

## Vibration Safety | SAFE WORK METHOD STATEMENT (SWMS)

### TASK OR ACTIVITY: Vibration Safety

Business Name:	ABN:	SWMS#
Business Address:		
Contact Person:	Phone:	Email:

### THIS SAFE WORK METHOD STATEMENT IS APPROVED BY THE PCBU OF THE PROJECT

Under the Work Health and Safety Regulation (WHS Regulation), a person conducting a business or undertaking (PCBU) is required to ensure that a safe work method statement (SWMS) is prepared before the proposed work starts.

Full Name:		
Signature:	Title:	Date:
Details of the person(s) responsible for ensuring implementation, monitoring compliance of the SWMS as well as reviews and modifications of the SWMS.		
Full Name:	Title:	Phone:

### ALL PERSONNEL PARTICIPATING IN ANY ACTIVITY ON THIS SWMS MUST HAVE THE FOLLOWING COMMUNICATED

Safety meetings or toolbox talks will be scheduled in accordance with legislative requirements to first identify any site hazards, then to communicate those hazards and then to further take steps to either eliminate or control each hazard.

If an incident or a near miss occurs, all work must stop immediately. 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.

### NAME OF ALL RELEVANT PERSONNEL WHO HAVE BEEN CONSULTED AND COMMUNICATED TO IN THE DEVELOPMENT AND APPROVAL OF THIS SWMS

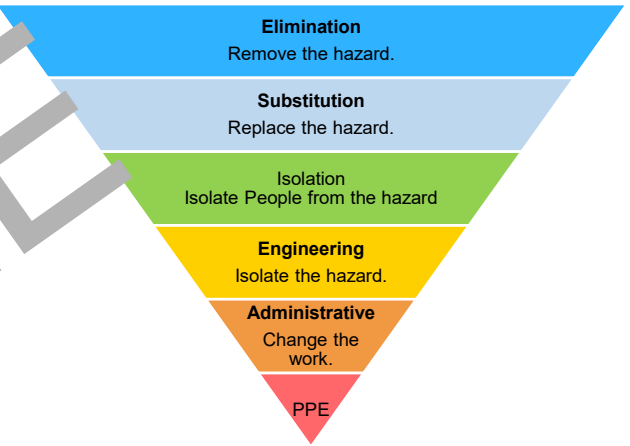
### CLIENT OR PRINCIPAL CONTRACTOR DETAILS

Client:	SCOPE OF WORKS
Project Name:	
Project Address:	
Project Manager:	
Contact Phone:	
Date SWMS supplied to Project Manager:	













### ANY HIGH-RISK CONSTRUCTION WORK BEING CARRIED OUT

- |  |  |
|--|--|
| <input type="checkbox"/> involves a risk of a person falling more than 2 meters  | <input type="checkbox"/> is carried out on or near pressurised gas mains or piping                                     |
| <input type="checkbox"/> is carried out on a telecommunication tower   | <input type="checkbox"/> is carried out on or near chemical, fuel or refrigerant lines                                 |
| <input type="checkbox"/> involves demolition of an element of a structure that is load-bearing                           | <input type="checkbox"/> is carried out on or near energised electrical installations or services                      |
| <input type="checkbox"/> involves demolition of an element related to the physical integrity of a structure              | <input type="checkbox"/> is carried out in an area that may have a contaminated or flammable atmosphere                |
| <input type="checkbox"/> involves, or is likely to involve, disturbing asbestos  | <input type="checkbox"/> involves tilt-up or precast concrete  |
| <input type="checkbox"/> involves structural alteration or repair that requires temporary support to prevent collapse    | <input type="checkbox"/> is carried out on, in or adjacent to a road, railway, shipping lane or other traffic corridor |
| <input type="checkbox"/> is carried out in or near a confined space  | <input type="checkbox"/> is carried out in an area of a workplace where there is any movement of powered mobile plant  |
| <input type="checkbox"/> is carried out in/near a shaft or trench deeper than 1.5m or tunnel involving use of explosives | <input type="checkbox"/> is carried out in areas with artificial extremes of temperature.                              |
| <input type="checkbox"/> is carried out in or near water or other liquid that involves a risk of drowning.               | <input type="checkbox"/> involves diving work.   |

