

External Plumbing Water, Se	wer & Gas   SAFE WORK M	IETHOD STATEMENT (SWMS	5)
TASK OR AC	TIVITY: External Plumbing Water	, Sewer & Gas	
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	THE PL OF THE PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a person conduct the proposed work starts.	cting a business or undertaking (N 3U) is	required to ture 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	compliance 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 B 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 cond	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.			



CLIENT OR PRINCIPAL CONTRACTOR DETAILS										
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	gnature:									
Date SWMS supplie	ed to Project Manager:									
		ANY HIGH	RISK CON PUCT	N' JRK BEING	CARRIED OUT					
☐ involves a risk of a p	erson falling more than 2 n	neters.	is carried out on or near pressurised gas mains or piping.							
is carried out on a te	lecommunication tower.		is carried out on	arried out on or near chemical, fuel or refrigerant lines.						
☐ involves demolition of	of an element of a structure	that is load-be		is carried out on	out on or near energised electrical installations or services.					
☐ involves demolition of	of an element related to the	e physical integril of a str	3	is carried out in	rried out in an area that may have a contaminated or flammable atmosphere.					
☐ involves, or is likely t	o involve, disturbing a es	stos.		☐ involves tilt-up o	involves tilt-up or precast concrete.					
☐ involves structural al	teration or repair that re	mporal, upp to p	prevent collapse.	is carried out on	is carried out on, in or adjacent to a road, railway, shipping lane or other traffic corridor.					
is carried out in or ne	ear 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 involvir	ng use of explosives.	is carried out in	is carried out in areas with artificial extremes of temperature.					
is carried out in or ne	ear water or other liquid tha	at involves a risk of drowning	ng.	involves diving v	vork.					
		ANY H	IGH-RISK MACHINER	RY OR EQUIPMEN	NT 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 -				





#### FOOT HAND **HEAD HEARING** SPIRATORY FACE HIGH-VIS **PROTECTIVE** FALL SUN HAIR/JEWELLERY CLOTHING **PROTECTION PROTECTION** PROTECTION **PROTECTION** PROTE DTECTION **PROTECTION** CLOTHING **PROTECTION PROTECTION SECURED**

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	Slip, trip and fall hazards, manual handling injuries	ЗН	<ul> <li>Implement site-specific risk assessments and safety plans prior to starting work, ensuring all workers understand potential hazards are necessary control measures.</li> <li>Properly housekeep and maintain the work are providing regular cleaning to remove spillages, debris, or loose materials part may cause slip, trip, and fall hazards.</li> <li>Clear pathways, stairs, and ramps of obstruct approviding workers with adequate space to operate equipment and move around the site safely.</li> <li>Ensure all personnel wear appriate personal protein equipment (PPE) such as slip-resistant footo to sloves or manual handling asks, and any other gear recommended from a specific area shown as allege or noists, as much as possible to minimina manuschandling or forts and have the risk of muscle strains and sprains.</li> <li>Eductor workers approper lifting techniques and body mechanics when handling heavy it is by item enforce a team lifting policy when necessary.</li> <li>Mark but all designous specific areas/safety zones for machinery and vehicle governates, entering pudestrians are separated from the potential risk of being hit is pach, ery or chicles.</li> <li>Instance porary barriers or warning signs in the event of uneven surfaces, anges is elevation, or temporary excavation works to alert employees to potential so and trip hazards.</li> <li>Conduct regularly scheduled safety meetings and toolbox talks, emphasising the importance of maintaining a safe working environment and discussing best practices for hazard awareness and mitigating risks.</li> <li>Encourage workers to report any unsafe conditions or near-miss incidents immediately to site supervisors or management, so that they can be addressed promptly to prevent accidents or injuries.</li> </ul>	1L	
2. Site Assessment	Unexpected utilities strike, exposure to contaminants	ЗН	<ul> <li>Obtain up-to-date utility maps and records: Before starting any work, gather current information on the locations of all underground utilities on the site to minimise the chances of unexpected strikes. This information can be sourced from local authorities or utility companies.</li> <li>Conduct a thorough site inspection: Physically inspect the work zone to ensure there are no visible signs of other hazards or potential underground utilities that may not be accounted for on plans.</li> <li>Utilise ground-penetrating radar (GPR): Employ GPR technology to assist in locating non-metallic utilities and confirming the position of any previously identified utilities.</li> <li>Implement a safe excavation method: Develop and implement a safe excavation process, which includes hand digging or vacuum excavation as appropriate, to reduce the risk of accidental strikes when exposing utilities.</li> </ul>	2M	



