



Gas Cylinder Storage And	Safety   SAFE WORK MET	HOD STATEMENT (SWMS)	
TASK OR A	ACTIVITY: Gas Cylinder Storage	And Safety	
Business Name:		ABN:	SWMS#
Business Address:			
Contact Person:	Phone:	E 1il:	
THIS SAFE WORK METHOD	STATEMENT IS APPRO' D 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 o (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 vell as review	s and modifications of the SWMS.	
Full Name:		Title:	Phone:
ALL PERSONNEL PARTICIPATING IN ANY ACTIVITY ON THIS MIS MIS MIS MIS MIS MIS MIS MIS MIS M	NA, ¿ 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 continuate hazard.			
If an incident or a near miss occurs, all work must sto, an alately. 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	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	otes on Hierarchy of Controls: Elimination methods are the most effective and preferrence on the second most effective method of controlling a hazard. Engineering by isolation is the life toost entitive, while Administrative ontrols by changing the work is the fourth most effective method. PPE (Personal Protective Equament), the least effective								

				PERS		TIVE EQUIPM					
		Select the app	propriate PPL	abo√ ≃uitab	ic 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	R PIRATORY 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	Improper storage, Tripping over equipment	ЗН	<ul> <li>Conduct a comprehensive risk assessment or identify potential hazards associated with gas cylinder storage and develop an appropriate safety in n.</li> <li>Arrange training sessions for staff on proper to the ground of gas cylinders to ensure everyone is aware of safe procedures.</li> <li>Designate a specific storage to a for gas cylinders that it coull-ventilated, away from direct sunlight, heat sources, and ignition or total.</li> <li>Use sturdy charts, racks, bracings to secure as cylinders in an upright position to prevent them from tipping overs.</li> <li>Clear clabel and segment full and energy cylinders to prevent confusion and ensure proper inventory manales as ent.</li> <li>Implies the puttine tracks and maintenance schedules to inspect cylinders for any signs of damage, leaks, or contrion.</li> <li>Maintain clears cess paths around the storage area by regularly removing any unnecessary equipment on estructions to inimise tripping hazards.</li> <li>Ensure a storage area is equipped with appropriate safety signage indicating the presence of annuable or hazardous materials.</li> <li>Apply non-slip floor coatings or mats where necessary to reduce the risk of slips, trips, and falls around the storage area.</li> <li>Provide personal protective equipment (PPE) such as gloves, safety glasses, and steel-toed boots for personnel involved in handling gas cylinders.</li> <li>Develop and communicate emergency procedures for dealing with gas leaks, fires, or other incidents, including evacuation routes and emergency contact numbers.</li> </ul>	2M
2. Inspection Before Use	Gas leaks, Cylinder damage	4A	<ul> <li>Conduct a thorough visual inspection of each gas cylinder for any signs of damage such as dents or rust before use.</li> <li>Check cylinder valves and connections for tightness to prevent potential gas leaks.</li> <li>Use soapy water or a commercial leak detection spray on cylinder connections to identify any leaks, ensuring no bubbles form before proceeding.</li> <li>Verify that the correct cylinder is being used by checking labels and markings to prevent chemical exposure or reactions.</li> <li>Ensure the cylinder storage area is well-ventilated and free from sources of ignition to mitigate the risk of explosion.</li> <li>Confirm that all safety caps are secured when cylinders are not in use to protect valve mechanisms from damage.</li> </ul>	ЗН



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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
			- Report any cylinders with visible defects or suspected leaks immediately and remove them from service until assessed by a qualified professional.	
			- Make sure that personal protective equipment (Projection as gloves and goggles is worn during inspection to prevent contact with hazardous projections.	
			- Maintain an up-to-date inventory check on linders for their condition and expiry dates to ensure compliance with safety standards.	
			- Ensure that employees conducting inspections we received moper training on the recognition of potential hazards related to good cylinders.	
			- Keep inspection records for exceptinder to track a mance history and ensure accountability.	
			- Ensure all a sonnel invo d in transporting unders are trained in safe manual handling techniques and cylinder to sportation procedure.	
			- Use copriate of ps or carts designed for secure cylinder transport to prevent physical strain or injury.	
			- Secure cylinders with appropriate restraints, such as straps or chains, to prevent them from getting loose during to appropriate restraints, such as straps or chains, to prevent them from getting loose during to appropriate restraints.	
			- form egular aintenance checks on transportation equipment to ensure they are in good working cond. The discontinuous and can handle the weight and size of the cylinders.	
			imit the number of cylinders transported at one time to reduce the risk of accidents or injuries.	
			- A ays keep cylinders upright during transport to prevent leaking or falling.	
. Transporting	Dhysical injury Co. described		- Avoid transporting cylinders through areas with uneven surfaces, stairs, or high foot traffic to minimise risk.	204
Cylinders	Physical injury, Conder getting e	ЗН	- Mark transportation routes clearly and keep them free of obstacles to ensure easy and safe transit of cylinders.	2M
			- Use vehicles with appropriate securing mechanisms, like cylinder clamps, when transporting multiple cylinders by vehicle.	
			- Label cylinders correctly with their contents and hazards so that all personnel are aware of risks involved.	
			- Never allow cylinders to roll around freely; ensure they are fastened securely before starting transport.	
			- Discuss emergency procedures with the team ahead of any transport operation in case a cylinder gets damaged or leaks.	
			- Maintain effective communication among personnel involved in the transport process to coordinate movements safely and efficiently.	
			- Conduct a risk assessment before beginning the transport process to identify potential hazards and implement necessary control measures.	
1. Setting up the Cylinder	Cylinder falling, Incorrect set up procedures	4A		3H



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5. Connecting Regulators and Hoses	Gas leaks, Incorrect installation	4A		3H



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6. Testing for Leaks	Exposure to hazardous gas, Gas ignition	4A		1 2M



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7. Lightning the Gas	Explosion, Burns	4A		2M
8. Using the Gas	Fire, Exposure to harmful gas	4A		3H



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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
	1			
0.01 111 12	Sudden pressure release. Leaving e			214
9. Shutting Down	Sudden pressure release, Leaving e gas supply on	4A		2M
				_
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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
10. Removing Regulator and Hose	Gas spray, physical injury	3H		2M
11. Returning and Storing Cylinders	Improper storage causing leak, Accident during transportation	4A		2M



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. Reporting Incidents	Inadequate information leading to furt incidents			1L
13. Review of Safe Work Method	Missed hazards, Ineffective control measures	ЗН		2M



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	•			
14. Training and Supervision	Untrained staff, Insufficient super on	3H		1L



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15. Personal Protective Equipment (PPE)	Incorrect usage, Damage or deterioration of PPE	ЗН		2M
16. Emergency Procedures	Delayed response time, Lack of training	ЗН		<b>1</b> L



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17. Regular Maintenance and Inspection	Missed faults, Equipment failure	4A		2M
18. Site Safety Procedures	Non-compliance to safety procedures, Unsafe environment	3H		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	RESIDUAL RISK
19. Gas Monitor and Alarm System	System failure, Lack of response during alarm	ЗН		2M



SPECIFIC WORK STEPS HAZARDS THAT MAY ARISE INTITUL RISK SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS RESIDUAL RISK.  20. Waste Management Chemical exposure Environment pollution SH Delution SH Del	JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
20. Waste Management Chemical exposul Environment 3H	SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
	20. Waste Management	Chemical exposure Environment pollution	ЗН		2M



#### **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/legislatide

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/worksafe.nt.gov.au/laws-and-compl

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

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.		
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 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 as a person is a		
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, and 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