### ANY HIGH-RISK MACHINERY 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			 <p><b>Elimination</b> Remove the hazard.</p> <p><b>Substitution</b> Replace the hazard.</p> <p><b>Isolation</b> Isolate People from the hazard</p> <p><b>Engineering</b> Isolate the hazard.</p> <p><b>Administrative</b> Change the work.</p> <p><b>PPE</b></p>	
LIKELY	2 MODERATE	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4A ACUTE	DO NOT PROCEED		
POSSIBLE	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	4 ACUTE	3H HIGH	Review before work starts.		
UNLIKELY	1 LOW	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	2M MODERATE	Ensure control measures in place.		
RARE	1 LOW	1 LOW	2 MODERATE	3 HIGH	3 HIGH	1L LOW	Monitor and keep records		

**Notes on Hierarchy of Controls:** Elimination methods are the most effective and preferred when controlling a hazard. Substitution is the second most effective method of controlling a hazard. Engineering by isolation is the third most effective, while Administrative Controls by changing the work is the fourth most effective method. PPE (Personal Protective Equipment) is the least effective method.

PERSONAL PROTECTIVE EQUIPMENT (PPE)											
Select the appropriate PPE above suitable for the equipment used or the job task being performed (if applicable).											
FOOT PROTECTION	HAND PROTECTION	HEAD PROTECTION	HEARING PROTECTION	EYE PROTECTION	RESPIRATORY PROTECTION	FACE PROTECTION	HIGH-VIS CLOTHING	PROTECTIVE CLOTHING	FALL PROTECTION	SUN PROTECTION	HAIR/JEWELLERY SECURED
											
