Gas Welding and Cutt	ing   SAFE WORK METHOD	STATEMENT (SWMS)	
TASK	OR ACTIVITY: Gas Welding and	Cutting	
Business Name:		ABN:	SWMS#
Business Address:			
Contact Person:	Phone:	E Jil:	
THIS SAFE WORK METHOD	STATEMENT IS APPRO		
Under the Work Health and Safety Regulation (WHS Regulation), a person conduct the proposed work starts.	sting a business or under the (PC - I) is	required to entry of that a safe work method s	tatement (SWMS) is prepared before
Full Name:			
Signature:	NK	Title:	Date:
Details of the person(s) responsible for ensuring implementation, monitoring a	opliance i the VMS a vell as review	s and modifications of the SWMS.	
Full Name:		Title:	Phone:
ALL PERSONNEL PARTICIPATING IN ANY ACTIVITY ON THIS MAN PHAVE THE FOLLOWING COMMUNICATED	NALE OF ALL RELEVANT PERSONNE EVELOPMENT AND APPROVAL OF	EL WHO HAVE BEEN CONSULTED AND CO THIS SWMS	DMMUNICATED TO IN THE
Safety meetings or toolbox talks will be sched ed in according with a gislative requirements to first identify any site hazards, such a companie hicas those hazards and then to further take steps to either eliminate or contained hazard.			
If an incident or a near miss occurs, all work must stop an ately. 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:						
Project Address:						
Project Manager:						
Contact Phone:						
Date SWMS supplied to Project Manager:						
ANY HIGH-RISK CONSTRUC						
☐ involves a risk of a person falling more than 2 meters	I 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	□ is carried out on or near energised electrical installations or services					
□ involves demolition of an element related to the physical integ. Y of a sucture	$\square$ 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 terminary supart 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	$\Box$ 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.					
☐ is carried out in or near water or other liquid that involves a risk of drowning.	☐ involves diving work.					
ANY HIGH-RISK MACHINER	RY OR EQUIPMENT NEARBY					



					RISK	MATRIX				
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE	MAJOR	CATASTROPHIC	SCORE			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 befor 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 k⊾ records		Engineering Isolate the hazard.	
TARE       LOW       LOW       MODERATE       HIGH       HIGH       LOW       k a records       Isolate the hazard.         Iotes on Hierarchy of Controls:       Elimination methods are the most effective and preferrement on on the a hazard. Substitution is the second most effective method of controlling a hazard. Engineering by isolation is the tipe host encipe, while Administrative controls by changing the work is the fourth most effective method. PPE (Personal Protective Equipment). The least effective       Administrative       Change the work.         PPE       PPE       PPE       PPE       PPE       PPE										

