

Constructing W	ater Features And Ponds I	Risk Assessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Eme	
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 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 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
A       Stop work. The risk is intolerable, cominate the hazard predesign the activity before proceeding. A Safe Work Method Statement (SWMS) or higher-level authorisation is required.         3H       Review and approve additional controls for exact ask parts. Senior supervisor sign-off needed.         2M       Ensure all nominated controls are imprace and efficience with caution; monitor conditions.         1L       Proceed, following standard operating procedurer Monitor 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 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	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	Slips, trips, and falls, Manual handling injuries	ЗН	<ul> <li>Ensure the worksite is clear of debris and tripping betards</li> <li>Develop a manual handling plan and instruct owkers in safe lifting techniques</li> <li>Provide appropriate personal protective element (PPE such as gloves and boots</li> <li>Conduct a pre-start safety briefing with all we are used contractors involved</li> <li>Use mechanical aids for moting heavy material wherever provide</li> <li>Ensure workers are adequate trained in manual under and lifting techniques</li> <li>Establish clear very ways see on estructions</li> <li>Schedule thesis to allow an quate the for set completion</li> <li>Makerse of strage transplight hazar and a reas</li> <li>Common site-spontic risk assessment prior to commencement</li> </ul>	2М
2. Excavation	Trench collapse, Contact with underground service	4	<ul> <li>Verify and mark the location of underground services before excavation</li> <li>The appropriate thoring or trench boxes to prevent trench collapse</li> <li>Ensure competent person supervises excavation activities</li> <li>conduct regular inspection of excavations for signs of instability</li> <li>Eaucate workers on safe excavation practices and emergency procedures</li> <li>Apply a permit-to-work system for all excavation work</li> <li>Maintain a safe excavation edge by using barricades and signage</li> <li>Use spotters when operating excavation machinery</li> <li>Install trench support systems before workers enter the trench</li> <li>Employ safe digging practices like using hand tools near known services</li> </ul>	2М
3. Installation of Liner	Chemical exposure from liners, Injury from handling heavy materials	ЗН	<ul> <li>Use liners made from non-toxic materials to avoid chemical exposure</li> <li>Provide MSDS and educate workers on the safe handling of chemicals</li> <li>Use the buddy system for handling large or heavy liners</li> <li>Implement proper lifting techniques to avoid musculoskeletal injuries</li> <li>Store heavy materials close to the areas where they will be used</li> <li>Ensure workers wear appropriate PPE, including gloves and eye protection</li> <li>Keep the workspace well-ventilated when using adhesives or chemicals</li> <li>Provide mechanical lifting aids to handle heavy rolls of liner</li> </ul>	1L



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4. Installation of Pump and Filtration System	Electrical hazards, Strains from awkward postures	ЗН	Use temporary supports or fixings when positioning liners     Conduct regular toolbox talks focusing on manual handling and chemical safety	1L
5. Masonry and Stone Work	Silica dust inhalation to the source of the second se	IA		2M
6. Water Testing and Filtration Adjustment	Chemical exposure, Drowning risk during maintenance	ЗН		1L

Version 2.5



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7. Planting and Landscaping	Use of sharp tools, Exposure to allergens and pests	ЗН		1L
8. Cleaning and Debris Removal	Slips on wet surfaces, literies for sharp objects	ЗН		1L
9. Completion and Handover	Incomplete safety checks, Operational failures	2M		1L

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10. Emergency Preparedness	Inadequate emergency response, Unapproved evacuation paths	ЗН		1L
11. Training and Competency	Lack of skill, Improper tool usage	ЗН		1L



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12. Equipment Maintenance	Failure of equipment, Injury from malfunctioning machinery	ЗH		1L
13. Waste Management	Chemical spills, Environmental contamination	3H		1L
14. Communication	Miscommunication, Failure to convey safety information	2M		1L



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15. Weather Considerations	Adverse weather conditions, Heat stress or cold exposure	зн		1L
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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.

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 Orchipational Health an Safety Act and Occupational Health and infetion guilations 2017 Legis non VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and- rulations</u> or des one actice VIC <u>extps://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/legislatic">https://www.safework.nsw.gov.au/legal-obligations/legislatic</a> Codes of Practice NSW: <a href="https://www.safework.nsw.gov.au/resource-library/lis">https://www.safework.nsw.gov.au/legal-obligations/legislatic</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/workplace-servelaws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/formediatestations</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> Tasmania Work Health and Safety Act 2012 Work Health and Safety (Transitional and Consequential Provisions) Act 2012 Work Health and Safety Regulations 2012	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 - First aid in the workplace - Managing the risk of falls at workplaces - Hazardous manual tasks - Managing the risk of falls in housing construction					
Work Health and Safety (Transitional) Regulations 2012         Legislation for TAS: <a href="https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations">https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations</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/acts-and-regulations</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> Details of permits, licenses or access required by regulatory bodies (add or delete as required):	<ul> <li>Managing electrical risks in the workplace</li> <li>Demolition work</li> <li>Excavation work</li> <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> </ul>					
<ul> <li>Permits from local council</li> <li>Authorisation to commence work</li> <li>Any required documents.</li> </ul>	- Managing risks of plant in the workplace - Construction work					