



Possible Exposure To Carbon	Monoxide   SAFE WORK	METHOD STATEMENT (SWM	S)
TASK OR ACT	IVITY: Possible Exposure To Ca	rbon Monoxide	
Business Name:		ABN:	SWMS#
Business Address:			
Contact Person:	Phone:	E fil:	
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 the (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 : MS M	NA, 2 OF ALL RELEVANT PERSONNE EVELOPMENT AND APPROVAL OF	EL WHO HAVE BEEN CONSULTED AND CO	OMMUNICATED TO IN THE
Safety meetings or toolbox talks will be sched and in account with gislative requirements to first identify any site hazards, 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, an atalety. 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	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		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	Potential of carbon monoxide exposure, Incorrect handling of materials and equipment	ЗН	- Conduct a thorough risk assessment before commencing work to identify potential sources of carbon monoxide and assess the level of risk for execute.  - Ensure all workers are trained in recognising or comes of carbon monoxide exposure and know the emergency procedures to follow in case of suspiced exposure.  - Implement proper ventilation, careas where carbon more use may accumulate, such as maintaining adequate airflow using a baust loss or natural ventils.  - Regularly main and in sectices ament that his the potential to emit carbon monoxide, ensuring they are in good forking order to look less and carty operation.  - Use cobon monoxide sectors in worderess to monitor levels consistently, and ensure detectors are calibrated and furching properly.  - Estat, shore word istances from potential carbon monoxide sources, minimising time spent near these sources when possible.  - Provide person protective equipment (PPE) like breathing apparatus to employees when elimination or so tritution of carbon monoxide is not feasible.  - Ensure at hazardous areas are well-marked with appropriate signage to alert workers to the presence carbon monoxide and restricted access.  - In plement safe handling procedures and protocols for materials and equipment that could potentially cause carbon monoxide emissions.  - Schedule regular training sessions to educate workers on updated safety protocols, new equipment use, and changes in legislative requirements related to carbon monoxide exposure.  - Develop and implement an emergency response plan specifically for incidents involving carbon monoxide exposure, including immediate evacuation procedures if necessary.  - Encourage a reporting culture among workers to immediately inform supervisors of any equipment malfunctions or health symptoms indicative of carbon monoxide exposure.	2M
2. Equipment Familiarisation	Not knowing proper use of equipment, Potential for carbon monoxide leak during operation	ЗН	<ul> <li>Conduct thorough training sessions for all employees on the proper use and operation of equipment, ensuring they understand the functions and safety features.</li> <li>Provide comprehensive inductions for new staff members about potential hazards related to carbon monoxide exposure and equipment handling.</li> <li>Affix clear and visible operating instructions and safety warnings on or near the equipment.</li> <li>Implement a buddy system when using equipment for early detection of improper use or signs of carbon monoxide exposure.</li> <li>Establish a rigorous inspection routine for monitoring equipment conditions and detecting possible leaks before use.</li> </ul>	1L



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			- Ensure regular maintenance checks and servicing by qualified technicians to prevent equipment faults leading to leaks.	
			- Develop and enforce standard operating procedule that include steps for safe equipment usage and emergency response actions.	
			- Supply personal carbon monoxide detect. for employed to wear, helping identify hazardous gas levels quickly.	
			- Designate well-ventilated work areas specification or equipment that poses a risk of carbon monoxide release.	
			- Install fixed carbon monoxide election systems in where there is a risk of buildup, with alarms that trigger at safe election systems in the system in the s	
			- Ensure effective communation channels are a place to alert staff promptly if any carbon monoxide risk is identified.	
			- End the standard and symptoms of carbon monoxide exposure immediately and consult medical profes of sifnered.	
			- Arran, apendic remaker courses on equipment use and safety protocols to reinforce knowledge and address any conges in procedures.	
			intail an east accessible list of emergency contacts and procedures near workstations for quick actio. Yuing emergencies.	
			- sure adequate ventilation by keeping windows and doors open to facilitate air circulation.	
			Use mechanical ventilation systems such as fans or exhaust hoods to disperse carbon monoxide.	
			- Install carbon monoxide detectors in the workspace to monitor gas levels continuously.	
			- Conduct pre-work inspections to identify areas prone to poor ventilation and rectify them before commencing work.	
			- Limit the use of internal combustion engines indoors, opting for electric alternatives when possible.	
3. Area Setup	Poor ventilation leading to carbon monoxide accumulation, Inadequate	4A	- Schedule regular maintenance for equipment prone to emitting carbon monoxide to ensure they are functioning efficiently.	2M
	workspace setup increasing chance of gas build-up		- Implement a rotation schedule to minimise prolonged worker exposure to any potential carbon monoxide build-up.	
			- Educate workers on identifying symptoms of carbon monoxide poisoning and protocol for reporting them immediately.	
			- Develop an emergency response plan specific to carbon monoxide exposure, including evacuation procedures.	
			- Clearly mark zones with risk of poor ventilation and restrict access to authorised personnel only.	
			- Use portable gas analysers as an additional measure to check carbon monoxide concentrations during tasks.	



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4. Safety Checks	Machinery faults causing CO leaks, Usage of unfit safety gear	3H		1L
5. Operation Start	CO infection during ignition, Incorrect usage of controls causing accidental spills or leaks	ЗН		2M



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6. Regular Inspection	Faults overlooked aring inspection leading to CO leal. Stress from extended work	3H		1L



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7. Continuous Operation	Continuous exposure to low levels of CO, Mechanical failure leading to CO escape	4A		2M
8. Break Periods	Inactive machines still omitting CO, Staff leaving CO sources unattended	2M		1L



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	•			
9. Operation Resume	Re-exposure after break periods, Ignoring symptoms of postnial Copoisoning	3H		2M
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10. Final Inspection	Workers' contact with CO filled locations, Overlooked machinery defects leading to last-minute leaks	ЗН		1L
11. Equipment Shutdown	Remaining CO in system during power down, Improper shutdown leading to CO discharge	ЗН		1L



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				•
				•
12. Packing Up	Handling objects exposed to CO, Inappropriate disposal of CO infus waste	2M		1L
				1



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13. Reporting	Failure to report CO exposure incidents, Miscommunication about CO related dangers	2M		1L
14. Review of Safety Procedures	Noncompliance or complacency about safety measures, Inadequate periodic review increasing long term CO risk	2M		1L



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15. Post-Work Health Checks	Overlooked health the toric was careed by CO, Delayed or missing regular health checks for CO exposure	ЗН		2M



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#### **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

#### **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\_lation

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 affety gulations 2017

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

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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): <a href="https://www.safeworkaustralia.gov.au/law-and-regulation">https://www.safeworkaustralia.gov.au/law-and-regulation</a> Model Codes of Practice: <a href="https://www.safeworkaustralia.gov.au/resources-publications/model-codes-of-practice">https://www.safeworkaustralia.gov.au/resources-publications/model-codes-of-practice</a>

#### **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 selective.		
Responsible person is assigned and listed on the part the improvention 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 a noted on the SWMS.		
Describes any mandatory qualifications, experience, 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 COMPLETE	ED .