						TIVE EQUIPM					
		Select the ap	propriate PPL	abo, ruitab	i or the equi	oment used or	the job task	being perform	ned (if applica	able).	
FOOT PROTECTION	HAND PROTECTION	HEAD PROTECTION		P ECTION	R⊾ ⇒PIRATORY PROTECTION	FACE PROTECTION	HIGH-VIS CLOTHING	PROTECTIVE CLOTHING	FALL PROTECTION	SUN PROTECTION	HAIR/JEWELLERY SECURED
Other PPE R	Other PPE Required:										
	Permit or Licenses Requirements						Ма	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		
SPECIFIC WORK STEPS	WORK STEPS HAZARDS THAT MAY ARISE RISK	<ul> <li>SPECIFIC MEASURES TO BE PUT IN PLACITO ELIMINATE OR CONTROL THE RISKS</li> <li>Ensure that a thorough risk assessment between conducted prior to the commencement of gas welding and cutting activities to identify potential haveds and immement appropriate control measures.</li> <li>Verify that the appropriate ventilation systems induce and functioning correctly, including using fume extraction devices where necessary, to minimise porker exposes to harmful gases and fumes generated during welding and cutting processes.</li> <li>Enhance natural ventilation with exhaust fans or portice ventilators to ensure adequate air circulation in the work area, effortively relucing the concentration or harmful gases and contaminants.</li> <li>Position we stations to first toward rain on the cost of natural or artificial light, ensuring adequate illumination for the weldite and cutting if necessary, such as portable task lights, floodlights, or light stands to usure to the sufficient visibility when performing tasks.</li> <li>Utilise roop person portective equipment (PPE), including respiratory protection devices like masks or respire ors in gas in ers, to reduce the risk of inhalation of toxic gases emitted during welding and ting o viration.</li> <li>Encourse regular breaks for workers operating in poorly ventilated areas, allowing them time to leave the control workspace and get fresh air.</li> </ul>				
1. Preparation						<ul> <li>confine workspace and get fresh air.</li> <li>unduct routine safety inspections of the work environment, ensuring adequate ventilation and lighting systems are maintained and functioning to their fullest extent.</li> <li>Provide ongoing workplace health and safety training to employees regarding proper procedures for gas welding and cutting tasks, including best practices for minimising relevant hazards.</li> <li>Maintain properly labelled emergency exits and evacuation routes, ensuring these paths are easily accessible and clear from obstructions in case an incident occurs during welding or cutting.</li> </ul>
				<ul> <li>Implement heat-stress prevention strategies, such as providing cool drinking water, encouraging hydration breaks, and offering cooling stations or shaded rest areas, for individuals working in hot or poorly ventilated environments.</li> </ul>		
			- Regularly monitor air quality to gauge the effectiveness of implemented ventilation control measures and make adjustments as needed to maintain optimal working conditions.			
			<ul> <li>Establish a comprehensive and organised housekeeping plan to minimise clutter, discarded materials, and potential ignition sources, in turn reducing the risk of fires or other incidents related to inadequate lighting or ventilation.</li> </ul>			
			<ul> <li>Review the SWMS periodically and after any significant changes in the work environment or processes to ensure the implemented control measures remain effective in mitigating hazards tied to poor ventilation and inadequate lighting during gas welding and cutting operations.</li> </ul>			
2. Equipment Inspection	Damaged hoses, Faulty regulators	3H	- Implement regular inspection of all equipment, including hoses, regulators, and attachments, to ensure they are in good working condition and free from damage.	1L		

