



Conduct Repairs On Equipment With Internal Combustion Engines | SAFE WORK METHOD STATEMENT (SWMS) TASK OR ACTIVITY: Conduct Repairs On Equipment With Internal Combustion Engines **Business Name:** ABN: SWMS# Business Address: Contact Person: Phone: THIS SAFE WORK METHOD STATEMENT IS APPROVED BY THE PC. YOF THE PROJECT (PC_1) is required to en that a safe work method statement (SWMS) is prepared before Under the Work Health and Safety Regulation (WHS Regulation), a person conducting a business or under the proposed work starts. Full Name: Title: Date: Signature: Details of the person(s) responsible for ensuring implementation, monitoring pliance VMS arrivell as reviews and modifications of the SWMS. Full Name: Title: Phone: ALL PERSONNEL PARTICIPATING IN ANY ACTIVITY ON THIS STIMS IN NA 2 OF ALL RELEVANT PERSONNEL WHO HAVE BEEN CONSULTED AND COMMUNICATED TO IN THE HAVE THE FOLLOWING COMMUNICATED EVELOPMENT AND APPROVAL OF THIS SWMS Safety meetings or toolbox talks will be sched and in account to the sched and in account to the schedule of t with gislative requirements to first identify any site hazards. nica those hazards and then to further take steps to either eliminate or conf each hazard. If an incident or a near miss occurs, all work must ste alately. 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.

Version 2.5 Authorised by Review # Date of Issue: Review Date: 1





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

Version 2.5 Authorised by Review # Date of Issue: Review Date: 2



	RISK MATRIX										
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE	MAJOR	CATASTROPHIC	SCORE	ACTION	HEI	RARCHY 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	e 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_VAL F TECTIVE EQUIPMENT (PPE)										
		Select the app	ropriate PPŁ	abo v uitab	cor the equi	pment used or	the job task	being perforr	ned (if applica	ıble).	
FOOT PROTECTION	HAND PROTECTION	HEAD PROTECTION	HEARING ETION	P ECTION	PROTECTION	FACE PROTECTION	HIGH-VIS CLOTHING	PROTECTIVE CLOTHING	FALL PROTECTION	SUN PROTECTION	HAIR/JEWELLERY SECURED
Other PPE R	Other PPE Required:										
	Pe	ermit or Licen	ses Requirem	ents			Ma	andatory Qual	ifications 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	Improper lifting techniques, Exposure to harmful substances (such as petrol, diesel or gas)	2M	 Use appropriate manual handling technique, such as keeping the load close to the body and bending at the knees. Utilise mechanical aids like trolleys, hoists, or actors to move heavy equipment safely. Ensure all workers involved a lifting are trained a correct mouth handling procedures. Wear personal protective equation (PPE) like glo and a safety goggles when handling fuels or chemicals. Ensure adectate ventilation in the ark areas a disperse any harmful fumes from fuels or exhaust gases. Storefuels are other handous substances in properly labelled, approved containers. Contain a risk are as ment before beginning work to identify potential hazards and implement necessary control. Provide spin its and assure workers are trained on their use in case of accidental spills of petrol, diesel, or gas. Inchance the budgy system where possible to provide assistance and oversight during the task. Maintancelean and organised workspace to reduce the risk of trips, slips, and falls. ugularly review Safety Data Sheets (SDS) for all substances being used or handled. Ensure that all equipment is properly maintained and in good working order before commencing repairs. Display clear signage indicating the presence of flammable substances and no-smoking areas around the worksite. 	2M
2. Performing Inspection	Exposure to loud noise, Pinch points from machinery and equipment	2M	 Conduct a pre-operational safety briefing to identify and mitigate risks related to loud noise and pinch points. Provide personal protective equipment (PPE) including hearing protection, gloves and appropriate footwear to all workers involved in the task. Use lockout/tagout procedures to ensure machinery is fully de-energised before any inspection begins, preventing accidental activation of equipment. Identify and clearly mark all pinch point areas with visible signage to alert workers to potential hazards. Employ the use of engineering controls such as sound barriers or enclosures around the equipment to reduce noise levels. Establish a safe working distance from operational machinery for all personnel not directly involved in the inspection process. Implement administrative controls, such as job rotation, to minimise the duration of exposure to high noise levels. 	1L



