



Hot Works Involving Soldering C	Copper Pipes SAFE WOR	K METHOD STATEMENT (SW	/MS)
TASK OR ACTIV	ITY: Hot Works Involving Solder	ing Copper Pipes	
Business Name:		ABN:	SWMS#
Business Address:			
Contact Person:	Phone:	E 111:	
THIS SAFE WORK METHOD	STATEMENT IS APPROVED BY	THE PCL OF THE ROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a person conduct the proposed work starts.	cting a business or under a (PC 1) is	required to en that a safe work method s	statement (SWMS) is prepared before
Full Name:			
Signature:	NY	Title:	Date:
Details of the person(s) responsible for ensuring implementation, monitoring	opliance the VMS a well as review	s and modifications of the SWMS.	
Full Name:		Title:	Phone:
ALL PERSONNEL PARTICIPATING IN ANY ACTIVITY ON THIS S /MS M HAVE THE FOLLOWING COMMUNICATED	NA, 2 OF ALL RELEVANT PERSONNI EVELOPMENT AND APPROVAL OF	EL WHO HAVE BEEN CONSULTED AND CO	OMMUNICATED TO IN THE
Safety meetings or toolbox talks will be sched ed in accomply with gislative requirements to first identify any site hazards, hazards and then to further take steps to either eliminate or continuous each hazard.			
If an incident or a near miss occurs, all work must sto, an atately. Depending on the severity of the incident, a meeting will be called with all workers to amend the SWMS if required. The meeting may also be an educational opportunity.			
Any changes made to the SWMS after an incident or a near miss must be approved by the Person Conducting Business or Undertaking and communicated to all relevant personnel.			
The SWMS must be kept and be available for inspection at least until the work is completed. Where a SWMS is revised, all versions should be kept. If a notifiable incident occurs in relation to which the SWMS relates, then the SWMS must be kept for at least two years from the occurrence of the notifiable incident.			

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CLIENT OR PRINCIPAL	CONTRACTOR DETAILS
Client:	SCOPE OF WORKS
Project Name:	
Project Address:	
Project Manager:	
Contact Phone:	
Date SWMS supplied to Project Manager:	
ANY HIGH BIOK CONSTRUCTOR	NAME OF THE POLIT
ANY HIGH-RISK CONSTRUCTOR	N WC & BEIN C ARIED OUT
☐ involves a risk of a person falling more than 2 meters	is carried out on or near pressurised gas mains or piping
☐ is carried out on a telecommunication tower	carried out on or near chemical, fuel or refrigerant lines
☐ involves demolition of an element of a structure that is load-bearing	\square is carried out on or near energised electrical installations or services
☐ involves demolition of an element related to the physical integral of a functure	☐ is carried out in an area that may have a contaminated or flammable atmosphere
☐ involves, or is likely to involve, disturbing asb	☐ involves tilt-up or precast concrete
☐ involves structural alteration or repair that —quires term — v sup —rt to prevent collapse	☐ is carried out on, in or adjacent to a road, railway, shipping lane or other traffic corridor
☐ is carried out in or near a confined space	☐ is carried out in an area of a workplace where there is any movement of powered mobile plant
☐ is carried out in/near a shaft or trench deeper that. tunnel involving use of explosives	☐ is carried out in areas with artificial extremes of temperature.
\square is carried out in or near water or other liquid that involves a risk of drowning.	☐ involves diving work.
ANY HIGH-RISK MACHINER	Y OR EQUIPMENT NEARBY

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RISK MATRIX										
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE	MAJOR	CATASTROPHIC	SCORE	ACTION	HEI	RARCHY OF CONTROLS	
ALMOST CERTAIN	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4 ACUTE	SCORE ACTION		Elimination Remove the hazard.		
LIKELY	2 MODERATE	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4A ACUTE	DO NOT PROCE		Substitution	
POSSIBLE	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	4 ACUTE	3H HIGH	Review before work starts.		Replace the hazard.	
UNLIKELY	1 LOW	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	2M MODERATE	Ensure control measures in place.	Isolate	e People from the hazard	
RARE	1 LOW	1 LOW	2 MODERATE	3 HIGH	3 HIGH	1L LOW	nitor and		Engineering Isolate the hazard.	
is the second m	rchy of Controls: ost effective metho nging the work is th	d of controlling a	hazard. Enginee	ering by isolati	on is the in ost e	en 'ive, while	rd. Substitution Administrative effective		Administrative Change the work. PPE	

