

Stress Materia	Beyond Its Elastic Limit R	isk Assessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Emai	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PC	BU OF TH 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 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
4AStop Meth3HRevia2MEnsu1LProceConsequen	eed, following star	intolerable, in VMS) or hi er-l dditional currol controls are import ndard operating	ace and efficieve. Proposed are Annual A	required. ts. Senior supervisor oceed with caution; m and keep records.	sign-off needed. nonitor conditions.		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				



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 training, Improper equipment	ЗН	 Conduct training sessions focusing on the elastic lines of materials. Ensure all staff are certified for materials happing. Assess equipment for adequacy and safe. Allocate sufficient resources for training. Regularly update training ro terials to reflect intentry standar. Implement a buddy system for ew employees. Provide detailed or cum mation or work procedures. Simulate stars tests und control or conditions. Maintin a curve of organises about using deficiencies. Regular aff memory to discuss safety concerns. 	2M
2. Material Handling	Manual handling, Misalignment of materials	2	 Use michal val aids is handling heavy materials. Use michal val aids is handling heavy materials. Clear value materials with weight and handling instructions. Stall rotation schedules to minimise repetitive strain. Provide personal protective equipment (PPE) for manual handling tasks. Regularly inspect mechanical aids for operational integrity. Conduct drills for handling emergency equipment failures. Use signage to indicate material handling areas. Assign experienced personnel to supervise material alignment. Conduct regular risk assessments of manual handling procedures. 	2M
3. Setting Up Work Station	Improper setup, Incorrect positioning	ЗH	 Provide checklists for correct workstation setup. Conduct pre-start inspections of workstations. Install adjustable workstations to accommodate different tasks. Ensure proper lighting to reduce glare and shadows. Use ergonomic furniture to reduce strain. Regular monitoring and evaluation of workstation setups. Conduct workstation setup audits. Ensure positioning tools and materials are within easy reach. 	2M



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			- Implement corrective actions for any non-compliance found.	
			- Provide training on ergonomic practices.	
4. Equipment Inspection	Faulty equipment, Improper tool calibration	4A		2М
5. Material Testing	Excessive force, luccurate test results	ЗН		2M
6. Monitoring Material Behaviour	Undetected anomalies, Improper monitoring techniques	ЗН		2M



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7. Stress Testing	Exceeding stress limits, Human error	4A		ЗН
8. Evaluation	Misinterpretation of the second at a los	зн		2M
9. Reporting	Incomplete reports, Confidentiality breaches	ЗН		2M

Version 2.5



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10. Feedback and Improvement	Unaddressed feedback, Non-iterative practices	ЗН		2M
11. Review and Revision of Procedures	Outdated procedures, Resistance to change	ЗН		2M
12. Training and Development	Skill gaps, Information overload	ЗН		2M

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13. Maintenance	Delayed maintenance, Unsafe maintenance procedures	4A		ЗН
14. Record Keeping	Records mismanagemet of an exata	4A		ЗН
15. Emergency Response	Inadequate procedures, Delayed response	4A		ЗН



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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.

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	REFERENCES
RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEG	SISLATIVE 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.gld.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 Octopational Health and Safety Action 04 Octopational Health and onfetive gulations 2017 Legismon VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and- pulates</u> Codes on mactice VIC <u>attps://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: <u>https://www.safework.nsw.gov.au/legal-obligations/legislati</u> Codes of Practice NSW: <u>https://www.safework.nsw.gov.au/resource-library/lis</u>	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/worplace-serve-laws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/fecture-serve-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_saces/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: https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice Codes of Practice for TAS:	 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
Details of permits, licenses or access required by regulatory bodies (add or delete as required): - Permits from local council - Authorisation to commence 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

- Any required documents.