

Worki	ng With Cyanide Risk Asse	essment	
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 No.			



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
Assist 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 his er-level authorisation is required. 3H Review and approve additional controls to compare and efficiency proceed with caution; monitor conditions. 2M Ensure all nominated controls are impace and efficiency donitor and keep records. 1L Proceed, following standard operating procedurer wonitor and keep records.							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	elim		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	Spillage of cyanide, Inhalation risk	ЗН	 Conduct risk assessment Ensure appropriate PPE is available Review safety data sheet for cyanide Set up containment measures for spills Conduct safety briefing with vorkers Ensure ventilation systems an operational Pre-check all commens of van Secure workmens with backers Display warmingsigns Valia to merge procommunication devices 	2M
2. Transport of Cyanide	Container rupture, Accidental exposure during transport		 Use all roventranspersiontainers Use all roventranspersiontainers Use all roventranspersion properly Train others in emergency response Update transport documentation Ensure transport route approval Perform vehicle safety checks Monitor for chemical leaks Have spill kits available Use GPS tracking for vehicle monitoring Restrict transport to daytime hours 	2M
3. Storage	Leakage from storage containers, Inadequate ventilation	ЗН	 Store in a dedicated cyanide area Regularly inspect containers Maintain secondary containment system Control access to storage facility Install gas detectors in storage vicinity Implement climate control systems Clearly label storage area Conduct regular stock audits 	1L



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			- Train staff in storage procedures	
4. Mixing Solutions	Chemical burns, Incorrect concentration	ЗН	- Install CCTV for monitoring	2M
5. Application	Contact with skin, unalation, Overexposure	44		2M
6. Cleaning Equipment	Chemical residue contact, Improper chemical disposal	ЗН		1L

Version 2.5



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7. Waste Disposal	Environmental contamination, Contact with waste handlers	ЗН		2М
8. Emergency Response	Delayed response canic enco workers	IA		2М
9. Training and Induction	Incomplete training, Miscommunication of risks	ЗН		1L



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10. Routine Inspections	Missed hazards, Failure to correct issues	ЗН		1L
11. Maintenance of PPE	Faulty equipment, Improper fit	2М		1L
12. Communication of Risks	Information overload, Misinformation	ЗН		1L

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13. Health Monitoring	Delayed detection of health issues, Non- compliance with health checks	ЗН		1L
14. Review of Procedures	Outdated procedures, Lack of engagement	ЗН		1L
15. Contractor Management	Non-compliance by contractors, Security issues	ЗН		1L

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16. Post-incident Analysis	Recurrent issues, Misinterpretation of results	4A		2М
17. Record Keeping	Loss of critical information, maccessible records	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 REFERENCES							
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 Occupational Health an Safety Actnov4 Occupational Health and Infetvingulations 2017 Legis from VIC: https://www.enerksafe.vic.gov.au/occupational-health-and-safety-act-and- ingulations Coldes on Pactice VICountps://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice						
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/legislati-codes-of-practice Codes of Practice NSW: https://www.safework.nsw.gov.au/legal-obligations/legislati-codes-of-practice	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-surv-laws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/f</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> Model Codes of Practice						
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>	 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 Work health and acfabulation account and accordination 						
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 						