

Se	wage Pump Risk Assessm	ent	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Emai	
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THIS RISK ASSESS	MENT IS APPROVED BY THE PC	BU ON W PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a p is prepared before the proposed work starts.	person conducting a busine or un	ndertaking PCBU required to ensu	re that a RISK ASSESSMENT
Full Name:			
Signature:		ritle:	Date:
CLY	OR PRI. CIN L.CO. TRACTOR I	DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project New York			



				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
A       Stop work. The risk is intolerable, cominate the hazard predesign the activity before proceeding. A Safe Work Method Statement (SWMS) or hit er-level authorisatic is required.         3H       Review and approve additional controls in prace and effective. Proceed with caution; monitor conditions.         1L       Proceed, following standard operating procedures 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 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				



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	Slip hazard, Chemical exposure risk, Electrical hazard, Ergonomics issues, Confined space entry risk, Noise exposure, Manual handling injury potential, Communication errors, Weather conditions, Distraction due to environmental factors, PPE inadequacy possibility, Emergency procedure confusion, Eye injuries due to splashes, Infection from pathogens, Psychological stress due to critical nature of task, Dynamic environmental factors, Inadequate lighting, Power tool misuse, Leaks or spills, Biological contamination, Mislabelling or misinformation hazard, Incorrect tool usage, Insufficient briefing or planning, Material transport issues, Fire or explosion risk, Overexertion or fatigue,	4A	<ul> <li>Conduct a pre-start meeting to discuss the procedure and safety measures</li> <li>Ensure all tools and equipment are checked forunctionality prior to use</li> <li>Wear appropriate PPE including gloves, straty goggles and waterproof boots</li> <li>Use lockout/tagout procedures to ensure electrication use</li> <li>Implement confined space incodures according to relevant includings</li> <li>Set up barriers and signage relevant unauthorize are use to the work area</li> <li>Ensure adequate granting or clearitisibility</li> <li>Prepare and ducate tears on emericing and all team members</li> <li>Use busits for releaging leaks promptly</li> <li>Maint in commander working surfaces to prevent slips</li> <li>Ensure esplicatory projection is worn if necessary</li> <li>Loble-neck all chemicals used have correct labelling and safety data sheets on hand Rotate uses among team members to avoid fatigue</li> </ul>	ЗН
2. Site Establishment	Struck-by object, Tripping nazard, Pler ventilation, Electrical short circuits, First inhalation, Hazardous galses, Coluct with infected surfaces, Via affecting stability, Insufficient site signage, Pesticide contamination, Reaction due to latex exposure, Heat stress, Incorrect waste disposal, Fast- paced workflow leading to mistakes, Communication interference, Shared access paths, Equipment interference,	4A	<ul> <li>Exect barriers to separate work zone from public passages</li> <li>Use dust suppression methods like water sprays if needed</li> <li>Have fire extinguishers readily accessible and staff trained in their use</li> <li>Conduct air monitoring for hazardous gasses</li> <li>Post clear signage for all potential hazards and emergency exits</li> <li>Ensure all pathways are unobstructed and well-lit</li> <li>Use two-way radios for clear communication</li> <li>Provide shaded areas and regular breaks to reduce heat stress</li> <li>Implement pedestrian and vehicle management protocols</li> <li>Ensure all workers are briefed on the site emergency and incident response procedures</li> <li>Place waste and recycling bins at appropriate and accessible locations</li> <li>Use vibration-reducing tools and equipment to minimize exposure</li> <li>Schedule regular housekeeping checks to maintain cleanliness</li> <li>Instruct workers on proper disposal methods for hazardous materials</li> </ul>	2М



