

Sandb	plasting Machine Risk Asse	ssment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Emai	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PC	BU ON W 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:		ntle:	Date:
CLY		DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project N			



				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	
Risk Rating & Required Action:         4A       Stop work. The risk is intolerable, cominate the hazard predesign the activity before proceeding. A Safe Work Method Statement (SWMS) or hit er-level authorisation is required.         3H       Review and approve additional controls to compare and effective. Proceed with caution; monitor conditions.         2M       Ensure all nominated controls are imprace and effective. 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		eviation 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	Incorrect PPE selection, Inadequate training	ЗН	<ul> <li>Conduct a thorough job safety analysis before compencement</li> <li>Ensure all workers are provided with adequate valuing and certifications</li> <li>Select appropriate PPE including respirate ear protection, and protective suits</li> <li>Verify PPE fit and integrity before use</li> <li>Display safety signage above PPE requirements</li> <li>Schedule regular refresher tracing sessions for we perform the regular method of the workers</li> <li>Provide an induction process model of the workers</li> <li>Document or raining and the Eisstence</li> <li>Consist regularsafety equirements in tool box talk sessions</li> </ul>	2M
2. Equipment Inspection	Equipment malfunction, Faulty safety mechanisms		<ul> <li>Condul preveneration checks on all sandblasting equipment</li> <li>Surge I safe conechanisms are operational</li> <li>Regulationalintain and service equipment per manufacturer's guidelines</li> <li>Seep maintenance records up to date and onsite</li> <li>Train workers on identifying equipment faults</li> <li>Replace faulty equipment immediately</li> <li>Ensure inspection checklists are followed</li> <li>Monitor equipment performance regularly</li> <li>Keep spare parts readily available</li> <li>Ensure that equipment guarding is in place</li> </ul>	2M
3. Worksite Setup	Poor illumination, Inadequate ventilation	ЗН	<ul> <li>Use additional lighting to ensure adequate worksite illumination</li> <li>Assess ventilation requirements based on worksite conditions</li> <li>Install fans or ventilation systems as required</li> <li>Measure air quality regularly</li> <li>Position sandblasting equipment to minimise exposure</li> <li>Ensure emergency exits are clearly marked and unobstructed</li> <li>Segregate work area to prevent unauthorised access</li> <li>Conduct risk assessments for each setup configuration</li> </ul>	1L



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			- Keep worksite free from clutter	
			- Review setup with safety supervisor before starting	
4. Use of Abrasives	Abrasive inhalation, Projectile hazards	4A		2M
5. Power Supply Management	Electrical shock, Furver failure	ЗН		2M
6. Operation Start-up	Unexpected startup, Incorrect machine settings	ЗН		2M

Version 2.5

Review #



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7. Sandblasting Process	Surface damage, Worker overexposure	4A		2М
8. Emergency Protocol	Inadequate emergic cy record , en hazards	IA		1L
9. Cleaning and Maintenance	Residual dust exposure, Chemicals from cleaning agents	ЗН		2M



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10. Secure and Shutdown	Residual pressure release, Accidental restart	ЗН		1L
11. Waste Management	Inappropriate waste disposal, Environmental contamination	4A		2М
12. Area Clean-Up	Slip and trip hazards, Leftover equipment	ЗН		1L

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13. Final Inspection	Missed safety issues, Unreported damage	ЗН		1L
14. Review and Feedback	Incomplete documentation Overlage.ed hazards	ЗН		1L
15. Record Keeping	Loss of records, Non-compliance with record retention policies	2M		1L



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16. Equipment Transportation	Traffic hazards, Load shifting during transit	ЗН		2М
17. Communication and Coordination	Misunderstandings, Lack of coordination	ЗН		2М
18. Health Surveillance	Undetected health issues, Delayed reporting of symptoms	ЗН		2М

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19. Tool and Equipment Management	Improper tool usage, Tool damage	ЗН		2М
20. Contractor Management	Non-compliance by contractors, Inadequate contractor training	ЗН		1L



#### **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	
	EPERENCES
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: <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 Orgapational Health and Safety Action 4 Occupational Health and Safety Action 4 Legis alon VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and- gulat</u> Sultas on vactice 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/legislati">https://www.safework.nsw.gov.au/legal-obligations/legislati</a> Codes of Practice NSW: <a href="https://www.safework.nsw.gov.au/resource-library/lis">https://www.safework.nsw.gov.au/legal-obligations/legislati</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/worplace-straws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/formed-resourcestraws</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/legulation</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/codes-of-practice">https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice</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>