				PERS		TIVE EQUIPM					
		Select the app	ropriate PPŁ	abo. auitab	le or the equi	pment used or	the job task	being perforr	ned (if applica	ıble).	
FOOT PROTECTION	HAND PROTECTION	HEAD PROTECTION	HEARING ETION	P ECTION	PROTECTION	FACE PROTECTION	HIGH-VIS CLOTHING	PROTECTIVE CLOTHING	FALL PROTECTION	SUN PROTECTION	HAIR/JEWELLERY SECURED
Other PPE R	Required:										
	Pe	ermit or Licen	ses Requirem	ents		Mandatory Qualifications and Training					



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	Unsupported structures, mishandling of tools	2M	 Ensure that all workers involved in the task to e properly trained and competent in handling tools and equipment for soldering copper pipes. Conduct a thorough risk assessment of the volk to a to identify any unsupported structures, and ensure they are adequately braced or supported before immencing work. Use appropriate personal projective equipment (No. 1), ize using gloves, safety glasses, and protective clothing, to minimise the risks as objected with mishaning tools and exposure to heat. Inspect all tools and equipment project use to a sure they are in good working condition and suitable for the task. Estatish a close and equipment project use to a sure they are in good working condition and suitable for the task. Imple terminates and contains a preparation procedures, ensuring all workers are aware of their roles and responsibilition during to a preparation phase. Use appropriate barriers or signs to cordon off the work area and prevent unauthorised personnel from energing or ring the soldering process. Ensure at there is a fire extinguisher or other fire suppression equipment readily available in case of cidental ignition during hot works. Ourse adjustable workbenches or supports to secure copper pipes, preventing movement that could result in improper joins or tool mishandling. Review and follow the manufacturer's instructions and safety guidelines for all tools and soldering equipment to ensure safe usage. 	1L
2. Equipment Set Up	Unsecured equipment, risk of electric shock	ЗН	 Ensure all equipment is properly secured and stable before starting the job to prevent movement during operation. Inspect all electrical cords and connections for damage or wear before use, replacing any that are faulty or frayed. Use only outdoor-rated extension cords and power tools if working in open areas or conditions that might expose them to weather. Always connect electrical tools to a safety switch (residual current device) to reduce the risk of electric shock. Position soldering equipment away from flammable materials and liquids to prevent fire hazards. Verify that power supply points are readily accessible and can be shut off quickly in case of an emergency. Provide adequate ventilation in the work area to disperse fumes generated during the soldering process. 	1L