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3. Equipment Inspection	Faulty equipment leading to injuries, Mechanical failures, Inadvertent activation, Unsafe deactivation, Sharp edges, Poor calibration, Biofilm formation, Electrical faults, Moving parts danger, Miscommunication regarding defective equipment,	ЗН	<ul> <li>Conduct a visual inspection for any obvious defects or wear</li> <li>Verify all equipment calibration is correct</li> <li>Ensure all safety guards are in place and functional</li> <li>Follow manufacturer's inspection procedul origorous</li> <li>Maintain an equipment maintenance logbook functord keeping</li> <li>Tag out and report any fault equipment immedically to product use</li> <li>Ensure appropriate training for sing the inspection modes</li> <li>Double-check training for sing with the usaft components</li> <li>Regently check or procedures for equipment under maintenance</li> <li>Provide training on marginising and managing equipment faults</li> <li>Perform regular esting of sensors and alarms for accuracy</li> </ul>	2М
4. PPE Inspection	Inadequate PPE, to maged PPE Incorrect PPE usa a Lata and go Ineffective PPE, Psychological reluctance to wear PPE, Cross- contamination risks, Visual impairment due to PPE, PPE incomplete and other safety equipment, Delayed PPE replacements,	ЗН		2M
5. Isolation of Power	Electrical shock, Arc flash, Equipment misoperation, Lockout/tagout failure, Unexpected startup, Equipment damage, Stored energy hazards, Harmful electromagnetic fields,	4A		2M



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6. Pump Disconnection	Mechanical injury while detaching, Slip or trip hazards, Chemical exposure from remaining sewage, Confusion over pump connections, Muscle strain, Overexertion, Noise irritation, Disconnecting wrong connections, Pressure build-up, Hazartine substand discharge,			2М
7. Pump Removal	Dropping the pump, Manual handling injury, Unforeseen movement hazards, Equipment tipping, Biochemical exposure, Incorrect removal process, Miscommunication during team lifts, Limited accessibility to the pump, Incorrect storage of removed items,	4A		2M



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8. Transport of Pump	Transport route obstructions, Vehicle conflicts, Load instability, Inadequate securing of the pump, Traffic exposure, Struck-by hazards, Vibration during transit, Breakage due to mechanical stress,	ЗН		1L
9. New Pump Installation	Incorrect alignmet a Slips during fitment, Power connection of ors. Incomparent reactivation, Incomparent stallation leading to shutdown, Miscommunication, Fasteners loosening, Erronomic structure, Line obstructions, Re-concerned on of the system,	4A		2M
10. System Reactivation	Overpressure incidents, Valve failures, Noise pollution, Potential system leaks, Rapid pressure changes, Equipment malfunction, Electrical faults, Component incompatibility issues,	4A		2М



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11. Post-Installation Inspection	Operational errors, Leak risk post installation, Wrongful configuration, Tool left in system, Visibility issues due to poor lighting, Ventilation making working environment intolerable, Unanticipated pressure changes,	ЗН		1L
12. Training and Documentation	Knowledge gaps, Incorrect and ure adoption, Misinformation hazards, Unreported incidents, Wrong use of reference materials, Communication errors, Training plan inadequacy,	ЗН		1L
13. Housekeeping	Tools or materials causing trips, Work clutter, Slip from spills, Mishandling of biological waste, Sharp object injuries,	4A		1L



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14. Confined Space Monitoring	Asphyxiation from gas leaks, Psychological stress from enclosed environment, Loss of communication, Poor visibility leading to error, Heat stress, Difficulty in emergency evacuation,	4A		2M
15. Shutdown and Lockout	Inadvertent startup, Residual mechanical energy, Returning pressure build-up,	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 RE	FERENCES
RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGIS	LATIVE REFERENCES DANY 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 and Safety Act word Occupational Health and Safety Act word Legistron VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and- ogulations</u> of thes on vactice 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_tectrodes-ot_ract</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 2015 Legislation NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/webplace-set-laws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/formediates-set-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: <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/codes-of-practice</a>	<ul> <li>Weiding processes</li> <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> <li>Work health and safety consultation, cooperation and coordination</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 - Any required documents.	<ul> <li>Work health and safety consultation, cooperation and coordination</li> <li>Managing the work health and safety risks</li> <li>Managing risks of plant in the workplace</li> <li>Construction work</li> </ul>