

Се	ment Mixing Risk Assessm	nent	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Eme	
THIS RISK ASSESS	MENT IS APPROVED BY THE PC	BU ON Y PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a is prepared before the proposed work starts.	person conducting a busine or un	ndertaking, PCBU required to ensu	ire that a RISK ASSESSMENT
Full Name:			
Signature:		ritle:	Date:
CL		DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project New York			



				F	RISK MATRIX			
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE MA	JOR CATASTROPH			HIERARCHY OF CONTROLS	
ALMOST CERTAIN	3 HIGH	3 HIGH		4 4 JTE ACUTE	SCORE	ACTION	Elimination Remove the hazard.	
LIKELY	2 MODERATE	3 HIGH	U U U U U U U U U U U U U U U U U U U	4 4 JTE ACUTE	4A ACUTE	DO NOT PROCEED	Substitution Replace the hazard. Isolation	
POSSIBLE	1 LOW	2 MODERATE		4 JTE ACUTE	3H HIGH	Rev before work art	Isolate People from the hazard Engineering Isolate the	
UNLIKELY	1 LOW	1 LOW		3 Z GH ACU E	MC RATE	Ensure control measures in place.	Activité istrativ e Chang	
RARE	1 LOW	1 LOW		3 GH H. 1	1L LOW	Monitor and keep records.	PP	
4A Stop work. The risk is intolerable, minate the hazary redesign the activity before proceeding. A Safe Work						Notes on Hierarchy of Controls:         Remember to apply controls in the preferred order shown by the coloured pyramid:         1.       Eliminate         2.       Substitute         3.       Isolate         4.       Engineering         5.       Administrative         6.       PPE		
Consequence		injury/illness)	Project / Ass	Significant regula	pliance / Reputat ator intervention; c		Always document why a lower-order control is accepted if	
Catastrophic Major	Fatality or perma Serious injury/illr days)			wn prosecution	tice; major media		elimination or substitution is not reasonably practicable. aligned with Safe Work Australia's Managing the risk of fatigue at	
Moderate	Medical-treatmen	nt injury; lost-tim	e > 1 moderate dela	y Minor breach; ad	Work (2023) and ISO 45001:2018 clauses 6–8.           Minor breach; adverse client comment			
Minor	First-aid only, no	lost time	negligible dela	y Isolated non-con	formance			
	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. Site Inspection	uneven ground, restricted space	2M	<ul> <li>Conduct a site inspection prior to work commencement</li> <li>Mark uneven areas with hazard tape</li> <li>Use signs to indicate restricted areas</li> <li>Ensure adequate lighting in the work area</li> <li>Use appropriate personal protective equipment uPE) for site unditions</li> <li>Brief workers on potential site pecific hazards</li> <li>Keep non-essent personal a wy from the work area</li> <li>Review work te map and channing ucume</li> <li>Have first an site accurable on-site</li> <li>Doc the site component in a report.</li> </ul>	1L
2. Gathering Materials	musculoskeletal injury, meterials dropped	31	<ul> <li>Use michanical aids interam lifting for heavy materials</li> <li>Urganis imateries to minimise reach and lifting</li> <li>Ensure interials are stacked securely</li> <li>ise appropriate PPE such as gloves and boots</li> <li>Ausign roles and tasks to prevent crowding in material storage areas</li> <li>Conduct manual handling training for workers</li> <li>Implement maintenance checks for lifting aids</li> <li>Inspect materials for damage before use</li> <li>Provide adequate storage for materials to prevent falls</li> <li>Prepare materials list and ensure only necessary items are collected.</li> </ul>	2M
3. Mixing Equipment Setup	incorrect assembly, electrical hazards	ЗН	<ul> <li>Follow manufacturer's instructions for equipment assembly</li> <li>Conduct visual inspection of equipment for damages</li> <li>Ensure all electrical connections are dry and covered</li> <li>Use RCDs for electrical safety</li> <li>Train workers on equipment setup procedures</li> <li>Secure loose cables to prevent tripping</li> <li>Perform a test run of equipment in the presence of supervisors</li> <li>Inspect all moving parts for integrity</li> </ul>	2M



