

Dynamometer Engin	e SAFE WORK METHOD S	STATEMENT (SWMS)	
TASI	K OR ACTIVITY: Dynamometer E	ngine	
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 (F RU) is	required to ure at a safe work method s	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 BI PMENT AND APPROVAL OF THIS SWMS	EEN CONSULTED AND
Safety meetings or toolbox talks will be sched ed in accordance with egislative requirements to first identify any site hazards, conditions those hazards and then to further take steps to either the conditions of the conditions are or conditional talks.	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.			

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		CLI	ENT OR PRINCIPAL	CONTRACTOR D	ETAILS		
Client:						SCOPE OF WORKS	
Project Name:					Provide a detailed description	n 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	s 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 in	stallations or services.	
☐ involves demolition o	f an element related to the	physical integrit of a str	3.	is carried out in a	an area that may have a conta	minated or flammable atmo	osphere.
☐ involves, or is likely to	o involve, disturbing a	tos.		☐ involves tilt-up or	r 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, railwa	ay, shipping lane or other to	raffic corridor.
is carried out in or ne	ar a confined space.			is carried out in a	an area of a workplace where t	here is any movement of p	owered 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 -	

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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	Incorrect equipment selection, Faulty equipment	2M	Conduct a thorough risk assessment of the equipment, including any potential hazards or issues that may arise from the chosen do mometer and engine setup. Ensure that personnel handling and operating a equipment have received adequate training and hold the appropriate audifications or licences. Maintain up-to-date records of all equipment aspect as, repairs, and maintenance activities in accordance with Australian Standa as 4801. Perform pre-start checks of all equipment to coron proper audition and identify any signs of wear, damage, or alfunction. Establish clear or a more tion to tocols for employees to discuss concerns or raise issues refer at to equipment programance ety, or suitability. Develop and curement ocess that one as selected equipment meets or excer Austria. Was practice equipment maintenance programme to regularly check for signs to we adama as or impending failure, and schedule repairs as necessary. Store to uipment in domated spaces, away from moisture, direct sunlight, or there en combinal factors that could degrade performance or cause deterioration. Ultimate as such as sledges or crowbars as needed to ensure safe engagement of the dyna contert and reduce instances of incorrect alignment or positioning. Total that all equipment controls are labelled clearly and correctly, and that employees are familiar with their use and function in order to prevent misuse or potential hazards. Supply and require the use of proper personal protective equipment (PPE), such as gloves and safety glasses, when interacting with or handling the dynamometer or engine. Exhibit proper lifting and carrying techniques when moving or positioning equipment, and encourage team members to seek assistance from others when required. Seek guidance from relevant industry experts or consult available guidelines from Safe Work Australia for additional recommendations on control measures for the specific dynamometer and engine type in use. Foster a culture within the workplace that prioritises safety and encourages	1L	
2. Area Set-up	Poorly lit area, Obstructed space	ЗН	 Ensure adequate lighting is provided in the area where the dynamometer engine will be set up, utilising portable light sources if necessary. Clear all obstructions and clutter from the work area to create an open space for setting up the dynamometer engine safely. 	2M	



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			- Establish designated walkways and any necessary barriers to prevent accidents caused by people moving around the work area.		
			- Inspect the floor surface condition and correct an even or slippery areas to minimise slips, trips, and falls.		
			- Position fire extinguishers and first aid kits easily accombible locations within the work area, making their whereabouts known all works on site.		
			- Arrange for regular cleaning and maintenance, the work area to ensure hazards do not accumulate over time, cluding proper district all of war inflaterials and debris.		
			- Periodically review and plate it assessments for me set-up area to identify new or changing hours and a less that ffectiveness of existing control measures.		
			- Provide sufficient person protective an ent (PPE) to workers, such as safety glass a gloves, and bit visibility vests to reduce the risk of injury from potential hazal so the arc		
			- Train my vees on the importance of good housekeeping practices and maintaining a lean, on the version of the control of the		
			Communicate wisks and movements clearly amongst all workers present in the architecturing the sou-up process, to reduce errors and the need for unnecessary movements.		
			ncourage workers to report any hazards they encounter immediately, and imment corrective actions quickly to maintain a safe working environment for everyone.		
	6		- Conduct a thorough visual inspection of electrical systems and cables for any signs of wear, damage or defects before every session.		
			- Ensure all personnel using the dynamometer engine have undergone appropriate training and possess necessary qualifications for operating and maintaining the equipment safely.		
			- Utilise a proper maintenance schedule to routinely assess and address any potential hazards that may arise from electrical faults or damaged cables.		
3. Equipment Inspection	Electrical faults, Damaged cables	3H	- Isolate and report any faulty equipment immediately, as well as applying "Do Not Use" tags to prevent unintended usage.	2M	
			- Periodically engage in professional testing and tagging services to ensure all electrical equipment complies with Australian standards.		
			- Keep electrical equipment and power supply systems protected by residual current devices (RCDs) to minimise the chance of an electrical shock occurring.		
			- Maintain a clear and organised workspace around the dynamometer engine, ensuring the equipment is securely grounded and free from potentially hazardous materials.		



