

Working Arou	nd Pipes And Ductwork Ri	sk Assessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Eme	
THIS RISK ASSESS	MENT IS APPROVED BY THE PC	BU ON 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:
CLY		DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project New			



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 hazarc predesign the activity before proceeding. A Safe Work Method Statement (SWMS) or his er-level authorisatic is required.         3H       Review and approve additional corrols in prace and efficience. Proceed with caution; monitor conditions.         2M       Ensure all nominated controls are in prace and efficience. 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		
				t 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	slips and trips, manual handling injuries	ЗН	<ul> <li>Conduct a site inspection to identify uneven surface and slippery areas.</li> <li>Mark hazardous areas with warning signs or true.</li> <li>Train staff in proper lifting techniques.</li> <li>Use mechanical aids when moving heavy objects.</li> <li>Ensure appropriate lighting is all work areas.</li> <li>Conduct a toolbox talk prior to pmmencing work.</li> <li>Ensure workers of an installip for year.</li> <li>Implementing sekeeping speceduli to remore debris.</li> <li>Consist regular safety and its to ensure antiprotein measure adherence.</li> <li>Main to blear all congrainsed workspaces.</li> </ul>	2M
2. Site Access	unauthorised entry, velation entry	21	<ul> <li>Secure site with fencine and signage indicating restricted areas.</li> <li>Initiating regimer of authorised personnel.</li> <li>Design dispectific entry and exit points.</li> <li>Inplement a traffic management plan to control vehicle movements.</li> <li>Thain workers in site-specific safety protocols.</li> <li>Provide a site induction for new workers and visitors.</li> <li>Use spotters to guide vehicles in and out of tight spaces.</li> <li>Install mirrors or warning devices to blind spots.</li> <li>Ensure all entering personnel wear high-visibility clothing.</li> <li>Regularly review and update the site access plan.</li> </ul>	2M
3. Confined Spaces	oxygen deficiency, toxic fumes	4A	<ul> <li>Conduct a risk assessment for each confined space entry.</li> <li>Ensure proper ventilation of all confined spaces.</li> <li>Use gas detectors to monitor air quality before and during entry.</li> <li>Require a confined space permit system before entry.</li> <li>Maintain constant communication with workers inside.</li> <li>Train workers on emergency procedures specific to confined spaces.</li> <li>Have a standby person outside each confined space entry.</li> <li>Equip workers with appropriate respiratory protection.</li> </ul>	ЗH



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			- Avoid placing more personnel than necessary inside the confined space.	
			- Ensure robust rescue plan is in place and practised	
4. Lifting and Handling	musculoskeletal disorders, crush injuries	4A		2М
5. Working at Heights	falls from elevatio urfalling objects	44		ЗН
6. Electrical Hazards	electric shock, arc flash	4A		2М

Version 2.5



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7. Pipe Testing and Inspection	pressure or hydraulic failure, toxic leakage	4A		2М
8. Pipe Cutting and Joining	cuts and abrasions, exposure to hazardous materials	зн		2M
9. Ductwork Installation	struck by falling objects, entrapment between structures	ЗН		2M



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10. System Testing and Commissioning	unexpected system startup, uncontrol por release of substances			2М
11. Demobilisation	tripping hazards, structural instability	ЗН		2M



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12. Emergency Response	panic during evacuation, delay in rescue	4A		2М
13. Decommission Electrical Systems	electrocution, unextracted power surge	4A		2М
14. Environment Protection	chemical spills, air pollution	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 F	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: <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 Safety Action 04 Octopational Health and Safety Supervised Safety Software Sof					
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/legislative">https://www.safework.nsw.gov.au/legal-obligations/legislative</a> Codes of Practice NSW: <a href="https://www.safework.nsw.gov.au/resource-library/lis">https://www.safework.nsw.gov.au/legal-obligations/legislative</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, 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/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>					
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/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: <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:	<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	<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>					

- Any required documents.