

The	ermal Cutting Risk Assessn	nent	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Emai	
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THIS RISK ASSESS	IENT 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:
CL	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	
Risk 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 hit er-level authorisatic is required.         3H       Review and approve additional corrols in prace and efficience of with caution; monitor conditions.         2M       Ensure all nominated controls are in prace and efficience of with caution; monitor conditions.         1L       Proceed, following standard operating procedures of onitor 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	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					



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	slippery surfaces, inadequate lighting	ЗН	<ul> <li>Ensure work area is well-lit and free from obstruction.</li> <li>Wear appropriate non-slip footwear</li> <li>Conduct a site safety briefing</li> <li>Use marked pathways to avoid uneven surfaces.</li> <li>Clean up spills immediately:</li> <li>Ensure access to emergency wits</li> <li>Conduct preliminary inscriptions such as set of the endoment of PE) is available</li> <li>Maintain clean annuur pation channe.</li> <li>Ensure access to emergency procedures</li> </ul>	2М
2. Equipment Inspection	equipment malfunction, electrical hazards	21	<ul> <li>Perfort prevent check on all equipment</li> <li>Issure quipment is tagged and tested</li> <li>Isolatene ver before inspection</li> <li>eep equipment maintained as per manufacturer guidelines</li> <li>Examine cords and plugs for damage</li> <li>Verify that circuit breakers and safety devices are operational</li> <li>Use only equipment approved for the type of work</li> <li>Record inspection findings in logbooks</li> <li>Report any faults immediately to supervisor</li> <li>Follow lockout/tagout procedures during maintenance</li> </ul>	2M
3. Setting Up Work Area	fire hazards, sharp objects	ЗН	<ul> <li>Remove flammable materials from vicinity</li> <li>Set up welding screens or barriers</li> <li>Ensure fire extinguishers are accessible and in good working order</li> <li>Clear area of unnecessary materials and debris</li> <li>Use insulated tools to prevent accidental sparks</li> <li>Position gas cylinders safely</li> <li>Erect signage indicating ongoing thermal cutting work</li> <li>Use fireproof blankets as needed</li> </ul>	1L



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			- Inspect area for sharp objects and remove promptly	
			- Confirm availability of first-aid kit	
4. Gas Cylinder Handling	explosion, asphyxiation	4A		2M
5. Ignition of Cutting Torch	burns, eye damag	4A		2M
6. Cutting Operation	flying particles, fumes inhalation	4A		1L



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7. Cooling Process	steam burns, slip hazards	ЗН		2M
8. Waste Disposal	environmental hazards, inimi- sharp offcuts	зн		1L
9. Equipment Shut Down	unexpected startup, electrical shock	4A		1L



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10. Site Cleaning	trip and fall, exposure to dust	ЗН		1L
11. Inspect Finished Work	structural failure, sharp edges	ЗН		2М
12. Releasing Finished Product	handling injuries, transport issues	ЗН		1L



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13. Recording Procedures	inaccurate data, data loss	2М		1L
14. Feedback and Review	incomplete feedback, micromoteation	2М		1L
15. Maintain Work Records	loss of historical data, unauthorised access	2M		1L



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16. Training and				
16. Training and Competency	skill gaps, inadequate training	3H		2M
	1			
	G			
17. Emergency Response Preparation	poor emergency response, panic reactions	4A		1L
Response Preparation	reactions	-17.1		
18. Rest and Recovery	fatigue-related accidents, decreased productivity	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 LEGISL	ATIVE 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						