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			 Implement standard operating procedures (SOPs) that outline specific steps for inspecting and managing electrical components of the dynamometer engine. 		
			- Encourage workers to take breaks regularly, as for the can contribute to reduced attention to detail when inspecting equipment for other all hazards.		
			- Foster open communication within the teams of everyon seels comfortable reporting any potential hazards, including elemical forms and damaged cables, without fear of retribution.		
4. PPE Usage	Improper fit, Incorport PPE types	ЗН		1L	



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5. Lifting and Rigging	Mismatched load hats les poets training	1A		3H	



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6. Installation	Improper attachment, Unauthorised modifications	3H		2M	



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7. Control System Set- up	Poor cable manage arrunctioning controls	2M		1L	



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8. Functional Assessment	Failure to follow procols, Neglected faults	3H		1L	



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9. Noise Assessment	Excessive noise exposurement hearing protection	зн		1L	



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10. Vibration Monitoring	Incorrect sensor placement, Imprecis data capture	ЗН		1L	



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11. Engine Maintenance	Oil spills, Engine Carheatin	2M		1L	



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12. Brake System Inspection	Loose bolts, Failed byanism			2M	



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13. Test Speed Adjustment	Incomplete pre-test mecks, Misaligned fixtures	2M		1L	



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14. Engine Shutdown	Faulty kill switch, Gas leaks	3H		1L	



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15. Clean-up and Disposal	Chemical exposure, Slippery surfaces	2M		1L	



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	5				



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: 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/legislations/leg

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/wo_place-syllaws

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/legislation

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 all Safety Act

Occupational Health and afety gulations 2017

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

<u>qulat.</u>

des on 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	Pos	sition	Signature	Date	Time	Supe	ervisor
				Date:			
				Date			
				L te:			
				Date:			
				Date:			
				Date:			
				Date:			
		SAF WO A	STATEMENT	MONITORING AND R	EVIEW		
The SWMS must be reviewed regularly to rake sure it remains effective and must be reviewed (and revised if necessary) if relevant control measure are subcontract as the review process should be carried out in consultation with workers (including contractors are subcontract as) who may be affected by the operation of the SWMS and their health and safety representatives who researched 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.				effective in reducing the person responsible for memploy a multi-faceted and some some some some some some some some	enitored regularly for the erisk of incidents, keeping the onitoring the effectiveness pproach which includes but with workers, contractors are on a continual basis. The properties of the entire of	ne workplace safe for all of the Safe Work Method tis not limited to: and sub-contractors. recording inconsistencia sultation with all relevan	personnel. The od Statement should state
REVIEW NUMBER	□ 1	□ 2	□ 3	<u></u> 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	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 A	
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 SWI			
SWMS initial risk (IR) column as well as residual risk (RR) columns completed.			
Check control measures added to the SWMS are the most effecting sections.			
Responsible person is assigned and listed on the SWMS for the imperent of contameasures.			
Permit requirements specified, such as Hot Work, Electrical Work, Vorat Heights etc.			
SWMS identifies plant and equipment to be u d.			
Details of inspection checks required for any equipment listed approted 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.			
Identifies any hazardous substances used with specific control measures in line with any SDS.			
REVIEWED BY	DATE R	EVIEWED	
SIGNATURE	DATE CC	MPLETED	