

TIG Welding S	AFE WORK METHOD STAT	EMENT (SWMS)	
	TASK OR ACTIVITY: TIG Welding	9	
Business Name: [Company Name]		ABN: [ABN]	SWMS#
Business Address: [Company Address]			
Contact Person:	Phone: [Phone]	E il:	
THIS SAFE WORK METHOD	STATEMENT IS APPROVED BY	THE POST THE PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a person conduct the proposed work starts.	cting a business or undertaking (N 3U) is	required to ture at a safe work method s	tatement (SWMS) is prepared before
Full Name:			
Signature:		Title:	Date:
Details of the person(s) responsible for ensuring implementation, monitoring	compliance of the SWMS well as review	s and modifications of the SWMS.	
Full Name:		Title:	Phone:
ALL PERSONNEL PARTICIPATING IN ANY ACTIVITY ON THIS WMS. ST HAVE THE FOLLOWING COMMUNICATED	N. 1E AND DATED SIGNATURE OF A CO. MUNICATED TO IN THE DEVELO	LL RELEVANT PERSONNEL WHO HAVE B PMENT AND APPROVAL OF THIS SWMS	EEN CONSULTED AND
Safety meetings or toolbox talks will be sched ed in accordance with agislative requirements to first identify any site hazards, conditions unical those hazards and then to further take steps to either the conditions of the cond	NAME	SIGNATURE	DATE
If an incident or a near miss occurs, all work must standardly. 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.			



		CL	IENT OR PRINCIPAL	CONTRACTOR D	DETAILS				
Client:						SCOPE OF WORKS			
Project Name:				Provide a detailed description	n of the specific work being	carried out (otherwise			
Project Address:					known as cope of works).				
Project Manager:									
Contact Phone:									
Project Manager Sig	gnature:								
Date SWMS supplie	ed to Project Manager:								
		ANY HIGH	RISK CON PUCT	N' JRK BEING	CARRIED OUT				
☐ involves a risk of a p	erson falling more than 2 n	neters.		is carried out on	is carried out on or near pressurised gas mains or piping.				
☐ is carried out on a telecommunication tower.					s carried out on or near chemical, fuel or refrigerant lines.				
☐ involves demolition of	of an element of a structure	that is load-be		is carried out on	arried out on or near energised electrical installations or services.				
☐ involves demolition of	of an element related to the	e physical integrit of a str	3	is carried out in	☐ is carried out in an area that may have a contaminated or flammable atmosphere.				
☐ involves, or is likely t	o involve, disturbing a es	stos.		involves tilt-up or precast concrete.					
☐ involves structural al	teration or repair that re	mporal, upp to p	prevent collapse.	☐ is carried out on, in or adjacent to a road, railway, shipping lane or other traffic corridor.					
is carried out in or ne	ear 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 th	nan 1.5m or tunnel involvir	ng use of explosives.	is carried out in areas with artificial extremes of temperature.					
is carried out in or ne	ear water or other liquid tha	at involves a risk of drowning	ng.	involves diving v	vork.				
		ANY H	IGH-RISK MACHINER	RY OR EQUIPMEN	NT NEARBY				
☐ Forklift	☐ Crane/s	☐ Hoist/s	☐ Excavator	☐ Backhoe/Loader	Boom Lift	□ EWP	☐ Genie Lift		
☐ Trencher	☐ Drilling Rig	Trucks	Formwork	☐ Bobcat	☐ Flammable Gas	☐ Fuel	☐ Dozer		
☐ High Voltage	☐ Mulcher	☐ Tilt-up Panels	Roller	☐ Scissor Lift	☐ Tractor	☐ Other -			





FOOT HAND **HEAD HEARING** SPIRATORY FACE HIGH-VIS **PROTECTIVE** FALL SUN HAIR/JEWELLERY CLOTHING **PROTECTION PROTECTION** PROTECTION **PROTECTION** PROTE DTECTION **PROTECTION** CLOTHING **PROTECTION PROTECTION SECURED**

Select me appropriate PPE above suitable for the equipment used or the job task being performed (if applicable).

Note: A SWMS must be reviewed regularly to make sure it remains effective. A SWMS must be reviewed (and revised if necessary) if relevant control measures are revised. The review process should be carried out in consultation with workers (including contractors and subcontractors) who may be affected by the operation of the SWMS and their health and safety representatives who represented that work group at the workplace.

When a SWMS has been revised, the person conducting a business or undertaking must ensure all:

- 1. persons involved in the work are advised that a revision has been made and how they can access the revised SWMS;
- 2. persons who will need to change a work procedure or system as a result of the review are advised of the changes in a way that will enable them to implement their duties consistently with the revised SWMS: and.
- 3. workers that will be involved in the work are provided with the relevant information and instruction that will assist them to understand and implement the revised SWMS.