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			- Ensure that only trained and authorised personnel are allowed to perform the inspection to reduce the risk of injury from pinch points.	
			- Conduct routine maintenance and checks on noise suppression devices installed on equipment to ensure their effectiveness.	
			- Utilise tools equipped with safety features — e guarding—chanisms to prevent fingers or hands from entering pinch zones.	
			- Schedule inspections during times when fewer ople are in the vicinity to limit exposure to hazardous conditions.	
			- Develop and maintain a communication protocol us a und signals or two-way radios to facilitate coordination and a sum a sund standings amidst high noise environments.	
			- Regularly recew and upd a safety rotocole and measures based on feedback and incident reports to continually incove safety andards.	
			- Cont of risk as a sement prior to beginning work to identify potential hazards specific to the engine and we see e.	
			- Ensure all was ers are ained in safe shutdown procedures specific to the type of internal combustion gine bang searced.	
			- Program d require the use of personal protective equipment (PPE) such as insulated gloves, safety oggles, long sleeves to protect against burns from hot surfaces.	
			- plement ventilation measures to disperse exhaust fumes, such as using exhaust fans or conducting repairs in well-ventilated areas.	
			- Use barricades or warning signs to restrict access to the area during shutdown procedures and while the engine is cooling down.	
. Shutdown Procedures	Hot surfaces causing as, Inhalation of exhaust fumes	ЗН	- Follow manufacturer's guidelines for shutting down the engine to avoid unnecessary exposure to hot components and fumes.	1L
			- Allow sufficient time for the engine and its components to cool down completely before starting any repair work.	
			- Use thermal imaging tools to assess the temperature of surfaces if necessary to ensure they're safe to touch.	
			- Maintain an emergency protocol that includes steps to address incidents of burns or inhalation of fumes.	
			- Conduct regular maintenance of tools and equipment to minimise risks associated with faulty or improperly used equipment.	
			- Ensure all fuel lines are safely disconnected and engines are properly depressurised before commencement of repair work.	
			- Verify that appropriate fire extinguishing equipment is accessible and workers are trained in its use in case of fire.	
. Corrective Actions	Slippery surfaces, Improper use of tools	1L		1L



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5. Maintenance Checks	Exposure to oil fumes, Fire hazard from malfunctioning petrol or gas systems	4A		2M



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				_
	Wrong operation controls Louid			
. Startup Procedure	Wrong operation controls, Loud engine noise	2M		1L



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7. Normal Operation	Combustion risks from fuels, Overheating of engine potentially causing burns	ЗН		2M
8. Special (non-routine) Operations	Exposure to unexpected sudden movements, Mishandling of machinery parts or tools	3H		1L



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9. Troubleshooting	Risk of explosion if flammable liquids/gases are poorly handled in the process, Electrocution in the process consolation	4A		2M



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10. Dealing With Unexpected Events	Machinery or equipment malfunctions causing injury, Panic leading to furthe incidents	ч		2M
11. Cleaning up Process	Exposure to harmful cleaning chemicals, Slips or falls due to wet or greasy surfaces	2M		1L



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12. Disposal	Risks associated with improper dis sal of waste materials like of the sal or other wastes	2M		1L
	outer madice			



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13. Wear and Tear Check	Risk of rust shards/fragments causing injury, Degraded material or parts creating an unsafe working condition	2M		1 L
14. Frequent Emergency Drills	Unfamiliarity with emergency procedures, Panic in emergency situations	ЗН		2M



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15. Regular Training and Refresher Courses	Inadequate knowledge can lead to mishandling of equipment shinery, Lower risk awareness leading to accidents			1L
16. Repair Activities	Improperly insulated or grounded equipment increase electrocution risks, Equipment falling over during repair	4A		2M



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17. Servicing Engine	Exposure to heat, Fire risk due to spark/flame near combustible materials	ЗН		2M



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18. Testing/Tuning Engine	Risks from flying debris during testing, Loud noise exposure/hazards	ЗН		2M
19. Storage Procedure	Improper lifting techniques, Exposure to harmful substances through poorly stored materials	2M		1L



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20. Reporting and Recording Procedure	Miscommunication due to incomplete information, Misinterpretation of recorded data leading to boor decition making	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

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

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-sylv-laws

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 at Safety Act 34

Occupational Health and Infety gulations 2017

Legis on VIC: https://www.wsafe.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 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							

Version 2.5 Authorised by Review # Date of Issue: Review Date: 19





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 selections		
Responsible person is assigned and listed on the part the important 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 an inoted 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 REVIEWE	D
SIGNATURE	DATE COMPLET	ED