

Nitrogen Gas Rig for Aircraft N	laintenance   SAFE WORK	METHOD STATEMENT (SWM	S)
TASK OR ACTI	VITY: Nitrogen Gas Rig for Aircra	aft Maintenance	
Business Name: [Company Name]		ABN: [ABN]	SWMS#
Business Address: [Company Address]			
Contact Person:	Phone: [Phone]	E fil:	
THIS SAFE WORK METHOD	STATEMENT IS APPROVED BY 1	THE PL OF THE PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a person conduct the proposed work starts.	eting a business or undertaking (N 3U) is	required to ure at a safe work method st	tatement (SWMS) is prepared before
Full Name:			
Signature:		Title:	Date:
Details of the person(s) responsible for ensuring implementation, monitoring a	ompliance of the SWMS well as review	s and modifications of the SWMS.	
Full Name:		Title:	Phone:
ALL PERSONNEL PARTICIPATING IN ANY ACTIVITY ON THIS WMS. ST HAVE THE FOLLOWING COMMUNICATED	N. 1E AND DATED SIGNATURE OF A CO. MUNICATED TO IN THE DEVELO	LL RELEVANT PERSONNEL WHO HAVE BE PMENT AND APPROVAL OF THIS SWMS	EEN CONSULTED AND
Safety meetings or toolbox talks will be sched ed in accordance with agislative requirements to first identify any site hazards, conditions unical those hazards and then to further take steps to either the conditions of the conditions are or conditions.	NAME	SIGNATURE	DATE
If an incident or a near miss occurs, all work must standardly. 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.			



		CLI	ENT OR PRINCIPAL	CONTRACTOR D	ETAILS	CLIENT OR PRINCIPAL CONTRACTOR DETAILS										
Client:						SCOPE OF WORKS										
Project Name:					Provide a detailed description of the specific work being carried out (otherwise											
Project Address:					known as cope of works).											
Project Manager:																
Contact Phone:																
Project Manager Sig	nature:															
Date SWMS supplie	d to Project Manager:															
		ANY HIGH-	RISK CON PUCT	N' JRK BEING	CARRIED OUT											
☐ involves a risk of a pe	erson falling more than 2 m	neters.		is carried out on or near pressurised gas mains or piping.												
is carried out on a tel	ecommunication tower.		M + M	is carried out on	or near chemical, fuel or refrig	erant lines.										
☐ involves demolition o	f an element of a structure	that is load-be n.		☐ is carried out on or near energised electrical installations or services.												
☐ involves demolition o	f an element related to the	physical integrit of a str	3.	is carried out in an area that may have a contaminated or flammable atmosphere.												
☐ involves, or is likely to	o involve, disturbing a	tos.		involves tilt-up or precast concrete.												
involves structural alt	eration or repair that re	upp to p	prevent collapse.	is carried out on, in or adjacent to a road, railway, shipping lane or other traffic corridor.												
is carried out in or ne	ar 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 th	nan 1.5m or tunnel involvin	g use of explosives.	is carried out in a	areas with artificial extremes of	temperature.										
is carried out in or ne	ar water or other liquid tha	t involves a risk of drowning	ng.	☐ involves diving w	vork.											
		ANY HI	IGH-RISK MACHINER	RY OR EQUIPMEN	IT NEARBY											
Forklift	☐ Crane/s	☐ Hoist/s	☐ Excavator	☐ Backhoe/Loader	☐ Boom Lift	☐ EWP	☐ Genie Lift									
☐ Trencher	☐ Drilling Rig	☐ Trucks	Formwork	☐ Bobcat	☐ Flammable Gas	☐ Fuel	☐ Dozer									
☐ High Voltage	☐ Mulcher	☐ Tilt-up Panels	Roller	☐ Scissor Lift	☐ Tractor	Other -										





### PERL NAL TECTIVE EQUIPMENT (PPE)

FOOT PROTECTION	HAND PROTECTION	HEAD PROTECTION	HEARING PPOTECTION	PROTE	SPIRATORY P STECTION	FACE PROTECTION	HIGH-VIS CLOTHING	PROTECTIVE CLOTHING	FALL PROTECTION	SUN PROTECTION	HAIR/JEWELLERY SECURED
			A								

Select me appropriate PPE above suitable for the equipment used or the job task being performed (if applicable).

**Note:** A SWMS must be reviewed regularly to make sure it remains effective. A SWMS must be reviewed (and revised if necessary) if relevant control measures are revised. The review process should be carried out in consultation with workers (including contractors and subcontractors) who may be affected by the operation of the SWMS and their health and safety representatives who represented that work group at the workplace.