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR	RESPONSIBLE PERSON																		
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK	NAME OF PERSON																		
			- Secure the welding area: Identify the precise welding location and establish a well- organised workspace with designated areas for storic tools, equipment, and materials to minimise the risk of falling objects.																				
			- Workstation inspection: Prior to commence work, conduct a thorough workstation and equipment assessment to identify any pantial element all hazards or faults related to TIG Welding.																				
			- Use appropriate personal protective equipment PE): Worker must wear the correct PPE, including safety atwear, helmets we auto-depending lenses, full-body flame-resistant clothing, welding, loves, and respiration of the control of																				
			- Proper store of materia Ensur hat all processes and objects that are not in use are store afely to avoid the risk fall g objects.																				
			- Safe and an article of techniques: Train workers in safe lifting and manual handle of shinique of reduce the risk of injury when moving heavy objects or equipment.																				
1. Preparation	9 ,	Falling object hazards, Electrical hazards	, , , , , , , , , , , , , , , , , , ,	- Equipment in internal Regularly inspect and maintain welding equipment, sluding tables lamps, and power sources, to prevent electrical hazards due to fact equipment wear and tear.	2M																		
																					Isolate strical sources: Disconnect all electrical equipment from power sources en not in use to prevent unauthorised use and minimise the risk of electrical hands.		
			- Implement lockout/tagout procedures: Follow proper lockout/tagout protocols to ensure that equipment is de-energised during servicing, repairs, or inspections, preventing accidental energization and electrical hazards.																				
			- Fall prevention measures: Secure ladders, scaffolding, and other elevated work platforms properly to prevent falls and dropped objects while working at heights.																				
				- Emergency response plan: Develop and implement a comprehensive emergency response plan to manage emergencies promptly, including procedures to address electrical hazards, fire incidents, and first aid response.																			
			- Training and communication: Continuously educate workers on safety regulations, hazard controls, and safe work practices to mitigate the risk of accidents caused by falling objects or electrical hazards during the TIG Welding process.																				
2. Pre-weld Checks	Gas leaks, Equipment malfunction	3H	- Regular inspection: Ensure regular and thorough inspections of welding equipment, hoses, cylinders, and valves by a qualified professional to check for any signs of wear, tear or damage.	2M																			



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			- Leak testing: Before beginning any work, conduct a leak test on all gas connections, hoses, and cylinders to detect any traces of leaking gas that could lead to a potential hazard.		
			- Equipment maintenance: Keep all welding equation and tools in good working condition by following the manufacturer's qualifier and recommendations, including routine servicing and timely replacement of all typarts		
			- Ventilation: Ensure proper ventilation in the way space to dissipate any hazardous gases that may accumulate during the welding pages and admirately circulate fresh air.		
			- Gas cylinder storage to gas vinders upright we arety caps in place when not in use and increasign of storage area that in well-ventilated, protected from direct sunlight and away from heat vinces.		
			- Personal productive egypenent (PPE) ar appropriate PPE, such as welding helm alloves, and flame-resistant clothing, to protect the user from hazar and to adding.		
			- Employee ining: vide comprehensive training for all workers involved in TIG welding lisks cusing safe work practices, hazard identification, and emergency spons proce res.		
			- Fix reportion measures: Keep a fire extinguisher readily available near the velding place and avoid welding near flammable materials or substances.		
			orkspace organisation: Maintain orderliness and cleanliness around the welding area, removing any clutter, obstructions, or tripping hazards close to the equipment.		
	5		- Emergency response plan: Establish and implement an emergency response plan detailing the steps to follow in case of a gas leak, equipment malfunction, or any other hazard during the welding process.		
			- Safety signage and awareness: Display clear safety signage related to welding hazards within the workspace, and encourage open communication between team members if any potential hazards are identified during the pre-weld checks.		
			- Proper Training and Awareness: Ensure that all workers using TIG welding equipment receive adequate training, including correct usage of personal protective equipment (PPE) to minimise the risk of exposure to hazards.		
Personal Protective Equipment	Inadequate protection, Improper fit	3H	- Selection of Appropriate PPE: Provide suitable PPE such as fire-resistant overalls, gloves, footwear, earplugs or earmuffs, alongside correctly rated high-definition welding helmets, to mitigate the impact of potential hazards during TIG welding processes.	1L	
			- Ensuring Proper Fit: Check that workers' PPE fits correctly by conducting periodic inspections and sizing adjustments if necessary, as well-tailored protective gear significantly reduces the risk of inadequate protection.		
			- Equipment Maintenance: Regularly maintain and replace worn-out PPE to ensure consistent and optimal protection from TIG welding-related hazards.		