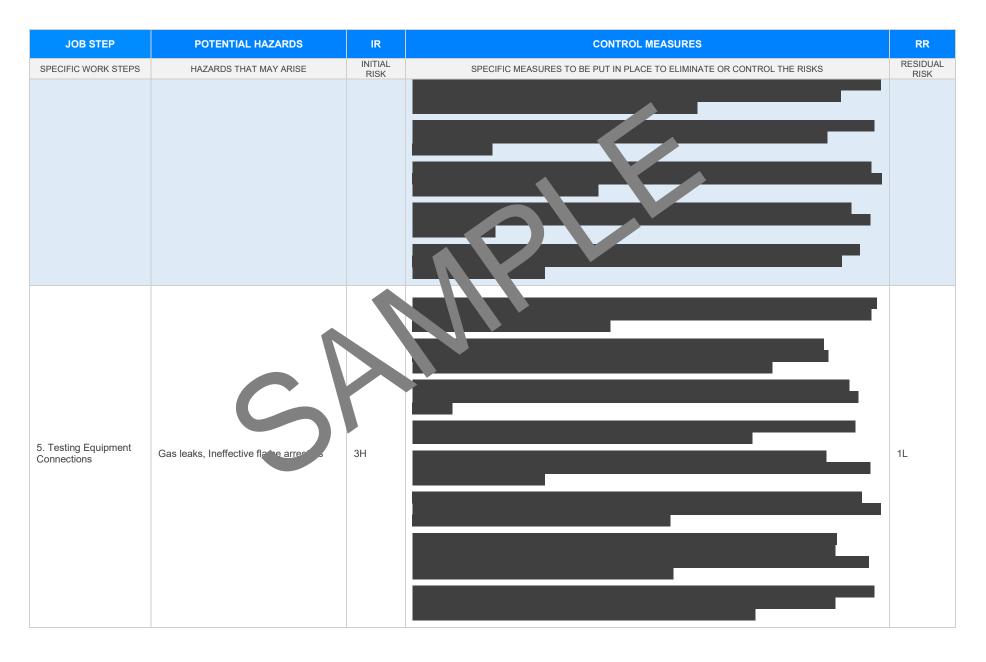


JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
			- Train the workers to recognise visual signs of wear and tear on hoses and regulators, such as cracks, bulges, or leaks.	
			- Ensure that any damaged equipment is immediate agged and removed from service until repairs or replacements can be made.	
			- Develop and enforce a maintenance scheme te for all game elding and cutting equipment to preemptively address potential issues or any deterioration used to extended use.	
			- Store hoses in a secure manner to prevent an, cidental damage, kinks, or exposure to extreme temperatures and chemicals	
			- Regularly check hose connections and fittings for the tracks, corrosion, and any other defects, replacing them as necessar	
			- Equip works, with appropriate percental processive equipment (PPE), including gloves, safety glasses or face shields, a Ufire-resise of clothing and week them from hazards associated with damaged hoses and faulty could on the same set of the same set o	
			- Ado, it stry be practices to ensure compatibility between regulators and their corresponding cylinder, the mining the risk of malfunctions due to mismatches.	
			- Estable n an energence Response Plan (ERP) to outline clear procedures for reporting and addressing vidents involve damaged hoses and faulty regulators during gas welding and cutting operations.	
	1		- Proceda, priodic training sessions for all employees on emergency response protocols, specifically ighlight, the importance of staying vigilant and taking immediate action upon the identification of a rard.	
			- Establish guidelines to limit the use of gas welding and cutting in designated areas, where the risk of ires, explosions, and other hazards can be more easily managed and mitigated.	
			- Foster open communication between workers in order to encourage the prompt reporting of any damaged hoses, faulty regulators, or other observed hazards.	
			- Conduct regular audits and reviews of workplace health and safety policies, procedures, and equipment conditions to ensure ongoing compliance with Australian regulations and industry best practices.	
			- Conduct a thorough PPE assessment: Before starting any welding or cutting tasks, identify the specific hazards present and determine the type of PPE required to protect workers from these hazards effectively.	
3. Personal Protective	Inadequate PPE, Incorrect sizing	2M	- Provide appropriate PPE training: Educate all employees involved in gas welding and cutting tasks about the correct use, maintenance, and storage of their PPE to ensure maximum safety while performing their duties.	1L
Equipment (PPE)			- Inspect PPE regularly: Develop a system for inspecting all PPE periodically, checking for damage, wear, and tear. Replace any worn-out or damaged equipment immediately to maintain the highest level of protection.	
			- Ensure correct sizing and fit of PPE: Properly size and fit each worker's personal protective equipment, including gloves, goggles, face shields, aprons, and safety boots to prevent exposure to hazards due to inadequate or ill-fitting equipment.	

