

Neon	Tube Bending Risk Asses	sment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Ema.	
THIS RISK ASSESSM	MENT IS APPROVED BY THE PC	BU ON W PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a pis 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 PRICEIN LCO. TRACTOR I	DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project Iv			



RISK MATRIX LIKELIHOOD INSIGNIFICANT MINOR MODERATE MAJOR CATASTROPHIC HIERARCHY OF CONTROLS SCORE ACTION Elimination ALMOST 3 HIGH 3 HIGH 4 4 ACUTE ACUTE ACUTE **CERTAIN** Remove the hazard. Substitution 4 4 DO NOT Replace the hazard. LIKELY MODERATE HIGH HIGH ACUTE ACUTE ACUTE ROCEED Isolation Isolate People from the hazard 2 3 4 3H Rev before POSSIBLE MODERATE ACUTE ACUTE LOW HIGH HIGH. work Engineering Isolate the l/Acchanich. Ensure control 2 3 2M istrativ UNLIKELY measures in LOW LOW MODERATE HIGH ACU RATE е place. Chang 2 MODERATE 3 HIGH 1L Monitor and RARE LOW LOW LOW keep records.

Risk Rating & Required Action:

4A	Stop work. The risk is intolerable,	minate the hazard	redesign the activity before proceeding. A Safe Work
	Method Statement (SWMS) or hi	er-level authorisation	is required.
3H	Review and approve additional c	role ask	arts. Senior supervisor sign-off needed.
2M	Ensure all nominated controls are in	prace and efficive	Proceed with caution; monitor conditions.
1L	Proceed, following standard operating	ng procedurer //oni	itor and keep records.

Consequence Scale:

Consequence	People (injury/illness)	Project / Assets	Compliance / Reputation
Catastrophic	Fatality or permanent total disability	project shutdown	Significant regulator intervention; criminal prosecution
Major	Serious injury/illness (hospital > 5 days)	critical delay	Improvement notice; major media coverage
Moderate	Medical-treatment injury; lost-time > 1 day	moderate delay	Minor breach; adverse client comment
Minor	First-aid only, no lost time	negligible delay	Isolated non-conformance
Insignificant	No injury	no schedule impact	Deviation caught and corrected on site

Notes on Hierarchy of Controls:

Remember to apply controls in the preferred order shown by the coloured pyramid:

- 1. Eliminate
- Substitute
- 3. Isolate
- 4. Engineering
- 5. Administrative
- 6. PPE

Always document **why** a lower-order control is accepted if elimination or substitution is not reasonably practicable.

aligned with Safe Work Australia's Managing the risk of fatigue at work (2023) and ISO 45001:2018 clauses 6–8.



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	Electrical shock, Glass breakage	3H	- Conduct electrical safety briefing prior to work - Ensure all tools are tested and tagged - Use non-conductive gloves - Establish designated area for glass cutting very wrong signs - Provide safety goggles for one protection - Use anti-slip mats in work are - Implement locker cagoor roce was for electrical equipment - Ensure add at all lighting sworksparse - Secretly faster cutting quipment - Provide prining coafe glass handling techniques	2M
2. Glass Tube Selection and Cutting	Sharp edges, Glass sp	31	- Wear Interest ant glass - Wear Interest ant glass - Clear and a regularly to remove glass fragments - Spose of glass waste promptly in designated bins - Eurocate workers on proper cutting techniques - Implement buddy system during operations - Check for defects in glass tubes before cutting - Provide face shields as additional eye protection - Train workers in first aid for cuts and lacerations - Keep travel and clutter-free zones around cutting areas	2M
3. Tube Heating	Burns, Fumes exposure	4A	- Use heat-resistant gloves - Ensure proper ventilation and fume extraction - Maintain fire extinguishers nearby and check functionality - Position heating elements to avoid accidental contact - Monitor temperature regulations of heating equipment - Conduct regular equipment maintenance and safety checks - Provide training in safe heating practices - Display emergency contact information clearly	3H



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			- Limit access to work area to trained personnel	
			- Use respirators with appropriate filters	
4. Tube Bending and Shaping	Inhalation of fumes, Overexertion	3H		2M
5. Cooling and Inspection	Thermal burns, Gors chips	2M		1L
6. Electrode Attachment	Electrical shock, Chemical exposure	3Н		2M



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7. Tube Filling with Gas	Inhalation of hazardous gases, Pressurised gas leaks	4A		3H
8. Testing and Calibration	Electrical fault, Fals	зн		2M
9. Final Assembly	Misalignment, Electrical hazard	зн		2M



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10. Finishing and Mounting	Slip and fall, Tool-related injuries	3H		2M
11. Electrical Connection	Electrical shock, Fire risk	4A		3H
12. Initial Testing	Electric shock, Equipment failure	4A		2M



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13. Quality Assurance	Non-compliance, Physical strains	2M		1L
14. Packaging and Shipping	Injury from sharp objects Impropulifting techniques	ЗН		1L
15. Cleanup and Maintenance	Exposure to cleaners, Slips, trips, and falls	3H		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 OF AT ARE NOT APPLICABLE.

Queensland & Australian Capital Territory

Work Health and Safety Act 2011

Work Health and Safety Regulations 2011

 $\underline{\textbf{Legislation QLD:}} \ \underline{\textbf{https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws}}$

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

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/legislatide

Codes of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis codes-of ractions of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis codes-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-racti

Northern Territory

Work Health and Safety (National Uniform Legislation) Act 2011

Work Health and Safety (National Uniform Legislation) Regulation 201

Legislation NT: https://worksafe.nt.gov.au/laws-and-compliance/wo_place-

Codes of Practice NT: https://worksafe.nt.gov.au/f

South Australia

Work Health and Safety Act 2012 (SA)

Work Health and Safety Regulations 2012 (SA)

Legislation for SA: https://www.safework.sa.gov.au/resources/le_lation

Codes of Practice for SA: https://www.safework.sa.gov.au/work_aces/codes-of-practice#COPs

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

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.

Victoria

Occupational Health at Safety Act 34

Occupational Health and afety gulations 2017

Legis on VIC: https://www.csafe.vic.gov.au/occupational-health-and-safety-act-and-

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les on actice VI atps://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice

Western Australia

Work Health and Safety Act 2020

Work Health and Safety Regulations 2022

Legislation Western Australia: https://www.commerce.wa.gov.au/worksafe/legislation Codes of Practice WA: https://www.commerce.wa.gov.au/worksafe/codes-practice

Safe Work Australia Links

Law and Regulation (All States): https://www.safeworkaustralia.gov.au/law-and-regulation Model Codes of Practice: https://www.safeworkaustralia.gov.au/resources-publications/model-codes-of-practice

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
- Managing electrical risks in the workplace
- Demolition work
- Excavation work
- 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