



### Manoeuvring In Irregular Ground Conditions | SAFE WORK METHOD STATEMENT (SWMS) TASK OR ACTIVITY: Manoeuvring In Irregular Ground Conditions **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 according 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.

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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

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	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	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 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 1 TECTIVE EQUIPMENT (PPE)										
		Select the app	propriate PPL	abo√ ≃uitab	ic or the equi	pment used or	the job task	being perforr	ned (if applica	ıble).	
FOOT PROTECTION	HAND PROTECTION	HEAD PROTECTION	HEARING ETION	P ECTION	R PIRATORY PROTECTION	FACE PROTECTION	HIGH-VIS CLOTHING	PROTECTIVE CLOTHING	FALL PROTECTION	SUN PROTECTION	HAIR/JEWELLERY SECURED
Other PPE R	Required:										
	Pe	ermit or Licen	ses Requirem	ents		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	Rough terrain, Tripping and falling over, Loose materials rolling or sliding	ЗН	<ul> <li>Conduct a thorough site inspection to identic and assess the ground conditions before commencing work.</li> <li>Clearly mark and secure the boundaries of the transacra with visible signage to warn workers of potential hazards.</li> <li>Remove any loose materials andebris from the workers of prevent tripping and falling incidents.</li> <li>Use appropriate to the protein the equipment (PPEs), such as steel-capped boots and high-visibility vests, to enhance safety.</li> <li>Implement to sist training a ogramment for corkers to recognise and navigate irregular ground conditions safety.</li> <li>Establishable a communication channels among workers to report unexpected changes in terrain or emerging in learneds in mediately.</li> <li>Utilise hach mark of a sipment designed specifically for rough terrain to minimise manual handling and duce shain in his les.</li> <li>Design hemergency response plan specific to the risks associated with manoeuvring on uneven surfaces a pasure prompt action if needed.</li> <li>Insider scheduling work during optimal weather conditions to reduce the impact of environmental factors on terrain stability.</li> <li>Review and update risk assessments regularly to incorporate new findings and adopt improved safety practices.</li> </ul>	2M
2. Machine Selection	Incorrect machine for the task, Poor visibility from operator's position	ЗН	<ul> <li>Conduct a thorough risk assessment to determine the most suitable machine for the specific terrain and task.</li> <li>Select machinery with appropriate ground clearance and stability features for uneven surfaces.</li> <li>Use machines equipped with advanced suspension systems to improve balance and operator comfort on irregular ground.</li> <li>Choose equipment with enhanced traction control to navigate safely over varied ground conditions.</li> <li>Ensure that machines have easily accessible controls for quick adaptation to changing terrains.</li> <li>Opt for machines with all-terrain capabilities to handle different types of surfaces effectively.</li> <li>Provide adequate training for operators on the selection and operation of machines suitable for uneven or challenging grounds.</li> <li>Check the manufacturer's guidelines and specifications to confirm the equipment is approved for use on the particular terrain.</li> <li>Utilize machines designed with articulated steering for better maneuverability in confined spaces or irregular terrains.</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
			- Install additional visibility aids such as mirrors, cameras, or proximity sensors to enhance the operator's view of the surroundings.	
			- Mark or clear obstacles and hazards in advance fundamental risks associated with poor visibility.	
			- Employ spotters or ground guides during measures in challenging areas to assist the operator in maintaining awareness of potential hazard.	
			- Equip operators with communication devices of mformed about environmental changes and potential dangers.	
			- Schedule regular maintenan, checks to ensure safet atures and equipment functions are fully operational before undertaking ks.	
			- Conduct are rough inspection of his hiner any signs of fluid leakage before operation.	
			- Ensurall hyperulic horses are propen and free from wear or damage.	
			- Che fluid le mincluding oil, coolant, and hydraulic fluids, to confirm they are within the manufacture is specifications.	
			- Verify at a control and safety devices, such as emergency stop buttons and shut-off switches, are vection, a control of the	
3. Pre-Operation	Fluid lookage Faulty centrals or acta		- Te ste ling, brakes, and lights to guarantee they are operating as expected prior to manoeuvring.	
Checks	Fluid leakage, Faulty controls or safe devices	3H	Implemed a regular maintenance schedule to promptly address and rectify any mechanical faults or fluid is.	1L
			- Train operators to visually and audibly check for any abnormalities in machine performance during pre- operation checks.	
			- Use appropriate personal protective equipment (PPE) such as safety gloves and goggles when inspecting machinery.	
			- Keep spill kits readily available on site to quickly contain and clean up any unintended fluid leaks.	
			- Label and clearly mark faulty machinery immediately and remove it from service until necessary repairs are completed.	
Loading Machinery				
	Collapse of supports or docks, Moving	3H		2M
aga	machinery parts	5		



