

Dry Ice Handling And Transp	ortation SAFE WORK ME	THOD STATEMENT (SWMS	5)
TASK OR AC	CTIVITY: Dry Ice Handling And T	ransportation	
Business Name:		ABN:	SWMS#
Business Address:			
Contact Person:	Phone:	E ail:	
THIS SAFE WORK METHOD	STATEMENT IS APPROVED BY	THE PC. OF TP' ROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a person conduthe proposed work starts.	cting a business or und	required to element that a safe work method	statement (SWMS) is prepared before
Full Name:			
Signature:	NY	Title:	Date:
Details of the person(s) responsible for ensuring implementation, monitoring	compliant e of the SWIL as well as re	eviews and modifications of the SWMS.	
Full Name:		Title:	Phone:
ALL PERSONNEL PARTICIPATING IN ANY ACTIVITY ON THIS VMS HAVE THE FOLLOWING COMMUNICATED	NA. 2 OF ALL RELEVANT PERSONN EVELOPMENT AND APPROVAL OF	NEL WHO HAVE BEEN CONSULTED AND FITHIS SWMS	COMMUNICATED TO IN THE
Safety meetings or toolbox talks will be scheded in according with regislative requirements to first identify any site hazards, to continuous te those hazards and then to further take steps to either eliminate or continuous leach hazard.			
If an incident or a near miss occurs, all work must stee diately. 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 CONSTRUCTOR	ON WC & BEIN C & RIED 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-hearing	☐ is carried out on or near energised electrical installations or services
☐ involves demolition of an element related to the physical interrity structure	☐ is carried out in an area that may have a contaminated or flammable atmosphere
☐ involves, or is likely to involve, disturbing as	☐ involves tilt-up or precast concrete
involves structural alteration or repair the requires to rary so port 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 an or 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	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	SCURE	SCORE	SCORE	ACTION		Elimination Remoy e 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.		Isolation Isolate People from the hazard		
RARE	1 LOW	1 LOW	2 MODERATE	3 HIGH	3 HIGH	1L LOW	nitor and records		Engineering Isolate the hazard.		
is the second m	archy of Controls: nost effective methologing the work is	od of controlling a	a hazard. Engine	ering by isolat	ion is the nost of	e. tive, while	ard. Substitution e Administrative least effective		Administrative Change the work.		

						TIVE EQUIPM					
		Select the app	propriate PPL	abo suitak	ok for the equip	oment used or	the job task	being perfori	med (if applica	able).	
FOOT PROTECTION	HAND PROTECTION	HEAD PROTECTION	THE ARING STION	P _cCTION	PROTECTION	FACE PROTECTION	HIGH-VIS CLOTHING	PROTECTIVE CLOTHING	FALL PROTECTION	SUN PROTECTION	HAIR/JEWELLERY SECURED
Other PPE R	equired:										
	Pe	ermit or Licen	ses Requirem	ients		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	Incorrect handling, lack of skill and knowledge, inhalation or contact with skin	3H	 Ensure all personnel involved are trained invandling dry ice safely, including hazard awareness and first aid. Provide and enforce the use of appropriate program protective equipment, such as insulated gloves and safety goggles. Conduct a risk assessments for to commencing tork corressing specific hazards related to dry ice. Develop and constructed a subject Work Method Suntement (SWMS) that includes step-by-step procedures for the hand by. Store dry ice in well-vent sted area for and the build-up of carbon dioxide gas. Use a shanic said or team lifting techniques when moving large quantities of dry ice to prevent manually adding tries. Clear that accontain its holding dry ice with hazard warnings and handling instructions. Implement evergency procedures for potential exposure incidents, including immediate medical timent for sk is contact. Ensure oper ventilation in transportation vehicles to dissipate any gases released from dry ice. Inchedule regular refresher training sessions to maintain skill levels and update knowledge on dry ice has alling. Prohibit eating, drinking, or smoking near dry ice to minimise the risk of ingestion or inhalation. Keep Material Safety Data Sheets (MSDS) readily accessible to provide information on risks and first aid measures. 	2M
2. PPE Inspection	Damaged equipment, exposure due to unfit size	2M	 Conduct a thorough visual inspection of all PPE for signs of wear and tear before use. Ensure all PPE meets the relevant Australian safety standards and certifications. Verify that each piece of PPE fits properly and comfortably on the wearer. Maintain a PPE inventory log to track equipment condition and replacement dates. Provide training to all employees on proper PPE inspection techniques. Replace any damaged or compromised PPE immediately, without delay. Use size charts and fitting sessions to ensure PPE is appropriate for each individual. Regularly review and update PPE inspection protocols based on industry best practices. Implement a checklist system for PPE inspection to ensure consistency and thoroughness. Store PPE correctly to prevent damage between uses, following manufacturer guidelines. Encourage employees to report any discomfort or issues with PPE fit immediately. 	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
			- Conduct periodic audits of PPE usage and inspection processes for continuous improvement.	
			- Ensure that spare PPE is available on-site in case replacements are needed urgently.	
3. Dry Ice Collection	Exposure to cold, manual handling injuries	ЗН	- Conduct a pre-task risk assessment to ideally potential hazards associated with the handling and collection of dry ice. - Provide training for all personnel involved in one of dry ice, focusing on safe handling practices and emergency procedures. - Ensure appropriate personne protective equipment (PBF of worm, including insulated gloves, safety goggles, and long-sleeved closing to protect again used burns. - Use mechanic ands sure as tready or carts often transporting heavy dry ice containers to minimise manual hard of risks. - Implement a haddy switch where paids e, ensuring at least two people are involved in moving large quarters of dry. - Clear is a fall dry to containers with warning signs indicating the presence of extremely cold material. - Ensure all so age containers are suitable for containing dry ice and that they allow for venting of gas to revent tress to build up. - Line the amount of time personnel are exposed to dry ice handling conditions to reduce risk of cold-glates or lies. - a stablish designated areas for dry ice handling and ensure these areas are well-ventilated to prevent can be dioxide accumulation. - Keep first-aid kits stocked with supplies appropriate for treating cold burns and ensure all staff know the location and contents. - Regularly inspect PPE for wear and tear, replacing any damaged items to maintain effective protection. - Develop and communicate emergency procedures specific to dry ice exposure, including steps for treating accidental contact and inhalation.	2M
4. Loading Dry Ice	Falling, tripping, overexertion, frostbite	4A		3H