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other PPE Required:											
Permit or Licenses Requirements						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
Pre-start planning and assessment	<ul style="list-style-type: none"> <li>Unidentified vibration sources</li> <li>Incorrect vibration exposure assessment</li> <li>Unsuitable plant selection</li> <li>Pre-existing musculoskeletal disorders</li> <li>Unplanned simultaneous vibration tasks</li> </ul>	4A	<ul style="list-style-type: none"> <li>Identify all tasks involving vibrating equipment and document each vibration source in the SWMS and job plan before work starts</li> <li>Consult manufacturer data or technical guidance to determine vibration magnitude (<math>m/s^2</math>) and typical exposure duration for each tool</li> <li>Select lower-vibration tools and machinery where reasonably practicable and eliminate high-vibration options from use</li> <li>Review worker health information where disclosed and confirm fitness for vibration work with an occupational health provider if required</li> <li>Schedule tasks to avoid multiple high-vibration activities being performed concurrently in close proximity</li> <li>Plan rotation to limit cumulative exposure time per worker to vibration-intensive tasks</li> <li>Determine trigger times and maximum daily exposure for each tool in line with Safe Work Australia and relevant guidance</li> <li>Include vibration control requirements and exposure limits in the pre-start briefing and site-specific induction</li> <li>DO NOT commence vibration-related work until a site-specific risk assessment has been completed and approved by the supervisor</li> </ul>	2M
Site preparation and exclusion zones	<ul style="list-style-type: none"> <li>Close proximity to vibration sources</li> <li>Uncontrolled access to vibration plant</li> <li>Ground instability from vibrations</li> <li>Noise from vibrating equipment</li> <li>Trip hazards around vibration work area</li> </ul>	3H	<ul style="list-style-type: none"> <li>Mark and signpost exclusion zones around vibrating plant using cones, barrier mesh and clear signage indicating 'Vibration Work Area – Authorised Personnel Only'</li> <li>Position vibrating plant away from occupied structures, excavations and temporary supports to minimise transmission of ground-borne vibration</li> <li>Inspect the ground and supporting surfaces for voids, trenches or unstable fills and compact or shore as required before operating vibratory equipment</li> <li>Set up designated safe standing zones for spotters and other workers away from direct vibration paths and moving components</li> <li>Remove offcuts, cords, hoses and debris from the vibration work zone to prevent trips and falls</li> <li>Install barriers or physical guards between vibrating equipment and pedestrian walkways where practicable</li> <li>Coordinate with adjacent work groups to avoid sensitive works (e.g. precision measurements, fragile installations) during high-vibration activities</li> <li>DO NOT allow non-essential persons to enter the vibration work area while equipment is operating</li> </ul>	2M
Selection of vibrating tools and plant	<ul style="list-style-type: none"> <li>Excessive vibration from unsuitable tools</li> <li>Lack of vibration control features</li> </ul>	3H	<ul style="list-style-type: none"> <li>Select tools and plant with built-in vibration damping or low-vibration design verified by manufacturer specifications</li> </ul>	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
	<ul style="list-style-type: none"> <li>Faulty anti-vibration mounts</li> <li>Excessive hand-arm vibration exposure</li> <li>Cumulative whole-body vibration</li> </ul>		<ul style="list-style-type: none"> <li>Verify that handles, grips and anti-vibration mounts are present, correctly fitted and in good condition before allocating equipment to workers</li> <li>Use vibration-damped or anti-vibration handles, couplings and isolating pads where compatible with the tool and task</li> <li>Confirm the tool's vibration magnitude and recommend maximum daily trigger time from manufacturer data sheets or equivalent documentation</li> <li>Choose the lowest vibration tool capable of safely performing the job, preferring alternative methods that reduce or eliminate vibration where possible</li> <li>Match tool size and power to the task to avoid overpowered equipment generating unnecessary vibration</li> <li>DO NOT use homemade extensions or unauthorised attachments that can increase vibration levels</li> <li>DO NOT use tools that are not rated for continuous or prolonged operation if the task requires extended use</li> </ul>	
Pre-use inspection of equipment	<ul style="list-style-type: none"> <li>Increased vibration from worn components</li> <li>Loose fasteners and couplings</li> <li>Damaged anti-vibration mounts</li> <li>Unbalanced rotating parts</li> <li>Unexpected equipment failure</li> </ul>		<p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>	1L
Hand-arm vibration exposure control	<ul style="list-style-type: none"> <li>Hand arm vibration exposure</li> <li>Hand-Arm Vibration Syndrome risks</li> <li>Nerve and circulation damage</li> <li>Loss of grip strength</li> <li>Cumulative exposure to vibration</li> </ul>	4A	<p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>	2M

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Whole-body and close proximity vibration control	<ul style="list-style-type: none"> <li>• Whole-body vibration exposure</li> <li>• Close proximity to vibration sources</li> <li>• Spinal and joint strain</li> <li>• Discomfort and fatigue</li> <li>• Transmission of vibration to nearby structures</li> </ul>			2M
Safe operation of vibrating hand tools	<ul style="list-style-type: none"> <li>• Vibration from power tools</li> <li>• Loss of tool control</li> <li>• Contact with moving parts</li> <li>• Flying debris from vibration</li> <li>• Increased vibration due to misuse</li> </ul>	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
Safe use of larger vibratory equipment	<ul style="list-style-type: none"> <li>Vibrating equipment usage</li> <li>Unplanned movement of plant</li> <li>Ground collapse from vibration</li> <li>Collision with persons or structures</li> <li>Excessive equipment vibrations</li> </ul>	4A		2M
Monitoring and testing of vibration levels	<ul style="list-style-type: none"> <li>Undetected high vibration levels</li> <li>Inaccurate vibration testing</li> <li>Failure to recognise exposure trends</li> <li>Uncontrolled cumulative exposure</li> <li>Equipment vibration escalation</li> </ul>	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
Worker training and health monitoring	<ul style="list-style-type: none"> <li>• Unrecognised Hand-Arm Vibration Syndrome</li> <li>• Incorrect tool handling techniques</li> <li>• Failure to report early symptoms</li> <li>• Inadequate understanding of controls</li> <li>• Ongoing exposure despite health effects</li> </ul>	3H		2M
Maintenance and reduction of vibration hazards	<ul style="list-style-type: none"> <li>• Increased vibration from poor maintenance</li> <li>• Failure of rotating components</li> <li>• Loss of damping effectiveness</li> <li>• Mitigation of vibration related injuries</li> <li>• Unplanned downtime from breakdowns</li> </ul>	3H		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
Break management and exposure scheduling	<ul style="list-style-type: none"> <li>Controlling vibration exposures</li> <li>Extended continuous tool use</li> <li>Fatigue from cumulative exposure</li> <li>Reduced awareness due to tiredness</li> <li>Overrun of safe exposure times</li> </ul>	3H		2M
Emergency response and incident management	<ul style="list-style-type: none"> <li>Delayed response to vibration injury</li> <li>Uncontrolled equipment during incident</li> <li>Panic near moving vibration equipment</li> <li>Failure to investigate causes</li> <li>Reoccurrence of vibration incidents</li> </ul>	3H		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 REFERENCES IF ANY STATE IS 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>

