



Hot Brazing SA	AFE WORK METHOD STAT	EMENT (SWMS)	
	TASK OR ACTIVITY: Hot Brazing]	
Business Name:		ABN:	SWMS#
Business Address:			
Contact Person:	Phone:	E jil:	
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:		Title:	Date:
Details of the person(s) responsible for ensuring implementation, monitoring a	apliance the VMS a well as review	s and modifications of the SWMS.	
Full Name:		Title:	Phone:
ALL PERSONNEL PARTICIPATING IN ANY ACTIVITY ON THIS & MS MAY HAVE THE FOLLOWING COMMUNICATED	NA. 2 OF ALL RELEVANT PERSONNI EVELOPMENT AND APPROVAL OF	EL WHO HAVE BEEN CONSULTED AND C THIS SWMS	OMMUNICATED TO IN THE
Safety meetings or toolbox talks will be sched sed in accounty with a gislative requirements to first identify any site hazards, and then to further take steps to either eliminate or contineach hazard.			
If an incident or a near miss occurs, all work must sto, adately. 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	HEIRARCHY 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 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	Administrative Change the work is the fourth most effective method. PPE (Personal Protective Equament), the least effective								

				PERS		TIVE EQUIPM					
		Select the app	ropriate PPŁ	abo v uitab	cor 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	equired:										
	Pe	ermit or Licen	ses Requirem	ents			Ma	andatory Qual	ifications 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	Excessive heat, Inhalation of fumes	2M	- Conduct a risk assessment to identify pote par hazards and implement appropriate controls before starting. - Ensure all workers are trained in hot brazing a braues and understand the associated risks, including heat and fumes. - Provide and enforce the use a personal protective quire and (PPE) such as heat-resistant gloves, long sleeves, safety gogalate and fact shields. - Set up adequate ventilative system or use local exhaust ventilation to minimise fume inhalation and ensure good a quality in enclosed states. - Use attable was or or at windows to experse heat and maintain a comfortable working environment. - Regulate monitor or quality levels for hazardous fumes and gases to ensure they stay within safe expost a limits. - Implement as stict how keeping regimen to keep work areas free from combustible materials that could note him and the surfaces and areas to prevent accidental contact and burns. - Creative at the forest surfaces and areas to prevent accidental contact and burns. - Have first extinguishers and first-aid kits readily available, and ensure all workers know how to use them in use of an emergency. - Schedule regular breaks during brazing operations to prevent fatigue and heat stress among workers.	1L
2. Equipment Set Up	Fire risk, Inadequate ventilation	ЗН	 Conduct a pre-job risk assessment to identify specific fire risks in the work area. Ensure all flammable materials are removed from the vicinity of the brazing operation. Use fire-retardant materials to shield any immovable flammable objects near the work area. Set up appropriate fire extinguishing equipment, such as water, CO2, or dry chemical extinguishers, within easy reach. Assign a trained fire watch personnel to monitor the site during and after hot brazing activities. Implement proper ventilation by using fans or exhaust systems to dissipate fumes and smoke generated during brazing. Ensure all ventilation systems are checked and functional before commencing work. Limit the number of people in the immediate area to reduce exposure to potential hazards. Post signage indicating "Hot Work in Progress" to alert personnel of ongoing brazing activities. Provide appropriate personal protective equipment (PPE) such as gloves, aprons, face shields, and respirators for workers involved in brazing. Test gas lines and connections for leaks prior to equipment start-up using soapy water or a gas detection device. 	2M



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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 - Ensure all meters and gauges on brazing equipment are functioning correctly to prevent malfunctions or unintended releases. - Establish an emergency response plan that incluse procedures for evacuation and first aid in case of fire incidents.	RESIDUAL RISK
3. Material Selection	Incorrect material, Contaminated materials	2M	- Conduct a thorough review of the brazing secretical and requirements to ensure the correct materials are selected for the specific application. - Implement a strict materials enfication process, reluding to exing material certificates and supplier documentation, to ensure companies with standard. - Use materials strong per process to prevent contamination; store materials in a clean, dry area away from pollutants or process using substances. - Implement a colour-coding or tagging to any for easy identification of materials to prevent the use of incorrect materia. - Train voters one sterial handling best practices and the importance of selecting the right materials for specific as: - Inspect all minorials before use, looking out for signs of contamination such as dust, oils, or rust, which say the brazing quality. - Limit set as to material storage areas to authorised personnel only to reduce the risk of accidental ontamination on or misuse. - The dule regular supplier audits to ensure they maintain high-quality standards in material supply. Designate a quality control officer to oversee the selection and preparation of materials, ensuring adherence to safety protocols. - Utilise protective coverings or sealants on stored materials that are not immediately used to protect them from environmental contaminants. - Maintain a documented record of material sources, inspections, and checks to provide traceability and accountability in case of issues.	1L
4. Brazing Process	Skin burns, Eye injury from sparks	4A		3Н



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5. Cooling Down	Contact burns, Fire hazard que to hot residues	ЗН		2M



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6. Inspection	Cuts from sharp edges, Hazardous noise levels	2M		1L
7. Clean Up	Slips and falls from spills, Cuts from sharp objects	2M		1L



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8. Maintenance	Unplanned equipment start, Electrical hazards	3Н		2M



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9. Emergency Procedures	Insufficient training, Non-adherence procedure	ЗН		2M
10. Training	Wrong techniques, Lacks of knowledge	4A		3H



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11. Post-Operation	Residual heat burns, Fire hazard from hot residues	ЗН		2M



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12. Equipment Storage	Trip hazards, Inade vater go leading to damages	₽M		1L
13. Transport	Accidental dropping , Improper handling	2M		1L



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14. Waste Disposal	Injury from improper disposal procedures, Exposure to hazardous residues	3Н		2M



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15. Documentation	Missing documentation, dates with regulations	2M		1L



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16. Decommissioning	Electric shock, Toxic emissions	4A		3H
17. Repair/Replacement	Use of unsuitable spare parts, Improper methods	4A		3Н



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
18. Personal Protective Equipment	Inadequate PPE, Law of training on usage	ЗH		2M
19. Pre-Operation Checks	Overlooking safety checks, Missing potential risks	3H		2M



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20. Regular Auditing	Lapses in auditing, Non-adherence to compliance standards	2M		1 L



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SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAI	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL
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		7		



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/leg

Codes of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis > odes-oi 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/legislation

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 al. Safety Act

Occupational Health and Infety gulations 2017

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

gulat

tes of actice VIC attps://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.
- 3. 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.	<u>k</u>	
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	\boxtimes	
SWMS initial risk (IR) column as well as residual risk (RR) column mpleted.		
Check control measures added to the SWMS are the most effective selective.		
Responsible person is assigned and listed on the person is as a person is a per		
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