When a SWMS has been revised, the person conducting a business or undertaking must ensure all:

- 1. persons involved in the work are advised that a revision has been made and how they can access the revised SWMS;
- 2. persons who will need to change a work procedure or system as a result of the review are advised of the changes in a way that will enable them to implement their duties consistently with the revised SWMS: and.
- 3. workers that will be involved in the work are provided with the relevant information and instruction that will assist them to understand and implement the revised SWMS.



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR	RESPONSIBLE PERSON
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK	NAME OF PERSON
1. Preparation	Inhalation of nitrogen gas, Tripping over equipment	2M	<ul> <li>Proper training: Ensure all workers involved in the nitrogen gas rig operation are adequately trained and briefed about the hazards, so ity protocols, and emergency procedures.</li> <li>Identify hazardous areas: Clearly mark are a where nitrogen gas is being used or stored to alert workers of potential hazards of maintain care distances from equipment.</li> <li>Personal Protective Equipment (PPE): Make su workers are pearing appropriate PPE, such as safety goggles; poves, and respirate towher adding nitrogen gas cylinders or working within the chity.</li> <li>Equipment instruction: Received almage or leaker chedule routine maintenance checks and received almage or leaker chedule routine maintenance checks and reace any dreaged equage as necessary.</li> <li>Cyling storage are analing: Store introgen gas cylinders securely in a well-ventila as real aw from heat sources, fire hazards, or areas with high foot traffic. Utilise top, cylinder tacks or restraints to prevent accidents.</li> <li>Signate and belings abel all nitrogen gas cylinders clearly according to qulator requerements and prominently display warning signs about the dangers of truces and tripping hazards.</li> <li>House and tripping hazards.</li> <li>House and hose management: Use cable/hose organizers and covers to secure and route hoses neatly, reducing the risk of tripping over equipment.</li> <li>Ventilation: Provide adequate ventilation in the working area to reduce the risk of nitrogen gas buildup and the potential for asphyxiation.</li> <li>Emergency plan: Develop and communicate an emergency response plan that includes procedures for first aid, evacuation, and reporting incidents involving nitrogen gas exposure or other workplace accidents.</li> <li>Leak detection: Install gas detectors or alarms close to areas with stored nitrogen gas cylinders and the gas rig to provide early warning of any leaks.</li> <li>Supervision: Ensure that there's constant supervision of workers handling nitrogen gas or working in the hazardous area to prompt</li></ul>	1L	
2. Inspection	Pressurised gas leaks, Eye injury from debris	3Н	<ul> <li>Regular equipment inspection: Ensure that all components of the nitrogen gas rig, such as hoses and connections, are checked for signs of wear, damage, or leaks before each use.</li> <li>Leak detection procedures: Implement standard operating procedures for detecting and locating pressurised gas leaks using specialised equipment, like gas leak detectors, to prevent accidental release.</li> </ul>	2M	



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			<ul> <li>Proper personal protective equipment (PPE): All personnel involved in the inspection process should wear appropriate PPE, including safety goggles to protect against eye injury from debris, gloves, and long-sleer of shirts.</li> <li>Training and awareness: Conduct regular training and safety briefings for personnel involved in aircraft maintenance of uphasising the importance of following established SWMS requirements and best protices for adding nitrogen gas rigs.</li> <li>Use of safety guards and barriers: Install safe, ands or barriers around the work area to minimise the risk of injury due to accident or releases of a sesurised gas or flying debris during inspection.</li> <li>Emergency shut-off contains a Equip the nitrogen as rig with automatic or manually operator temergory ship off valves for immediate isolation in case of a leak or other of de.</li> <li>Periodic main pance as servicing: and aller outline maintenance and servicing for the tragenty of the property of the property of the property of the property of the region of the reg</li></ul>		
3. Setup Equipment	Manual handling injuries, Electrical hazards	зН	Proper training: Ensure that all workers involved in the setup of equipment have received appropriate training and are familiar with the correct procedures associated with handling nitrogen gas rigs and electrical components.      Use of mechanical lifting aids: Minimise manual handling by utilising suitable mechanical lifting aids (e.g., trolleys, winches) when moving heavy parts or equipment.	1L	