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			<ul> <li>Use barriers and warning signs: Set up clear demarcation around the worksite using barrier tape, cones, and warning signs to inform personnel and visitors of potential hazards.</li> </ul>		
			- Train workers on hazard awareness: Ensure and all employees involved in the project understand the risks associated with the expected utilities strikes and exposure to contaminants. Provide adequation against a sesources for them to respond to any issues promptly and safely.		
			- Establish contingency plans Prepare emergen response produces that outline the immediate steps to be taken in the event of an expect utility strike or exposure to contaminants, including first aid strategic evacuation processes.		
			- Use personal projective tipms (PPE): Require all workers to wear suitable PPE such as lives, safety bggles igh-visit y clothing, and hard hats to mitigate risks associate with the joint tiffied has described by the control of the		
			- Males regular or unication: Encourage open channels of communication among the member of during site inspections, status updates, and throughout the project of the tion to class potential risks and preventative measures.		
			- Monito site adition. Continuously assess site conditions throughout the course the project to centify any new or changing hazards.		
			- Ste par handle hazardous materials responsibly: Ensure all hazardous ubstant including potential contaminants, are stored, transported, and disposed according to regulations, guidelines, and best practices.		
	6		<ul> <li>Conduct toolbox talks and safety briefings: Regularly review the identified hazards and control measures with all team members through toolbox talks or safety briefings, ensuring all workers understand their roles and responsibilities in maintaining a safe worksite.</li> </ul>		
			- Perform a thorough risk assessment before initiating any excavation work to identify potential hazards and implement suitable control measures.		
			- Obtain underground utility maps and other relevant information from relevant authorities and utility providers to mark out the location of underground services in the area to be excavated.		
3. Excavation	Collapse of trench walls, damage to underground utilities	4A	- Use appropriate equipment such as cable avoidance tools (CAT) and ground-penetrating radar (GPR) to verify the exact location of underground utilities, ensuring no accidental damage is caused during excavation.	2M	
			- Employ trained and competent personnel to conduct excavation work, ensuring they are aware of all potential hazards and safe work practices.		
			- Establish clearly marked exclusion zones around the excavation area, restricting access to authorised staff members only - this may include barrier tapes, signage, or temporary fencing.		



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			- Ensure the use of proper shoring, trench shielding or benching systems to prevent collapse of trench walls, in accordance with local regulations and manufacturer's guidelines.		
			- Conduct regular inspections of the excavation set by a competent person, noting changes in soil conditions or weather that the stability of trench walls and implementing corrective actions as needs.		
			- Maintain a safe working distance between the equipment, materials, spoil piles or other hazard minimise which isk of accidental falls or equipment sliding into the trench.		
			- Develop emergence onse ons for potential explation incidents, including rescue procedure and explane needed for rapid extraction of trapped workers.		
			- Communicativith all stall holders, sludifications, subcontractors, and workers on-site about a excavativactivities, involved, and the control measures put in plantage of throughout the project.		
			- Ensura vorkers, volved in excavation operations receive ongoing training and instruct in hearding work step and hazards, so they are equipped with the knowled ean skills to erform their tasks safely, and effectively mitigate the lantified lisks.		
4. Pipe Installation	Falling objects, manual handling injuries	3H		2M	



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5. Leak Detection	Asphyxiation from gas leak, burns from flammable gases	зн		1L	



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6. Backfilling	Buried utilities damage, soil compaction errors	2M		1L	



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7. Pressure Testing	Pipe burst, equipment failure	3H		1L	



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8. Connection to Mains	Cross-contamination, electrocution	4A		2M	



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9. Valve Installation	Struck by moving equipment, manua handling injuries	зн		1L	



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10. Final Inspection	Unsafe equipment use, incomplete work	2M		1L	



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11. Site Clean-up	Slip, trip and fall hazards, disposal of hazardous waste	2M		1L	



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12. Documentation & Sign-off	Incorrect record keeping, missed hazard reporting	2M		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/legislations/leg

Codes of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis > odes-or 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-

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: <a href="https://www.safework.sa.gov.au/resources/legislation">https://www.safework.sa.gov.au/resources/legislation</a>

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.safe.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	Sup	pervisor
				l te:			
			AV	Date:			
		Date:					
Date:							
Date:							
	SAF WO A STHEED STATEMENT MONITORING AND REVIEW						
The SWMS must be reviewed regularly to the ke sure it remains efficitive and must be reviewed (and revised if necessary) if relevant control measure of the substance of the symbol of t			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	