Metal Chemical Etching M	achine SAFE WORK MET	HOD STATEMENT (SWMS)	
TASK OR /	ACTIVITY: Metal Chemical Etchir	ng Machine	
Business Name:		ABN:	SWMS#
Business Address:			
Contact Person:	Phone:	E jii:	
THIS SAFE WORK METHOD	STATEMENT IS APPRO		
Under the Work Health and Safety Regulation (WHS Regulation), a person conduct the proposed work starts.	sting a business or under the (PC - I) is	required to en the that a safe work method s	tatement (SWMS) is prepared before
Full Name:			
Signature:	NX	Title:	Date:
Details of the person(s) responsible for ensuring implementation, monitoring a	voliance i the VMS a vell as review	s and modifications of the SWMS.	
Full Name:		Title:	Phone:
ALL PERSONNEL PARTICIPATING IN ANY ACTIVITY ON THIS MAN HAVE THE FOLLOWING COMMUNICATED	NALE OF ALL RELEVANT PERSONNE EVELOPMENT AND APPROVAL OF	EL WHO HAVE BEEN CONSULTED AND CO THIS SWMS	DMMUNICATED TO IN THE
Safety meetings or toolbox talks will be sched ad in according with gislative requirements to first identify any site hazards, so the company hicas those hazards and then to further take steps to either eliminate or continue ach hazard.			
If an incident or a near miss occurs, all work must stop an attactive 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:	
Project Address:	
Project Manager:	
Contact Phone:	
Date SWMS supplied to Project Manager:	
ANY HIGH-RISK CONSTRUC	
☐ involves a risk of a person falling more than 2 meters	I 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	□ is carried out on or near energised electrical installations or services
□ involves demolition of an element related to the physical integ. Y of a sucture	\square 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 terminary supart 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	\Box 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.
☐ is carried out in or near water or other liquid that involves a risk of drowning.	☐ involves diving work.
ANY HIGH-RISK MACHINER	RY OR EQUIPMENT NEARBY



	RISK MATRIX										
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE	MAJOR	CATASTROPHIC	SCORE			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 befor 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 k⊾ records		Engineering Isolate the hazard.		
is the second me	RARE LOW LOW MODERATE HIGH HIGH LOW K a records Isolate the hazard. otes on Hierarchy of Controls: Elimination methods are the most effective and preferre or an concurrence on a flag a hazard. Substitution the second most effective method of controlling a hazard. Engineering by isolation is the virtual state in the virtual state of										

						TIVE EQUIPM					
		Select the ap	propriate PPL	abo, ruitab	i or the equi	oment used or	the job task	being perform	ned (if applica	able).	
FOOT PROTECTION	HAND PROTECTION	HEAD PROTECTION		P ECTION	R⊾ ⇒PIRATORY PROTECTION	FACE PROTECTION	HIGH-VIS CLOTHING	PROTECTIVE CLOTHING	FALL PROTECTION	SUN PROTECTION	HAIR/JEWELLERY SECURED
Other PPE Required:											
	Permit or Licenses Requirements						Mandatory Qualifications and Training				

