



Handling Of Oxygen Cylinders In	Science Labs SAFE WOR	RK METHOD STATEMENT (S)	WMS)
TASK OR ACTIVIT	ΓΥ: Handling Of Oxygen Cylinde	rs In Science Labs	
Business Name:		ABN:	SWMS#
Business Address:			
Contact Person:	Phone:	E jil:	
THIS SAFE WORK METHOD	STATEMENT IS APPROTO BY	THE PCL OF THE ROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a person conduct the proposed work starts.	eting a business or under a (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 well as review	s and modifications of the SWMS.	
Full Name:		Title:	Phone:
ALL PERSONNEL PARTICIPATING IN ANY ACTIVITY ON THIS S /MS M' HAVE THE FOLLOWING COMMUNICATED	NA, 2 OF ALL RELEVANT PERSONNI EVELOPMENT AND APPROVAL OF	EL WHO HAVE BEEN CONSULTED AND CO THIS SWMS	OMMUNICATED TO IN THE
Safety meetings or toolbox talks will be sched and in account with gislative requirements to first identify any site hazards, and then to further take steps to either eliminate or continuous each hazard.			
If an incident or a near miss occurs, all work must sto, adately. 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	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	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 VALTA TECTIVE EQUIPMENT (PPE)										
		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	Inadequate personal protection, improper handling of oxygen cylinders	3H	 Ensure all personnel are trained in the safe candling of oxygen cylinders prior to commencing work. Provide and enforce the use of appropriate prsonal exective equipment such as safety gloves, goggles, and steel-toed boots. Conduct a pre-use inspection of all oxygen cylinders for any gar's of damage or defects. Store oxygen cylinders upright and secure them we are as or straps to prevent them from falling over. Maintain clear hours on poxygen cylinders indicating their contents and hazard level. Establish are ar area free of obstructions for cylinder handling and storage. Improvent structure-structure golicies area ensure there are no open flames in proximity to oxygen cylinders. Use to life for cylinder carts designed specifically for transporting oxygen cylinders to avoid manual lifting. Pestric access in the storage and handling areas to authorised personnel only. Regions audit workplace procedures to ensure compliance with relevant Australian safety standards and region ins. upp a comprehensive emergency response plan in place, including steps to take in case of a gas leak or are. Designate a well-ventilated area for oxygen cylinder storage to reduce the accumulation of any leaked gases. Clearly display and communicate emergency contact information and location of nearest eye wash stations and first aid kits. 	1L
2. Inspection of Oxygen Cylinders	Missing seals or defects, unregulated pressure output	3Н	 Conduct a visual inspection of each oxygen cylinder for any visible signs of damage, including dents, rust, or corrosion. Verify that each cylinder has a proper identification label and that the label is clearly legible. Check the seal on the cylinder valve to ensure it is intact and has not been tampered with. Ensure that all cylinders are within their inspection and testing date requirements per relevant Australian Standards. Examine the pressure regulator for any signs of damage or wear, such as cracks, leaks, or degraded seals. Confirm that the pressure gauge is functioning correctly and shows no erratic readings. Use only approved regulators and fittings compatible with the oxygen cylinders being inspected. Ensure that cylinders are stored and positioned upright and secured to prevent tipping over during inspection. 	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
			- Make sure that only trained personnel perform inspections, using appropriate personal protective equipment.	
			- Implement a tagging system to identify cylinders that have passed inspection versus those needing further attention or removal from service.	
			- Maintain a log of inspections, repairs, and aintenance tivities to track cylinder and equipment condition over time.	
			- Ensure all personnel involvation transport are transd in programmed and safety procedures for oxygen cylinders.	
			- Use appropriate carts ecifically designed for cylinder transport to prevent rough handling.	
			- Secure the under firmly the tro using propriate straps or chains to prevent movement during transport.	
	Rough transport damaging cylinder, uncertain footing		- Instant he path for well beforehand to identify any potential obstacles or uneven surfaces that could pose to it.	
			- Clear te to sport p to of any tripping hazards, such as cords or debris, before moving cylinders.	
			Limit the number of cylinders transported at one time to ensure safe handling and control.	
			- At some protective cap securely on the cylinder when not in use to protect the valve from tamage.	
Cylinder Transport			of orce a policy requiring personnel to wear appropriate personal protective equipment, including safety focusear with non-slip soles.	2M
			- Communicate clear guidance on manual handling techniques to avoid muscle strain or injury.	
			- Instruct personnel to maintain a slow and steady pace when transporting cylinders to avoid sudden movements that could tip them over.	
			- Arrange for a second person to assist with transport if the cylinder is large or heavy, particularly across difficult terrain.	
			- Conduct regular inspections and maintenance of transport equipment to ensure it is in good working condition.	
			- Establish clear emergency procedures in case of an accidental release of oxygen or cylinder fall during transport.	
			- Use signage and visual cues to mark transport pathways clearly, ensuring full visibility and guidance.	
	Incorrect setup procedures, insufficient			
4. Setup in Lab	ventilation	3H		1L



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5. Connection to Equipment	Ignition sources nearby, incorrect connection causing leak	ЗН		I 1L



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6. Opening Valve	Rapid release of gas, incorrect operating procedure	2M		1L
7. Usage of Cylinders	Prolonged exposure, improper usage technique	ЗН		2M



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8. Shutting Down Procedure	Faulty valve creating risk wack of proper instructions	ЗН		1L



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9. Cylinder Storage	Incorrect storage causing damage, inadequate indoor air quality due to leaks	4A		1L
10. Emergency Procedures	Lack of knowledge about emergency procedures, failure to execute evacuation plans	4A		2M



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11. Regular Safety Check-Up	Negligence in safety measures, overlooked hazards			1L
12. Empty Cylinder Handling	Mishandling causing injury, inadequate transportation methods	2M		1L



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13. Trading/Replacing Cylinders	Mismanagement during shape exposure to gas while changing	2M		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
14. Disposing Defective Cylinders	Incorrect disposal process, potential damage from residual gas	ЗН		2M
15. Training and Practicals	Insufficient training leading to mishandling, Lack of practice resulting in slower reaction times	4A		2M



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	1			
16. Reviewing Incident reports	Incomplete report causing repeated mistakes, lack of remediation plan	3H		1L



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17. Regular Maintenance Checks	Inconsistent checks leading to unnoticed faults, inadequate maintenance procedures	ЗН		1L
18. Updating Safety Regulations	Outdated regulations increasing risk, inadequate monitoring of updates	ЗН		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. Promoting Safety Culture	Disregard for safety practices, lack of continuous reinforcement	2M		1



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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
				:
20. Auditing Compliance Levels	Non-compliance leading to notential accidents, poor audito, procuaures			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

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 al. Safety Act

Occupational Health and Infety gulations 2017

Legis on VIC: https://www.csafe.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 as support ractors 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 pleted.		
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