

Oxy-Fuel Gas Welding   SAFE WORK METHOD STATEMENT (SWMS)								
TASI	K OR ACTIVITY: Oxy-Fuel Gas W	elding						
Business Name: [Company Name]		ABN: [ABN]	SWMS#					
Business Address: [Company Address]								
Contact Person:	Phone: [Phone]	E gil:						
THIS SAFE WORK METHOD	STATEMENT IS APPROVED BY	THE P OF THE PROJECT						
Under the Work Health and Safety Regulation (WHS Regulation), a person conducte proposed work starts.	cting a business or undertaking (HBU) is	required to ture at 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	compliance of the SWMS well as review	vs 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 OPMENT AND APPROVAL OF THIS SWMS	EEN CONSULTED AND					
Safety meetings or toolbox talks will be sched ed in accordance with regislative requirements to first identify any site hazards, condition of unical those hazards and then to further take steps to either the steps to either t	NAME	SIGNATURE	DATE					
If an incident or a near miss occurs, all work must study unately. 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.								



CLIENT OR PRINCIPAL CONTRACTOR DETAILS											
Client:					SCOPE OF WORKS						
Project Name:					Provide a detailed description of the specific work being carried out (otherwis						
Project Address:			ŀ	known as cope of works).							
Project Manager	:										
Contact Phone:											
Project Manager	Signature:										
Date SWMS sup	plied to Project Manag	er:									
		ANY HIG	H-RISK CON TUCT		ARRIED OUT						
involves a risk of	a person falling more than	2 meters.		is carried out on of	near pressurised gas main	s or piping.					
is carried out on	a telecommunication tower			is carried out on o	is carried out on or near chemical, fuel or refrigerant lines.						
involves demoliti	on of an element of a struct	ure that is load-be		is carried out on or	☐ is carried out on or near energised electrical installations or services.						
involves demoliti	on of an element related to	the physical integrit of a st	ir e,	is carried out in an area that may have a contaminated or flammable atmosphere.							
involves, or is like	ely to involve, disturbing a	estos.		involves tilt-up or precast concrete.							
involves structura	al alteration or repair that re	mporan upp to	prevent collapse.	is carried out on, in or adjacent to a road, railway, shipping lane or other traffic corridor.							
☐ is carried out in c	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/r	near a shaft or trench deepe	er than 1.5m or tunnel involv	ving use of explosives.	is carried out in areas with artificial extremes of temperature.							
☐ is carried out in c	or near water or other liquid	that involves a risk of drown	ning.	involves diving wo	rk.						
		ANY	HIGH-RISK MACHINE	RY OR EQUIPMENT	NEARBY						
Forklift	Crane/s	☐ Hoist/s	Excavator	Backhoe/Loader	Boom Lift	EWP	Genie Lift				
Trencher	Drilling Rig	Trucks		Bobcat	E Flammable Gas	Fuel	Dozer				
High Voltage	Mulcher	Tilt-up Panels	Roller	Scissor Lift	Tractor	Other -					