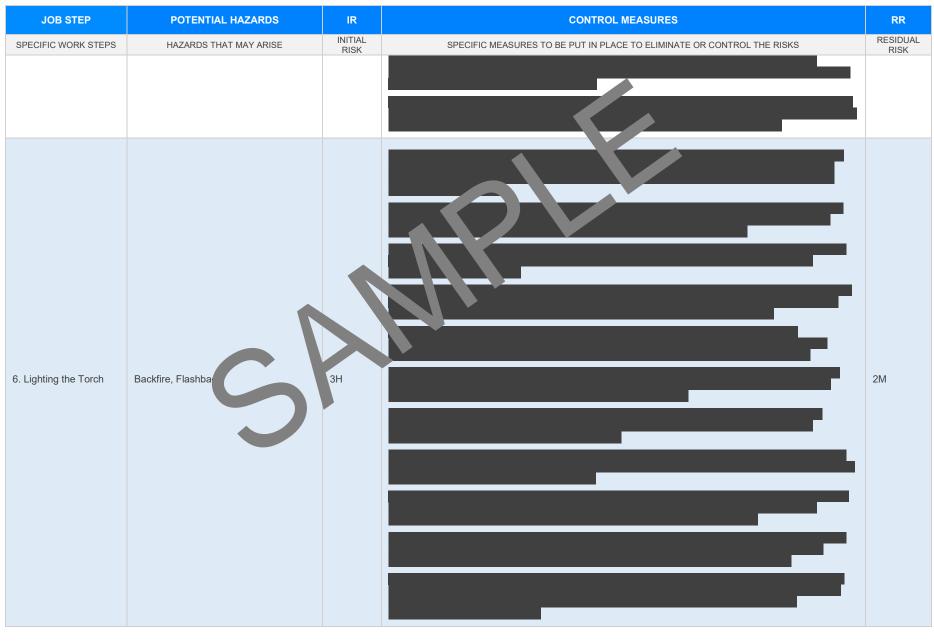


JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
			<ul> <li>Supply separate work clothing: Provide flame-resistant work clothes specifically designed for welding tasks to minimise the risk of burns due to stray sparks, molten metal splashes, or contact with hot surfaces.</li> <li>Implement proper ventilation and fire preventile measures: Ensure the workspace has adequate ventilation, and all potentially flammable metals are stored away from welding and cutting areas to reduce the chance of heat-related injuries.</li> <li>Utilise safe practices for handling fuel gases. The welders on proper procedures for handling fuel gases and cylinders, such as ensuring that hose are free of kinc, leaks, and using flashback arresters to</li> </ul>	
			<ul> <li>prevent backflow incidents.</li> <li>Use appropriate event backflow incidents.</li> <li>Use appropriate event backflow incidents.</li> <li>Use appropriate event backflow incidents.</li> <li>Ise appropriate event backflow incidents.</li> <li>Encourage final event brands: Encourage or event brands: Encourage final event brands: Encourage final event brands: Encourage final event associated with wearing heavy PPE for extended periods.</li> <li>Implying the particulate for event and maintenance programme: Establish procedures for repairing or replacing data aged head, and maintaining a stock of spare equipment to ensure that workers always have</li> </ul>	
			access the otective ear they need while performing gas welding and cutting tasks.	
4. Setting Up Workspace	Trip and fall hazards, Po housekeeping	2M		1L