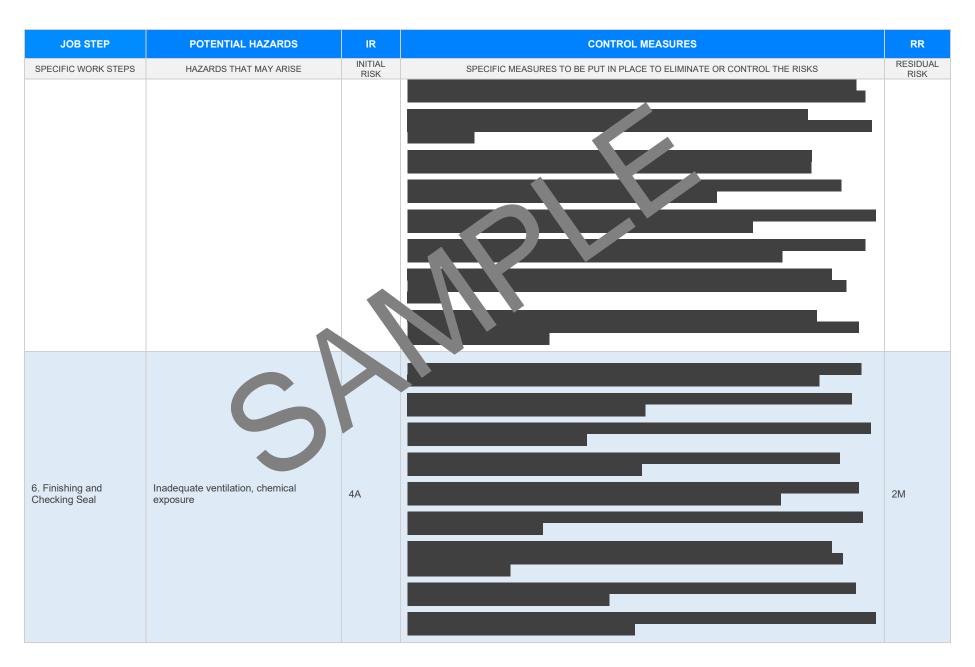


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SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
			- Familiarise yourself with equipment operating manuals and ensure you understand all warnings and safe operation procedures.	
			- Wear appropriate personal protective equipment as insulated gloves and safety goggles to protect against potential burns and eye injury.	
			- Conduct a pre-operation inspection check on all sold ag and electric equipment to identify any potential faults.	
			- Implement barricades or warning signs around \$\display\$ work area to prevent unauthorised personnel from entering.	
			- Maintain a clean and organise vorkspace to avoid and hazards and allow quick access to emergency equipment.	
			- If using gar swered solding too ensure sey are checked for leaks and maintained according to the manufacturer instruction	
			- Ens	
			Condular pictorics by briefing to ensure all workers understand the potential hazards and required fety misure.	
		\	- Ens. (a) workers are equipped with appropriate PPE, including heat-resistant gloves, safety goggles, ng-slee (clothing, and respiratory protection if necessary.	
			- pect all soldering tools before use for signs of wear or damage, such as frayed cords, loose connections, or broken components.	
			- Regularly maintain and certify all equipment used for hot works to prevent malfunction or failure during operation.	
			- Establish a designated safe area for tool inspection and testing away from flammable materials to prevent accidental ignition.	
3. Safety Checks	Inadequate PPE, defective tools	3H	- Implement a tagging system to identify defective tools and remove them immediately from service until they are repaired or replaced.	2M
			- Provide easily accessible fire extinguishers and other firefighting equipment near the worksite and ensure that workers are trained in their use.	
			- Designate a fire watch individual to monitor for sparks, flames, or smoke during hot work activities and for an adequate amount of time after completion.	
			- Confirm that ventilation systems are operational and effective in removing fumes and airborne particles generated by soldering.	
			- Establish secure boundaries with signage and barriers to restrict access to authorised personnel only within the hot works area.	
			- Instruct workers never to leave active solder irons unattended and to switch off and unplug equipment when not in use.	



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			- Ensure all electrical connections and power sources for soldering tools meet Australian standards and are protected against short circuits.	
			- Post emergency contact information prominently one work site and ensure all personnel know the procedures to follow in case of an emergency	
			- Conduct regular refresher training for wolk as on the impactance of using correct PPE and the procedures for inspecting and handling tools fely.	
4. Soldering Process Initiation	Heat exposure, flux fumes emission	4A		2M
5. Pipe Connection	Inaccurate fitting, sharp edges	3H		1L







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7. Clean-Up Process	Slip and trip hazards, hot surfaces			1L
8. Disassembly and Storage	Mishandling of heavy equipment, improper storage	3Н		1L



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9. Inspection for Quality Assurance	Non-compliance with standards, inadequate documentation	2M		1L



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				1
10. Waste Management	Exposure to harmful chemicals, improper disposal	3H		1L



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11. Maintenance of Tools and Equipment	Defective parts, wear and tear	2M-		1L
12. Reordering Consumables	Quantitative errors, delivery lags	2M		1L



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13. Incident Reporting	Ineffective communication, wayed reporting	2M		1 L



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14. Regular Training and Updates	Outdated knowledge, complacency	2M		1L
15. Emergency Plan Implementation	Panicking, lack of prompt action	ЗН		1L



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				•
	6			
16. Periodic Review and Improvement Plan	Overlooking shortcomings, resistance to change	2M		1L



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17. Succession Planning	Unprepared replacements, hasty decisions	2M		1L
18. Exit Strategy and Debriefing	Quick evacuation, exposure to fumes	3H		1L



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19. Feedback and Improvement Implementation	Resistance to feedback, implementation lag	2M		1L