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			- Team lifting: Implement team lifting techniques and encourage clear communication among workers while engaging in tasks that require manual handling of equipment or materials.		
			- Ergonomics: Maintain good ergonomic practice by adjusting workstations, equipment, and tools to minimise physical can on workers.		
			- Personal Protective Equipment (PPE): Ensemble that the end of the such as gloves for manual handling tasks and against electrical hazards.		
			- Pre-use equipment checks: a duct routine pre-use charges on all equipment to ensure its proper function and efety features, and address any issues before beginning work		
			- Safe election practices: plement fe et anical practices, such as using insulated tools and de-ent gising circumien required, to reduce risks associated with a rical hands.		
			- Work its organic ion: Keep the work area organised to avoid clutter and reduce tripping az is. Sto. ools and equipment properly when not in use.		
		Risk as essricat: Carry out a risk assessment before starting work to identify portial azards and establish effective control measures.			
		'	Clear age: Display clear signage in the work area to communicate potential zards, chergency procedures, and relevant safety information.		
			- Lergency response plans: Establish and regularly review emergency response plans, including evacuation routes, first aid availability, and contacts for reporting incidents. Train workers to be familiar with these plans and be prepared to act in the event of an emergency.		
4. Connect Nitrogen Rig	Gas leaks, Connection failures	2M		1L	



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5. Pressure Test	Rapid decompression, Gas leaks	ЗН		1L	



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6. Monitor Pressure	Faulty readings, Inaccurate measurements	2M		1L	



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7. Purging System	Explosive atmosphere, Over- pressurization	4A		3Н	



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8. Disconnect Rig	Gas leak, Part damage	2M		1L	



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9. Clean Work Area	Slips, trips and falls, Chemical spills	2M		1L	



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10. Inspect Rig for Damage	Sharp edges, Mechanical pinch points	2M		1L	



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11. Store Equipment	Manual handling injuries, Incorrect storage	2M		1L	



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12. Document Results	Incomplete records, Miscommunications	1L		1L	



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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

 $\textbf{Legislation QLD:} \ \underline{\textbf{https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws}$ 

Codes of Practice QLD: <a href="https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice">https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice</a> Legislation ACT: <a href="https://www.worksafe.act.gov.au/laws-and-compliance/acts-and-regulations">https://www.worksafe.act.gov.au/laws-and-compliance/acts-and-regulations</a>

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 ractice NSW: https://www.safework.nsw.gov.au/resource-library/lis codes-of-ractice NSW

#### **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/wo\_place-syllaws

Codes of Practice NT: https://worksafe.nt.gov.au/5

#### 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: <a href="https://www.safework.sa.gov.au/wor">https://www.safework.sa.gov.au/wor</a> 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 afety gulations 2017

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

<u>qulat.</u>

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: <a href="https://www.commerce.wa.gov.au/worksafe/legislation">https://www.commerce.wa.gov.au/worksafe/legislation</a>

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	Pos	sition	Signature	Date	Time	Sup	pervisor	
				Date:				
			Date:					
				Date:				
				Date:				
	Date:							
	SAF WO A STHED STATEMENT MONITORING AND REVIEW							
The SWMS must be reviewed regularly to refixe sure it remains effective and must be reviewed (and revised if necessary) if relevant control measure are a constructively process should be carried out in consultation with workers (including contractors and subcontract is) who may be affected by the operation of the SWMS and their health and safety representatives who reduces essented that work group at the workplace.  When the SWMS has been revised the PCBU must ensure that all persons involved with the work are 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 result of the review are advised of the changes in a way that will enable them to implement their duties consistently 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:  1. 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	<u> </u>	□ 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	TO BE DONE	COMMENTS
The company details have been entered, including the project name and address.			
Names and signatures of all relevant personnel consulted during the development of the SWMS.		P P	
Name, signature, position and date signed of the person approving the SWMS.			
Specific personnel and qualifications, experience is noted in the SWMS.	P		
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 SWh			
SWMS initial risk (IR) column as well as residual risk (RR) columns completed.			
Check control measures added to the SWMS are the most effecting so tions.			
Responsible person is assigned and listed on the SWMS for the imperent of continue assures.			
Permit requirements specified, such as Hot Work, Veralt Heights etc.			
SWMS identifies plant and equipment to be u d.			
Details of inspection checks required for any equipment listed are noted on the SWMS.			
Describes any mandatory qualifications, experience raining skills required to perform the work.			
Applicable personal protective equipment is selected on the SWMS.			
Lists any required permits or licenses.			
Reflects and documents any legislative references and/or Australian Standards.			
dentifies any hazardous substances used with specific control measures in line with any SDS.			
REVIEWED BY	DATE R	EVIEWED	
SIGNATURE	DATE CO	MPLETED	