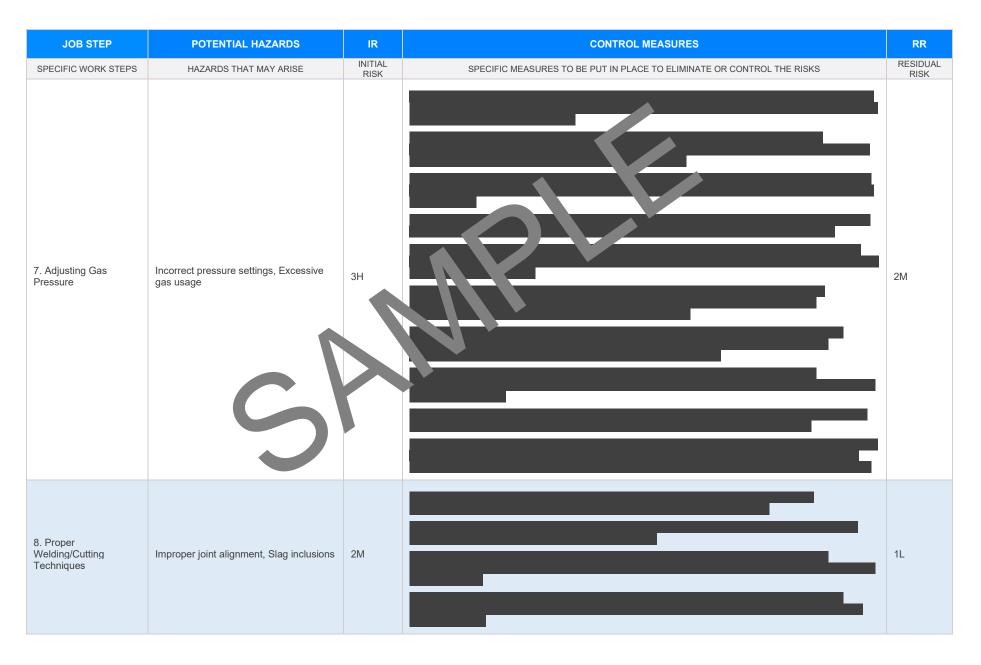




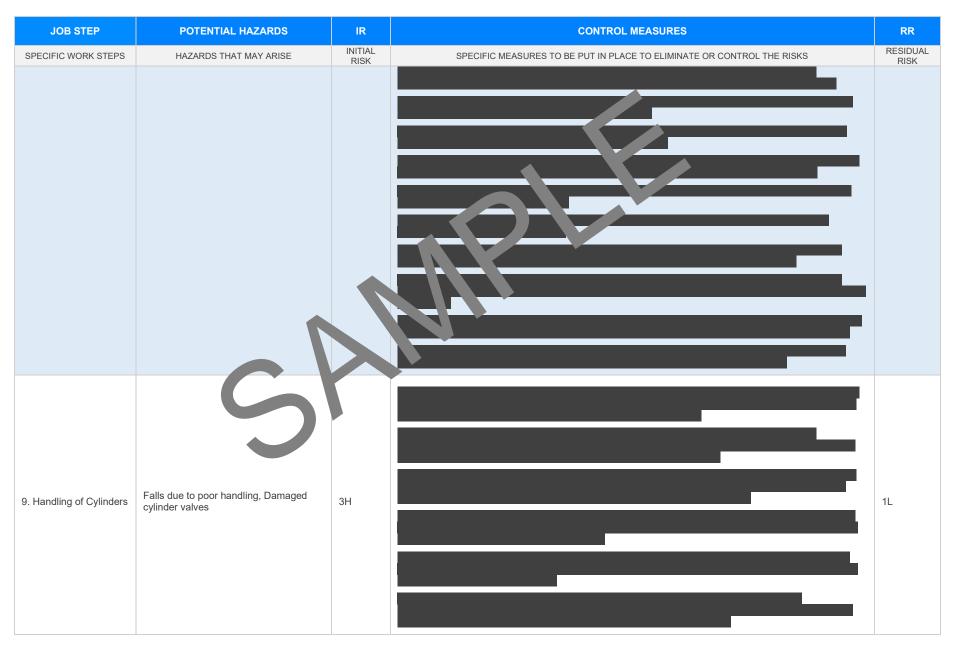




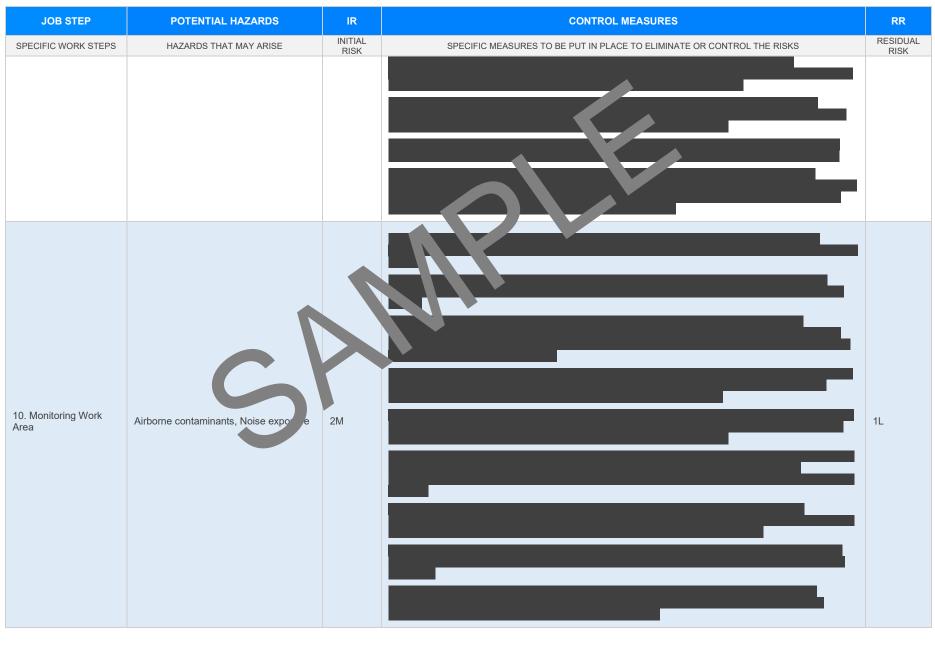




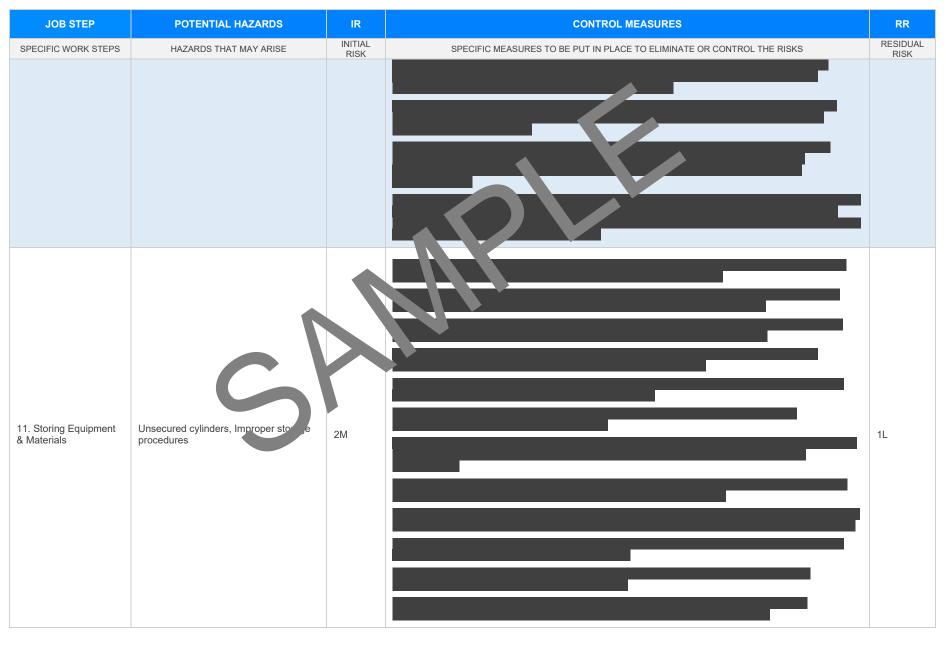














JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
12. Emergency Procedures	Lack of response plans, Inadequate fit extinguisher access			



#### **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 REF	ERENCES
RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGISL	ATIVE 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: 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	Victoria Occupational Health au Safety Act 204 Occupational Health and onfetve gulations 2017 Legis non VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and- rulations</u> onles of mactice VIC <u>entps://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 2015 Legislation NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/weigelace-serve-laws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/weigelace-serve-laws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/weigelace-serve-laws</u>	Safe Work Australia Links Law and Regulation (All States): <u>https://www.safeworkaustralia.gov.au/law-and-regulation</u> Model Codes of Practice: <u>https://www.safeworkaustralia.gov.au/resources-publications/model- codes-of-practice</u>
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	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
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: <u>https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations</u> Codes of Practice for TAS: <u>https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice</u>	<ul> <li>First and 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> <li>Work health and safety consultation, cooperation and coordination</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 - Any required documents.	<ul> <li>Work neath and safety constitution, 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>