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20. Regular Audits for Compliance	Inconsistent proceures, overlooking discrepancies	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 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

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

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/legislations/

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

Northern Territory

Work Health and Safety (National Uniform Legislation) Act 2011

Work Health and Safety (National Uniform Legislation) Regulation 2011

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/wor 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 al. Safety Act

Occupational Health and affety gulations 2017

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

gulat

des on actice VI autros://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





SIGNATORIES OF THE SAFE WORK METHOD STATEMENT

The signed and dated personnel listed below have cooperated in the consultation and development of this Safe Work Method Statement which has been approved by the Person/s Conducting a Business or Undertaking (PCBU). In signing this Safe Work Method Statement each individual acknowledges and confirms that they have read this SWMS in full, having raised any questions for items on this Safe Work Method Statement that require clarification, and confirms that they are competent, skilled and knowledgeable for the task assigned to them. Every person acknowledges that they have received the relevant training and qualifications where required, before carrying out any work contained in this Safe Work Method Statement. By signing this Safe Work Method Statement each individual agrees to work safely, to follow any safe work instructions which are provided, and agrees to use all Personal Protective Equipment where appropriate.

Worker Name	Signature	Date

SAFE WORK IN THE STATEMENT MONITORING AND REVIEW

The SWMS must be reviewed regularly to make sure it remains a fective of must be reviewed (and revised if necessary) if relevant control measures are revised. The view process should be carried out in consultation with workers (including contractors of the SWMS and their health and safety representatives who represented that work group at the workplace.

When the SWMS has been revised the PCBU mast ensure that advised that a revision has been made and how they can access the revised SWMS, including all persons who will need to change a work procedure or system as a rest of the review are advised of the changes in a way that will enable them to implement their duties and the involved in the work must be provided with the relevant information and instruction that will assist them to understand and implement the revised SWMS.

The SWMS must be monitored regularly for the effectiveness of ensuring hazard controls are effective in reducing the risk of incidents, keeping the workplace safe for all personnel. The person responsible for monitoring the effectiveness of the Safe Work Method Statement should employ a multi-faceted approach which includes but is not limited to:

- Spot Checks.
- 2. Consultation with workers, contractors and sub-contractors.
- Internal audits on a continual basis.

An approach of continuous improvement, promptly recording inconsistencies or deficiencies, followed up by immediate corrective action and consultation with all relevant personnel ensures that the PCBU is consistently developing ever-improving systems of safe work principles.

REVIEW NUMBER	1	2	3	4	5	6	7
NAME							
INITIALS							
DATE							

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SAFE WORK METHOD STATEMENT REVIEW CHECKLIST

This Safe Work Method Statement Review Checklist is to be followed and used upon initial development of the SWMS to help ensure that all steps have been adequately taken before work commences. Think of this document as an internal audit review checklist before commencing work, and may form part of a Toolbox Talk (safety meeting) and may be used as an opportunity for education and training.

ITEMS WHICH MUST BE INCLUDED IN THE SWMS	COMPLETED	COMMENTS
The company details have been entered, including the project name and address.		
All relevant personnel consulted during the development of the SWMS.		
Name, signature, position and date signed of the person approving the SWMS.		
Specific personnel and qualifications, experience is noted in the SWMS.	7	
Provides a step-by-step process of tasks required to carry out the activity or task.		
Adequate risk assessment of any identified hazards has been completed.		
Foreseeable hazards are identified and documented for each step.		
Any hazards listed in any site risk assessments have been added to the SWMS		
SWMS initial risk (IR) column as well as residual risk (RR) column pulleted.		
Check control measures added to the SWMS are the most effective selections		
Responsible person is assigned and listed on the part the important part of measures.		
Permit or licenses requirements specified, sur as Hot Work, Electric Work, Work at Heights etc.		
SWMS identifies plant and equipment to be us		
Details of inspection checks required for any equipment listed a noted on the SWMS.		
Describes any mandatory qualifications, experience, or skills required to perform the work.		
Applicable personal protective equipment is selected on the SWMS.		
Reflects and documents any legislative references and/or Australian Standards.		
Identifies any hazardous substances used with specific control measures in line with any SDS.		
REVIEWED BY	DATE REVIE	WED
SIGNATURE	DATE COMPL	ETED