise - Regularly inspect the work area for hazards - Maintain clear exit routes from the work area - Use appropriate lighting to ensure visibility - Establish a safe working distance from the work area - Use hand signals for communication - Implement a permit-to-work system - Use color-coded safety equipment - Conduct a risk assessment before starting work - Use fall protection when working at heights - Implement a lockout/tagout procedure - Use proper lifting techniques - Avoid overloading equipment - Use appropriate PPE (PPE) - Establish a safe working distance from the work area - Use hand signals for communication - Implement a permit-to-work system - Use color-coded safety equipment - Conduct a risk assessment before starting work - Use fall protection when working at heights - Implement a lockout/tagout procedure - Use proper lifting techniques - Avoid overloading equipment - Use appropriate PPE (PPE) 	2M
5. Lifting Operations	Boom failure, Inadequate load securing	4A	<ul style="list-style-type: none"> - Inspect the boom and lifting equipment before use - Use proper load securing techniques - Avoid overloading the boom - Use appropriate PPE (PPE) - Establish a safe working distance from the boom - Use hand signals for communication - Implement a permit-to-work system - Use color-coded safety equipment - Conduct a risk assessment before starting work - Use fall protection when working at heights - Implement a lockout/tagout procedure - Use proper lifting techniques - Avoid overloading equipment - Use appropriate PPE (PPE) - Establish a safe working distance from the boom - Use hand signals for communication - Implement a permit-to-work system - Use color-coded safety equipment - Conduct a risk assessment before starting work - Use fall protection when working at heights - Implement a lockout/tagout procedure - Use proper lifting techniques - Avoid overloading equipment - Use appropriate PPE (PPE) 	2M
6. Load Handling	Overloading, Slippage	4A	<ul style="list-style-type: none"> - Inspect the load and lifting equipment before use - Use proper load securing techniques - Avoid overloading the boom - Use appropriate PPE (PPE) - Establish a safe working distance from the boom - Use hand signals for communication - Implement a permit-to-work system - Use color-coded safety equipment - Conduct a risk assessment before starting work - Use fall protection when working at heights - Implement a lockout/tagout procedure - Use proper lifting techniques - Avoid overloading equipment - Use appropriate PPE (PPE) - Establish a safe working distance from the boom - Use hand signals for communication - Implement a permit-to-work system - Use color-coded safety equipment - Conduct a risk assessment before starting work - Use fall protection when working at heights - Implement a lockout/tagout procedure - Use proper lifting techniques - Avoid overloading equipment - Use appropriate PPE (PPE) 	2M

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7. Aerial Work	Falling objects, Insecure harnesses	4A		2M
8. Communication	Miscommunication, Late signing	3H		1L
9. Emergency Procedures	Delayed response, Panic	3H		1L

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10. Supervision and Monitoring	Non-compliance, Lack of oversight	3H		2M
11. Waste Disposal	Improper disposal, Environmental hazards	3H		1L
12. Worker Training and Induction	Inadequate knowledge, Unfamiliarity with site	4A		1L

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13. Personal Protective Equipment (PPE)	Wrong PPE usage, PPE failure	4A		2M
14. Work Schedule Planning	Overlapping tasks, Fatigue	3H		1L
15. Reporting and Record Keeping	Omission of hazards, Inaccurate records	3H		1L

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16. Maintenance of Work Environment	Cluttered areas, Insufficient lighting	3H		2M
17. Visitor Management	Unauthorised access, Lack of briefing	3H		1L
18. Transportation of Materials	Spillage, Collision	4A		2M

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			[REDACTED]	
			[REDACTED]	
			[REDACTED]	
			[REDACTED]	
			[REDACTED]	
			[REDACTED]	
			[REDACTED]	
			[REDACTED]	
19. Monitoring Weather Conditions	Unexpected weather changes, Exposure to elements	3H	[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]	2M
20. Health and Wellbeing Programs	Stress, Injury	3H	[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]	1L

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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) 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.