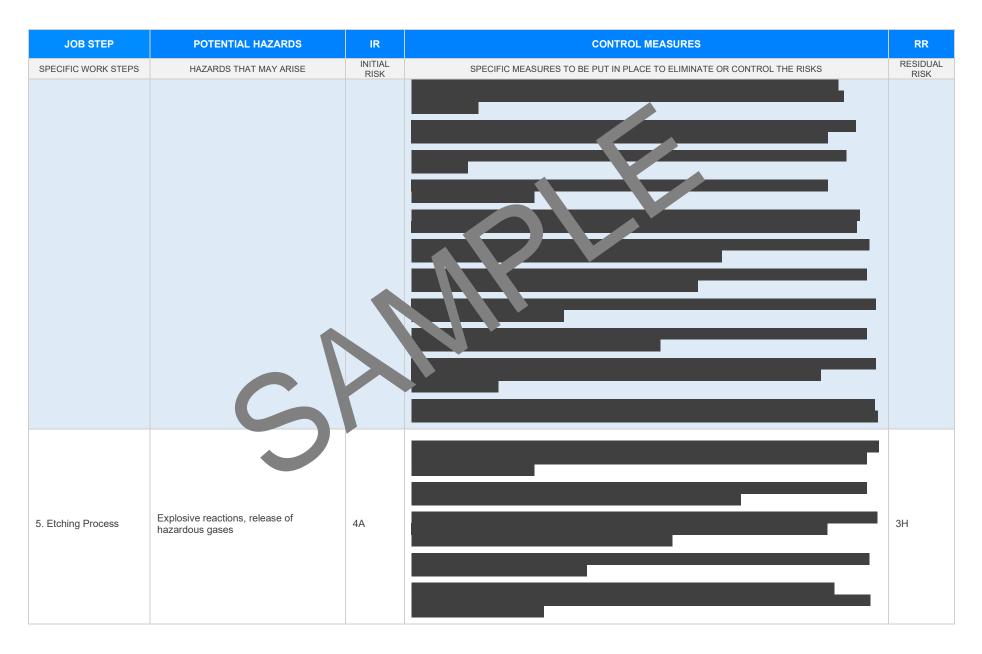


JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
1. Preparation	Inhalation of toxic fumes, skin burns from chemicals	44	 Ensure all workers handling the machine back undergone specific training on handling, usage, and safety measures associated with the Metan nemical Eterning Machine. Make use of suitable personal protective equation (PPE), such as gloves, safety glasses, and chemical-resistant clothing. Proper ventilation should be unintained in the work page or reduce the risk of inhaling toxic furmes. Regularly inspect the personal protective and immeduately address any damages or wear. Keep a safe usafa sheet the each memical area in the etching process at an easily accessible place. Provide regular breaks of workers too one they're not exposed to harmful furmes or chemicals for prolocity period. Keep in the aid knowledge with burn treatments and eye wash stations close at hand in case of inadverent mosure. Result at a themical containers are tightly sealed when not in use to avoid leaks. Record hygiene practices; workers should not eat or drink near the workplace and should wash their name before and after using the machine. Bet up emergency procedures and conduct regular drills to ensure that all employees know how to record to potential accidents. Regularly clean and maintain the work area to prevent build-up of hazardous residue. Dispose of chemical waste properly and safely according to local regulations and guidelines. Foster a culture of communication encouraging staff to report any unsafe conditions, faulty equipment, or health issues resulting from the work environment. 	ЗН
2. Machine Set-up	Crushing injuries, entanglement in moving parts	4A	 Ensure that all workers have completed comprehensive training regarding the machine's operations, safety features and potential hazards, including those related to crushing injuries and entanglement in moving parts. Verify that personal protective equipment (PPE), such as gloves, safety glasses and steel-capped boots, are worn at all times during the machine set-up. Use lockout/tagout procedures to ensure the machine is de-energised and cannot be switched on accidentally during servicing or maintenance activities. Always carry out a full pre-use inspection of the machine, checking for any faults, defects or signs of wear and tear which could potentially cause harm. Implement safety barrier systems or guards around dangerous moving parts to prevent clothing, hair, or body parts from becoming trapped or crushed. 	2M



