



Gas Cylinders Storage And	Handling SAFE WORK ME	ETHOD STATEMENT (SWMS))
TASK OR AC	CTIVITY: Gas Cylinders Storage	And Handling	
Business Name:		ABN:	SWMS#
Business Address:			
Contact Person:	Phone:	E fil:	
THE SAFE WORK METHOD	OTATEMENT IO APPROVED DV	THE DO LOS THE GOLDON	
Under the Work Health and Safety Regulation (WHS Regulation), a person conduc	STATEMENT IS APPROX 0 BY string a business or under 10 (PC 1) is	required to en that a safe work method s	statement (SWMS) is prepared before
the proposed work starts. Full Name:			
ruii Name.			
Signature:		Title:	Date:
Details of the person(s) responsible for ensuring implementation, monitoring	poliance the VMS a well as review	s and modifications of the SWMS.	
Full Name:	10.	Title:	Phone:
ALL PERSONNEL PARTICIPATING IN ANY ACTIVITY ON THIS & (MS M) HAVE THE FOLLOWING COMMUNICATED	NA. 2 OF ALL RELEVANT PERSONN 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 ed in account with gislative requirements to first identify any site hazards, comparing those hazards and then to further take steps to either eliminate or continued hazard.			
If an incident or a near miss occurs, all work must sto, an attely. 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 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



RISK MATRIX										
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE	MAJOR	CATASTROPHIC	SCORE	ACTION	HEI	RARCHY OF CONTROLS	
ALMOST CERTAIN	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4 ACUTE	SCORE ACTION -	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	e 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	rchy of Controls: ost effective metho nging the work is th	d of controlling a	hazard. Enginee	ering by isolati	on is the in ost e	en 'ive, while	rd. Substitution Administrative effective		Administrative Change the work. PPE	

				PERS		TIVE EQUIPM					
		Select the app	ropriate PPŁ	abo. auitab	le 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	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			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	Unsafe storage location, Inadequate cylinder restraints	2M	 Select a suitable storage location, ensuring as well-ventilated, free from ignition sources, and protected from extreme temperatures and direct sunly. Store gas cylinders in a designated area with the private signage indicating the presence of pressurised gases and any potential hazards. Install anti-slip flooring in the corage areas to present as cental slippage when moving or handling cylinders. Implement cylinder restrates, such as securing chains, straps or purpose-built brackets, to prevent cylinders from alling or roll of in the corage area. Utility sylinder aps or parads on all sheed cylinders to protect valve stems from accidental damage or actives. Ensure the incomplete gases are stored separately, maintaining a minimum distance of 3 meters (10 ft) between it amable and oxidizing gas cylinders. Implement a notion, first-out inventory system for gas cylinders, to ensure older cylinders get used be to a neter once and decrease the risk of improper handling due to outdated equipment. Regular inspect and maintain cylinder storage facilities, including restraints and the storage vironment, to ensure they remain effective and fit for purpose. Trum personnel involved in the handling and storage of gas cylinders regarding proper procedures, safety precautions, and emergency response protocols. Establish an emergency response plan in case of gas leaks, fire, or other incidents involving stored gas cylinders, including regular drills and training for employees. Encourage the use of personal protective equipment (such as heavy-duty gloves, safety glasses, and steel-toed boots) by staff when handling gas cylinders. Regularly review and update the safety data sheets (SDS) for all gases stored on-site, ensuring staff 	1L
			have access to this information for reference and training purposes. - Conduct routine audits to monitor compliance with safety regulations, as well as the effectiveness of established control measures, adjusting them as necessary to maintain a safe working environment.	
2. Cylinder Inspection	Damaged cylinders, Leaking valves	3Н	 Regular visual inspections: Conduct routine visual examinations of gas cylinders for any signs of damage, such as dents, gouges, rust, or signs of heat exposure. Proper signage and labeling: Ensure all gas cylinders are clearly labelled with their contents and hazard classification, in accordance with relevant regulations. Trained personnel: Only allow trained and authorised individuals to handle and inspect gas cylinders. Use of personal protective equipment (PPE): Require workers handling gas cylinders to wear appropriate PPE, including gloves, eye protection, and closed-toe shoes. 	1L



