

Slipping On Loose Sand Risk Assessment

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

THIS RISK ASSESSMENT IS APPROVED BY THE PCBU ON THIS 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	4A ACUTE	DO NOT PROCEED	Elimination Remove the hazard.		
LIKELY	2 MODERATE	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE			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				<i>aligned with Safe Work Australia's Managing the risk of fatigue at work (2023) and ISO 45001:2018 clauses 6–8.</i>	
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					

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	Loose sand on walkway, Inadequate signage	3H	<ul style="list-style-type: none"> - Conduct a site visit to assess area for loose sand - Ensure adequate signage is in place to warn of slipping hazards - Implement a cleaning schedule to regularly clear loose sand - Provide training on hazard identification for workers - Create a risk assessment document for team awareness - Use anti-slip mats where feasible - Plan route to avoid sand-prone areas - Ensure cleanup equipment is accessible - Develop emergency response procedures - Monitor weather conditions that may exacerbate risks 	2M
2. Site Entry	Stepping on loose sand, Inadequate lighting	3H	<ul style="list-style-type: none"> - Install proper lighting to ensure visibility - Mark areas with high sand accumulation - Ensure employees wear appropriate footwear - Use barriers to block off high-risk areas - Conduct toolbox talks on site-specific hazards - Encourage slow and cautious walking - Provide accessibility options for those with mobility issues - Clearly demarcate pathways - Ensure security is briefed on slip risks - Initiate a buddy system for monitoring entry 	2M
3. Equipment Setup	Tripping over equipment, Equipment instability on loose sand	3H	<ul style="list-style-type: none"> - Set up equipment on stable ground - Use sand trays or boards to stabilize equipment - Inspect all equipment before use - Install warning signs near unstable sand areas - Conduct a quick risk assessment before commencing work - Ensure all cables are secured - Instruct personnel on correct equipment setup procedures - Use levelling devices for uneven surfaces 	1L

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			<ul style="list-style-type: none"> - Limit unnecessary movement around equipment - Mark equipment areas with visible non-slip materials 	
4. Material Handling	Dropping materials due to slippage, Back strain from unstable footing	3H	<p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>	2M
5. Construction Activity	Slips during movement, Impact from tools or materials	3H	<p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>	1L
6. Heavy Equipment Operation	Slipping in vehicle access paths, Equipment malfunction due to loose sand	4A	<p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>	2M

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7. Waste Management	Handling slippery waste, Spillage due to loose footing	3H		2M
8. Break Times	Rushing and slipping. Control around hazardous areas	2M		1L
9. Weather Considerations	Wet sand increasing slip risk, Wind blowing sand onto pathways	4A		2M

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10. Emergency Procedures	Injury during evacuation, Accessing emergency services in sandy areas	4A		1L
11. Inspections and Auditing	Missed hazards due to sand coverage, Delayed responses from safety team	3H		2M
12. Communication	Miscommunication leading to unsafe actions, Delayed awareness of hazard changes	3H		1L

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13. Cleanup Operations	Dust displacement causing falls, Improper waste disposal	3H		2M
14. Final Inspection	Overlooking residual sand, Final checks delayed due to weather	3H		1L
15. Review and Evaluation	Inefficient corrective measures, Inadequate feedback incorporation	3H		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.