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																							
			- Strictly enforce a policy of not wearing loose clothing, jewellery, or anything else that could potentially become entangled in the machine.																								
			- Regularly maintain and service the etching machine, according to the manufacturer's manual, to keep it in safe working condition.																								
			- Limit the number of workers involved in the set-up process, in order to reduce risk of accidents or miscommunication.																								
			- Cultivate a work culture that allows workers to up work if the operceive any hazards or face an issue with the machine set-up.																								
			- Use mechanical aids to help it setting up heavy, the machine, reducing the risk of crushing injuries.																								
			- Encourage sular breaks to staff the mbership less likely to make errors due to fatigue, which could lead to accide																								
			- Kee work work is a cal-lit and clean to minimise the risk of slips, trips, or other mishaps associated with mach a slup. Man sure emergency stop buttons are easily visible and accessible in case of any incider																								
			Provide uppropute manual handling training to all staff handling the material for the Metal Chemical Etc. of Michine.																								
				Use mechanical aids such as trolleys, forklifts, or hoists where possible to minimise physical strain ing material loading.																							
																											- Keep work areas tidy and free from clutter. Do regular checks to remove any potential slipping or tripping nazards.
			- Use non-slip flooring material in areas around the machine to reduce the risk of slips and falls.																								
. Material Loading	Manual handling injuries, slips and tr	ЗН	- Ensure sufficient lighting around the workstations to make hazard identification easier.	2M																							
. Material Loading	Wandai Handing Injunes, silps and this	511	- Routine maintenance and inspection of the equipment should be carried out to ensure it is in good condition to handle materials.	2101																							
			- Proper footwear with anti-slip properties should be worn at all times while operating the machine.																								
			- Use correct body mechanics such as bending at the knees not the waist and avoid twisting when moving or lifting objects.																								
			 Load materials systematically in designated areas only to avoid overloading on one side, which might cause machine imbalance and potential accidents. 																								
		- Implement clear signage showing maximum load capacity, potential hazards, and safety instructions related to material loading on the machine.																									
. Chemical Mixing	Chemical spills, chemical burns	ЗH		2M																							







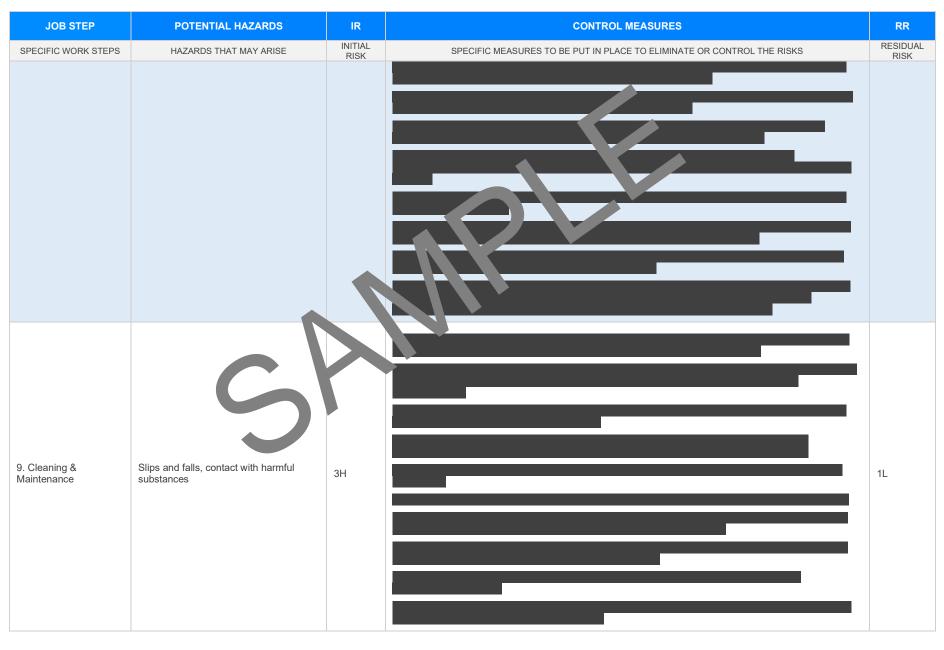


Version 2.5



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
7. Material Unloading	Burns from hot surfaces, manual handling injuries	3H		1L 1
3. Machine Shut-down	Entanglement in stopping parts, electrical shocks	2М		1 L
rsion 2.5	Authorised by		Review # Date of Issue: Review Date:	