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			- Implementing Safe Work Practices: Establish a set of standard operating procedures with guidelines for selecting, wearing, and maintaining PPE, aiming to promote a safety culture within the workplace.		
			- Clear Signage and Communication: Install viscosignage in working areas, highlighting the mandatory use of PPE during a liG welding operations and describing potential hazards associated with improper tection		
			- Supervision and Monitoring: Ensure constant requiring workers to comply with safety regulation while provided assistance in case they encounter difficultied using their PPE.		
			- Adequate Ventilation Furn extraction: Maintain oper ventilation in designated weld areas disper harmful gards and furnes effectively, minimising thousk of respirory issue related inadequate protective equipment.		
			- Emer ency is ponse Pont: Develop emergency response plan outlining steps to tall a pould the policy of incident involving inadequate protection or improper fit of PPE con TIG was not activities, including first aid and reporting procedures.		
			- Regular Scarty Revulas: Perform periodic safety audits and hazard assessments to idential specific risks a sociated with lack of adequate protection, analyse trends, and implemental attinuous improvements to the enforced safety policies and processors.		
	5				
4. Workspace Setup	Poor ventilation, Tripping hazards	3H		1L	



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5. TIG Welding Machine Settings	Incorrect settings, Human error	2M		1L	



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6. Secure Workpiece	Unsecured workpiece, Pinch points	4A		2M	



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7. Welding Position	Ergonomic hazards, Awkward positioning	2M		1L	



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8. Gas Cylinder Handling	Leakage, Explosion risks	ЗН		1L	



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9. Tack Welding	Unstable tack welds, Eye hazards	3H		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	NAME OF PERSON
0. Final Welding	Fumes and gases, Fire hazards			2M	



INITIAL	ASURES RR	RESPONSIBLE PERSON
SPECIFIC WORK STEPS HAZARDS THAT MAY ARISE INITIAL RISK SPECIFIC MEASURES TO BE PUT IN PLACE TO	O ELIMINATE OR CONTROL THE RISKS RESIDUAL RISK	NAME OF PERSON
SPECIFIC WORK STEPS HAZARDS THAT MAY ARISE SPECIFIC MEASURES TO BE PUT IN PLACE TO SPECIFIC MEASURES	D ELIMINATE OR CONTROL THE RISKS RESIDUAL RISK 11	



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR	RESPONSIBLE PERSON
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK	NAME OF PERSON
12. Clean-up	Slips and trips, Sharp objects	2M		1L	



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	5				



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/legislati

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

Northern Territory

Work Health and Safety (National Uniform Legislation) Act 2011

Work Health and Safety (National Uniform Legislation) Regulation 2011

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

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

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 at Safety Act 34

Occupational Health and afety gulations 2017

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

<u>qulat.</u>

des on 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.

	Tollow any Sale work instructions which are provided, and agrees to use all resonal riolective Equipment where appropriate.						
Worker Name	Pos	sition	Signature	Date	Time	Sup	pervisor
				Date:			
				_			
				Date			
				l te:			
			AV	Date:			
				Date:			
				Date:			
				Date:			
		SAF WO A S	THUD STATEMENT	MONITORING AND	REVIEW		
The SWMS must be reviewed regularly to pake sure it remains effective and must be reviewed (and revised if necessary) if relevant control measure are subcontracted by the operation of the SWMS and their health and safety representatives who research that work group at the workplace. When the SWMS has been revised the PCBU must ensure that all persons involved with the work are 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 result of the review are advised of the changes in a way that will enable them to implement their duties consistently with the revised SWMS. All workers that will be involved in the work must be provided with the relevant information and instruction that will assist			An approach of continuous improvement, promptly recording inconsistencies or deficiencies, followed up by immediate corrective action and consultation with all relevant personnel ensures				
them to understand and imp					tently developing ever-imp	3 ,	· '
REVIEW NUMBER	1	□ 2	□ 3	□ 4	□ 5	□ 6	□ 7
NAME							
INITIALS							
DATE							



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	TO BE DONE	COMMENTS
The company details have been entered, including the project name and address.			
Names and signatures of all relevant personnel consulted during the development of the SWMS.		P P	
Name, signature, position and date signed of the person approving the SWMS.			
Specific personnel and qualifications, experience is noted in the SWMS.	P		
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 SWh			
SWMS initial risk (IR) column as well as residual risk (RR) columns completed.			
Check control measures added to the SWMS are the most effecting so tions.			
Responsible person is assigned and listed on the SWMS for the imperent of continue assures.			
Permit requirements specified, such as Hot Work, Veralt Heights etc.			
SWMS identifies plant and equipment to be u d.			
Details of inspection checks required for any equipment listed are noted on the SWMS.			
Describes any mandatory qualifications, experience raining skills required to perform the work.			
Applicable personal protective equipment is selected on the SWMS.			
Lists any required permits or licenses.			
Reflects and documents any legislative references and/or Australian Standards.			
dentifies any hazardous substances used with specific control measures in line with any SDS.			
REVIEWED BY	DATE R	EVIEWED	
SIGNATURE	DATE CO	MPLETED	