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
1. Preparation	Poorly maintained equipment, Insufficient workspace	2М	<ul> <li>Regular inspections and maintenance: Ensure all equipment, such as gas cylinders, hoses, and torches, are regularly inspected and well-maintained to prevent leaks, damage, or malfunction.</li> <li>Workspace organisation: Maintain a clearened organised workspace, ensuring adequate space for movement around the inciting areased proper storage of materials and equipment.</li> <li>Appropriate signage: Clearburnark designated werk areas with earning signs, indicating potential hazards in effammable gas, "in tworks progress," or "welding area."</li> <li>Removal of consestibles feep enamable and combustible materials away from the welding area to reduce be risk tore.</li> <li>Equipment do notation: the string as one offs and regulators securely and upright on callers bracks. If uping them away from direct sunlight, extreme temperatures, and s theor hot set.</li> <li>Prope venention: the ure effective natural or mechanical ventilation to minimise inhalatik of the set, van set, and gases produced during oxy-fuel gas welding.</li> <li>Prope venention: the ure effective natural or mechanical ventilation to minimise inhalatik of the set, van set, and gases produced during oxy-fuel gas are of an merge.</li> <li>Training and Competency: Provide comprehensive training to all workers involved in oxy-fuel welding tasks to ensure understanding of safety procedures, hazard recognition, and correct equipment usage.</li> <li>Safe storage of gas cylinders: Store gas cylinders securely when not in use, comply with local regulations, and ensure that full cylinders are separated from empty ones, preventing indivertent mixing.</li> <li>Emergency response plan: Develop and communicate a clear emergency response plan, so workers know how to safely respond to incidents such as fires, leaks, or equipment malfunctions within the welding area.</li> </ul>	1L	
2. Setup area	Fire hazards, Tripping hazards	2M	<ul> <li>Conduct a thorough inspection of the work area, removing any combustible materials (e.g., paper, wood, oil, and flammable liquids/gases) to create a safe zone around the welding site.</li> <li>Ensure that the work area is well-ventilated and free from any potential trip hazards such as hoses, cables, and loose tools. Setup the oxy-fuel gas welding workstation on flat, stable ground to minimise the risk of equipment tipping over.</li> </ul>	1L	



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			<ul> <li>Use non-flammable screens or barriers to shield the welding area from external sources of ignition or sparks and to protect nearby workers who may be performing other tasks.</li> <li>Be sure to position fire extinguishers within cleap proximity of the work area. All workers should be familiar with their location and how to operate them in case of an emergency.</li> <li>Keep fire-resistant blankets or mats on hand, consadily accessible for immediate use in case a fire hazard occrs. Have a designe of storage place for these materials when not in use.</li> <li>Train all workers instant in the rev-fuel gas welding, occess on safety procedures, including proportion material handling, envipment setup, and emergency response provide to ensuring that their eavalue their responsibilities in maintaining as the working normation.</li> <li>Estimate and comment in smoking "policy in and around the work area. Design is obscilled eavalue that the response of wear or damage prior to each holf. Reflace a chamaged equipment immediately to prevent gas leaks or equipment failure, aring operation.</li> <li>Store or ders securely and upright in a well-ventilated and protected area when the in use. Make sure cylinder caps are replaced, valves tightly closed, and oxygen an fuel gases adequately separated.</li> <li>Implement a clear communication system among workers to foster awareness when a welding job is about to start, is ongoing, or has been completed, to keep everyone informed and reduce the risk of accidental exposure to hazards.</li> <li>Develop an incident reporting procedure as part of your safety management system that ensures all accidents, incidents, near misses, and identified hazards are recorded, investigated, and addressed in a timely manner to continuously improve the overall safety of the work environment.</li> </ul>		
3. Gas cylinder connection	Gas leak, Loose connections	ЗН	<ul> <li>Ensure that all gas cylinders are properly stored and secured in upright positions at the designated storage areas before and after use.</li> <li>Inspect the gas cylinder connections regularly for any signs of rust, damage or wear, and replace them if necessary.</li> <li>Keep a safety data sheet (SDS) on hand containing relevant information about the gases being used, including proper handling and storage procedures.</li> <li>Wear appropriate personal protective equipment (PPE), such as gloves and eye protection, when handling gas cylinders and connecting them to the welding equipment.</li> <li>Only trained and qualified personnel should be allowed to handle and connect gas cylinders to the oxy-fuel gas welding equipment.</li> </ul>	2М	



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			- When connecting gas cylinders, ensure they are clearly labelled with the correct type of gas and make certain to connect the right gas cylinders based on their corresponding labels.		
			- Turn off the regulator valves before connecting ylinders to the welding equipment, and then slowly open the valves to prevent aden pressure surges.		
			- Check for leaks around the cylinder connection point by applying soapy water or leak detection solution around the joint, and the point of bubbles.		
			- Always use an approved cyclic der wrench or spaces for connecting and disconnecting gas cylinders, all ding the use of matching is such as pliers or adjustable wrenches		
			- Use flashbact prestors a check alves in the xy-fuel gas system to prevent dangerous b. flow and pointial ex, sion		
			- Ensure that all observed fittings are is good working condition and free from dama as tracks to make that can cause leakage or malfunction.		
			- Reguerly inductivation maintenance and inspections on all oxy-fuel gas welding equipment, it is used to gas cylinders, hoses, regulators and valve connections, as per the manufacturer's gardelines.		
	1		- Develop and implement an emergency response plan in case of gas leaks or other incide. The olving the oxy-fuel gas welding process, ensuring that all employees are miliar way its contents and know what action to take.		
	S				
4. Torch setup	Inadequate personal protective equipment (PPE), Malfunctioning torch	2M		1L	