#### 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 gualifications 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 N THE ST ATEM ANT MONITORING AND REVIEW

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

d must reviewed (and viewn should be carried out in hav be sted by the operation

When the SWMS has been revised the PCBU must ensure that persons involved with the work are advised that a revision has been made and how they can acces he revised SWMS, including all persons who will need to change a work procedure or system as a region of the review are advised of the changes in a way that will enable them to implement their duties antly 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	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.		
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.	$\boxtimes$	
Foreseeable hazards are identified and documented for each step.	$\boxtimes$	
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.	$\boxtimes$	
Check control measures added to the SWMS are the most effective selections	$\boxtimes$	
Responsible person is assigned and listed on the part the importation control measures.	$\boxtimes$	
Permit or licenses requirements specified, su as Hot Work, Electric Work, Work at Heights etc.	$\boxtimes$	
SWMS identifies plant and equipment to be use	$\boxtimes$	
Details of inspection checks required for any equipment listed protection on the SWMS.	$\boxtimes$	
Describes any mandatory qualifications, experience, and g or skills required to perform the work.	$\boxtimes$	
Applicable personal protective equipment is selected on the SWMS.	$\boxtimes$	
Reflects and documents any legislative references and/or Australian Standards.	$\boxtimes$	
Identifies any hazardous substances used with specific control measures in line with any SDS.	$\boxtimes$	
REVIEWED BY	DATE RE	VIEWED
SIGNATURE	DATE COM	IPLETED