### Victoria

Occupational Health and Safety Act 2004

Occupational Health and Safety Regulations 2017

Legislation VIC: <https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and-regulations>

Codes of Practice VIC: <https://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice>

### New South Wales

Work Health and Safety Act 2011

Work Health and Safety Regulations 2025

Legislation NSW: <https://www.safework.nsw.gov.au/legal-obligations/legislation>

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

### Northern Territory

Work Health and Safety (National Uniform Legislation) Act 2011

Work Health and Safety (National Uniform Legislation) Regulation 2011

Legislation NT: <https://worksafe.nt.gov.au/laws-and-compliance/workplace-safety-laws>

Codes of Practice NT: <https://worksafe.nt.gov.au/facts-and-resources/codes-of-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

### 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/workplaces/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.

## 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 METHOD STATEMENT MONITORING AND REVIEW

**The SWMS must be reviewed regularly** to make sure it remains effective and must be reviewed (and revised if necessary) if relevant control measures are revised. The review must be carried out in consultation with workers (including contractors and sub-contractors) who may be affected by the operation of the SWMS and their health and safety representatives who represent 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	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.	<input checked="" type="checkbox"/>	
All relevant personnel consulted during the development of the SWMS.	<input checked="" type="checkbox"/>	
Name, signature, position and date signed of the person approving the SWMS.	<input type="checkbox"/>	
Specific personnel and qualifications, experience is noted in the SWMS.	<input checked="" type="checkbox"/>	
Provides a step-by-step process of tasks required to carry out the activity or task.	<input checked="" type="checkbox"/>	
Adequate risk assessment of any identified hazards has been completed.	<input checked="" type="checkbox"/>	
Foreseeable hazards are identified and documented for each step.	<input checked="" type="checkbox"/>	
Any hazards listed in any site risk assessments have been added to the SWMS.	<input checked="" type="checkbox"/>	
SWMS initial risk (IR) column as well as residual risk (RR) column completed.	<input checked="" type="checkbox"/>	
Check control measures added to the SWMS are the most effective selected.	<input checked="" type="checkbox"/>	
Responsible person is assigned and listed on the SWMS for the implementation of control measures.	<input checked="" type="checkbox"/>	
Permit or licenses requirements specified, such as Hot Work, Electrical Work, Work at Heights etc.	<input checked="" type="checkbox"/>	
SWMS identifies plant and equipment to be used.	<input checked="" type="checkbox"/>	
Details of inspection checks required for any equipment listed and noted on the SWMS.	<input checked="" type="checkbox"/>	
Describes any mandatory qualifications, experience, training or skills required to perform the work.	<input checked="" type="checkbox"/>	
Applicable personal protective equipment is selected on the SWMS.	<input checked="" type="checkbox"/>	
Reflects and documents any legislative references and/or Australian Standards.	<input checked="" type="checkbox"/>	
Identifies any hazardous substances used with specific control measures in line with any SDS.	<input checked="" type="checkbox"/>	
REVIEWED BY		
SIGNATURE		
DATE REVIEWED		
DATE COMPLETED		