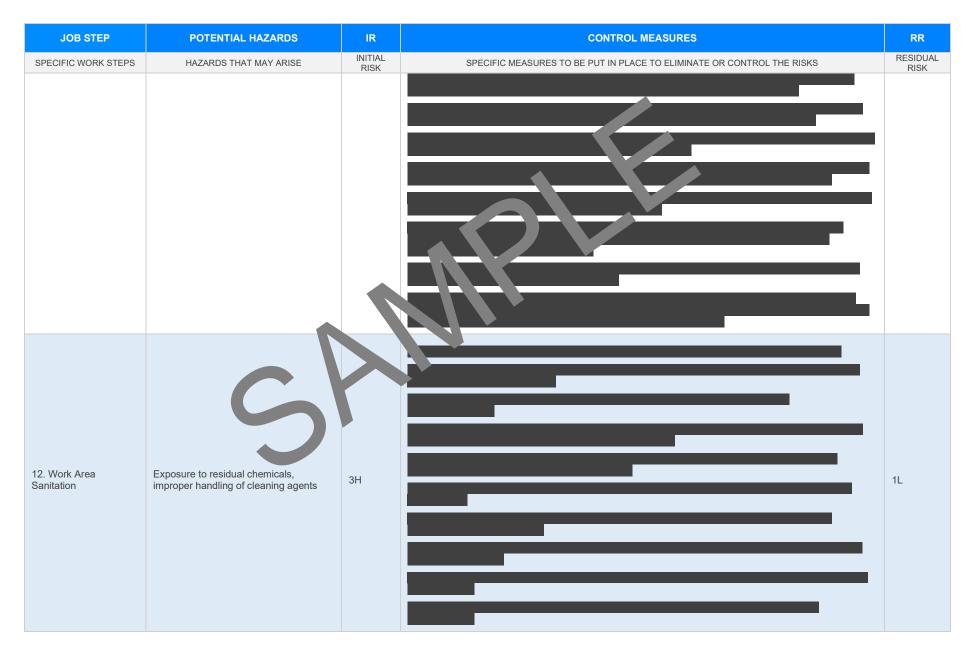






JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
10. Waste Disposal	Dangerous goods transport, improper handling of harmful wastes			2M
11. Emergency Procedures	Mishandling of fire extinguishing equipment, wrongful donning of PPE	2М		1L