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5. Ventilation setup	Inadequate ventilation, the are exposure	ЗН		2M	



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6. Lighting procedure	Incorrect startup sequence, Flashback	ЗН		2М	



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7. Welding operation	Burns, Fumes and gases, Eye damage	ЗН		1L	



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8. Adjusting pressure and flame	Uncontrolled release of gas, Burns	2М		1L	



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9. Weld endpoint control	Overheating, Loss of workpiece stability	2M		1L	



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10. Shutdown procedure	Incorrect shutdown sequence, Release of gas	3H		2М	
11. Cool down	Burns from hot materials, Insufficient cool down time	2M		1L	



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12. Cleanup	Tripping hazards, Fire hazards	2M		1L	



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Version 2.5

Date of Issue:









#### 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.

	REFERENCES
RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEG	SISLATIVE 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: <a href="https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws">https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws</a> Codes of Practice QLD: <a href="https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice">https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice</a> Legislation ACT: <a href="https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice">https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice</a> Codes of Practice ACT: <a href="https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice">https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice</a> Codes of Practice ACT: <a href="https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice">https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice</a>	Victoria Octopational Health and Safety Action 04 Octopational Health and Infetty orgulations 2017 Legistron VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and- gulaters</u> Codes of mactice VICe <u>witps://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, 201, Legislation NT: https://worksafe.nt.gov.au/laws-and-compliance/workplace-serve-laws Codes of Practice NT: https://worksafe.nt.gov.au/laws-and-compliance/workplace-serve-laws	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
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>	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
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: <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> 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>	<ul> <li>First aid in the workplace</li> <li>Managing the risk of falls at workplaces</li> <li>Hazardous manual tasks</li> <li>Managing the risk of falls in housing construction</li> <li>Managing electrical risks in the workplace</li> <li>Demolition work</li> <li>Excavation work</li> </ul>
Details of permits, licenses or access required by regulatory bodies (add or delete as required): - Permits from local council - Authorisation to commence work	<ul> <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> <li>Managing risks of plant in the workplace</li> <li>Construction work</li> </ul>

- Any required documents.



#### 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	Position	Signature	Date	Time	Supervisor
			Date:		
			Datu		
			ı te:		
			Date:		

#### SAF WC A STHUD STATEMENT MONITORING AND REVIEW

The SWMS must be reviewed regularly to review the sure it remains revised if necessary) if relevant control measure are a conconsultation with workers (including contractors are subcontract of the SWMS and their health and safety representatives who re workplace.

ke sure it remains effective and must be reviewed (and are subcontractions) who may be affected by the operation sentatives who received that work group at the

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 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:

- 1. 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							



#### 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	
Name, signature, position and date signed of the person approving the SWMS.			
Specific personnel and qualifications, experience is noted in the SWMS.			
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 SWN			
SWMS initial risk (IR) column as well as residual risk (RR) columns completed.			
Check control measures added to the SWMS are the most effecting sections.			
Responsible person is assigned and listed on the SWMS for the imement of cont, measures.			
Permit requirements specified, such as Hot Wey, Electrical Work, Verat Heights etc.			
SWMS identifies plant and equipment to be up t.			
Details of inspection checks required for any equipment listed approved on the SWMS.			
Describes any mandatory qualifications, experience vaining 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.			
Identifies any hazardous substances used with specific control measures in line with any SDS.			
			·
REVIEWED BY	DATE RI	EVIEWED	
SIGNATURE	DATE COMPLETED		