

Work With	Respirable Particles Risk	Assessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Emai	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PCI	BU ON PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a is prepared before the proposed work starts.	person conducting a busine or ur	ndertaking PCBU required to ensu	ire that a RISK ASSESSMENT
Full Name:			
Signature:		ritle:	Date:
CL	OR PRI, CIL L.CO. TRACTOR I	DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project New			



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
Risk Rating & Required Action:         4A       Stop work. The risk is intolerable, cominate the hazarc predesign the activity before proceeding. A Safe Work Method Statement (SWMS) or his er-level authorisatic is required.         3H       Review and approve additional controls the proceed with caution; monitor conditions.         2M       Ensure all nominated controls are in prace and efficience. Proceed with caution; monitor conditions.         1L       Proceed, following standard operating procedurer Monitor and keep records.         Consequence Scale:							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		Always document why a lower-order control is accepted if
Catastrophic Major	Fatality or perma Serious injury/illr days)			wn prosecution	Significant regulator intervention; criminal prosecution Improvement notice; major media coverage		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	Minor breach; adverse client comment		work (2023) and ISO 45001:2018 clauses 6–8.
Minor	First-aid only, no	lost time	negligible dela	y Isolated non-con	formance		
			no schedule	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	dust exposure, inhalation of particulates	ЗН	<ul> <li>Ensure proper signage is installed.</li> <li>Use dust suppression methods such as water urays prior to activity.</li> <li>Ensure all workers have completed training on hazards a sociated with respirable particles.</li> <li>Restrict access to only trained personnel.</li> <li>Conduct a safety briefing before starting work.</li> <li>Review the Material Safety D.C. Sheet (MSDS) for user utory particles.</li> <li>Ensure ventilation systemate in actioning property.</li> <li>Calibrate domonitoring unipmendeforemet.</li> <li>Maintain a class work comment.</li> <li>Ensure and work comment.</li> <li>Ensure and any comment are in place.</li> </ul>	2M
2. Equipment Inspection	equipment malfunction, leek of airborne particles	31	<ul> <li>Inspectrespectory prejective equipment before use.</li> <li>Inspectrespectory prejective equipment before use.</li> <li>Insure II filterence correctly fitted and functional.</li> <li>Chee Foldamage or wear in particle containment systems.</li> <li>Gegular maintenance checks on dust extraction systems.</li> <li>Use pressure gauges to detect leaks.</li> <li>Ensure regular inspection of seals and gaskets.</li> <li>Replace faulty equipment immediately.</li> <li>Ensure calibration of detection equipment.</li> <li>Keep an equipment maintenance log.</li> <li>Provide workers with adequate equipment training.</li> </ul>	1L
3. Application of Control Systems	ineffectiveness of dust controls, bypass of safety systems	4A	<ul> <li>Install high-efficiency particulate air (HEPA) filters.</li> <li>Use enclosures around dust-generating processes.</li> <li>Ensure all workers are trained in using machine controls.</li> <li>Conduct routine checks for system integrity.</li> <li>Never disable or bypass safety interlocks.</li> <li>Install alarms to alert of system malfunctions.</li> <li>Use automated systems to reduce human error.</li> <li>Clearly label all control systems.</li> </ul>	2М



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			- Ensure backup systems are functional.	
			- Maintain a regular audit schedule for control measures.	
4. Personal Protective Equipment Usage	improper fit, non-compliance with PPE use	ЗН		1L
5. Ventilation Systems Operation	failure of air flow, coosure to trapped particulates	44		2M
6. Cleaning and Maintenance	dust re-suspension, contamination through improper disposal	ЗН		<b>1</b> L

Version 2.5

Review #



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7. Emergency Procedures Training	panic in emergency, lack of knowledge on emergency equipment	2M		1L
8. Monitoring and Record Keeping	inaccuracy in data vilure to see the developments	зн		2M
9. Communication and Reporting	miscommunication of risks, failure to report health issues	ЗН		2М



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10. Regular Training and Awareness Programs	knowledge atrophy, carelessness due to complacency	2М		1L
11. Waste Management	improper waste segregation, exposu during handling of waste	ЗН		2М
12. Site Planning and Layout	poor layout leading to dust spread, inadequate space for safe operation	ЗН		1L



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13. Supervision and Enforcement	non-compliance with protocols, lack of enforcement leading to unsafe practices	ЗН		2M
14. Health Surveillance	undetected respiratory conditions delayed medical intervent	4A		2М
15. Review and Continuous Improvement	obsolescence of safety measures, resistance to change	ЗН		1L



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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.

LEGISLATIVE REF						
RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGISLATIVE 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: 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 Octopational Health an estate vice of a constraint of the second secon					
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/legislative">https://www.safework.nsw.gov.au/legal-obligations/legislative</a> Codes of Practice NSW: <a href="https://www.safework.nsw.gov.au/resource-library/lis">https://www.safework.nsw.gov.au/legal-obligations/legislative</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 2015 Legislation NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/weiplace-sector-laws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/formediatestations/compliance/weiplace-sector-laws</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/work_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 - Einst eid in the workplace					
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>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 eaferty consultation, construction 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>Work health and safety consultation, cooperation and coordination</li> <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>					