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5. Unloading Dry Ice	Falls from height, supposed on ice, dropping heavy objects	ЗН		2M
6. Transporting Dry Ice	Vehicle accidents, CO2 buildup in vehicle	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
7. Use of Dry Ice	Burns, asphyxiation if areas not sufficiently ventilated	ЗН		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
				•
				•
8. Maintenance of Equipment	Malfunction of equipment leading mishandling	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
9. Storage of Dry Ice	Inadequate ventilation, exposed to extreme temperatures	31		2M
10. Disposal of Dry Ice	Frostbite, asphyxiation, environmental hazards	3H		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
11. Emergency procedures	Unawareness of procedures, panic during emergencies	2M		1L



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12. Clean Up	Slips, trips, falls, exposure to residue in surfaces			1L 1L
13. End of shift review	Fatigue, stress, complacency	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
14. Training & Instruction	Inadequate training work instructions	ЗН		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
15. Documentation & Reporting	HAZARDS THAT MAY ARISE Lack of detail in report, inaccuracies	RISK 2M	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RISK RISK
	5			
16. Periodic Safety Review	Inadequate knowledge of safe practices, complacency	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
17. Communication Breakdowns	Misinterpretation of information, no compliance	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
18. Compliance to safety rules	Non-adherence to rules, lack of enforcement	ЗН		1L
19. Monitoring Health and Safety	Irregular monitoring, ignorance of minor issues	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
20. Continuous improvement	Negligence, resistrate to change	ZM		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 REFERENCE. IN ANY STATEMENT 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/work-health-and-safety-laws Codes of Practice QLD: https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws

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/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/legislations/leg

Codes of Practice NSW: https://www.safework.nsw.gov.au/resource-library.

Northern Territory

Work Health and Safety (National Uniform Legislation) Act 201

Work Health and Safety (National Uniform Legislation) Regulations 26

Legislation NT: https://worksafe.nt.gov.au/laws-and-compliance/prkplate fety-lay

Codes of Practice NT: https://worksafe.nt.gov.av and-reso pes des ractice

South Australia

Work Health and Safety Act 2012 (SA)

Work Health and Safety Regulations 2012 (S

Legislation for SA: https://www.safework.sa.gov.au/resources_gislation

Codes of Practice for SA: https://www.safework.sa.gov.au/w/wplaces/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 Safety A 2004

Oct ational Health an Safe* regulations 2017

- Legis ion VIC: https://www.fksafe.vic.gov.au/occupational-health-and-safety-act-and-
- des of actice VI 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 'THIS 'S' ITEM ON MONITORING AND REVIEW

The SWMS must be reviewed regularly to make sure it remain effect, and must be reviewed (and revised if necessary) if relevant control measures are revised. The view as should be carried out in consultation with workers (including contractors as unputractors of the SWMS and their health and safety registeratives who represented that work group at the workplace.

When the SWMS has been revised the PCBD mest ensure the advised that a revision has been made and how they can accept the revised SWMS, including all persons who will need to change a work procedure or system as a remotified the review are advised of the changes in a way that will enable them to implement their duties the thing 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:

- Spot Checks.
- 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.	Y	
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 SVL 6.		
SWMS initial risk (IR) column as well as residual risk (RR) column ampleted.		
Check control measures added to the SWMS are the most effective sections.		
Responsible person is assigned and listed on the splene of control measures.		
Permit or licenses requirements specified, so n as Hot Work, Electrical Work, Work at Heights etc.		
SWMS identifies plant and equipment to be		
Details of inspection checks required for any equipment lister are noted on the SWMS.		
Describes any mandatory qualifications, experience, ang 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.	\boxtimes	
REVIEWED BY	DATE REVIE	WED
SIGNATURE	DATE COMPL	ETED