

Respirable Cryst	alline Silica Exposure Risk	Risk Assessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Eme	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PC	BU OF 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			



				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		
A       Stop work. The risk is intolerable, cominate the hazard predesign the activity before proceeding. A Safe Work Method Statement (SWMS) or hit er-level authorisatic is required.         3H       Review and approve additional corrols in prace and efficience what was and approve additional corrols in prace and efficience what with caution; monitor conditions.         1L       Proceed, following standard operating procedurer wonitor 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 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	lverse client comn	nent	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	inadequate PPE, incorrect setup	ЗН	<ul> <li>Ensure all personnel are trained on PPE usage</li> <li>Verify setup according to manufacturer guidetnes</li> <li>Conduct initial site inspection</li> <li>Use signage to indicate work area boundaries</li> <li>Implement a Job Safety Ann sis</li> <li>Regular toolbox meetings for nefing</li> <li>Ensure communication nerices in working</li> <li>Label all encoment corres</li> <li>Coprest risk setting new to work</li> <li>Kee, a unister set guipment</li> </ul>	2M
2. Equipment Inspection	equipment malfunction, incorrect operation		<ul> <li>Conduct precleart equipment checks</li> <li>School degular maintenance checks</li> <li>School degular maintenance checks</li> <li>Se equipment logs</li> <li>Oweck power supplies and connections</li> <li>Ensure operators are certified</li> <li>Report any defects immediately</li> <li>Ensure spare parts are available</li> <li>Implement a lockout/tagout system</li> <li>Maintain protective guards on equipment</li> </ul>	2M
3. Material Storage	dust generation, spillages	ЗН	<ul> <li>Store materials in sealed containers</li> <li>Label storage areas clearly</li> <li>Implement spill response procedure</li> <li>Use dust suppression techniques</li> <li>Isolate storage areas from high traffic</li> <li>Regularly inspect storage conditions</li> <li>Maintain spill kits on-site</li> <li>Enforce strict handling procedures</li> </ul>	1L



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			- Regular cleaning of storage areas	
			- Limit access to authorised personnel	
4. Handling and Mixing	dust exposure, skin contact	4A		2М
5. Cutting and Grinding	silica dust inhalatius, eye injury	4A		2М
6. Drilling Operations	silica dust, noise	4A		2M



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7. Demolition	structural collapse, dust clouds	4A		1L
8. Clean-up Procedures	re-suspension of out, improvements disposal	₿Н		1L
9. Transportation	material leaks, vehicle accidents	ЗН		2M



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10. Equipment Shutdown	unexpected energy release, incomplete shutdown	ЗН		1L
11. Disposal of Equipment	contamination, incomplete deactivat	ЗН		1L
12. Health Monitoring	undetected health issues, non- compliance with procedures	ЗН		1L



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13. Emergency Response	panic, inadequate response	ЗН		2M
14. Record Keeping	data loss, non-complian	2М		1L
15. Continuous Improvement	stagnation, failure to adapt	2M		1L



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16. Training and Induction	ill-prepared workers, knowledge gaps	ЗН		2M
17. Contractor Management	unfamiliar with site procedures, communication barriers	ЗН		2M
18. Communication	miscommunication, ineffective warnings	2M		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 RI	
RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGI	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: <u>https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws</u> Codes of Practice QLD: <u>https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice</u> Legislation ACT: <u>https://www.worksafe.act.gov.au/laws-and-compliance/acts-and-regulations</u> Codes of Practice ACT: <u>https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice</u>	Victoria Occupational Health as Safety Actor 04 Occupational Health and onfety or gulations 2017 Legis from VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and-outleters</u> outlaters to des on mactice VIC <u>extps://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/lis">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 2015 Legislation NT: https://worksafe.nt.gov.au/laws-and-compliance/worplace-sty-laws Codes of Practice NT: https://worksafe.nt.gov.au/f	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
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> </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>