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5. Transporting Material	Unbalanced loads, Collision with other vehicles or structures	ЗН		2M



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6. Setting the Machine Ground in (utilities)	Ground instability inderground services (utilities)	S 4A		<b>■</b>



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
7. Operation	Uncontrolled movement of machine, Contact with overhead power lines	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
8. Spotting for Dump Trucks	Inadequate communication, Pedestrian interaction	4A		3Н



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	•			
9. Unloading Material	Spillage, Unsecured load	3H		2M



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10. End of Shift / Breaks	Poor housekeeping, Unattended machinery	21		1L
11. Maintenance	Entanglement in moving parts, Electrical hazards	3H		2M



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12. Refuelling	Fuel spills leading to fire risk, Incorrect use of spill kit	4A		ЗН



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				•
13. Breakdowns	Incorrect lifting/ blocking practices of hazard identification s	3H		2M
				I

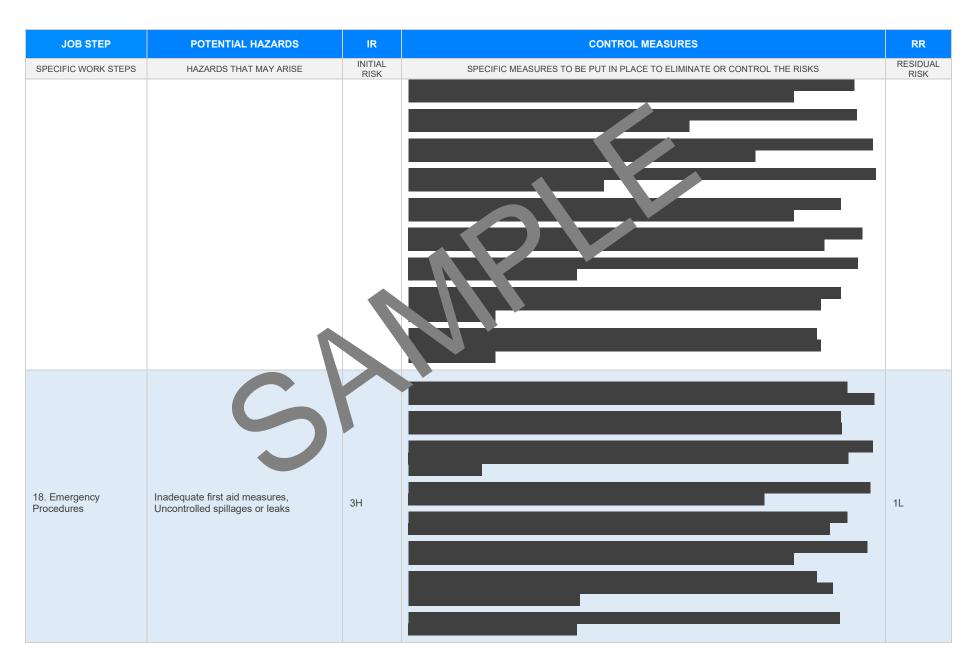


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14. Recovery of Stuck Machines	Machine rollovers, Snapping recovery straps	4A		3H
15. Demobilisation	Risk of falling while dismounting machine, Fatigue due to long working hours	ЗН		2M



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16. Post-Operation Checks	Machinery not isolated before beginning checks, Missing safe a guars for devices			<b>1</b>
17. Reporting Incidents	Delayed reporting of hazards, Lack of hazard communication	2M		1L







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19. End of Job Cleaning & Inspection	Inadequate PPE, Frasure to chemicals during cleaning projess	ЗН		2M
20. Equipment Return & Storage	Improper lifting techniques, Slips and trips due to cluttered storage area	3H		2M



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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: 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/legislative

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

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 at Safety Act 34

Occupational Health and Infety gulations 2017

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

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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							

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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	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 pupleted.		
Check control measures added to the SWMS are the most effective selective selective.		
Responsible person is assigned and listed on the part the important of 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 a noted 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 REVIE	WED
SIGNATURE	DATE COMPL	ETED