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			- Ensure powered equipment is not connected to power while setting up	
			- Position equipment on a flat, stable surface.	
4. Measuring Water	water spillage, slips and falls	2M		1L
5. Adding Cement	cement dust inhal upon, skin irritation	ЗН		2М
6. Mixing Process	overexertion, entanglement with equipment	ЗН		2М



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7. Transporting Mixed Cement	spillage, inadequate load securing	2M		1L
8. Pouring Cement	uneven pouring, sp.e.1	2M		1L
9. Cleaning Equipment	chemical exposure, injury from moving parts	ЗН		2M



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10. Waste Management	environmental contamination, trip hazards from misplaced waste	ЗН		2М
11. Emergency Procedures	incomplete evacuation, response de us	ЗН		2М
12. Post-Operation Review	missed hazards, inadequate documentation	2M		1L



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13. Tool Maintenance	tool failure, burns from hot parts	ЗН		2М
14. PPE Management	improper PPE usage, Physics and on	2М		1L
15. Team Communication	miscommunication, unclear task allocation	ЗН		2M



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#### **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.

	FERENCES					
RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGIS	SLATIVE REFERENCES ANY STATE AT ARE NOT APPLICABLE					
Queensland & Australian Capital Territory         Work Health and Safety Act 2011         Work Health and Safety Regulations 2011         Legislation QLD: <a href="https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws">https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws</a> Codes of Practice QLD: <a href="https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice">https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice</a> Legislation ACT: <a href="https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice">https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice</a> Codes of Practice ACT: <a href="https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice">https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice</a> Codes of Practice ACT: <a href="https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice">https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice</a>	Victoria Occupational Health and Safety Action 04 Occupational Health and Infettor gulations 2017 Legis from VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and- tulations</u> Codes of mactice VIC <u>enttps://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice</u>					
New South Wales         Work Health and Safety Act 2011         Work Health and Safety Regulations 2017         Legislation NSW: <a href="https://www.safework.nsw.gov.au/legal-obligations/legislatic">https://www.safework.nsw.gov.au/legal-obligations/legislatic</a> Codes of Practice NSW: <a href="https://www.safework.nsw.gov.au/resource-library/lls">https://www.safework.nsw.gov.au/legal-obligations/legislatic</a>	Western Australia Work Health and Safety Act 2020 Work Health and Safety Regulations 2022 Legislation Western Australia: <u>https://www.commerce.wa.gov.au/worksafe/legislation</u> Codes of Practice WA: <u>https://www.commerce.wa.gov.au/worksafe/codes-practice</u>					
Northern Territory Work Health and Safety (National Uniform Legislation) Act 2011 Work Health and Safety (National Uniform Legislation) Regulation 2011 Legislation NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/workslate-state</u>	Safe Work Australia Links Law and Regulation (All States): <u>https://www.safeworkaustralia.gov.au/law-and-regulation</u> Model Codes of Practice: <u>https://www.safeworkaustralia.gov.au/resources-publications/model- codes-of-practice</u>					
South Australia Work Health and Safety Act 2012 (SA) Work Health and Safety Regulations 2012 (SA) Legislation for SA: <u>https://www.safework.sa.gov.au/resources/legislation</u> Codes of Practice for SA: <u>https://www.safework.sa.gov.au/worf_aces/codes-of-practice#COPs</u>	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					
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: <a href="https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations">https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations</a> Codes of Practice for TAS: <a href="https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice">https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice</a>	<ul> <li>Weiting processes</li> <li>First aid in the workplace</li> <li>Managing the risk of falls at workplaces</li> <li>Hazardous manual tasks</li> <li>Managing the risk of falls in housing construction</li> <li>Managing electrical risks in the workplace</li> <li>Demolition work</li> <li>Excavation work</li> <li>Work health and safety consultation, cooperation and coordination</li> </ul>					
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.	<ul> <li>Managing the work environment and facilities</li> <li>How to manage work health and safety risks</li> <li>Managing risks of plant in the workplace</li> <li>Construction work</li> </ul>					