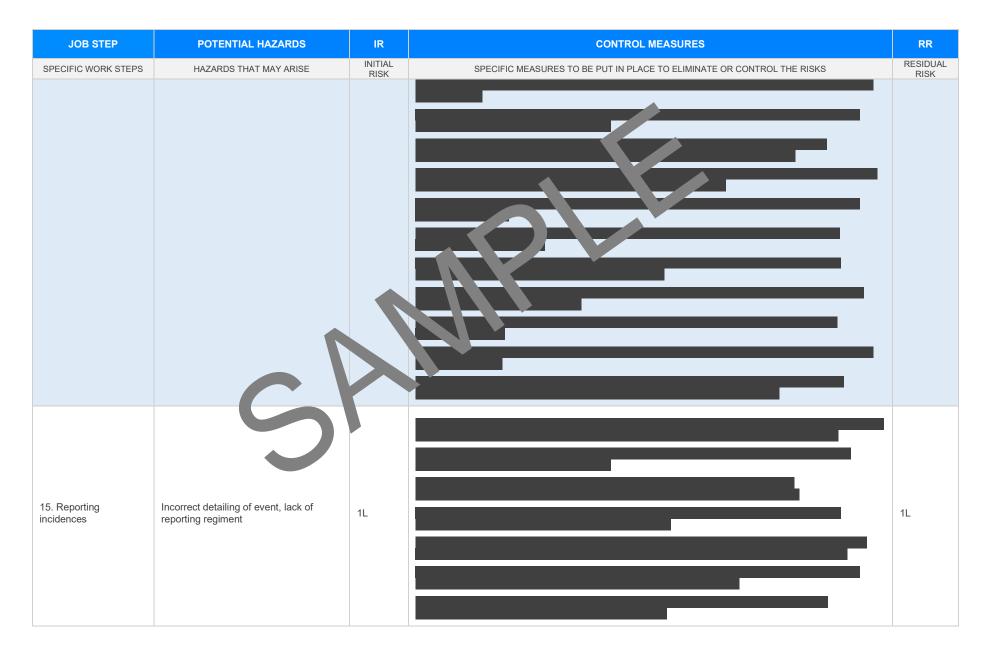


JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL
13. Equipment Storage	Improper stacking, manual handling injuries			1L
14. Documenting process	Papercuts, incorrect logging of data	1L		1L

Version 2.5

Date of Issue:





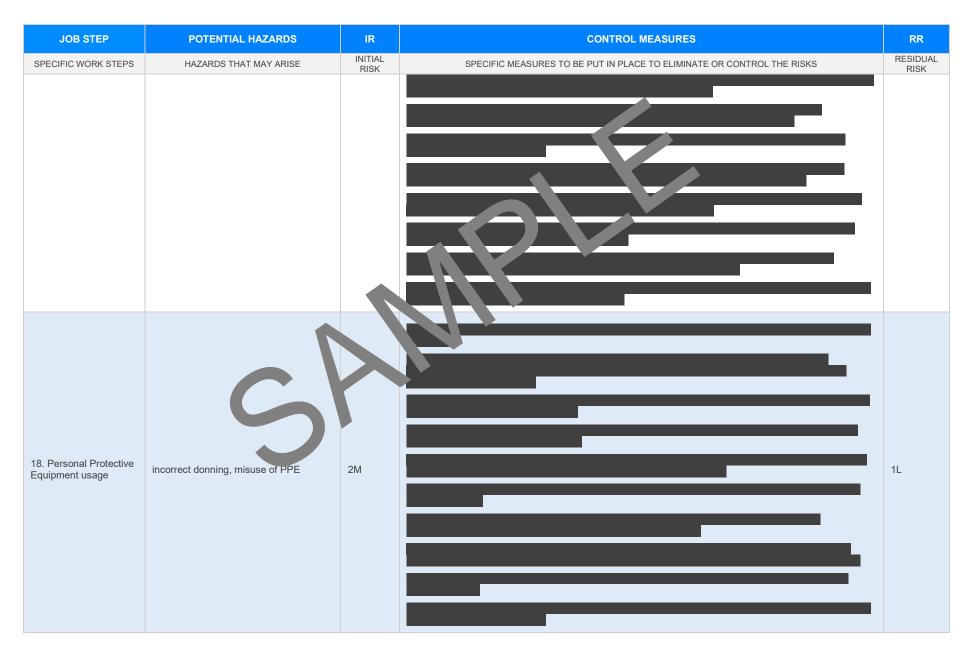


JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
				•
16. Debriefing & Feedback	Miscommunication, inappropriate behaviour	2		1L
17. Machine Maintenance procedures	improper use of tools, contact with residual substances	2M		1L

Version 2.5

Date of Issue:





Version 2.5



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
19. Understanding machine operational guide	Misinterpretation of instruction, lack of understanding	2М		1L
20. Regular safety and health check	Missed checks, incorrect logging of status	2M		1L



SPECIFIC WORK STEPS HAZARDS THAT MAY ARISE INITIAL RISK SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS RESIDUAL RISK SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS Imite and the risk of the	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



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.

RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGISLATIVE REFERENCES ANY STATE AT ARE NOT APPLICABLE					
Queensland & Australian Capital Territory Work Health and Safety Act 2011 Work Health and Safety Regulations 2011 Legislation QLD: <u>https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws</u> Codes of Practice QLD: <u>https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice</u> Legislation ACT: <u>https://www.worksafe.act.gov.au/laws-and-compliance/acts-and-regulations</u> Codes of Practice ACT: <u>https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice</u>	Victoria Occupational Health au Safety Act and 4 Occupational Health and a fety or gulations 2017 Legistron VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and- gulations</u> or des of mactice VIC <u>extps://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice</u>				
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/legislati-codes of Practice NSW: https://www.safework.nsw.gov.au/legal-obligations/legislati-codes of Practice NSW: https://www.safework.nsw.gov.au/legal-obligations/legislati-codes of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis <a acts-and-regulations"="" href="https://www.safework.nsw.gov.gov.gov.gov.gov.gov.gov.gov.gov.gov</td><td>Western Australia
Work Health and Safety Act 2020
Work Health and Safety Regulations 2022
Legislation Western Australia: <u>https://www.commerce.wa.gov.au/worksafe/legislation</u>
Codes of Practice WA: <u>https://www.commerce.wa.gov.au/worksafe/codes-practice</u></td></tr><tr><td>Northern Territory
Work Health and Safety (National Uniform Legislation) Act 2011
Work Health and Safety (National Uniform Legislation) Regulation 2011
Legislation NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/weiplace-serv-laws</u>
Codes of Practice NT: <u>https://worksafe.nt.gov.au/formed-resourcestorestorestorestorestorestorestorestor</u></td><td>Safe Work Australia Links
Law and Regulation (All States): <u>https://www.safeworkaustralia.gov.au/law-and-regulation</u>
Model Codes of Practice: <u>https://www.safeworkaustralia.gov.au/resources-publications/model-
codes-of-practice</u>
Model Codes of Practice</td></tr><tr><td>South Australia
Work Health and Safety Act 2012 (SA)
Work Health and Safety Regulations 2012 (SA)
Legislation for SA: <u>https://www.safework.sa.gov.au/resources/legislation</u>
Codes of Practice for SA: <u>https://www.safework.sa.gov.au/work_aces/codes-of-practice#COPs</u></td><td> 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 </td></tr><tr><td>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	 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 end eafety consultation construction and coordination 				
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.	 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 gualifications 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 N THE ST ATEM ANT MONITORING AND REVIEW

d must reviewed (and

hav be sted by the operation

should be carried out in

The SWMS must be reviewed regularly to make sure it remains fective revised if necessary) if relevant control measures are revised. The viewn consultation with workers (including contractors htractors Vb 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 must ensure that persons involved with the work are advised that a revision has been made and how they can acces he revised SWMS, including all persons who will need to change a work procedure or system as a region of the review are advised of the changes in a way that will enable them to implement their duties antly 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.			
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.			
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.	\boxtimes		
Foreseeable hazards are identified and documented for each step.	\boxtimes		
Any hazards listed in any site risk assessments have been added to the SWMs	\boxtimes		
SWMS initial risk (IR) column as well as residual risk (RR) column mpleted.	\boxtimes		
Check control measures added to the SWMS are the most effective selection	\boxtimes		
Responsible person is assigned and listed on the property of the importation control measures.	\boxtimes		
Permit or licenses requirements specified, su as Hot Work, Electric Work, Work at Heights etc.	\boxtimes		
SWMS identifies plant and equipment to be use	\boxtimes		
Details of inspection checks required for any equipment listed protection on the SWMS.	\boxtimes		
Describes any mandatory qualifications, experience, and g or skills required to perform the work.	\boxtimes		
Applicable personal protective equipment is selected on the SWMS.	\boxtimes		
Reflects and documents any legislative references and/or Australian Standards.	\boxtimes		
Identifies any hazardous substances used with specific control measures in line with any SDS.	\boxtimes		
REVIEWED BY	DATE REVIEWED		
SIGNATURE	DATE COMPLETED		