

	Hot Work Risk Assessmen	t	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Emei	
THIS RISK ASSESSM	MENT IS APPROVED BY THE PC	BU OF PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a p is prepared before the proposed work starts.	person conducting a busine for un	dertaking 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			



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 hazarc 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 task parts. Senior supervisor sign-off needed. 2M Ensure all nominated controls are imprace and efficience. Proceed 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		Always document why a lower-order control is accepted if	
Catastrophic Major	Fatality or perma Serious injury/illr days)			wn prosecution	prosecution		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	Winor 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	Inadequate site assessment, Insufficient safety briefing	ЗH	Conduct a comprehensive site inspection to identify extential hazards Ensure all personnel undergo a detailed safety usefing Verify all permits required for hot work have een obtained Ensure all workers have proper PPE including a manasistant clothing Establish an exclusion zone with appropriate signate Check all equipment to ensure us in safe working useditor. Develop an emergency reconserver specific to the site and task Ensure communication devices are in actionize properly Document all its stified locards and concor measures Ensure verses as a manined in the use of fire extinguishing equipment	2M
2. Equipment Inspection	Faulty equipment, Improvement	22	Inspect II equipment is properly calibrated Verify chall machines have been maintained according to the manufacturer's specifications Uplace or repair any faulty equipment before starting work Document the inspection process and results Ensure electrical equipment is rated for hot work conditions De-energise and lock out electrical systems if necessary Confirm availability of spare parts on site Ensure adequate ventilation is available for combustion engine machinery Check fuel sources and connections for leaks	2M
3. Area Clearance	Flammable materials, Obstructed exit paths	4A	Remove all flammable materials within a 10-metre radius Ensure all exit paths are clear and accessible Assign a fire watch to monitor for stray sparks Deploy fire-resistant shields or barriers as needed Verify all ventilation systems are operational Mark and cordon off the hot work area Ensure fire extinguishers are easily accessible Secure gas cylinders away from heat sources	2M



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			Ensure combustible materials are adequately shielded	
			Maintain open communication with site supervisor about changes	
4. Cutting and Welding	Sparks and hot slag, Excessive heat	4A		2M
5. Drilling Operations	Flying debris, Over eating drill bits	ЗН		2M
6. Grinding Operations	High-speed fragments, Noise	4A		2M

Version 2.5



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7. Brazing	Toxic fumes, Burns from hot surfaces	ЗН		2M
8. Soldering	Lead exposure, Source and	зн		1L
9. Heat Treatment Operations	Extreme temperatures, Gas leaks	4A		2M



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10. Confined Space Work	Oxygen deficiency, Explosion risk	4A		2M
11. Roof Work	Falls from height, Structural collapse	4A		2M
12. Ventilation Installation	Inhalation of hazardous substances, Structural hazards during installation	ЗН		2M



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13. Fire Watch Duties	Missing potential fire hazards, Delayed fire response	ЗН		1L
14. Site Clean-Up	Unsecured sharp objects, Improper waste disposal	ЗН		1L
15. Post-Job Review	Overlooking job improvements, Failure to record learnings	2M		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 REI	ERENCES						
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 Act 204 Occupational Health and Safety Act 204 Decision VIC: https://www.safety.c.gov.au/occupational-health-and-safety-act-and- tulations Codes on vactice 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 NSW: https://www.safework.nsw.gov.au/legal-obligations/legislati-codes of Practice NSW: https://www.safework.nsw.gov.au/legal-obligations/legislati-codes of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis https://www.safework.nsw	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/wg_place-servelaws Codes of Practice NT: https://worksafe.nt.gov.au/fdresourk_t_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt_crt	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_aces/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 Work health and safety consultation, cooperation and coordination 						
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 						