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			- Leak detection methods: Implement proper leak detection methods, such as conducting pressure tests or using a soapy water solution, to check for leaking valves during inspection.	
			- Integrity of cylinder: Verify the integrity and expired a date of gas cylinders according to the manufacturer's recommendations and regulator equirements.	
			- Appropriate storage conditions: Store gas, finders in designated areas away from direct sunlight, heat sources, moisture, and potential ignition sources, core, ing with storage guidelines for respective gases.	
			- Proper handling procedures: Train workers on appropriate handling techniques and usage of tools, such as hand trucks or cyline carts, when moving as cylines.	
			- Cylinder segregation: Segregation damaged or leaking unders from intact ones and mark them clearly to prevent accidental accidenta	
			- Periodic manusce: Per trim penaltic main mance and servicing of cylinders by qualified technicians per the manuscuturer's recommendation and regulatory requirements.	
			- Representation - Repr	
			- Emery no, response than: Develop and implement an emergency response plan specific to incidents involvint gas finders, usuring that all workers are familiar with their roles and responsibilities.	
			- posa of dan ged cylinders: Dispose of damaged or non-compliant gas cylinders according to applicate disposal guidelines, handling procedures, and waste management practices.	
			Continuous improvement: Regularly review inspection practices, worker training programs, and risk in agement strategies to identify opportunities for improving gas cylinder safety in the workplace.	
			- Conduct a risk assessment beforehand to identify potential hazards and determine appropriate control measures in accordance with relevant Australian Standards, Codes of Practice, and industry guidelines.	
			- Provide appropriate Personal Protective Equipment (PPE) for workers, including gloves, safety footwear, and high-visibility clothing to minimise the risk of injury while handling gas cylinders.	
			- Train workers in proper manual handling techniques, including how to lift, carry, push, and pull gas cylinders, as well as the correct use of handling equipment like trolleys or cranes.	
3. Moving Cylinders	Manual handling injuries, Struck by	3H	- Perform regular maintenance and inspection of cylinder handling equipment to ensure it's in good working order and fit for purpose.	2M
,	falling objects		- Implement an appropriate storage system for all gas cylinders, ensuring that they are clearly labelled and secured using appropriate restraining devices such as cylinder clamps or chains.	
			- Establish a clear procedure for transporting gas cylinders within the work area, including designated routes, speed limits, and walkways to avoid collisions or accidents.	
			- Ensure any lifting or moving is performed only by trained and competent personnel, using dedicated equipment designed specifically for handling gas cylinders.	
			- Avoid stacking gas cylinders too high and keep heavy or larger cylinders on lower levels to reduce the risk of falling objects.	



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			- Utilise designated cylinder loading and unloading zones, making sure these areas are kept free from obstructions and properly marked with signage to limit the likelihood of accidents.	
			- Keep empty cylinders separated from full ones, a seell as incompatible gases stored separately to prevent accidental leakages, mixing, or other bandous situations.	
			- Implement a routine inspection schedule theck for sit of damage or leaks on gas cylinders, ensuring timely detection and mitigation of puntial bounds.	
			- Encourage open communication and reporting tween worker and supervisors regarding any concerns about the storage to thandling process cluding in uffying potential hazards and near misses.	
			- Continually review and late is kplace policies, procedures, and training materials related to the moving, storage and hand any of go cylinders aduring that they stay current with industry best practices and any release t legislative hanges.	
4. Connecting Regulators	Incorrect connection, Gas leaks	3H		1L



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5. Opening Cylinder Valves	High-pressure gas trease, Valve failure	44		2M



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6. Igniting the Gas	Uncontrolled ignition, Fire hazard	3H		1L
7. Operating Equipment	Improper use, Malfunctioning equipment	2M		1L



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8. Cylinder Replacement	Disconnecting regulator, Exposure to high-pressure gas	3H		1L



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9. Emergency Response	Delayed response, Lack training	2M		1 L



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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
10. Ventilation Assessment	Insufficient ventilation f gas	2M		1L



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11. Cylinder Transportation	Insecure load, Vehicle callision	3H		



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12. Cylinder Disposal	Unauthorised disposal, Hazardous waste exposure	1L		1L



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/legislati

Codes of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis codes-of ractions of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis codes-of-ractions-of-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/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_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 Infety gulations 2017

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

gulat

des on actice VI autros://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							





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 pleted.			
Check control measures added to the SWMS are the most effective selections			
Responsible person is assigned and listed on the part the important control measures.			
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 an inoted 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 REVIEWE	D	
SIGNATURE	DATE COMPLETED		