

Agitat	ted Vessel Work Risk Asse	ssment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Eme	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PC	BU OF 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 Market .			



				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 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		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	Manual handling injuries, Slips and trips	ЗН	 Ensure proper lifting techniques are followed. Clear walkways of any debris or obstructions Use mechanical aids for heavy lifting. Conduct a pre-work briefing. Ensure all participants are wharing appropriate where Verify all equipment is tagged and tested. Mark slippery and clear Encourage dam communication throughout are task. Limit and size to manufeable weight Apply in usafety upper to oversee activities. 	2М
2. Equipment Inspection	Equipment failure, Electronazards	2	 Check II equipment to visible damage before use. Check II equipment to visible damage before use. Ensumedeutric testing on powered equipment. Ensumedeutric testing on powered equipment. Spect cables for wear and tear. Isolate equipment from power sources during inspection. Document all inspection findings and rectify issues before proceeding. Regularly update maintenance logs. Train staff in identifying equipment faults. Use lockout/tagout procedures. Verify all repairs were completed by qualified personnel. 	2М
3. Site Check	Uneven surfaces, Poor lighting	2M	 Ensure all pathways are even and free from hazards. Use temporary lighting to enhance visibility. Mark uneven surfaces clearly. Remove any unnecessary obstacles from the work area. Schedule work during daylight if possible. Provide portable lighting for dimly lit areas. Conduct a site safety orientation with all workers. Wear high-visibility clothing. 	1L



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			- Maintain a clean and organised site.	
			- Establish clear lines of sight.	
4. Vessel Inspection	Chemical exposure, Confined spaces	4A		2М
5. Loading Materials	Spills, Heavy liftin	ЗН		2M
6. Mixing Process	Overpressurisation, Chemical reactions	4A		ЗН



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7. Monitoring Process	Data interpretation errors, Equipment malfunctions	ЗН		2М
8. Unloading the Vessel	Material spillage, Paragury	вн		2M
9. Cleaning the Vessel	Chemical burns, Slip hazards	ЗН		2M



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10. Disposal of Waste	Environmental contamination, Improper handling	ЗН		2М
11. Equipment Shutdown	Unexpected startups, Residual ener	ЗН		1L
12. Documentation	Incomplete records, Loss of data	2M		1L



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13. Communication	Misinterpretation, Delayed responses	2М		1L
14. Training	Inadequate knowledge, with data.	ЗН		2М
15. Review	Missed compliance, Continual improvement stalls	2M		1L



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16. Maintenance	Equipment degradation, Technician injury	ЗН		2M
17. Incident Reporting	Delayed reporting, Miscommunication	ЗН		1L
18. Emergency Preparedness	Unplanned emergencies, Panic responses	4A		2М



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19. Evaluation and Feedback	Bias in feedback, Neglecting evaluations	2М		1L
20. Continuous Improvement	Resistance to change, Stagnation	2М		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.

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	EFERENCES
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: https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws Codes of Practice QLD: https://www.worksafe.gld.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 Occupational Health au Safety Act 204 Occupational Health and orfetyron gulations 2017 Legis from VIC: https://www.ucr.ksafe.vic.gov.au/occupational-health-and-safety-act-and- gulatures Codes of mactice VIC <u>autps://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: https://www.safework.nsw.gov.au/legal-obligations/legislatic Codes of Practice NSW: https://www.safework.nsw.gov.au/legal-obligations/legislatic	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/weblace-streams 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_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/acts-and-regulations Codes of Practice for TAS: https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice	 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 - Any required documents.	 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